

Oliver Haswell

FORESTS DEPARTMENT

GENERAL WORKING PLAN

No. 87 of 1982

PART II



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PART 2Introduction

The detailed prescriptions for the operations in each Division which appear in this document are designed to implement the policy contained in Part 1 of General Working Plan No. 87. These prescriptions are intended to remain in operation until 31st December, 1986, unless an earlier revision of the plan becomes necessary in the light of new factors which might arise in the meantime.

This Part 2 of Working Plan 87 is largely comprised of specific prescriptions for licenses and permits held by individuals and companies. It includes the means by which it is intended to control the operations of these individuals and companies in State forest. Because publication of its contents could adversely effect the trading arrangements of forest based industries its contents will remain confidential and will only be available to selected officers within the Forests Department.

Regulation Of The Cut From The Forest

The wood production policies and strategies for hardwoods and softwoods stated in Part 1 of the Working Plan provide the background conditions for regulating all operations contained in Part 2 of the Working Plan.

The objective during this plan period to reduce the permissible intake for hardwood logs removed from Crown land under head office licenses and permits to 762,000 m³ from the 1980/81 amount of 823,000 m³ or some 7.4%. The karri intake is to be 184,000 m³ at the end of 1986 compared to 223,000 m³ in 1980/81 and further reduced by 27,000 m³ in 1988.

To these intakes must be added the amount of sawlogs derived from salvage operations to arrive at the total cut from Crown land.

In addition to the above, provision is made for an intake of 30,000-50,000 m³ of small mill logs to come from the small log resource not committed to supplying conventional mill log sizes.

The pine sawlog cut will increase to about 108,000 m³/yr. during the period of this plan giving a planned sawlog cut of about 850,000 m³ from Crown land for jarrah, karri and pine.

During the early period of this plan minor alterations may have to be made to the level of intake in some prescriptions as a result of negotiations still in progress. The prescriptions stated in Part 2 are those applying as at November, 1981.

A number of small mills will have a total volume of timber allotted to each unit from the areas specified in the plan and the extent of their life will be governed accordingly. Where annual intake can be reduced, it may be possible to extend the respective mills life.

The hardwood volumes allocated to the respective sawmilling licenses and permits include all sawlog resource above 50 centimetres diameter breast height from the areas specified in the plan. Any silvicultural prescription that significantly departs from this provision can alter the programmed life of licenses and permits and as such should be referred to head office for consideration.

All trade operations will be controlled by the issue of annual cutting coupes under logging plans to be drawn up in accordance with the requirements of the forest hygiene programme and revised annually.

Dieback Operations

All areas under quarantine will be mapped for dieback extent before they are released from quarantine. Mapping will generally be based on the interpretation of large scale colour transparencies, although some mapping will be carried out based on ground surveys. For all mapping purposes it is important that no control burning is carried out for 3 years prior to mapping as dieback symptoms are obscured by burning. Once an area has been mapped and released from quarantine it will be operated under dieback hygiene to reduce the artificial spread of P.C. to an absolute minimum.

Management Priority Areas

The M.P.A's listed in this Working Plan are those areas in which timber production is not a primary objective.

Commercial cutting on core areas of M.P.A's is not to be carried out as a standard practice. However, in the event of severe deterioration of the forest due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

Cutting in Scientific and Recreation M.P.A's will be in accordance with management prescriptions for those areas.

* * * * *

TERMS AND ABBREVIATIONS

C. of F.	Freehold land in the name of the Conservator of Forests
C.l.	Crown land
C.R.	Central Region (Harvey, Collie, Busselton, Kirup and Nannup Divisions)
E.I.S.	Environmental Impact Statement
F.A.	Forests Act
F.D.	Forests Department
F.P.L.	Forest Produce Licence
F.P.(S)L.	Forest Produce Sawmilling Licence
G.P.	General purpose
G.W.P.	General Working Plan
L.A.	Lands Act
L.U.M.P.	Land Use Management Plan
M.F.P.	Minor forest produce
M.P.A.	Management Priority Area
N.R.	Northern Region (Wanneroo, Mundaring, Jarrahdale, Dwellingup and Narrogin Divisions)
N.U.P.	Not under permit
P.C.	Phytophthora cinnamomi
P.I.	Permissible intake
P.P.	Private property
S.B.S. - H.S.B.S.	State Building Supplies - Hawker Siddeley Building Supplies
S.E.C.	State Energy Commission
S.F.	State forest
S.M.L.	Sawmill licence
S.M.P.	Sawmill permit
S.R.	Southern Region (Manjimup, Pemberton and Walpole Divisions)

T.D.L.	Top Diameter Limit
V.C.L.	Vacant Crown Land
W.A.C.A.P.	W.A. Chip and Pulp Co. Pty. Ltd.

Land under F.D. control means S.F., T.R./25, and C. of F.

SPECIFIC PRESCRIPTIONS BY DIVISIONS

A. NORTHERN REGION PREAMBLE

1. Metropolitan
2. Wanneroo
3. Mundaring
4. Jarrahdale
5. Dwellingup
6. Narrogin

B. CENTRAL REGION PREAMBLE

7. Harvey
8. Collie
9. Kirup
10. Busselton
11. Nannup

C. SOUTHERN REGION PREAMBLE

12. Manjimup
13. Pemberton
14. Walpole

D. MISCELLANEOUS REGIONS

15. Kalgoorlie
16. Pilbara
17. Kimberley

GENERAL PRESCRIPTIONS FOR THE WHOLE NORTHERN REGION

1. TENURE

ha.

Hardwood forest under F.D. control	569,352
Pine plantation under F.D. control (nett)	23,153
Other (mainly private property)	1,489,741
Total area of the Northern Region	<u>2,082,246</u>

2. ADMINISTRATIVE DIVISIONS

The Northern Region comprises the following five Divisions:-

Wanneroo
Mundaring
Jarrahdale
Dwellingup
Narrogin

See below for detailed prescriptions by Divisions.

3. LAND USE

3.1 A Land Use Management Plan (LUMP) has been drawn up allocating each part of the Northern Region (with the exception of Wanneroo Division) to one or more of the management priorities listed below:-

- a) Catchment protection
- b) Water production
- c) Recreation
- d) Timber production
- e) Scientific
- f) Conservation of flora and fauna

The following activities and land uses are also covered:-

- g) Mining (followed by recreation, water production, timber production, catchment protection, etc.)
- h) Pine plantations
- i) Water storage
- j) Service corridors (S.E.C., roads, etc.)

3.2 For each primary land use, secondary uses (largely compatible with primary land use) and tertiary uses (permitted only as long as there is no permanent interference or significant harm to the primary use) have been specified.

4. MANAGEMENT PLANS FOR M.P.A.'S

4.1 Conservation of Flora, Fauna and Landscape M.P.A.'s

Detailed management plans have been drawn up for the following Management Priority Areas. For the location of each M.P.A., see 1:500 000 divisional index plans.

<u>Division</u>	<u>M.P.A. No.</u>	<u>Name</u>
Mundaring	2.1	Julimar
Mundaring	2.3	Gunapin
Mundaring	2.4	Sullivan
Mundaring	2.5	Russell
Mundaring	2.6	Dale
Dwellingup	3.4	Gyngoorda
Dwellingup	3.5	Duncan
Dwellingup	3.6	Plavins
Dwellingup	3.7	Teesdale
Dwellingup	3.10	Wandering
Jarrahdale	8.1	Eagle Hill
Jarrahdale	8.2	Cooke
Jarrahdale	8.4	Gooralong
Jarrahdale	8.5	Boyagarring
Jarrahdale	8.6	Windsor
Jarrahdale	8.7	Serpentine
Jarrahdale	8.8	Lupton
Jarrahdale	8.11	Karnet
Wanneroo	15.1	Melaleuca
Wanneroo	15.2	Ridges
Wanneroo	15.3	Wabbling
Wanneroo	15.4	Caraban

4.2 Scientific M.P.A.'s

Management plans for the following M.P.A.'s have yet to be completed.

<u>Division</u>	<u>M.P.A. No.</u>	<u>Name</u>
Mundaring	2.7	Flynn
Dwellingup	3.1	Yarragil
Dwellingup	3.2	Amphion
Dwellingup	3.9	Banksiadale
Dwellingup	3.11	Marrinup
Dwellingup	3.12	Saddleback
Jarrahdale	8.3	Lang
Jarrahdale	8.9	Mundlimup
Jarrahdale	8.10	Chandler
Narrogin	7.1	Dryandra

4.3 Recreation M.P.A.

A detailed management plan for the recreation M.P.A. 3.3 in Dwellingup Division remained to be completed.

4.4 Utilisation of Forest Products

Commercial cutting, wildflower picking, mining or apiary sites will not be permitted in core areas of the above M.P.A.'s as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration. Buffer areas during the period of this plan may be cut according to special prescriptions which will be compatible with the objectives of the core area.

5. PRODUCTS FROM THE FOREST

5.1 Water

See GWP 87 Part 1 for policy and strategy on water protection and also Section 7.1 below.

5.2 Wood

Wood products currently harvested include:-

- Hardwood Sawlogs
- Hardwood Firewood
- Hardwood Piles and Bridge Timber
- Hardwood Poles
- Hardwood Fence Posts, Strainers, Rails
- Veneer Logs
- Other Wood Products (bean sticks, stakes, etc.)
- Softwood Mill Logs (including case logs) and Peelers
- Softwood Particleboard logs
- Softwood Pine Rounds

Included under this heading are by-products such as bark, sawdust, branches, etc.

5.3 Wildflowers

Numerous species are involved and included under this heading are nuts, fruits, seeds, stems, roots and leaves.

5.4 Honey

Numerous apiarists operate within the region.

5.5 Mining

Included under this heading is mining for bauxite, coal, tin, ilmenite, mineral sands, etc. as well as sand, gravel, limestone and stone.

6. QUARANTINE

A large proportion of the region has been quarantined since 16.1.1976 to give time:-

- a) for dieback symptoms to express themselves;
- b) to develop accurate dieback mapping techniques;
- c) to develop and test hygienic methods of operation.

Sufficient time has elapsed for dieback symptoms to express themselves and accurate dieback mapping techniques are now available. Some quarantined areas in this region have been mapped for dieback and in one of these areas, a logging trial has been initiated to test the accuracy of the dieback maps and to develop and test hygienic methods of operation with a view to applying them operationally.

7. REGULATION OF THE HARVEST

7.1 Water

The Forests Department responsibility is to manage the catchments which occur on State forest in accordance with the reasonable requirements of the water supply authorities. For further details see Part 1 of this G.W.P. and the LUMP.

7.2 Wood

The wood production policies and strategies for hardwoods and softwoods stated in Part 1 of this G.W.P. provide the background conditions for regulating all operations discussed below. Quantities to be removed and procedures required are specified in various licences, permits or agreements under the Forests Act or Regulations or other Acts or Regulations.

7.2.1 Hardwood Sawlogs

The overall thrust is towards a reduction in the hardwood cut, integrated with a corresponding increase of softwood cut as timber becomes available.

Some reallocation of resources has been necessary to account for temporary unavailability of quarantine areas.

No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

See detailed prescriptions for each Division.

7.2.2 Hardwood Chiplogs

A resource suitable for chipwood is available and will be used when suitable market conditions apply.

7.2.3 Hardwood Firewood

7.2.3.1 Domestic and Brickyard Licences

Adequate supplies will be provided within reasonable distances of these markets subject to the guidelines set out in the "Framework

Plan for the Management of the Firewood Resource in the Northern Region". See detailed prescriptions for each Division.

7.2.3.2 Agnew-Clough, Wundowie

A firewood resource is reserved of up to 136,000 tonnes/year.

A small part will be supplied from Harvey Division in the Central Region. A licence will be issued during the period of this plan.

7.2.3.3 Other Operators

During the period of this plan it is not intended to commit further firewood resource other than the markets outlined above.

7.2.3.4 Chipwood

Part of the green firewood resource is suitable for use as chipwood and will be used as chipwood if there is a suitable market.

7.2.3.5 No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

7.2.4 Hardwood Piles and Bridge Timber

7.2.4.1 The requirements of government departments and local government will continue to be met whilst supplies are available.

7.2.4.2 No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

7.2.4.3 Licences will only be supplied to contractors nominated by the authority concerned and approved by the Forests Department.

7.2.5 Hardwood Poles

7.2.5.1 Poles of 11 metres and above will be supplied only to the S.E.C. and via approved contractors. Smaller poles will be made available under licence.

Except that any poles, on areas programmed for clearing, that have been refused by the S.E.C. contractor or reject poles from any source may be offered for sale to other markets.

- 7.2.5.2 There will be no winter snagging and carting of poles (apart from approved stockpiles) except from dieback areas or areas being cut over for sawlogs in winter.
- 7.2.5.3 The S.E.C. demand for poles will be met within the above constraints subject to supplies of the relevant size classes being available.
- 7.2.5.4 Utilisation of other species by the S.E.C. is to be encouraged.

7.2.6 Hardwood Fenceposts, Strainers, Rails, etc.

Material suitable for fencing requirements will be made available from logs unsuitable for sawmilling providing it is not a silvicultural disadvantage to remove the trees required and that the risk of dieback spread is no greater than in a sawlog operation.

There will be no winter operations except from dieback areas or areas being cutover for sawlogs or being cleared for pine plantation, mining, etc.

Requests for supplies will be directed firstly to areas to be cleared, secondly to dieback areas, thirdly to dieback free areas recently cutover and to timber for settlers reserves as last priority.

7.2.7 Hardwood Veneer and Peeler Logs

Provision will be made for the supply of hardwood veneer and peeler logs.

7.2.8 Other Hardwood Products (Bean Sticks, Stakes, etc.)

Material will be made available from trees unsuitable for sawmilling, providing it is not a silvicultural disadvantage to remove such trees, that the risk of dieback spread is no greater than in a sawlog operation and that the removal of such trees is compatible with the designated land use.

7.2.9 Pine Log Sales

The Forests Department will generally contract for the sale of pine logs it obtains from the forest, to the purchasers of logs. The prime reason for this is to enable the Department to maintain proper control in the forest and to ensure that the production of log product classes is maximised. Such operations will normally be carried out by contractors to the Department.

Softwood log supplies will be maintained in accordance with the log resource available having due regard for the silvicultural requirements of the forest. The log quotas shown for each company are based on current market predictions.

7.2.10 Softwood Mill Logs & Peelers

There will be a gradual increase in the availability of pine logs over 15 cm small end diameter under bark. For detailed prescriptions refer to Divisional sections of this plan.

7.2.11 Particleboard Logs

See Divisional Sections for details.

7.2.12 Softwood Demands

The following pine mills and pine conversion plants will be supplied from pine resource in the Northern Region, under contract of sale for the period of this plan.

7.2.12.1 Wesply's Peeler Plant at Victoria Park (Softwoods)

Softwood supplies will be maintained in response to market demands. Present quantities are 1,000 m³/year from Wanneroo, Mundaring and Jarrahdale Divisions and a further 5,000 m³/year from Central Region.

Contracts of sale will be authorised to formalise these sales.

7.2.12.2 Wesply's Particleboard Plant at Kewdale

Supplies between 20,000 and 40,000 m³/year will be maintained from Northern Region plantations, excluding Dwellingup. Supplies from Dwellingup will be delivered to Wesply's Dardanup plant (see Collie Division). All deliveries will be made under the provisions of the Wesply (Dardanup) Agreement Authorization Act, No. 17 of 1975.

7.2.12.3 C.P.I. Osborne Park

A contract of sale to supply about 16,000 m³/year of pine case logs and 1,000 m³/year of pine mill logs will be issued.

7.2.12.4 Colli, Kelmscott

A contract of sale to supply about 1,000 m³/year of pine mill logs will be issued.

7.2.12.5 Western Case Manufacturers, Osborne Park

Pine case logs up to 1,500 m³/year will be supplied, if available, under contract of sale.

7.2.12.6 Whittakers, Welshpool

Pine mill logs up to 5,000 m³/year will be supplied, if available, under contract of sale.

7.2.12.7 Other: Metropolitan Pine Operations
I.P.E. Pine Baulk Supplies, Kewdale

Supplied by private sawmills in the south west.
Kitchener Sawmills Pty. Ltd.

This mill takes residue from Wesply.

Morley Park Box and Case

Although this mill is still currently registered it is not operating at present. Contract of sale for supplies up to 500 m³/year of case logs will be issued, if available. Other supplies will come from P.P. sources.

7.2.12.8 Bunnings Mundijong

Pine sawlogs will be supplied if available under contract of sale up to 8,000 m³/year.

7.2.12.9 General

Additional contracts of sale will be entered into as and when the resource becomes available and in response to market demands. It is intended that these contracts of sale will be negotiated mainly with companies having existing milling capacity available.

7.3 Wildflowers

Seeds, plants and plant parts will be supplied from State forest according to the demand where this does not conflict with the distribution and perpetuation of the species or the major land use objectives, or the requirements of the Wildlife Conservation Act.

Wildflower picking will not be permitted in the core areas of Conservation M.P.A.'s, within 100 metres of any road used by the public or in quarantine areas.

7.4 Honey

The present level of beekeeping in State forest will be maintained with due regard to location of apiary sites at appropriate intervals to avoid transference of disease and conflict with major land use objectives.

Where possible apiary sites will be relocated outside quarantine areas and the core areas of Conservation M.P.A.'s.

7.5 Mining

7.5.1 The objective is to guide mining operations on to areas where there will be least conflict with other land uses, to minimise environmental damage and to rehabilitate areas affected by mining to best suit future land use. Mining should not take place in the core areas of Conservation M.P.A.'s or in quarantine areas.

7.5.2 Gravel, Stone and Sand

Gravel, stone and sand will be provided for government and semi-government authorities where there is no reasonable alternative supply and where the supply will not result in the spread of dieback or prejudice amenity values. Supplies will not generally be made available to private contractors who will be expected to use private sources.

Removals will be controlled by the existing system of licences and leases. Licencees and lessees will be required to submit monthly returns. Pits will be located where they will not be in view from public roads and rehabilitated when worked out, relevant earthworks to be carried out by or at the expense of the licence or lease holder.

7.5.3 Limestone (for building purposes)

Applications for the removal of limestone under a mineral lease within S.F. will not be opposed, if an alternative supply is not readily available and where supplies are surplus to the Department's requirements.

METROPOLITAN DIVISION

Following an adjustment of Divisional boundaries in July, 1978 Metropolitan Division ceased to be a Forests Division and was incorporated in Wanneroo and Jarrahdale Divisions.

WANNEROO DIVISION

<u>TENURE</u>	ha.
Hardwood forest under F.D. control	38,692
Pine plantation under F.D. control	19,650
Other	346,381
Total area of Wanneroo Division	<u>404,723</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 Part of what was formerly the Metropolitan Division, has been included in Wanneroo Division.
- 2.2 Following many years of the Department carrying out pine logging operations in Wanneroo, Mundaring and Jarrahdale the Department has now let a contract to Pine Hauliers to carry out these operations.
- 2.3 The following mills have closed:-
Preston Timber Company (Osborne Park)
Tucak (Welshpool)
- 2.4 Supplies to I.P.E. have now ceased. They are now obtaining supplies from private mills.
- 2.5 A Land Use Management Plan is currently being prepared for Wanneroo Division.

PRESCRIPTIONS FOR EACH OPERATION TO DECEMBER 1986

3.1 Hardwood

- 3.1.1 The following small mills are located mainly in the metropolitan area:-

Ashfield Sawmill (Bayswater)
Coli Timber Merchants (Gosnells)
Hamilton Sawmill (Osborne Park)
Inglewood Products (Malaga)
Jarrah Case Factory (Bayswater)
Joondanna Sawmills (Osborne Park)
Stefannelli (Middle Swan and Bindoon)
Woodpecker Building Supplies (Bentley)

These mills are presently supplied by salvage log operations from S.F. and C.L. in addition to P.P. timber. The current rate of supply of less than 12,000 m³ per year from S.F. and C.L. is likely to be reduced as a consequence of improving utilisation standards by major mills.

Metropolitan mills have no guarantee of log supplies from S.F. & C.L., nor any territorial right to such log supplies. Their continued existence depends entirely on their ability to use logs from private property, along with those supplied by log hauliers operating on S.F. & C.L.

These log hauliers obtain supplies under pre-paid licences from behind the major permit and licence holders, operating in the Northern Region and Harvey Division.

3.1.2 Wesply's Peeler Plant at Victoria Park (Hardwoods)

Karri and jarrah veneer logs will be supplied to meet market demands, for the period of this plan.

The slicing of veneer from small jarrah logs will continue following successful trials.

3.2 Pine

The following pine mills and pine conversion plants will be supplied from pine resource in the Northern Region, under contract of sale for the period of this plan.

3.2.1 Wesply's Peeler Plant at Victoria Park (Softwoods)

Softwood supplies will be maintained in response to market demands subject to supplies being available. Present quantities are 1,000 m³/year from Wanneroo, Mundaring and Jarrahdale Divisions and a further 5,000 m³/year from Central Region.

Contracts of sale will be authorised to formalise these sales.

3.2.2 Wesply's Particle Board Plant at Kewdale

Supplies between 20,000 and 40,000 m³/year will be maintained from Northern Region plantations, excluding Dwellingup. Supplies from Dwellingup are planned to be delivered to Wesply's Dardanup plant (see Central Region Preamble). All deliveries will be made under the provisions of the Wesply (Dardanup) Agreement Authorization Act, No. 17 of 1975.

3.2.3 C.P.I. Osborne Park

A contract of sale to supply about 16,000 m³/year of pine case logs and 1,000 m³/year of pine mill logs will be issued.

3.2.4 Colli, Kelmscott Mill

See Jarrahdale Division.

3.2.5 Western Case Manufacturers, Osborne Park

Pine case logs up to 1,500 m³/year will be supplied, under contract of sale.

3.2.6 Whittakers, Welshpool

Pine mill logs up to 5,000 m³/year will be supplied under contract of sale.

3.2.7 Other: Metropolitan Pine Operations I.P.E. Pine
Baulk Supplies, Kewdale

Supplied by private sawmills in the south west.

Kitchener Sawmills Pty. Ltd.

This mill takes residue from Wesply.

Morley Park Box and Case

Although this mill is still currently registered it is not operating at present. Contract of sale for supplies up to 500 m³/year of case logs can be issued, if required. Other supplies will come from P.P. sources.

3.3 Minor Forest Produce

3.3.1 Firewood

Forest produce licences will be issued to remove firewood from areas being cleared for pine planting.

3.3.2 Limestone

See Northern Region preamble.

MANAGEMENT PRIORITY AREAS

The following M.P.A.'s will be managed according to specific management plans and maintained at Regional Office.

- 15.1 Melaleuca
- 15.2 Ridges
- 15.3 Wabbling
- 15.4 Caraban

Commercial cutting on core areas of M.P.A.'s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

MUNDARING DIVISION

TENURE

ha.

Hardwood forest under F.D. control	171,751
Pine plantation under F.D. control	1,558
Other (including P.P.)	707,030
Total area of Mundaring Division	880,339

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 The divisional boundary was altered in July, 1978.
- 2.2 F.P.(S)L. 1622 (Agnew-Clough's Wundowie Mill) was cancelled on 31.12.1977.
- 2.3 Forest Produce Permit 1547 (Wundowie firewood operations) was cancelled and replaced with F.P.L. 1625.
- 2.4 F.P.L. 1625 was cancelled on 1.1.1981. A new licence is to be issued in 1983.

PRESCRIPTION FOR EACH OPERATION TO DECEMBER, 1986

3.1 Pickering Brook Sawmills, Pickering Brook (S.M.P. 856)

- 3.1.1 The areas of State forest and Crown land supplying this mill will be:-
 - (a) S.M.P. 856
 - (b) Areas 2U, 2V and dieback salvage only in 2Q.
- 3.1.2 The permit will be renewed annually at a P.I. of 3,600 m³/year for the period of this plan.
- 3.1.3 At least 30% of production to be fruit case material. The Department will monitor this figure.
- 3.1.4 The royalty will be reviewed if proportion of case production declines below 30%.
- 3.1.5 The permit will be cancelled and replaced with a F.P.(S)L. during the plan period.
- 3.1.6 Any extra cutting due to market demand for cases to come from private property.
- 3.1.7 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. Stockpiling levels to be supplied by Regional Leader (Operations).
- 3.1.8 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Jaya Pty. Ltd. F.P.(S)L. 1601

3.2.1 The area of State forest and Crown land supplying this mill will be:-

Areas 8G (Gibbs, Flint and Pt. Brady blocks) and 8T (Wearne).

3.2.2 The licence will be renewed annually at a P.I. of 4,500 m³/year.

3.2.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. Stockpiling levels to be supplied by Regional Leader (Operations).

3.2.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.3 Dale Timber Company F.P.(S)L. 1604

3.3.1 The area of State forest and Crown land supplying this mill will be:-

Areas 8G (Gibbs, Flint and Pt. Brady blocks) and 8T (Wearne).

3.3.2 The licence will be renewed annually at a P.I. of 4,500 m³/year.

3.3.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. Stockpiling levels to be supplied by Regional Leader (Operations).

3.3.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.4 Other Small Mills

a) Rizzi (Bolgart)

b) Somerville W.A. (Chidlow)

There is no resource available on Crown land for these private property mills. No licence for Crown timber to be issued.

c) Stefanelli (Middle Swan) and (Bindoon). See Wanneroo Division.

3.5 Pine Operations

Plantations within Mundaring Division are:-

Barton
Beraking
Carinyah
Clifford
Dale
Gorrie
Greystones
Helena
Wellbucket

Cutting under strict hygiene conditions is permitted within Quarantine and following Quarantine, logging operations will continue under similar conditions. For further details refer to the Northern Region preamble.

3.6 Minor Forest Produce

3.6.1 Wood Products

- a) Agnew Clough - Firewood Operations - (Formerly Under F.P.L. 1625).

A new F.P.L. is to be issued to Agnew Clough in 1983 to remove firewood from State forest and Crown land in the entire Northern Region, except for core areas of conservation and scientific M.P.A.'s and other areas close to Perth and major towns, which will be reserved for domestic firewood cutters.

P.I. will be 136,000 tonnes per year of firewood, subject to the provisions of the Wundowie Charcoal Iron Industry Sale Agreement Act 1974, Clause 10 (D). See Central Region preamble for details of any further supplies.

Logging prescriptions will be prepared to cover both green and dry firewood operations and these will be compatible with other designated land use categories.

- b) Other Wood Products

Refer to Northern Region preamble.

- c) M.F.P. Other Than Wood Products

- (i) Gravel

Gravel may not be removed from State forest below the scarp, without approval from the Forests Department.

The following Shires have gravel leases from which they may remove gravel primarily to build or maintain roads, which serve State forest:-

Armadale-Kelmscott Shire
Kalamunda Shire
Mundaring Shire
Toodyay Shire

The Kalamunda₃ Shire may remove, free of royalty, up to 7,700 m³ of gravel annually. Thereafter, the appropriate royalty applies.

New leases in State forest will be granted in accordance with F.D. policy as stated in G.W.P. Pt. 1. Refer also to Northern Region preamble.

(ii) Sand

There are two operators in Mundaring Division:-

Barfield and Bonser.

Both these operators operate on monthly licences to remove sand. They are required to supply monthly returns. Refer also to Northern Region preamble.

ALLOCATION OF AREAS

Refer to Appendix map for location of areas involved.

2P For Millars Jarrahdale Mill (S.M.P. 773).

2Q Except for domestic firewood cutting and sawlog cutting in Dieback areas by Pickering Brook sawmill (S.M.P. 856) the area will be held for cutting in future Working Plans.

2R This area is held for cutting in future Working Plans.

2S For Colli's Kelmscott mill (F.P.(S)L. 1636) and Millars Jarrahdale mill (S.M.P. 773).

2N Not available until regeneration programme has been completed. Held for cutting in future Working Plans.

2T For Millars Jarrahdale mill (S.M.P. 773).

2U For Pickering Brook Sawmill's Kalamunda mill (S.M.P. 856) and Colli's Kelmscott mill (S.M.L. 1636).

F.P.(S)L.

2V For Pickering Brook Sawmill's Kalamunda mill (S.M.P. 856).

2W Little Darkin Catchment. The P.W.D. are currently monitoring the effects of autumn burning in a gauged catchment.

2Z Not available until stand improvement requirements have been investigated.

MOONDYNE & TOODYAY BLOCKS

No cutting is proposed in Moondyne (V.C.L.) and Toodyay (Land Act Reserve vested in C. of F.), blocks which are likely to be vested in the National Park Authority under the current System Six proposal.

ALLOCATION OF BUFFER AREAS OF M.P.A's.

M.P.A. 2.1 (Julimar) Flora, Fauna, Landscape Priority Area
M.P.A. 2.3 (Gunapin) Flora, Fauna, Landscape Priority Area
M.P.A. 2.4 (Sullivan) Flora, Fauna, Landscape Priority Area

Except for firewood operations, the above M.P.A. buffer areas are not available for cutting for many years until growth has produced enough marketable sized trees.

M.P.A. 2.5 (Russell)

Not available for cutting for many years until growth has produced enough marketable sized trees.

M.P.A. 2.6 (Dale) For Millars Jarrahdale Mill (S.M.P. 773)
M.P.A. 2.7 (Flynn).

Except for cutting for hydrological research, not available for many years until growth has produced enough marketable sized trees.

MANAGEMENT PRIORITY AREAS

The following M.P.A's. will be managed according to special management plans:-

6.1 Conservation of Flora, Fauna and Landscape M.P.A's

M.P.A. 2.1 Julimar
2.3 Gunapin
2.4 Sullivan
2.5 Russell
2.6 Dale

6.2 Scientific M.P.A.

M.P.A. 2.7 Flynn

6.3 Commercial cutting on core areas of M.P.A's. is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

JARRAHDALE DIVISION

1. TENURE

	<u>ha.</u>
Hardwood forest under F.D. control	171,938
Pine plantation under F.D. control	1,334
Other	157,442
Total area of Jarrahdale Division	<u>330,714</u>

2. CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 The Divisional boundary was altered in July, 1978 by the addition of areas from Wanneroo and former Metropolitan Division and the excision of areas north of Brookton Highway to Mundaring Division.
- 2.2 The name of the Division changed from Kelmscott to Jarrahdale.
- 2.3 S.M.L. 1599 Welshpool Sawmills licence was cancelled on 31.12.1979. The mill is still operating milling private property timber and receiving a limited resource from Curry, a salvage operator.
- 2.4 Wungong Dam was opened in November, 1980.
- 2.5 As a result of Divisional boundary amendments Karnet M.P.A. is now in Jarrahdale Division and been renumbered 8.11.
- 2.6 Alcoa of Australia Ltd. mobile chipper mill first registered January, 1979 to chip unmarketable Jarrah and Marri poles.
- 2.7 On 31st August, 1981, J. Mazzega & Co. Pty. Ltd., operating under F.P.(S)L. 1600, changed its name. The registered business name of the new company became Colli and Sons. As a result F.P.(S)L. 1600 was cancelled and replaced by F.P.(S)L. 1636 issued on 1st September, 1981.

3. PRESCRIPTION FOR EACH OPERATION TO DECEMBER, 1986

3.1 Millars Jarrahdale Mill (S.M.P. 773)

3.1.1 The area of State forest and Crown land supplying this mill will be:-

- a) SMP 773 excluding core areas of conservation and scientific M.P.A.'s. These M.P.A.'s are:-

M.P.A. 8.1 (Eagle Hill)	M.P.A. 8.3 (Lang)
M.P.A. 8.2 (Cooke)	M.P.A. 8.9 (Mundlimup)
M.P.A. 8.4 (Gooralong)	M.P.A. 8.10 (Chandler)
M.P.A. 8.6 (Windsor)	M.P.A. 2.6 (Dale)
M.P.A. 8.7 (Serpentine)	

b) Areas 2S, 2T, 2P, 8A, 8C, 8E, 8R and 8V.

c) Buffer areas of M.P.A.'s.

Conservation of Flora, Fauna and Landscape M.P.A.'s

M.P.A. 8.1 (Eagle Hill)	M.P.A. 8.6 (part Windsor)
M.P.A. 8.2 (Cooke)	M.P.A. 8.7 (Serpentine)
M.P.A. 8.4 (Gooralong)	M.P.A. 2.6 (Dale)

Scientific M.P.A.'s

Cutting will be permitted only where it is compatible with the objectives of the scientific study.

M.P.A. 8.3 (Lang-part)	M.P.A. 8.9 (Mundlimup)
M.P.A. 8.10 (Chandler)	

- 3.1.2 The permit will be renewed annually at a P.I. of 36,000 m³/year for the period of this plan.
- 3.1.3 Consideration will be given to transferring this permit to a licence (F.P.(S)L.).
- 3.1.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. Stockpiling levels to be supplied by Regional Leader (Operations).
- 3.1.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Whittakers Metropolitan Mill (S.M.P. 1319)

3.2.1 The area of State forest and Crown land supplying this mill will be:-

- a) S.M.P. 1319 excluding core areas of conservation and scientific M.P.A.'s.

M.P.A. 3.5 (Duncan)	M.P.A. 8.6 (Windsor)
M.P.A. 8.11 (Karnet)	M.P.A. 8.3 (Lang)

- b) Area 3Z.

- c) Buffer areas of M.P.A.'s.

Conservation of Flora, Fauna and Landscape M.P.A.'s

M.P.A. 3.5 (Duncan-part)	M.P.A. 8.11 (Karnet)
M.P.A. 8.6 (Windsor-part)	

Scientific M.P.A.

Cutting will be permitted only where it is compatible with the objectives of the scientific study.

M.P.A. 8.3 (Lang)

- 3.2.2 The permit will be renewed annually at a P.I. of 22,000 m³/year for the period of this plan.

Discussions to take place with the company to give consideration to reducing this P.I. in order that life may be extended. In consideration of this reduction a cut of small hardwoods up to a level of about 25,000 - 30,000 cubic metres per annum for 20 years may be granted.

- 3.2.3 Consideration will be given to transferring this permit to a licence (F.P.(S)L.).
- 3.2.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. Stockpiling levels to be supplied by Regional Leader (Operations).
- 3.2.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

~~4.3.3~~
3.3 Colli Kelmscott Mill (F.P.(S)L. 1636)

- 3.3.1 The area of State forest and Crown land supplying this mill will be:-

Areas 2S, 2U, 8E and 8F.
- 3.3.2 The licence will be renewed annually at a P.I. of 3,060 m³/year for the period of this plan.
- 3.3.3 20% of production to be fruit case material.
- 3.3.4 Any extra cutting due to market demand for cases, to be from pine logs, up to 1,000 m³/year under contract of sale.
- 3.3.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.
- 3.3.6 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. Stockpiling levels to be supplied by Regional Leader (Operations).

3.4 Bellanger F.E. North Dandalup (F.P.(S)L. 1616) Sheoak Mill

- 3.4.1 Small mills are situated in Dwellingup and Busselton Divisions. Some sheoak cutting under F.P.(S)L. 1616 occurs in Jarrahdale Division.

- 3.4.2 There is no guarantee of life on State forest or Crown land for this sheoak mill.
- 3.4.3 As long as viable supplies are available this mill may continue to cut sheoak only on areas to be cleared for mining, pine establishment or other areas nominated by the Department.
- 3.4.4 Alternative supplies of sheoak may be made available from the Sunklands. See Busselton Division.

3.5 Alcoa of Australia Limited

Mobile chipper, Del Park and Huntly minesites.

This portable chipper mill was registered in January, 1979 to cut salvage material under F.P. licences from the clearing of areas to be mined. The brush chips produced are used in the rehabilitation of mined sites. Intake has been about 2 tonne/year. The present mill no longer operates and will be replaced in 1983 by a bigger machine with a capacity of about 20 tonne/year. Intake will be restricted to the amount of material available as a result of clearing operations.

3.6 Bunning Bros., Mundijong

Pine treatment plant and pine sawmill.

- 3.6.1 The Forests Department will supply under contract of sale, up to 5,000 m³ of pine rounds per year from Northern and Central regions for the period of this plan.
- 3.6.2 The pine sawmill is supplied from private property. Pine sawlogs under contract of sale can be supplied up to 8,000 m³/per year from Crown land if available.

3.7 Salvage Operators

Curry - Jarrahdale
A. Pieri - Jarrahdale

- 3.7.1 Salvage material behind Crown land permit/licence operations only to be available to these two log hauliers.
- 3.7.2 No guarantee of Crown land timber can be given beyond this resource.
- 3.7.3 Continue operations at present level on the basis of a prepaid Forest Produce Licence.
- 3.7.4 It is expected that Curry will discontinue operating during the period of this plan.
- 3.7.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended and stockpiling may be necessary to minimise any damage.

3.8 Pole Operators

3.8.1 Ridolfo and Palmer

A pole and pile licence will be issued to supply distribution and transmission poles to the S.E.C. and subject to the capacity of the forest to supply.

3.9 Pine Operations

Plantations within Jarrahdale Division are:-

Gleneagles
Cooke
Bell
Karnet
Frollet
Chandler Seed Farm
Peel Estate

The resource in these plantations may be used to supply the Department's various commitments in the Northern Region. Refer to Northern Region preamble.

3.10 Minor Forest Produce

3.10.1 General

- a) No M.F.P. operations in core areas of scientific or conservation M.P.A.'s
- b) Commercial M.F.P. operators to be allocated areas in the following priority:-
 - i) in front of clearing e.g. mining
 - ii) forest improvement work
 - iii) follow up to permit or licence sawmill operations

3.10.2 Firewood

a) Industrial Operators

Agnew-Clough - see Mundaring Division
Fullgrabe - currently supplying Orange Grove Brickworks
Zanki - currently supplying dry cleaners

Operations to be confined west of Quarantine and south of Balmoral and Millars Log Road.

b) Domestic Firewood Supplies

- i) Commercial operators to only operate in areas outlined in 3.10.1 (b) above.
- ii) Private Firewood Supplies to be guided into areas considered to be of low disease risk, north of Balmoral and Millars Log Roads.

3.10.3 Denford

Can be issued a Forest Produce License to cut S.E.C. struts; to operate in areas east of Helena and Canning Catchment boundaries.

This operator utilises Wandoo trees marked in a silvicultural operation and is not to be considered as a salvage operator.

3.10.4 Demand for Minor Forest Produce

Demand for certain types of M.F.P. (domestic firewood and round posts in particular) is increasing by approximately 20% per annum. The increase in demand will only be catered for if hygiene measures can be strictly enforced.

3.10.5 Gravel

Serpentine - Jarrahdale Shire have two gravel leases both of which will run out of resource during the plan period. New leases in State forest will be granted in accordance with F.D. policy as stated in G.W.P. Pt. 1.

Supplies, not exceeding 50m³ over any one three months period will be made available to private individuals from P.C. areas.

ALLOCATION OF AREAS

Refer to appendix map for location of areas involved.

- 8A for Millars Jarrahdale Mill (S.M.P. 773)
- 8C for Millars Jarrahdale Mill (S.M.P. 773)
- 8E for Millars Jarrahdale Mill (S.M.P. 773) and Colli Kelmscott mill (F.P.(S.)L. 1636).
- 8F for Colli Kelmscott Mill (F.P.(S.)L. 1636)
- 8G for Jaya Pty. Ltd.'s Dale Mill (F.P.(S.)L. 1601) and Dale Timber Company's Dale Mill (F.P.(S.)L. 1604).
- 8R for Millars Jarrahdale Mill (S.M.P. 773)
- 8S recently cut-over, requires evaluation for forest improvement treatment.
- 8T for Jaya (F.P.(S.)L. 1601) and Dale (F.P.(S.)L. 1604)
- 8V for Millars Jarrahdale Mill (S.M.P. 773)

ALLOCATION OF BUFFER AREAS OF PRESENT MANAGEMENT PRIORITY AREAS

Produce may be removed from buffer areas of M.P.A's. according to prescriptions which do not prejudice the management objective of the core zone.

5.1 Conservation of Flora, Fauna and Landscape M.P.A.'s

- M.P.A. 8.1 Eagle Hill - for Millars Jarrahdale Mill (S.M.P. 773)
- M.P.A. 8.2 Cooke - for Millars Jarrahdale Mill (S.M.P. 773)
- M.P.A. 8.4 Gooralong - for Millars Jarrahdale Mill (S.M.P. 773)
- M.P.A. 8.6 Windsor - Northern part for Millars Jarrahdale Mill (S.M.P. 773)
- Southern part for Whittakers Welshpool Mill (S.M.P. 1319)
- M.P.A. 8.7 Serpentine - for Millars Jarrahdale Mill (S.M.P. 773)
- M.P.A. 8.11 Karnet - for Whittakers Welshpool Mill (S.M.P. 1319)

5.2 Scientific Study M.P.A.'s

- M.P.A. 8.3 Lang - northern part for Millars Jarrahdale Mill (S.M.P. 773)
- southern part for Whittakers Welshpool Mill (S.M.P. 1319)
- M.P.A. 8.9 Mundlimup - for Millars Jarrahdale Mill (S.M.P. 773)
- M.P.A. 8.10 Chandler - for Millars Jarrahdale Mill (S.M.P. 773)

6. MANAGEMENT PRIORITY AREAS

6.1 Conservation of Flora, Fauna and Landscape M.P.A.'s

These areas will be managed according to specific management plans and maintained at Regional Office.

- M.P.A. 8.1 Eagle Hill
- M.P.A. 8.2 Cooke
- M.P.A. 8.4 Gooralong
- M.P.A. 8.5 Boyagarring
- M.P.A. 8.6 Windsor
- M.P.A. 8.7 Serpentine
- M.P.A. 8.8 Lupton
- M.P.A. 8.11 Karnet (formerly 3.8)

6.2 Scientific Study M.P.A.'s

No logging in core.

Logging in buffer will be permitted in a way and in places and at times which will not affect the primary aim of the core.

- 8.3 Lang
- 8.9 Mundlimup (proposed)
- 8.10 Chandler (proposed)

- 6.3 Commercial cutting on core areas of these M.P.A.'s will not be carried out. In the event of severe deterioration, due to damage, fire, disease or age in any part of the core area, however, limited cutting may be authorized to facilitate satisfactory regeneration.

DWELLINGUP DIVISION

<u>TENURE</u>	<u>ha.</u>
Hardwood forest under F.D. control	161,758
Pine plantations under F.D. control	611
Other	278,888
Total Area of Dwellingup Division	<u>441,257</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 The divisional boundary was altered in 1978 when parts of the Division were transferred to Jarrahdale.
- 2.2 The Forests Department's logging contract has ceased and logging is now carried out by Bunnings under their permit conditions.
- 2.3 Bunnings Dwellingup is operating in areas outside its permit under a letter of authority.
- 2.4 The number of Karnet M.P.A. was changed to 8.11 from 3.8 as a result of divisional boundary amendments.

PRESCRIPTION FOR EACH OPERATION TO DECEMBER, 1986

3.1 Bunnings Dwellingup (S.M.P.'s 1540 and 1541)

3.1.1 The area of State forest and Crown land supplying this mill will be:-

a) S.M.P. 1540 parts I & II, (Tumlo Block) S.M.P. 1541 except for part of the core area of M.P.A. 3.5 (Duncan).

b) Areas 3B, 3S, 3T, 3U, 3V, 3W, 3X, 3Y, 10A and 10B.

c) Buffer areas of M.P.A.'s.

(i) Conservation of flora, fauna and landscape M.P.A.'s.

M.P.A. 3.5 (Duncan-part)	3.7 (Teesdale-part)
3.6 (Plavins-part)	10.3 (Bell-part)

(ii) Scientific Study M.P.A.'s.

Cutting will be permitted only where it is compatible with the objective of the scientific study.

M.P.A. 3.1 (Yarragil)	3.2 (Amphion)
3.11 (Marrinup)	3.12 (Saddleback)

(iii) Recreation M.P.A.

M.P.A. 3.3 (Murray Valley - part)

- 3.1.2 Up to 30th June, 1982 the P.I. for this mill and Bunnings Collie mill is to be a total of 82,000 m³/year. The P.I. of the Collie mill is not to exceed 48,000 m³/year of that 82,000 m³/year. The P.I. of the Dwellingup mill will therefore be at least 34,000 m³/year, depending on the level of intake at Collie.
- 3.1.3 At the expiration of the S.B.S. - H.S.B.S. sale agreement on 30th June, 1982 the permits will be cancelled and licences issued for each of the Dwellingup and Collie mills. The P.I. for the Dwellingup mill will then be 36,000 m³/annum, for the period of this working plan.
- 3.1.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. Stockpiling levels to be supplied by Regional Leader (Operations).
- 3.1.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Forests Department's Experimental Dwellingup Mill

- 3.2.1 The area of State forest supplying this mill will be:-

Areas 3X, 3Y, 10B and 10A.

The F.D. mill will be permitted to cut in N.U.P. Areas 3X, 10B and 10A to compensate for Bunnings cutting in N.U.P. 3Y.
- 3.2.2 The primary management objective is for this mill to provide research and training in hardwood logging. Produce recovered during mill operation will be subject to tender at periods not exceeding 12 months.
- 3.2.3 Intake will be 6,000 m³/year. The mill will be closed early in the plan period.
- 3.2.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.
- 3.2.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. Stockpiling levels to be supplied by Regional Leader (Operations).

3.3 Bellanger F.E. North Dandalup Mill (F.P.(S)L. 1616)

- 3.3.1 There is no guarantee of life on State forest or Crown land for this sheoak mill.

3.3.2 As long as viable supplies are available this mill may continue to cut sheoak, only on areas to be cleared for mining, pine establishment or other areas nominated by the Department.

3.3.3 Alternative supplies of sheoak may be made available from the Sunklands. See Busselton Division.

3.4 Bunning Bros. Pty. Ltd. (R. Gordon & Sons) - Boddington

3.4.1 There will be no guarantee of Crown land timber for this P.P. mill.

3.4.2 Local licences may be issued on a prepaid basis for occasional salvage parcels on Crown land.

3.4.3 No logging on Crown land will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to minimise any damage.

3.4.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.5 Turton - Wandering

3.5.1 This mill operates mainly on P.P. together with a very limited Wandoo operation on Crown land.

3.5.2 No guarantee of Crown land timber for this mill.

3.5.3 Local licences may be issued on a prepaid basis for occasional parcels of Wandoo from Crown land.

3.5.4 No logging on Crown land will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to cover this period.

3.5.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.6 The following mills operate exclusively from Private Property and will not be issued with licences to cut State forest or Crown land timber:-

Bellanger T. & Co. - North Dandalup
Dehne E.P.O. - Wandering
Coli - Mandurah Sawmills, Mandurah
Muller F. - Wandering

3.7 Salvage Operators

3.7.1 Fort - Dwellingup

Taylor - Dwellingup

3.7.2 For these two log hauliers, dieback and salvage logging may continue on State forest or Crown land after major G.P. sawmill operations within present levels on the basis of a prepaid Forest Produce Licence, as long as suitable material is available.

3.7.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to cover this period.

3.7.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.7.5 Ivankovich - This salvage operator cuts on private property. No licences will be issued to cut State forest or Crown land timber.

3.8 Pole Operators - Ridolfo and Palmer

Licences will be issued to cut distribution and transmission poles in Dwellingup Division for supply to the S.E.C. subject to capacity of forest to supply. See Regional Preamble for further details.

When the pole resource from Dwellingup Division is exhausted, further supplies will have to be sought from Harvey and Kirup Divisions.

3.9 Pine Operations

Pine plantations within Dwellingup Division are:-

Murray
Turner
Wuraming

In addition Hamel Nursery is administered from this Division. Refer to section in Wanneroo Division for pine logging details within the Northern Region.

3.10 Minor Forest Produce

3.10.1 General

No M.F.P. operations in core areas of scientific or conservation M.P.A.'s.

Commercial M.F.P. operations to be concentrated in front of clearing (e.g. mining), forest improvement work and as a follow-up to permit and licence sawmill operations.

3.10.2 Firewood

a) Industrial - Pinjarra Brickworks. It is anticipated that the Pinjarra brickworks will require firewood from State forest early in the plan period. They will be supplied by a number of commercial firewood operators whose operations will be confined to that area mentioned in 3.10.1 (para. 2) above.

b) Domestic Firewood Supplies.

Commercial operators to only operate in areas mentioned in Section 3.10.1 (para. 2) on a short term licence. Private firewood supplies will be from areas considered to be a low disease risk. Only operate in areas mentioned in Section 3.10.1 (para. 2) on a short term licence.

3.10.3 Other Wood M.F.P.

Cutting of other minor forest produce will be permitted where it is compatible with other designated land use categories.

3.10.4 M.F.P. Other Than Wood Products

a) Gravel

Current leases No. 104 and 109 held by the Shire of Murray have a limited resource. When the resource is exhausted, new supplies should be made available from the Alcoa and Worsley mineral leases.

Government Departments (M.R.D., M.W.S.S. & D.B.) will be supplied under local licence as required.

The Boddington Shire will be supplied with gravel from S.F. under local licence, as the need arises, should there be no alternative supplies readily available. See also Northern Region Preamble.

4. ALLOCATION OF AREAS

3B for Bunnings Dwellingup Mill S.M.P.'s 1540 part I, 1541
3S for Bunnings Dwellingup Mill S.M.P.'s 1540 part I, 1541
3T for Bunnings Dwellingup Mill S.M.P.'s 1540 part I, 1541
3U for Bunnings Dwellingup Mill S.M.P.'s 1540 part I, 1541
3V for Bunnings Dwellingup Mill S.M.P.'s 1540 part I, 1541
3W for Bunnings Dwellingup Mill S.M.P.'s 1540 part I, 1541
3X) for Forests Department Dwellingup Mill and Bunnings
3Y) Dwellingup Mill (S.M.P.'s 1540 Part I, 1541).
3Z for Whittakers Welshpool Mill S.M.P. 1319.
Quindanning block: Held for future management plans.

The Forests Department mill may operate in designated areas allocated to Bunnings to compensate for Bunnings cutting in 3Y.

5. ALLOCATION OF BUFFER AREAS OF MANAGEMENT PRIORITY AREAS

Produce may be removed from buffer areas of M.P.A.'s according to prescriptions, which do not prejudice the management objectives of the core zone.

5.1 Conservation of Flora, Fauna and Landscape M.P.A.'s

M.P.A. 3.4 Gyngoorda - The area is reserved as a resource for future plan periods.

M.P.A. 3.5 Duncan - For Whittakers Welshpool Mill (S.M.P. 1319) northern part. For Bunnings Dwellingup mill (S.M.P.'s 1540 part I and 1541) southern part.

M.P.A. 3.6 Plavins - For Bunnings Dwellingup Mill (S.M.P.'s 1540 part I, 1541).

M.P.A. 3.7 Teesdale - for Forests Department's Dwellingup Mill and Bunnings Dwellingup Mill (S.M.P.'s 1540 part I, 1541) - northern part, for Millars Yarloop Mill (S.M.P. 1556) - southern part.

M.P.A. 3.10 Wandering - no buffer area.

5.2 Scientific Study M.P.A.'s

M.P.A. 3.1 Yarragil - For Bunnings Dwellingup Mill (S.M.P.'s 1540 part I, 1541).

M.P.A. 3.2 Amphion - For Bunnings Dwellingup Mill (S.M.P.'s 1540 Part I, 1541).

M.P.A. 3.11 Marrinup - For Bunnings Dwellingup Mill (S.M.P.'s 1540 part I, 1541).

M.P.A. 3.12 Saddleback - For Bunnings Dwellingup Mill (S.M.P.'s 1540 part I, 1541).

5.3 Recreation M.P.A.

M.P.A. 3.3 Murray Valley - For Bunnings Dwellingup Mill (S.M.P.'s 1540 part I and 1541) east of river. For Millars Yarloop Mill (S.M.P. 1556) and Bunnings Dwellingup Mill (S.M.P. 1540 Part II) west of the River and north of Quindanning Road.

6. CONSERVATION OF FLORA, FAUNA, LANDSCAPE, SCIENTIFIC AND RECREATION MANAGEMENT PRIORITY AREAS

The following conservation of Flora and Fauna M.P.A.'s will be managed according to specific management plans and maintained at Regional Office.

6.1 Conservation of Flora, Fauna and Landscape M.P.A.s

M.P.A. 3.4 Gyngooda
M.P.A. 3.5 Duncan
M.P.A. 3.6 Plavins
M.P.A. 3.7 Teesdale
M.P.A. 3.10 Wandering

6.2 Scientific Study M.P.A.s

No logging in core.

Logging in buffer will be permitted in a way and in places and at times which will not affect the primary aim of the core.

M.P.A. 3.1 Yarragil
M.P.A. 3.2 Amphion
M.P.A. 3.11 Marrinup
M.P.A. 3.12 Saddleback
M.P.A. 3.9 Banksiadale

6.3 Recreation M.P.A.

M.P.A. 3.3 Murray Valley

Logging operations will be modified in existing recreation sites and areas and amenity strips, such that recreation objective is not affected.

6.4 Commercial cutting on core areas of these M.P.A.s will not be carried out. In the event of severe deterioration, due to damage, fire, disease or age in any part of the core area, however limited, cutting may be authorised to facilitate satisfactory regeneration.

7. TREE NURSERY

One of the Department's two nurseries which supply seedlings to the general public is situated at Hamel and administered by Dwellingup Division. The major objective of this nursery is to supply tree seedlings for Departmental requirements and to the public for planting in rural areas.

Tree seedlings to the public for planting in rural areas are supplied at approximately cost price and are sold to private growers providing Departmental requirements are not prejudiced. These seedlings will not be despatched to city or suburban areas.

Total seedlings for sale to the public during 1980/81 amounted to 105,120 (128,608 in 1975/76) and for Departmental use in 1980/81 574,146 seedlings were distributed (139,050 during 1975/76).

NARROGIN DIVISION

<u>1. TENURE</u>	<u>ha.</u>
Hardwood forest under F.D. control	25,213

This consists of:-

Natural mallet	1,267
Plantation mallet	6,061
Wandoo types and other species	14,369
Very open	3,516
	<u>25,213</u>

2. CHANGES SINCE THE TABLING OF THE 1977 WORKING PLAN

A Land Use Management Plan is being prepared for the Narrogin Division.

1. PRESCRIPTIONS FOR EACH OPERATION TO DECEMBER 1986

3.1 A.B. Hunter, Narrogin (F.P.(S)L. 1612)

- 3.1.1 The cutting of mallet to produce tool handles can continue for the period of the plan.
- 3.1.2 The P.I. is 816 tonnes of Mallet per annum, though consideration will be given to adjusting the P.I. if market demand increases.
- 3.1.3 A limited quantity of Wandoo, to be used in the making of mallet heads, may be taken from Wandoo regeneration operations, or from buffers of the core of the conservation M.P.A.
- 3.1.4 No logging will be permitted under conditions allowing irreparable soil damage.

3.2 Dryandra Wood Products, Cuballing - G. McDougall F.P. (Fencepost) L. 1623)

- 3.2.1 A license will be issued for 100,000 pieces of fencing material annually for the period of this plan.
- 3.2.2 To be supplied from thinnings and following Hunter's operation.
- 3.2.3 Logs suitable for sawmilling for tool handles are not to be taken as fence posts, unless it is desirable for silvicultural reasons, to do otherwise.
- 3.2.4 No logging will be permitted under conditions allowing irreparable soil damage.

3.3 Wake and Bechem's Narrogin Mill

- 3.3.1 Have first option on any parcels of Wandoo that become available, as a result of silvicultural operations. Local sawmilling licenses will be issued to cover this operation.

3.4 Minor Forest Produce - Wood Products

3.4.1 Commercial Operations - Firewood

- a) Bechem, currently operating at a low capacity and is directed behind Hunter's operation. Should demand increase, Bechem will be directed to take firewood from dead and malformed living trees, from specified areas throughout the Mallet plantation.

- b) Domestic Supplies - to follow trade operations.

3.5 Minor Forest Produce - Gravel

3.5.1 Gravel Lease No. 70 held by Cuballing Shire Council

- 3.5.2 Lease expires in 1983, will be renewed in accordance with F.D. policy (G.W.P. Pt. I).

- 3.5.3 Local Shires and Government Departments only; will be supplied subject to the conditions mentioned in 3.5.2.

MALLET PLANTATION RESOURCE

The existing industry is unable to utilise the present mallet resource at a rate which will keep up with silvicultural and ecological management requirements.

During the period of this plan the potential to match resource availability with market opportunities will be investigated and implemented where possible.

Options include:-

- (i) increase of supply through existing outlets
- (ii) introduction of additional outlets for the same end products as currently being produced.
- (iii) new end products for mallet resource

ALLOCATION OF AREAS

The buffer area of M.P.A. 7.1 (Dryandra) is available to 1612 (Hunter) and 1623 (McDougall).

6. PRIORITY AREA

Dryandra 7.1 is a priority area for flora, fauna and landscape.

The area covered by reserve 16201 is vested in the Minister for Water Supply for the purpose of timber and water. No logging for timber production will take place on this reserve.

Over part of the area the aim is to ensure perpetuation of wandoo, mallet, and endemic fauna.

Around the Dryandra settlement the management objective includes recreation.

Details of working prescriptions are given in the Dryandra management plan.

7. TREE NURSERY

One of the Department's two nurseries which supply seedlings to the general public is situated at Narrogin. The major objective of this nursery is to supply tree seedlings for Departmental requirements and to the public for planting in rural areas.

Tree seedlings to the public for planting in rural areas are supplied at approximately cost price and are sold to private growers providing Departmental requirements are not prejudiced. These seedlings will not be despatched to city or suburban areas.

Total seedlings for sale to the public during 1980/81 amounted to 161,755 (78,578 in 1975/76) and for Departmental use in 1980/81 5,538 seedlings were distributed (17,817 during 1975/76).

GENERAL PRESCRIPTIONS FOR THE WHOLE CENTRAL REGION

<u>1. TENURE</u>	<u>ha.</u>
Hardwood forest under F.D. control	739,880
Pine plantation under F.D. control (nett)	27,150
Other (mainly private property)	1,406,970
Total area of the Central Region	<u>2,174,000</u>

2. ADMINISTRATIVE DIVISIONS

The Central Region comprises the following five Divisions:-

Harvey
Collie
Kirup
Nannup
Busselton

See below for detailed prescriptions by Divisions.

1. LAND USE

3.1 A Land Use Management Plan (LUMP) has been drawn up allocating each part of the Central Region to one or more of the management priorities listed below:-

- a) Conservation of Flora and Fauna
- b) Scientific Purposes
- c) Recreation
- d) Water Production
- e) Catchment Protection
- f) Hardwood Timber Production
- g) Softwood Timber Production (current or proposed)
- h) Protection Forest

The following activities and land uses are also covered in the Land Use Management Plan:-

- i) Mining (followed by recreation, water production, timber production, etc.)
- j) Water Reservoirs
- k) National Parks
- l) Proposed National Parks
- m) Communications, Service Facilities (roads, railways, S.E.C. lines etc.)

3.2 For each primary land use, secondary uses (largely compatible with primary land use) and tertiary uses (permitted only as long as there is no permanent interference or significant harm to the primary use) have been specified.

MANAGEMENT PLANS FOR M.P.A.'S

4.1 Detailed management plans have been drawn up for the following management priority areas.

4.1.1 Conservation of Flora, Fauna and Landscape M.P.A.'s

<u>Division</u>	<u>M.P.A. No.</u>	<u>Name</u>
Busselton	1.1	Whicher
Busselton	1.2	Mowen
Busselton	1.3	Chester
Busselton	1.4	Paget
Collie	4.1	Trees
Collie	4.2	Lennard
Collie	4.3	Westralia
Collie	4.4	Dardanup
Collie	4.5	Goonac
Collie	4.6	Muja
Collie	4.7	Bennelaking
Kirup	5.1	Preston
Kirup	5.2	Noggerup
Kirup	5.4	Mullalyup
Kirup	5.5	Greenbushes
Kirup	5.6	Nallajup
Harvey	10.1	Clifton
Harvey	10.2	Myalup
Harvey	10.3	Bell
Harvey	10.4	Federal
Harvey	10.5	Samson
Harvey	10.6	Surface
Harvey	10.7	Nalyerin
Harvey	10.8	Stene
Harvey	10.11	McLarty
Nannup	12.1	Dalgarup
Nannup	12.2	St John Brook
Nannup	12.3	Milyeannup

4.1.2 Scientific M.P.A.'s

Collie	4.8	Davis
Collie	4.9	Leach
Harvey	10.10	Brunswick
Busselton	1.5	Boranup
Busselton	1.6	Ludlow

4.1.3 Recreation M.P.A.'s

Harvey	-	
Busselton	1.7	Rapids
Nannup	12.4	Blackwood River

4.2 Utilisation of Forest Products

Commercial cutting, wildflower picking, mining or apiary sites will not be permitted in core areas of the above M.P.A.'s as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration. Buffer areas during the period of this plan may be cut according to special prescriptions which will be compatible with the objectives of the core area.

5. PRODUCTS FROM THE FOREST

5.1 Water

See GWP 87 Part 1 for policy and strategy for water protection. Also Section 7.1 below.

5.2 Wood

Wood products currently harvested include:-

- Hardwood sawlogs
- Hardwood chiplogs
- Hardwood firewood
- Hardwood piles and bridge timber
- Hardwood poles
- Hardwood fence posts, strainers, rails
- Mining timber
- Veneer logs
- Other wood products (bean sticks, stakes, etc.)
- Softwood mill logs (including case logs) and peelers
- Softwood particleboard logs
- Softwood pine rounds

Included under this heading are by-products such as bark, sawdust, branches, etc.

5.3 Wildflowers

Numerous species involved of which Boronia is currently the most important. Included under this heading are nuts, fruits, seeds, stems, roots and leaves.

5.4 Honey

Numerous apiarists operate within the region.

5.5 Mining

Included under this heading is mining for bauxite, coal, tin, ilmenite, mineral sands, etc. as well as sand, gravel and stone.

QUARANTINE

A large proportion of the region has been quarantined since 16.1.1976 to give time:-

- a) for dieback symptoms to express themselves
- b) to develop accurate dieback mapping techniques
- c) to develop and test hygienic methods of operation

Sufficient time has elapsed for dieback symptoms to express themselves and accurate dieback mapping techniques are now available. Some quarantined areas in this region have been mapped for dieback and it is intended to have one or more quarantine logging trials in some of these areas to develop and test hygienic methods of operation with a view to applying them operationally.

REGULATION OF THE HARVEST

7.1 Water

The Forests Department responsibility is to manage the catchments which occur on State forest in accordance with the reasonable requirements of the water supply authorities. For further details see Part 1 of this GWP and the L.U.M.P.

7.2 Wood

The wood production policies and strategies for hardwoods and softwoods stated in Part 1 of this GWP provide the background conditions for regulating all operations discussed below. Quantities to be removed and procedures required are specified in various licences, permits or agreements under the Forests Act or Regulations or other Acts or Regulations.

7.2.1 Hardwood Sawlogs

The overall thrust is towards a reduction in the hardwood cut, integrated with a corresponding introduction of softwood as it becomes available.

Some reallocation of resources has been necessary to account for unavailability of quarantine areas.

No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

See detailed prescriptions for each Division.

7.2.2 Hardwood Chiplogs

W.A. Chip and Pulp

Part of the region is within F.P.L. (Chipwood) No. 1588 held by W.A.C.A.P. This is an eastern section of Nannup Division. Most of this area is currently quarantined.

Every endeavour will be made to utilise marri chiplogs from areas to be cleared for pine planting in the Sunklands.

Additional supplies may be made available from other clearing operations, e.g. mining, S.E.C. lines, dams, etc. throughout the region. Chipwood logs of other species may be made available from the above sources.

Supply of logs from areas outside of the licence area will be counted as part of the approved permissible intake, which is currently 680,000 tonnes/year.

7.2.3 Hardwood Firewood

7.2.3.1 Domestic and Brickyard Licences

Adequate supplies will be provided within reasonable distances of these markets.

7.2.3.2 Agnew - Clough, Wundowie

A firewood resource is reserved in the north of Harvey Division (northwards to Wundowie) of up to 136,000 tonnes/year.

Of the 136,000 tonnes/year only a small part will come from Harvey Division.

A firewood resource from Sunklands clearings of up to 125,000 tonnes/year is also reserved and a licence may be issued during the period of this plan.

7.2.3.3 Other Operators

Even excepting the two possible commitments above a further large resource of firewood is available.

7.2.3.4 Chipwood

Part of the green firewood resource is suitable for use as chipwood and will be used as chipwood if there is a suitable market.

7.2.3.5 No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

7.2.4 Hardwood Piles and Bridge Timber

7.2.4.1 The requirements of government departments and local government will continue to be met whilst supplies are available.

7.2.4.2 No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

7.2.4.3 Licences will only be supplied to contractors nominated by the authority concerned and approved by the Forests Department.

7.2.5 Hardwood Poles

7.2.5.1 Poles of 11 metres and above will be supplied only to the S.E.C. and via approved contractors. Smaller poles will be made available under licence.

Except that any poles, on areas programmed for clearing, that have been refused by the S.E.C. contractor or reject poles from any source may be offered for sale to other markets.

7.2.5.2 There will be no winter snagging and carting of poles (apart from approved stockpiles) except from dieback areas or areas being cutover for sawlogs in winter.

Winter generally encompasses the wet months from 1st April to 1st November.

7.2.5.3 The S.E.C. demand for poles will be met within the above constraints subject to supplies of the relevant size classes being available.

7.2.5.4 Utilisation of marri and other species by the S.E.C. is to be encouraged.

Ridolfo, Harvey

Licences will be issued to cut poles in Harvey Division for supply to the S.E.C. When the pole resource from Harvey Division is exhausted, further supplies will have to be sought from Kirup Division southwards.

Palmer's, Collie

Licences will be issued to cut poles in Harvey and Collie Divisions for supply to the S.E.C. When the pole resource from these Divisions is exhausted, further supplies will have to be sought from Kirup Division southwards.

Aramini, Donnybrook

May be offered poles that have been refused by the S.E.C. pole contractors, from areas programmed for clearing.

7.2.6 Hardwood Fenceposts, Strainers, Rails, etc.

Material suitable for fencing requirements will be made available from logs unsuitable for sawmilling, providing it is not a silvicultural disadvantage to remove the trees required and that the risk of dieback spread is no greater than in a sawlog operation.

There will be no winter operations (during the wet months) except from dieback areas or areas being cutover for sawlogs or being cleared for pine plantations, mining, etc.

Requests for supplies will be directed firstly to areas to be cleared, secondly to dieback areas, thirdly to dieback free areas recently cutover and to timber for settlers reserves as last priority.

7.2.7 Mining Timber (Collie Coalfields)

The market demand will be met subject to supplies being available. Use of split mining timber is discouraged where round mining timber is a practical alternative. Use of sawn timber for lids is encouraged.

7.2.8 Hardwood Veneer and Peeler Logs

Provision will be made for the supply of hardwood veneer and peeler logs.

7.2.9 Other Hardwood Products (Bean Sticks, Stakes, etc.)

Material will be made available from trees unsuitable for sawmilling, providing it is not a silvicultural disadvantage to remove the trees required and that the risk of dieback spread is no greater than in a sawlog operation. There will be no winter operations (generally April to November) except from dieback areas or areas being cutover for sawlogs.

7.2.10 Softwood Mill Logs and Peelers

7.2.10.1 General

There will be a gradual increase in the availability of pine logs over 15 cm small end diameter under bark.

7.2.10.2 Pine Sales

The Forests Department will deliver pine logs from the forest to the purchaser under contract of sale. The prime reason for this is to enable the Department to maintain proper control in the forest and to ensure the production of product-classes is maximised. Such operations will normally be carried out by contractors to the Department. In the Central Region the principal contractor is Pine Hauliers Pty. Ltd., who won the contract by open tender.

7.2.10.3 Peelers

Wesply Victoria Park will be supplied with up to 5,000 m³/year of peeler logs during the period of this plan.

7.2.10.4 Forests Department Sawmill Harvey

Cutting of baulks and sawlogs can be carried out to a maximum of 10,000 m³/year for the period of this plan. Most of these logs will come from Harvey plantations with lesser amounts from Collie and elsewhere.

7.2.10.5 Wharncliffe Margaret River F.P.(S)L. 1631

The intake was 10,000 m³ of pine case logs and 5,000 m³ of pine mill logs for 1981. In 1982 it is anticipated that Wharncliffe's new sawmill near Dardanup will open at an intake of 20,000 m³/year mill logs and 15,000 m³/year case logs. The Margaret River mill will close at that time.

It is likely that the intake of the new mill can be progressively increased as follows:-

Year	Mill Logs 20 cm+	Case Logs 15-20 cm
1984	30,000 m ³ /year	15,000 m ³ /year
1985	40,000 m ³ /year	15,000 m ³ /year
1986	50,000 m ³ /year	15,000 m ³ /year
1987	50,000 m ³ /year	15,000 m ³ /year
1988	75,000 m ³ /year	10,000 m ³ /year
1989	100,000 m ³ /year	
1990	100,000 m ³ /year	

Up to 25% of the above volume will be supplied ex skylines. The resource for the above mill(s) is the whole Central Region.

7.2.10.6 Softwood Products Grimwade F.P.(S)L. 1630

Cutting of 8,000 m³/year will continue until 1988 when it is anticipated that sufficient resource can be made available for a new mill.

It is likely that the new mill could start up at 50,000 m³/year in 1988 and step up to 100,000 m³/year of mill logs 20 cm + TDL in 1990.

Up to 25% of the above volume will be supplied ex skylines. The resource for the above mill(s) will be the whole Central Region, not just Grimwade.

7.2.10.7 Other Sawmills

Small quantities of pine log material may be available e.g. from poor strain pinaster or scattered pine plots. No guarantees of supply can be made.

7.2.11 Particleboard Logs

Wesply's Particleboard Plant at Dardanup

Will be supplied with logs from all Central Region Divisions and possibly from Southern and/or Northern Regions. Intake to this plant and the Kewdale factory to eventually rise to a total of 330,000 m³/year. This intake to include logs from steep slopes and residue from pine sawmills. Private property logs may be required to augment State forest resources.

There are environmental constraints on winter logging and a stockpile of up to 10,000 m³ will be necessary.

The intake including sawmill residues is likely to increase gradually from the present level of 125,000 m³/year to 150,000 m³/year in 1982 and 200,000 m³/year in 1986.

7.2.12 Pine Rounds

Bunnings Mundijong

The present quota for this plant is 5,000 m³/year of pine rounds drawn from both the Northern and Central Regions. Small increases in quotas may be permitted as the resource allows.

See also northern region.

Koppers Picton

The present quota for this plant is 7,000 m³/year. Small increases in quotas may be permitted as the resource allows.

Other Operators

Small quantities of Pine Rounds can be supplied as the resource allows.

7.3 Wildflowers

Seeds, plants and plant parts will be supplied from State forest according to the demand where this does not conflict with the distribution and perpetuation of the species or the major land use objectives, or the requirements of the Wildlife Conservation Act.

Wildflower picking will not be permitted in the core areas of Conservation M.P.A.'s, within 100 metres of any road used by the public, or in quarantine areas.

7.4 Honey

The present level of beekeeping in State forest will be maintained with due regard to location of apiary sites at appropriate intervals to avoid transference of disease and conflict with major land use objectives.

Where possible apiary sites will be relocated outside quarantine areas and the core areas of Conservation M.P.A.'s.

7.5 Mining

7.5.1 The objective is to guide mining operations on to areas where there will be least conflict with other land uses, to minimise environmental damage and to rehabilitate areas affected by mining to best suit future land use. Mining should not take place in the core areas of Conservation M.P.A.'s or in quarantine areas.

7.5.2 Gravel, Stone and Sand

Gravel, stone and sand will be provided for government and semi-government authorities where there is no reasonable alternative supply and where the supply will not result in the spread of dieback or prejudice amenity values. Supplies will not generally be made available to private contractors who will be expected to use private sources.

Removals will be controlled by the existing system of licences and leases.

Pits will be located where they will not be in view from public roads and rehabilitated when worked out, relevant earthworks to be carried out by or at the expense of the licence or lease holder.

7.5.3 Limestone (For Building Purposes)

Applications for the removal of limestone under a mineral lease within State forest will not be opposed, if an alternative supply is not readily available and where supplies are surplus to the Department's requirements.

HARVEY DIVISION

<u>TENURE</u>	<u>ha.</u>
Hardwood forest under F.D. control	157,009
Pine plantation under F.D. control	6,029
Other (mainly private property)	179,465
Total area of Harvey Division	<u>342,503</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 Vitasovic, log haulier, ceased operations
- 2.2 Novacsek, log haulier, ceased operations
- 2.3 S.M.P. 1556 part III, Millars Yarloop, cancelled August 1979

PRESCRIPTIONS FOR EACH MILL TO DECEMBER 1986

3.1 Millars Yarloop Mill (S.M.P. 1556)

3.1.1 The area of State forest and Crown land supplying this mill will be:-

- a) S.M.P. 1556 excluding core areas of M.P.A.'s 10.4, 10.5, 10.6, 10.7 and 10.8
- b) Areas 10S, 10T, 10V, 10X, 10A, 10B and 10C.
- c) Buffer areas of conservation of flora, fauna and landscape M.P.A.'s 10.6 (part only), 10.7 (part only) and recreation M.P.A. 3.3 (west of river only).

As a result of the extended quarantine period certain areas will be reallocated. Areas 10A and 10B will be required by Bunnings Dwellingup and/or the F.D. Mill, Dwellingup until about 1986. To compensate, reserve area 10Y and/or part S.M.P. 1540 part II will be allocated to Millars Yarloop after 1986.

3.1.2 The permit will be renewed annually at a P.I. of 46,000 m³/year with a further 4,000 m³/year for the period of this plan, provided current satisfactory bush utilization standards are maintained. The P.I. will reduce to 46,000 m³/year after December, 1986.

Further adjustments to P.I. will be considered in relation to estimated long term yield along with any small mill log resource that comes available.

- 3.1.3 Consideration will be given to transferring this permit to a licence during the plan period.
- 3.1.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpiles are required:-

by 30.4.1982 15% of P.I. = 7,500 m³
by 30.4.1983 20% of P.I. = 10,000 m³
by 30.4.1984 25% of P.I. = 12,500 m³

- 3.1.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Salvage Operators - Harvey Division

Mateljan, Harvey
Worral, Harvey
C.V. Wood, Waroona Sawmill - supplied by L. Wood, Waroona
Cullities, Picton Valley Sawmill
Harnett, Roelands

- 3.2.1 No guarantee of life or level of intake from Crown land timber can be given to these log hauliers and salvage operators.
- 3.2.2 Operations are to be in accordance with salvage logging rules of 1.9.1978.
- 3.2.3 Salvage material will be made available following Crown land permit/licence operations only.
- 3.2.4 In the case of Cullities, some salvage material for this mill may be available from Kirup, Nannup, Collie, Busselton Divisions and/or the southern region.
- 3.2.5 There is to be no change in equipment without the approval of the Conservator of Forests.
- 3.2.6 Licences cannot be transferred without the approval of the Conservator of Forests.
- 3.2.7 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to minimise any damage.
- 3.2.8 Implementation of top disposal, erosion control and site rehabilitation measures will be required.
- 3.2.9 Reduction in the level of operations will be implemented when necessary to provide a balance of operations between the main mills and the salvage operators.

3.2.10 It is likely that supplies to some of these salvage operators will cease during this Working Plan period.

Unless extenuating circumstances prevail the order of closure will be:-

1. Mateljan
2. Worral
3. Wood
4. Cullities
5. Harnett

3.3 Bellanger F.E. North Dandalup (F.P.(S)L. 1616) Sheoak Mill

3.3.1 This mill is situated in Dwellingup Division. Some sheoak cutting under F.P.(S)L. 1616 occurs in Harvey Division.

3.3.2 There is no guarantee of life on State forest or Crown land for this sheoak mill.

3.3.3 As long as viable supplies are available this mill may continue to cut sheoak, only on areas to be cleared for mining, pine establishment or other areas nominated by the Department.

3.3.4 Alternative supplies of sheoak may be made available from the Sunklands. See Busselton Division.

3.4 Bunnings S.M.P. 1540 Part II

3.4.1 To be cancelled after the H.S.B.S. Agreement expires on 30.6.1982 and replaced with a licence.

3.4.2 Part of the current permit area and/or reserve area 10Y and/or buffer area of M.P.A. 10.6 currently reserved for Bunnings Collie to be transferred to Millars Yarloop to compensate for volumes cut in Millars reserves by Bunnings Dwellingup.

3.4.3 See also Dwellingup Division and Collie Division.

3.5 Pine Operations

3.5.1 Forests Department Pine Sawmill, Harvey

This mill with its associated high temperature kiln and dressing facilities is to continue operations in order to provide basic research data in respect of the two major pine species grown by the Department. The resulting sawn product will be sold by contract of sale.

See also regional section 7.2.10.

3.5.2 Plantations Within Harvey Division are:-

Brunswick
Harvey Weir
McLarty
Myalup
Tallanalla
Tumlo

3.6 Minor Forest Produce (Wood Products and Other)

See regional section for prescriptions for:-

Hardwood logs other than sawlogs (Ridolfo's and Palmer's pole operations, Harvey - see regional section 7.2.5)
Firewood
Wildflowers
Honey
Mining (including gravel, sand and stone)

ALLOCATION OF AREAS

10A - for Millars Yarloop SMP 1556 (Bunnings & F.D. Dwellingup until 1986)
10B - for Millars Yarloop SMP 1556 (Bunnings & F.D. Dwellingup until 1986)
10C - for Millars Yarloop SMP 1556
10S - for Millars Yarloop SMP 1556
10T - for Millars Yarloop SMP 1556
10V - for Millars Yarloop SMP 1556
10X - for Millars Yarloop SMP 1556
10Y - for Bunnings Collie (initially) SMP's 1537 and 1542
10Z - mainly recently cutover, held for future management plans

ALLOCATION OF BUFFER AREAS OF M.P.A.'S

Produce may be removed from buffer areas of M.P.A.'s according to prescriptions which do not prejudice the management objectives of the core area.

M.P.A. 10.1 - mainly recently cutover, held for future management plans
M.P.A. 10.2 - mainly recently cutover, held for future management plans
M.P.A. 10.3 - for Bunnings Dwellingup (SMP's 1540 Pt 1 and 1541)
M.P.A. 10.6 - part to Millars Yarloop (SMP 1556), part to Bunnings Collie (SMP's 1537 and 1542)
M.P.A. 10.7 - part to Millars Yarloop (SMP 1556), part held for future management plans
M.P.A. 10.8 - mainly recently cutover, held for future management plans
M.P.A. 10.10- held for future management plans
M.P.A. 10.11- mainly recently cutover, held for future management plans

MANAGEMENT PRIORITY AREAS

The following M.P.A.'s will be managed according to specific management plans and maintained at Regional Office.

6.1 Conservation of Flora, Fauna and Landscape M.P.A.'s

M.P.A. 10.1 Clifton
M.P.A. 10.2 Myalup
M.P.A. 10.3 Bell
M.P.A. 10.4 Federal
M.P.A. 10.5 Samson
M.P.A. 10.6 Surface
M.P.A. 10.7 Nalyerin
M.P.A. 10.8 Stene
M.P.A. 10.11 McLarty

6.2 Scientific Study M.P.A.

M.P.A. 10.10 Brunswick

6.3 Commercial cutting on core areas of M.P.A.s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

COLLIE DIVISION

<u>TENURE</u>	<u>ha.</u>
Hardwood forest under F.D. control	158,087
Pine plantation under F.D. control	2,818
Other (mainly private property)	341,595
Total area of Collie Division	<u>502,500</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

2.1 Bunnings Collie S.M.P. 1233 cancelled 30.6.1977.

PRESCRIPTIONS FOR EACH MILL TO DECEMBER, 1986

3.1 Bunnings Collie Mill (S.M.P.'s 1537, 1540 part II, 1542)

3.1.1 The area of State forest and Crown land supplying this mill will be:-

a) S.M.P.'s 1537, 1540 part II and 1542 excluding core areas of conservation M.P.A.'s:-

M.P.A. 4.1 (Trees)
M.P.A. 4.3 (Westralia)
M.P.A. 10.6 (pt) (Surface)

b) Areas 4A, 4H, 4V, 4W, 4Y and 10Y.

After 1986 area 10Y and/or part of S.M.P. 1540 part II will be allocated to Millars Yarloop to compensate for cutting of Millars areas by Bunnings Dwellingup.

c) Buffer areas of M.P.A.'s.

Conservation of Flora, Fauna and Landscape M.P.A.'s

M.P.A. 4.1 (Trees)	M.P.A. 4.3 (Westralia)
4.2 (Lennard)	10.6 (pt. Surface)

Recreation M.P.A.

M.P.A. 3.3 (Murray Valley)

3.1.2 The P.I. of the Collie mill and Bunnings Dwellingup mill is to be a total of 82,000 m³/year. The P.I. of Collie mill must not exceed 48,000 m³/year of that 82,000 m³/year.

3.1.3 At the expiration of the S.B.S.-H.S.B.S. sale agreement on 30th June, 1982 the permits will be cancelled and licences issued for each of the Dwellingup and Collie mills. The P.I. for the Collie mill will then be 45,000 m³/year.

Further adjustments to the P.I. of this sawmill will be considered in relation to the estimated long term yield along with any small mill log resource that comes available.

- 3.1.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpiles are required:-

by 30.4.1982 10% of P.I. = 4,800 m³
by 30.4.1983 15% of P.I. = 6,750 m³
by 30.4.1984 20% of P.I. = 9,000 m³
by 30.4.1985 25% of P.I. = 11,250 m³

- 3.1.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Coli, Darkan (F.P.(S)L. 1593)

- 3.2.1 The area of State forest and Crown land supplying this mill will be:-

a) Area 4C and Area 4D.

- 3.2.2 The licence will be renewed annually at a P.I. of 5,500 m³/year until 31.12.1982, then reduced to 3,500 m³/year after that date.

- 3.2.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required by 30th April each year:- 25% of P.I. i.e. 1982 1,375 m³ and beyond 875 m³.

- 3.2.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.3 Adelaide Timber Company, Bowelling (F.P.(S)L. 1596)

- 3.3.1 The area of State forest and Crown land supplying this mill will be:-

a) Area 4D. Areas cutover since 1.1.1970 will not be recut by this mill. SMP 683 and 5V.

- 3.3.2 No further Crown land resource will be available for this mill after 31.12.1985. From that date, no further cutting is available on State forest or Crown land and the licence will be cancelled.

3.3.3 The licence will be renewed annually at a P.I. of 5,000 m³/year until 31.12.1982 when it will be reduced to 3,700 m³/year until 31.12.1985 and then the licence will be cancelled.

3.3.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30th April each year 25% of P.I. = 1,375 m³.

3.3.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.4 Piacentini, Picton (S.M.P. 1248)

3.4.1 The area of State forest and Crown land supplying this mill will be:-

a) SMP 1248. Areas cutover since 1.1.1965 will not be recut by this mill.

3.4.2 The resource available to this mill is expected to cut out about 1983-84. Thereafter, no further cutting is available on State forest or Crown land and the permit will be cancelled.

3.4.3 Any cutting outside the permit area must be covered by a letter of authority in accordance with circular letter instruction dated 12.8.1977 reference 852/61. Volumes cut must be counted as part of the P.I.

3.4.4 The permit will be renewed annually at a P.I. of 3,400 m³/year.

3.4.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30th April each year 25% of P.I. = 850 m³.

3.4.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.5 Saunders, Collie (Salvage Mill)

3.5.1 There is no guarantee of life or level of intake from State forest or Crown land to this mill.

3.5.2 Any potential supply of logs to this mill from State forest and Crown land first be offered to Bunnings Collie Mill and refused. Local licences can be issued for both jarrah and sheoak to a level of about 6,000 m³/year. Any salvage volumes coming available beyond that level should preferably be made available to other authorised operators or mills in the region.

- 3.5.3 Sheoak may be cut under local licences from areas programmed for clearing only.
- 3.5.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may have to be carried out to cover this period.
- 3.5.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.6 Private Property Mills

Dillons, Bunbury
Worsley Timber Company, Collie
Borlini, Cordering
Saunders, Muja Sawmill

No licence for State forest or Crown land timber is to be issued to these private property mills except for sawlog material refused by all of the Crown land mills within reasonable proximity.

3.7 Other Mills

The following sawmills are located in Collie Division, but cut in other Divisions:-

Harnett, Roelands - see Harvey Division
Cullities, Picton - see Harvey Division
Southwest Sawmill, Picton - see Busselton Division

3.8 Pine Operations

3.8.1 Wesply, Particleboard Plant, Dardanup

See regional section 7.2.11

Koppers Preservative Treatment Plant, Picton

See regional section 7.2.12

3.8.2 Plantations Within Collie Division

Bingham R. Arboretum
Bussell
Collieburn
Ewington
Mungalup
Stockton
Wellington
Wellington Catchment Reforestation Project

See regional section prescriptions for softwood logs.

3.9 Minor Forest Produce (Wood Products and Other)

See regional section prescriptions for:-

Hardwood logs other than sawlogs (Palmer's pole operations,
Collie. See regional section 7.2.5)
Wildflowers
Honey
Mining (including gravel, sand and stone)
Firewood
(Mining timber for Western Collieries, see regional section
7.2.7)

4. ALLOCATION OF AREAS

- 4A - for Bunnings Collie (SMP's 1537 and 1542).
- 4C - for Colli Darkan (F.P.(S)L. 1593).
- 4D - for Adelaide Timber Company, Bowelling (F.P.(S)L. 1596 and
Colli (Darkan (F.P.(S)L. 1593) after A.T.C. Bowelling has
closed.
- 4H - for Bunnings Collie (SMP's 1537 & 1542).
- 4N - mainly recently cutover - held for future management plans.
- 4R - held for future management plans, possibly involving veneer
logs.
- 4T - mainly recently cutover - held for future management plans.
- 4U - mainly recently cutover - held for future management plans.
- 4V - for Bunnings Collie (SMP's 1537 and 1542)
- 4W - for Bunnings Collie (SMP's 1537 and 1542)
- 4X - mainly recently cutover - held for future management plans.
- 4Y - for Bunnings Collie (SMP's 1537 and 1542)

5. ALLOCATION OF BUFFER AREAS OF M.P.A.'S

Produce may be removed from buffer areas of M.P.A.'s according
to prescriptions, which do not prejudice the management objectives
of the core area.

- M.P.A. 4.1 - for Bunnings Collie (SMP's 1537 and 1542)
- M.P.A. 4.2 - for Bunnings Collie (SMP's 1537 and 1542)
- M.P.A. 4.3 - for Bunnings Collie (SMP's 1537 and 1542)
- M.P.A. 4.4 - held for future management plans - possibly involving
Kirup mills
- M.P.A. 4.6 - mainly recently cutover - held for future management
plans
- M.P.A. 4.7 - mainly recently cutover - held for future management
plans
- M.P.A. 4.8 - for hydrological studies and Bunnings Collie (SMP's
1537 and 1542)
- M.P.S. 4.9 - for hydrological studies and Bunnings Collie (SMP's
1537 and 1542)

6. MANAGEMENT PRIORITY AREAS

The following M.P.A.'s will be managed according to specific
management plans and maintained at Regional Office.

6.1 Conservation of Flora, Fauna and Landscape M.P.A.s

- M.P.A. 4.1 (Trees)
- M.P.A. 4.2 (Lennard)
- M.P.A. 4.3 (Westralia)
- M.P.A. 4.4 (Dardanup)
- M.P.A. 4.5 (Goonac)
- M.P.A. 4.6 (Muja)
- M.P.A. 4.7 (Bennelaking)

6.2 Scientific Study M.P.A.s

- M.P.A. 4.8 (Davis)
- M.P.A. 4.9 (Leach)

6.3 Commercial cutting on core areas of M.P.A.s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

KIRUP DIVISION

<u>TENURE</u>	<u>ha.</u>
Hardwood Forest under F.D. control	114,812
Pine plantation under F.D. control	7,345
Other (mainly private property)	549,843
Total area of Kirup Division	<u>672,000</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 Da Re, Greenbushes - sold to J. Della Agostini.
- 2.2 Whittakers, Greenbushes - S.M.P. 1397 cancelled 1.1.1978.
- 2.3 Lewis and Stirk's Kirup Mill was purchased by Whittakers and F.P.(S)L. 1606 transferred to them.
- 2.4 Independent Forestry Services (formerly South West Pine Products), Hester is now a pine rounds treatment plant.
- 2.5 Forests Department Sawmill, Grimwade - sold to Softwood Products, March, 1978.

PRESCRIPTIONS FOR EACH MILL TO DECEMBER, 1986

- 3.1 Adelaide Timber Company, Wilga (S.M.P. 683)
 - 3.1.1 The area of State forest and Crown land supplying this mill will be:-
 - a) S.M.P. 683
 - b) Area 5V
 - 3.1.2 The P.I. will be $6,800 \text{ m}^3/\text{year}$ until 31.12.1982 when it will be reduced to $4,000 \text{ m}^3/\text{year}$ to 31.12.1985.³ After that date the P.I. will be increased to $5,000 \text{ m}^3/\text{year}$.
 - 3.1.3 Consideration will be given to transferring this permit to a licence (F.P.(S)L.).
 - 3.1.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. The following minimum stockpile is required:-

by 30th April each year 50% of P.I. = $2,500 \text{ m}^3$
 - 3.1.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Whittakers, Greenbushes Mill (F.P.(S)L. 1617)

3.2.1 The area of State forest and Crown land supplying this mill will be:-

- a) As specified under Walpole Division i.e. Areas 13F76, 13K76, 13P, 13U, 13X and 13Z81. Operations in Kirup Division will be in area 5A.
- b) This mill may also accept logs from Whittakers Kirup mill operations, subject to approval of the Conservator of Forests on each occasion.

3.2.2 P.I. for this mill will be 25,180 m³/year karri, 16,340 m³/year jarrah and tingle, a total of 41,520 m³/year until 31st December, 1986. After that date the P.I. will be 21,580 m³/year karri and 19,940 m³/year of jarrah and tingle.

3.2.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. The stockpile should contain enough saw-logs to sustain 3 months sawmilling by 30th April each year.

3.2.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.3 Whittakers, Kirup Mill (F.P.(S)L. 1606)

3.3.1 The area of State forest and Crown land supplying this mill will be:-

- a) Areas 5B, 5T, 5X and Upper Capel Block shared with Preston Timber Company and Meotti and Foppoli.
- b) Buffer areas of M.P.A. 5.4 (Mullalyup).

3.3.2 The licence will be renewed annually at a P.I. of 9,600 m³/year for the period of this plan.

3.3.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30th April each year 50% of P.I. = 4,800 m³

3.3.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.4 Preston Timber Company, Donnybrook (F.P.(S)L. 1610)

3.4.1 The area of State forest and Crown land supplying this mill will be:-

- a) Area 5E and Maryvale Block (both shared with Meotti and Foppoli F.P.(S)L. 1614) and Upper Capel Block (shared with Meotti and Foppoli and Whittakers, Kirup F.P.(S)L. 1606). At a later date part of Donnybrook Block (currently quarantined) may be made available.
 - b) Buffer area of M.P.A. 4.4 (Dardanup) may be made available at a later date.
- 3.4.2 The licence will be renewed annually at a P.I. of 6,370 m³/year for the period of this plan.
- 3.4.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage. The stockpile should contain enough saw-logs to sustain 3 months sawmilling by 30th April each year.
- 3.4.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.
- 3.5 Meotti and Foppoli, Argyle (F.P.(S)L. 1614)
- 3.5.1 The area of State forest and Crown land supplying this mill will be:-
- a) Area 5E and Maryvale Block (both shared with Preston Timber Company F.P.(S)L. 1610) and Upper Capel Block (shared with Preston Timber Co. and Whittakers, Kirup F.P.(S)L. 1606).
- 3.5.2 P.I. to be 5,268 m³/year until 31.12.1982 when the licence will be cancelled. No further Crown land resource will be made available for this mill after 31.12.1982.
- 3.5.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.
- The following minimum stockpile is required by 30th April, 1982 - 50% of P.I. = 2,600 m³.
- 3.5.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.
- 3.6 J. Potter, Balingup
- 3.6.1 Licences for hardwood timber from State forest or Crown land are not to be issued to this private property mill except for sawlog material from clearing operations refused by all of the Crown land mills in reasonable proximity.

- 3.6.2 Pine logs may be purchased on a cash sale basis provided they are first refused by Softwood Products or Wharncliffe.
- 3.6.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to cover this period.
- 3.6.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.7 Amalgamated Timber Products, Yornup

- 3.7.1 There is no guarantee of life or level of intake from State forest or Crown land to this mill.
- 3.7.2 However, salvage material may be made available in Kirup Division and the Sunklands and Southern Region under local licences, provided the resource has been offered first to the relevant Head Office licence or permit holder and refused.
- 3.7.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to cover this period.
- 3.7.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.
- 3.7.5 See also Manjimup Division.

3.8 Private Property Mills

Bedford Bros., Brookhampton
Bowers, Qualeup
Boyup Brook Sawmills
Brindale and Shepherd, Greenbushes
Manolini, Yeriminup (nr. Kojonup)

Licences for State forest or Crown land timber are not to be issued to these private property mills except for sawlog material refused by all Crown land mills in reasonable proximity.

3.9 Other Mills

Tomasi, Cundinup - see Nannup Division

Cullities, Picton - see Harvey Division

3.10 Pine Operations

3.10.1 Softwood Products, Grimwade

See regional section 7.2.10

3.10.2 Independent Forestry Services, Hester, Treatment Plant

See regional section 7.2.10.

3.10.3 Plantations Within Kirup Division

Balingup

Claymore

Ferndale

Grimwade

Kelly

Savage Creek

Southampton

Thompson Brook

See regional section prescriptions for softwood logging.

3.11 Minor Forest Produce (Wood Products and Other)

See regional section prescriptions for:-

Hardwood logs other than sawlogs:-

Baileys Bridge Timber Operations - see regional section 7.2.4

Aramini Pole Operations - see regional section 7.2.5

Firewood

Wildflowers

Honey

Mining (including gravel, sand and stone)

ALLOCATION OF AREAS

5A for Whittakers Greenbushes (F.P.(S)L. 1617)

5B for Whittakers Kirup (F.P.(S)L. 1606)

5D reserved for future management plans

5E shared by Preston T. Company (F.P.(S)L. 1610) and Meotti and Foppoli (F.P.(S)L. 1614)

5F mainly recently cut over - reserved for future management plans

5T for Whittakers, Kirup (F.P.(S)L. 1606)

5U mainly recently cut over, reserved for future management plans

5V for Adelaide Timber Company, Wilga (SMP683)

5X for Whittakers, Kirup (F.P.(S)L. 1606)

5Z for cutting by G.P. mill in the future. At present planned to be Whittakers (F.P.(S)L. 1617)

Harrington Block - for Millars, Jarrahwood (F.P.(S)L. 1634)

Upper Capel Block - shared by Meotti & Foppoli (F.P.(S)L. 1614),

Whittakers (F.P.(S)L. 1606) Kirup and Preston T. Company (F.P.(S)L. 1610)

Donnybrook Block - reserved for future management plans possibly involving Preston Timber Company
Maryvale Block - for Preston T. Co. (F.P.(S)L. 1610) and Meotti and Foppoli (F.P.(S)L. 1614)

5. ALLOCATION OF BUFFER AREAS OF M.P.A.'S

Produce may be removed from buffer areas of M.P.A.'s according to prescriptions, which do not prejudice the management objectives of the core area.

M.P.A. 5.1) mainly recently cut over - reserved for future management
M.P.A. 5.2) plans

M.P.A. 5.4 for Whittakers, Kirup (F.P.(S)L. 1606)

6. MANAGEMENT PRIORITY AREAS

The following M.P.A.'s will be managed according to specific management plans and maintained at Regional Office.

Conservation of Flora, Fauna and Landscape M.P.A.'s

M.P.A. 5.1 Preston
M.P.A. 5.2 Noggerup
M.P.A. 5.4 Mullalyup
M.P.A. 5.5 Greenbushes
M.P.A. 5.6 Nollajup

Commercial cutting on core areas of M.P.A.'s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

BUSSELTON DIVISION

TENURE

	<u>ha.</u>
Hardwood forest under F.D. control	129,157
Pine plantation under F.D. control (nett)	4,182
Other (mainly private property)	260,911
Total area of Busselton Division	<u>394,250</u>

CHANGES SINCE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 F.P.(S)L. 1589, Millars Busselton cancelled 31.12.1978
- 2.2 S.M.P. 1271, Millars Jarrahwood cancelled 31.12.1978 and replaced by F.P.(S)L. 1634
- 2.3 Hart, Warner Glen - mill closed
- 2.4 Trigwell and Ward, Rosa Brook, closed
- 2.5 Forests Department's sawmill, Margaret River - sold to Wharncliffe, March, 1978

PRESCRIPTIONS FOR EACH HARDWOOD SAWMILL TO DECEMBER, 1986

3.1 Millars Jarrahwood Mill (F.P.(S)L. 1634)

- 3.1.1 The area of State forest and Crown land supplying this mill will be:-
 - a) Areas 1Z, 1H and Harrington Block
 - b) Buffer area of M.P.A. 1.1 (Whicher)
- 3.1.2 The licence will be renewed annually at a P.I. of 24,000 m³/year until 31.12.1984. After that date it will be reduced to 18,000 m³/year for the period of this plan.
- 3.1.3 This mill is required to utilise hardwood sawlogs from Sunklands pine plantation areas from its own and Millars Nannup areas. Millars Jarrahwood may cut on Nannup areas and vice versa.
- 3.1.4 Consideration will be given to rationalising the two royalties for this licence.
- 3.1.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.
- 3.1.6 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30.4.1982 15% of P.I. = 3,600 m³
by 30.4.1983 20% of P.I. = 4,800 m³
by 30.4.1984 25% of P.I. = 6,000 m³
each following year
25% of P.I. = 4,500 m³

3.2 Adelaide Timber Company, East Witchcliffe (S.M.P. 745)

3.2.1 The area of State forest and Crown land supplying this mill will be:-

- a) S.M.P. 745
- b) Areas 1D76, 1T, 1U76, Forest Grove Block, 12X (excluding Kingia flats area)
- c) Buffer areas of M.P.A. 12.4 (Blackwood River): in Schroeder Block - between Great North Road and Few Road
Adelaide Block - west of Few Road
in Layman Block - south of Denny Road

3.2.2 This mill is to assist in utilisation of hardwood sawlogs from Sunklands pine plantation areas.

3.2.3 The permit will be renewed annually at a P.I. of 10,200 m³/year for the period of this plan.

3.2.4 Consideration will be given to cancelling the permit and replacing it with a Head Office licence (F.P.(S)L.).

3.2.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2.6 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile will be required:-

by 30th April each year 50% of P.I. = 5,100 m³/year.

3.3 Power, Busselton (F.P. (S)L. 1560)

3.3.1 The areas of State forest and Crown land supplying this mill will be:-

- a) Areas 1C76, 1E76, 1N76, 12Y and 1V. In addition the following areas are shared with Reilly:- 1F76 and 1L.
- b) Buffer areas of M.P.A.'s:- M.P.A. 1.2 (Mowen) - east of Great North Road; M.P.A. 1.7 (Rapids) - in Treeton Block, shared with Reilly; M.P.A. 12.4 (Blackwood River) - in Schroeder Block between Posse Road and Sues Road; in Adelaide Block - between the southern extension of Adelaide Road and Sues Road.

- 3.3.2 The licence will be renewed annually at a P.I. of 10,200 m³/year for the period of this plan.
- 3.3.3 The resource available to this mill is expected to cut out early in the next plan period. Thereafter, no further cutting is available on State forest or Crown land and the licence will be cancelled.
- 3.3.4 This mill is to assist in utilisation of hardwood sawlogs from Sunklands pine plantation areas.
- 3.3.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30th April each year 50% of P.I. = 5,100 m³/year.

- 3.3.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.4 Reilly, Busselton (F.P.(S)L. 1561)

- 3.4.1 The areas of State forest and Crown land supplying this mill will be:-
 - a) Areas 1B76, 1J, 1P and 1W. In addition the following areas are shared with Power; 1F76 and 1L.
 - b) Buffer areas of M.P.A. 1.7 (Rapids) in Treeton Block shared with Power; M.P.A. 12.4 (Blackwood River) - in Schroeder Block - between Few Road and Posse Road; in Adelaide Block between Few Road and the southern extension of Adelaide Road.
- 3.4.2 The licence will be renewed annually at a P.I. of 10,200 m³/year for the period of this plan.
- 3.4.3 The resource available to this mill is expected to cut out early in the next plan period. Thereafter, no further cutting is available on State forest or Crown land and the licence will be cancelled.
- 3.4.4 This mill is to assist in the utilisation of hardwood sawlogs from Sunklands pine plantation areas.
- 3.4.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30th April each year 50% of P.I. = 5,100 m³/year.

- 3.4.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.5 Worsley Timber Company, Margaret River (F.P.(S)L. 1598)

3.5.1 The area of State forest and Crown land supplying this mill will be:-

- a) Areas 1G76 and 1S.
- b) Buffer areas of M.P.A. 1.2 (Mowen) west of Great North Road and M.P.A. 1.7 (Rapids) that part in Rapids Block.

3.5.2 The licence will be renewed annually at a P.I. of 9,180 m³/year for the period of this plan.

3.5.3 This mill is to assist in the utilisation of hardwood sawlogs from Sunklands pine plantation areas.

3.5.4 The resource available to this mill is expected to cut out early in the next plan period. Thereafter, no further cutting is available on State forest or Crown land and the licence will be cancelled.

3.5.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30th April each year 50% of P.I. = 4,600 m³/year.

3.5.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.6 Southwest Sawmills, Picton (F.P.(S)L. 1549)

3.6.1 The area of State forest and Crown land supplying this mill will be:-

- a) Happy Valley Block.
- b) Some salvage cutting may be possible behind Millars Jarrahwood or Nannup operations.

3.6.2 The licence will be renewed annually at a P.I. of 4,250 m³/year.

3.6.3 Happy Valley Block is expected to be cut out by about the mid point of the plan period. The licence will then be cancelled and there will be no guarantee of life or level of intake from Crown land.

3.6.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30th April each year 50% of P.I. = $2,100 \text{ m}^3/\text{year}$

3.6.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.7 Bunnings, Warner Glen (F.P.(S)L. 1611)

3.7.1 The area of State forest and Crown land supplying this mill will be:- Area 1K76.

3.7.2 P.I. to be $5,750 \text{ m}^3/\text{year}$.

3.7.3 The resource available to this mill is expected to cut out in early 1982. Thereafter, no cutting is available on State forest or Crown land and the licence will be cancelled.

3.7.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpile is required:-

by 30th April each year 50% of P.I. = $2,900 \text{ m}^3/\text{year}$.

3.8 Bellanger F.E. North Dandalup (F.P.(S)L. 1616) Sheoak Mill

3.8.1 Small mills are situated in Dwellingup and Busselton Divisions. Some sheoak cutting under F.P.(S)L. 1616 occurs in the Sunklands.

3.8.2 There is no guarantee of life on State forest or Crown land for this sheoak mill.

3.8.3 As long as viable supplies are available this mill may continue to cut sheoak, only on areas to be cleared for mining, pine establishment or other areas nominated by the Department.

3.9 Private Property Mills

J. House, Yallingup
Mammonie, Metricup
Millars, Alexandra Bridge
Pallandri, Cowaramup
G. Reynolds, Busselton
Wells, Osmington

Licences for State forest and Crown land timber are not to be issued to any of these private property mills except for sawlog material refused by all of the Crown land mills in reasonable proximity.

3.10 Other Mills

Moniers, Busselton - see Pemberton Division
Cullity's, Picton - see Harvey Division

3.11 Pine Operations

3.11.1 Wharncliffe's pine mill, Margaret River - see Regional section 7.2.10 for the prescription of this mill.

3.11.2 Proposed plantation development in Sunklands will consist of the following plantations in Busselton Division:-

Baudin	Milesi
Chapman	Molloy Plots 1,2,3&4
Eastman	Nunn
Harris	Shedley
Jarrahowood	St Paul
Ludlow	Vasse
Margaret	Willcock

See regional section prescriptions for softwood logs.

3.12 Minor Forest Produce (Wood Products and Others)

See regional section prescriptions for:-

Hardwood logs other than sawlogs
Wildflowers
Honey
Mining (including gravel, sand and stone)
Firewood

4. ALLOCATION OF AREAS

1B76 - for Reilly Busselton (F.P.(S)L. 1561)
1C76 - for Power Busselton (F.P.(S)L. 1560)
1D76 - for Adelaide Timber Co. Witchcliffe (SMP 745)
1E76 - for Power Busselton (F.P.(S)L. 1560)
1F76 - shared by Power (F.P.(S)L. 1560) & Reilly (F.P.(S)L. 1561)
1G76 - for Worsley Timber Co. Margaret River (F.P.(S)L. 1598)
1H - for Millars Jarrahowood (F.P.(S)L. 1634)
1J - for Reilly Busselton (F.P.(S)L. 1561)
1K76 - for Bunnings Warner Glen (F.P.(S)L. 1611)
1L - shared by Power (F.P.(S)L. 1560) & Reilly (F.P.(S)L. 1561)
1N76 - for Power Busselton (F.P.(S)L. 1560)
1P - for Reilly Busselton (F.P.(S)L. 1561)
1S - for Worsley Timber Co. Margaret River (F.P.(S)L. 1598)
1T - for Adelaide Timber Co. Witchcliffe (SMP 745)
1U76 - for Adelaide Timber Co. Witchcliffe (SMP 745)
1V - for Power Busselton (F.P.(S)L. 1560)
1W - for Reilly Busselton (F.P.(S)L. 1561)
1Z - for Millars Jarrahowood (F.P.(S)L. 1634)
Forest Grove Block - for Adelaide Timber Co. Witchcliffe (SMP 745)
Happy Valley Block - for Southwest Sawmills Picton (F.P.(S)L. 1549)
Maryvale Block - for Preston Timber Co. (F.P.(S)L. 1610) Meotti & Foppoli (F.P.(S) L. 1614)
Yelverton Block - reserved for future management plans

ALLOCATION OF BUFFER AREAS OF M.P.A.'S

Produce may be removed from buffer areas of M.P.A.'s according to prescriptions, which do not prejudice the management objectives of the core area.

- M.P.A. 1.1 - for Millars Jarrahwood (F.P.(S)L. 1634)
- M.P.A. 1.2 - west of Great North Road for Worsley Timber Co. (F.P.(S)L. 1598)
Margaret River, east of Great North Road for Power Busselton (F.P.(S)L. 1560)
- M.P.A. 1.4 - reserved for future management plans
- M.P.A. 1.5 - reserved for future management plans
- M.P.A. 1.7 - in Rapids Block for Worsley Timber Co. Margaret River (F.P.(S)L. 1598)
in Treeton Block shared between Power (F.P.(S)L. 1560) and Reilly (F.P.(S)L. 1561)
- M.P.A. 12.4 - in Chapman Block for Adelaide Timber Co. Witchcliffe (SMP 745)
- M.P.A. 12.4 - in Schroeder Block west of Great North Road - reserved for future management plans; between Great North Road and Few Road to Adelaide Timber Co. Witchcliffe (SMP 745); between Few Road and Posse Road to Reilly Busselton (F.P.(S)L. 1561); between Posse Road and Sues Road to Power Busselton (F.P.(S)L. 1560)
- M.P.A. 12.4 - in Adelaide Block west of Few Road for Adelaide Timber Co. Witchcliffe (SMP 745) between Few Road and southern extension of Adelaide Road for Reilly Busselton; between southern extension of Adelaide Road and Sues Road for Power Busselton (F.P.(S)L. 1560)

MANAGEMENT PRIORITY AREAS

The following M.P.A.'s will be managed according to specific management plans and maintained at Regional Office.

6.1 Conservation of Flora, Fauna and Landscape M.P.A.'s

- M.P.A. 1.1 Whicher
- M.P.A. 1.2 Mowen
- M.P.A. 1.3 Chester
- M.P.A. 1.4 Paget
- M.P.A. 1.5 Boranup
- M.P.A. 1.6 Ludlow

6.2 Recreation M.P.A.

- M.P.A. 1.7 Rapids

Commercial cutting on core areas of M.P.A.'s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

NANNUP DIVISION

<u>TENURE</u>	<u>ha.</u>
Hardwood forest under F.D. control	180,815
Pine plantation under F.D. control (nett)	6,776
Other (mainly private property)	75,159
Total area of Nannup Division	<u>262,750</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

2.1 Millars Carey Brook mill closed in 1977.

PRESCRIPTIONS FOR EACH MILL TO DECEMBER, 1986

3.1 Millars, Nannup (S.M.P. 1245)

3.1.1 The area of State forest and Crown land supplying this mill will be:-

a) S.M.P. 1245 excluding core areas of conservation M.P.A.'s:-

M.P.A. 12.1 (Dalgarp)
M.P.A. 12.3 (Milyeannup)

and recreation M.P.A.: -

M.P.A. 12.4 (Blackwood River)

b) Areas 12A76, 12C76, 12D, 12E76, 12H, 12J and 12K.

c) Buffer areas of M.P.A.'s.

M.P.A. 12.1

M.P.A. 12.4 (part) i.e. with Ballan, Blackwood, Darradup, Sollya, Red Gully, Helms and Jalbarragup forest blocks.

3.1.2 The permit will be renewed annually at a P.I. of 44,600 m³/year for the period of this plan. The annex mill may cut up to 5,000 m³/year until 31.12.1983 when it will close.

3.1.3 Further adjustments to the P.I. of this sawmill will be considered in relation to the estimated long term yield along with any small mill log resource that comes available.

3.1.4 Consideration will be given to transferring this permit to a licence during the plan period.

3.1.5 This mill will be required to assist in utilisation of hardwood sawlogs from Sunklands pine plantation areas from its own and Millars Jarrahwood areas. Millars Nannup may cut on Jarrahwood areas and vice versa.

- 3.1.6 Until such time as the permit is transferred to a licence, any cutting outside the permit area must be covered by a letter of authority in accordance with instructions as set out in circular letter dated 12th August, 1977, reference 852/61. Volumes removed to be counted as part of the P.I.
- 3.1.7 Consideration will be given to rationalising the three royalties in area 12J and 2 royalties in area 12K.
- 3.1.8 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The following minimum stockpiles are required:-

by 30.4.1982	15% of P.I. = 7,500 m ³
by 30.4.1983	20% of P.I. = 10,000 m ³
by 30.4.1984 and beyond	25% of P.I. = 11,000 m ³

- 3.1.9 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Tomasi's Cundinup Mill

- 3.2.1 No guarantee of life or level of intake from State forest and Crown land can be given to this private property mill.
- 3.2.2 Dieback areas N.U.P. in Nannup Division and salvage lots in Nannup, Kirup and Busselton Divisions may be available to this mill under local licences.
- 3.2.3 Local licences can be issued to a level of about 2,500 m³/year. Any salvage volumes coming available beyond that level should preferably be made available to other authorised operators or mills in the region.
- 3.2.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to cover this period.
- 3.2.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.3 Jensen's Nannup Mill

Small quantities of Pinaster pine logs can be made available under a Forest Produce Licence.

3.4 Other Mills

Cullities, Picton - see Harvey Division.

Amalgamated Timber Products, Yornup - see Kirup Division.

PINE OPERATIONS

Plantations Within Nannup Division:-

Brockman
Dalgarp
Ellis
Folly
Lewana
Milward
Nelson
Shelley

See regional section for prescriptions on softwood logging.

MINOR FOREST PRODUCE (WOOD PRODUCTS AND OTHERS)

See regional section prescriptions for:-

Hardwood logs other than sawlogs
Wildflowers
Honey
Mining (including gravel, sand and stone)
Firewood

ALLOCATION OF AREAS

12A76 - for Millars Nannup (SMP 1245)
12C76 - for Millars Nannup (SMP 1245)
12D - for Millars Nannup (SMP 1245)
12E76 - for Millars Nannup (SMP 1245)
12H - for Millars Nannup (SMP 1245)
12J - for Millars Nannup (SMP 1245)
12K - for Millars Nannup (SMP 1245)
12X - for Adelaide Timber Company Witchcliffe (excluding Kingia
Flats) (SMP 745)
12Y - for Power Busselton (F.P.(S)L. 1560)
Central Block - reserved for future management plans

ALLOCATION OF BUFFER AREAS OF M.P.A.'S

Produce may be removed from buffer areas of M.P.A.'s according to prescriptions which do not prejudice the management objectives of the core area.

M.P.A. 12.4 - in Layman Block for Adelaide Timber Company, Witchcliffe
(SMP 745)
- in Ballan, Blackwood, Darradup, Sollya, Red Gully, Helms
and Jalbarragup Blocks for Millars Nannup (SMP 1245)
M.P.A. 12.1 - for Millars Nannup (SMP 1245)

MANAGEMENT PRIORITY AREAS

The following M.P.A.'s will be managed according to specific management plans and maintained at Regional Office.

8.1 Conservation of Flora, Fauna and Landscape M.P.A.'s

- M.P.A. 12.1 (Dalgarp)
- M.P.A. 12.2 (St John Brook)
- M.P.A. 12.3 (Milyeannup)

8.2 Recreation M.P.A.

- M.P.A. 12.4 (Blackwood River)

- 8.3 Commercial cutting in-core areas of M.P.A.'s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

GENERAL PRESCRIPTIONS FOR THE WHOLE SOUTHERN REGION

1. <u>TENURE</u>	<u>ha.</u>
Hardwood forest under F.D. control	626,830
Pine plantation under F.D. control	985
Other (mainly private property)	1,015,038
Total area of the Southern Region	<u>1,642,853</u>

2. ADMINISTRATIVE DIVISIONS

The Southern Region comprises the following three Divisions:-

Manjimup
Pemberton
Walpole

See below for detailed prescriptions by Divisions.

3. LAND USE

3.1 A Land Use Management Plan (LUMP) has been drawn up allocating each part of the Southern Region to one or more of the management priorities listed below:-

- a) Catchment protection
- b) Water production
- c) Recreation
- d) Timber production
- e) Scientific
- f) Conservation of flora and fauna
- g) Road, river and stream reserves

The following activities and land uses are also covered:-

- h) Mining (followed by recreation, water production, timber production, catchment protection, etc.)
- i) Pine plantations
- j) Water storage

3.2 For each primary land use, secondary uses (largely compatible with primary land use) and tertiary uses (permitted only as long as there is no permanent interference or significant harm to the primary use) have been specified.

4. MANAGEMENT PLANS FOR PRIORITY AREAS

4.1 Management plans will be drawn up for the following priority areas:-

4.1.1 Flora, Fauna and Landscape Priority Areas

- | | | | |
|------|-------------|------|--------------------|
| 6.1 | Perup | 11.6 | Curtin |
| 6.7 | Strickland | 13.1 | Lower Shannon |
| 11.1 | Hawke-Treen | 13.2 | Wattle |
| 11.2 | Dombakup | 13.3 | Johnston-O'Donnell |
| 11.4 | Boorara | 13.4 | Mitchell-Crossing |
| 11.5 | Muirillup | 13.5 | Soho |

4.1.2 Scientific Study Priority Areas

6.2	Warrup	6.10	Lindsay
6.4	Lewin	11.7	Sutton
6.6	Iffley		

4.1.3 Recreation Priority Areas

6.3	One Tree Bridge	11.3	Brockman
		13.6	Mt Frankland

4.2 Utilisation of Forest Products

Commercial cutting, wildflower picking, mining or apiary sites will not be permitted in core areas of the above M.P.A.s as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of a core area, limited cutting may be authorised to facilitate satisfactory regeneration.

PRODUCTS FROM THE FOREST

5.1 Water

See GWP 87 Part 1 for policy and strategy for water protection and also Section 7.1 below.

5.2 Wood

Wood products currently harvested include:-

- Hardwood Sawlogs
- Hardwood Chiplogs
- Hardwood Firewood
- Hardwood Piles and Bridge Timber
- Hardwood Poles
- Hardwood Fence Posts, Strainers, Rails
- Mining Timber
- Veneer Logs
- Other Wood Products (bean sticks, stakes, etc.)
- Softwood Mill Logs (including case logs) and Peelers
- Softwood Particleboard logs
- Softwood Pine Rounds

Included under this heading are by-products such as bark, sawdust, branches, etc.

5.3 Wildflowers

Numerous species are involved of which Boronia is currently the most important. Included under this heading are nuts, fruits, seeds, stems, roots and leaves.

5.4 Honey

Numerous apiarists operate within the region.

5.5 Mining

Included under this heading is mining for bauxite, coal, tin, ilmenite, mineral sands, etc. as well as sand, gravel and stone.

QUARANTINE

A large proportion of the region has been quarantined since 16.12.1977 to give time:-

- a) for dieback symptoms to express themselves;
- b) to develop accurate dieback mapping techniques;
- c) to develop and test hygienic methods of operation.

Sufficient time has elapsed for dieback symptoms to express themselves and accurate dieback mapping techniques are now available. Some quarantined areas in this region have been mapped for dieback and it is intended to have one or more quarantine logging trials in some of these areas to develop and test hygienic methods of operation, with a view to applying them operationally.

REGULATION OF THE HARVEST

7.1 Water

The Forests Department responsibility is to manage the catchments which occur on State forest in accordance with the reasonable requirements of the water supply authorities. For further details see Part 1 of this G.W.P. and the LUMP.

7.2 Wood

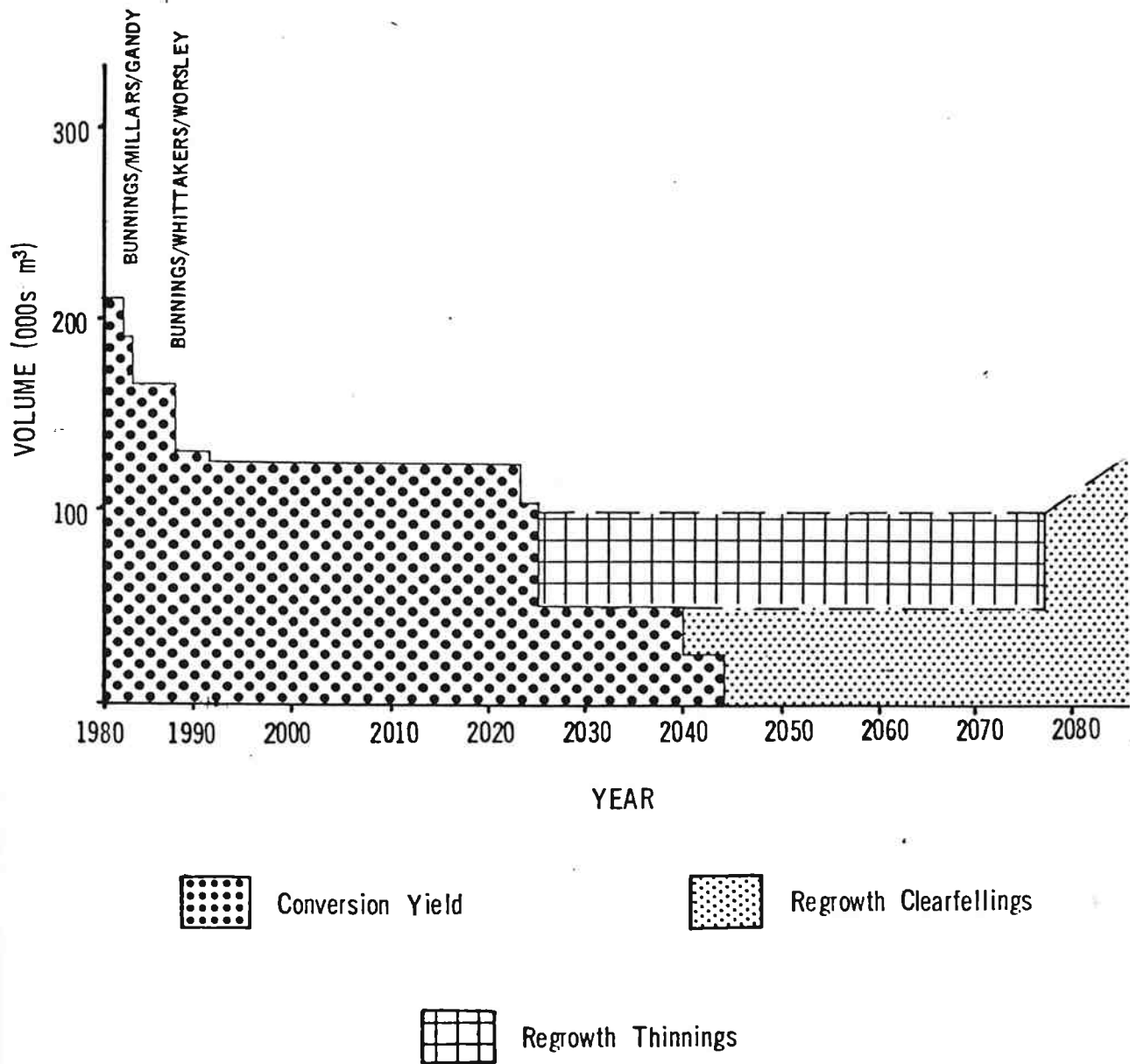
The wood production policies and strategies for hardwoods and softwoods stated in Part 1 of this G.W.P. provide the background conditions for regulating all operations discussed below. Quantities to be removed and procedures required are specified in various licences, permits or agreements under the Forests Act or Regulations or other Acts or Regulations. The plan for the Southern Region has been written on the assumption that the Shannon Basin resource is available. If this resource is not available the consequences to the industry will be very serious and this plan cannot operate. A new plan would then have to be constructed.

7.2.1 Hardwood Sawlogs

The overall thrust is towards a reduction in the hardwood cut, integrated with a corresponding introduction of softwood as it becomes available.

No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. In karri operations, or other operations free of P.C. no logging will be permitted under conditions allowing irreparable soil damage to occur. Generally this will be from 1st June to 1st November. Stockpiling will be necessary to maintain supplies when conditions allow P.C. to be spread or irreparable soil damage to occur. See detailed prescriptions for each Division. Long term karri yields have been determined to ensure a continuous supply of hardwood sawlog into the next century (see karri graph). Similar yield projections will be made for jarrah during the period of this plan.

PROJECTED KARRI SAWLOG YIELD - based on G.W.P. 87 and proposed cut beyond 1991



7.2.2 Bunnings Sawmilling Proposals

Bunnings and the Forests Department are aware that with the changing allotment of the resource that a high degree of flexibility is required to enable plans to become operative. On the one hand Bunnings require to rationalise inputs to mills to maximise their return for each species as well as in overall terms. On the other the Department requires great flexibility in allotting resources from respective areas to the best advantage of the forest.

Therefore notwithstanding the provisions for each permit or licence for Bunnings written in this plan due consideration will be given to alter any or all of these always providing that the total intake for any year for each of the species does not exceed that contained in the following table.

	1981	1982	1983 - 1988	July 1988 to Dec. 1991	1992 Onwards
Jarrah	112,300	127,650	143,000	131,700	81,000
Karri	143,860	124,430	105,000	81,300	81,300
TOTAL	256,160	252,080	248,000	213,000	162,300

The retention of a sawmill located at Walpole is seen as highly desirable for social and strategic reasons and in negotiations with the Company in respect of where they cut their allotment this requirement will receive priority.

If as a result of detailed inventory data it is found that sufficient resource is available, Bunnings are to have access to 30,000 - 50,000 m³/year of small mill logs. This resource can be in any species and will come from the immature component of regenerated stands or from logs currently too small for current utilisation standards in areas being regenerated.

7.2.3 Hardwood Chiplogs

F.P.L. (Chipwood) No. 1588 held by W.A.C.A.P. is within this region. The approved P.I. is 680,000 tonnes/year. Wherever possible chip logging will be integrated with sawlogging and will be carried out within the constraints outlined in the E.I.S. for Woodchipping and as set down for the protection of regrowth forest from fire.

7.2.4 Hardwood Firewood

7.2.4.1 Domestic and Brickyard Licences

Adequate supplies will be provided within reasonable distances of these markets.

7.2.4.2 Other Operators

A further large resource of firewood is available if market conditions are favourable.

7.2.4.3 Chipwood

Part of the green firewood resource is suitable for use as chipwood and will be used as chipwood if there is a market.

7.2.4.4 No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

7.2.5 Hardwood Piles and Bridge Timber

7.2.5.1 The requirements of government departments and local government will continue to be met whilst supplies are available.

7.2.5.2 No logging will be permitted under conditions allowing Phytophthora cinnamomi to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

7.2.5.3 Licences will only be supplied to contractors nominated by the authority concerned and approved by the Forests Department.

7.2.6 Hardwood Poles

7.2.6.1 Poles of 11 metres and above will be supplied only to the S.E.C. and via approved contractors. Smaller poles will be made available under licence.

Except that any poles, on areas programmed for clearing, that have been refused by the S.E.C. contractor or reject poles from any source may be offered for sale to other markets.

7.2.6.2 There will be no winter snagging and carting of poles (apart from approved stockpiles) except from dieback areas or areas being cut over for sawlogs in winter.

Winter generally encompasses the wet months from 1st April.

7.2.6.3 The S.E.C. demand for poles will be met within the above constraints subject to supplies of the relevant size classes being available.

7.2.6.4 Utilisation of other species by the S.E.C. is to be encouraged.

7.2.7 Hardwood Fenceposts, Strainers, Rails, etc.

Material suitable for fencing requirements will be made available from logs unsuitable for sawmilling, providing it is not a silvicultural disadvantage to remove the trees required and that the risk of dieback spread is no greater than in a sawlog operation.

There will be no winter operations during the wet months except from dieback areas or areas being cutover for sawlogs or being cleared for pine plantation, mining, etc.

Requests for supplies will be directed firstly to areas to be cleared, secondly to dieback areas, thirdly to dieback free areas recently cutover and to timber for settlers reserves as last priority.

7.2.8 Hardwood Veneer and Peeler Logs

Provision will be made for the supply of hardwood veneer and peeler logs.

7.2.9 Other Hardwood Products (Bean Sticks, Stakes, etc.)

Material will be made available from trees unsuitable for sawmilling, providing it is not a silvicultural disadvantage to remove the trees required and that the risk of dieback spread is no greater than in a sawlog operation. There will be no winter operations (generally April to November) except from dieback areas or areas being cutover for sawlogs.

7.2.10 Softwood Logs

7.2.10.1 General

Currently there is only a market for pine mill logs and case logs produced from Southern Region Plantations. There is a small resource of small pine logs for either a particleboard, chip log or pine rounds market and if the market situation changes during the period of this plan the potential to match resource availability with market opportunities will be investigated and implemented where possible.

7.2.10.2 Pine Sales

The Forests Department will deliver pine logs from the forest to the purchaser under contract of sale. The prime reason for this is to enable the Department to maintain proper control in the forest and to ensure the production of product-classes is maximised. Such

operations will normally be carried out by contractors to the Department. In the Southern Region the principal contractor is G.T. & B.Y. Ryan, who won the contract by open tender.

7.3 Wildflowers

Seeds, plants and plant parts will be supplied from State forest according to the demand where this does not conflict with the distribution and perpetuation of the species or the major land use objectives, or the requirements of the Wildlife Conservation Act.

Wildflower picking will not be permitted in the core areas of Conservation M.P.A.'s, within 100 metres of any road used by the public or in quarantine areas.

7.4 Honey

The present level of beekeeping in State forest will be maintained with due regard to location of apiary sites at appropriate intervals to avoid transference of disease and conflict with major land use objectives.

Where possible apiary sites will be relocated outside quarantine areas and the core areas of Conservation M.P.A.'s.

7.5 Mining

7.5.1 The objective is to guide mining operations on to areas where there will be least conflict with other land uses, to minimise environmental damage and to rehabilitate areas affected by mining to best suit future land use. Mining should not take place in the core areas of Conservation M.P.A.'s or in quarantine areas.

7.5.2 Gravel, Stone and Sand

Gravel, stone and sand will be provided for government and semi-government authorities where there is no reasonable alternative supply and where the supply will not result in the spread of dieback or prejudice amenity values. Supplies will not generally be made available to private contractors who will be expected to use private sources.

Removals will be controlled by the existing system of licences and leases.

Pits will be located where they will not be in view from public roads and rehabilitated when worked out, relevant earthworks to be carried out by or at the expense of the licence or lease holder.

MANJIMUP DIVISION

<u>TENURE</u>	<u>ha.</u>
Hardwood forest under F.D. control	279,390
Pine plantation under F.D. control	321
Other (mainly private property)	236,882
Total for Manjimup Division	<u>516,593</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 S.M.P. 677, Bunnings, Donnelly River, cancelled 30.6.1978. The remaining resource was placed under reservation for S.M.P. 1543 (Bunnings, Deanmill).
- 2.2 S.M.P. 1192, Bunnings, Nyamup, cancelled and replaced with F.P.(S)L. 1632 on 1.7.1978.
- 2.3 S.M.P. 1328, Bunnings, Tone River, cancelled 31.12.1978. The remaining resource was placed under reservation for F.P.(S)L. 1632 (Bunnings, Nyamup).
- 2.4 S.M.P. 1330, Millars, Boyup Brook, cancelled 31.1.1979. The mill is still operating on P.P.
- 2.5 F.P.(S)L. 1633, Bunnings, Nyamup Annex, established 1.1.1979, to allow operation of a sleeper annex mill at Nyamup. This mill was formerly operating as a sleeper annex mill at Tone River.

PRESCRIPTION FOR EACH OPERATION TO DECEMBER, 1986

3.1 Bunnings Deanmill (S.M.P. 1543)

- 3.1.1 The area of State forest and Crown land supplying this mill will be:-
 - a) S.M.P. 1543 excluding M.P.A.s 6.3, 6.5 and 6.7 and road, river and stream reserves.
 - b) Areas 6D76, 6H, 6S, old growth forest in 11A76 and part 11J76 (Cleave Block) after cancellation of F.P.(S)L. 1570.
 - c) Scientific M.P.A.s 6.4 (Lewin catchment study), 6.8 and 6.9 (Beavis/Giblett, silviculture) and 6.10 (Lindsay).
- 3.1.2 S.M.P. 1543 will be cancelled and the entire available area be logged under a Forest Produce (Sawmilling) Licence during the period of this plan.
- 3.1.3 The P.I.₃ into this mill will be for 1982 calendar year 66,650 m³ jarrah and 15,430 m³ karri, a total of 82,080 m³. From January, 1983 until June, 1988 the P.I. into this mill will be 82,000 m³/year of jarrah, or such mutually agreed intake in conformity with Section 7.2.2 of the Southern Region Preamble.

3.1.4 Logging strategy for:-

M.P.A.s 6.8 and 6.9 Beavis/Giblett

- a) Logging to be over an extended period, say 100 years.
- b) The average logging coupe will contain approximately $10,000 \text{ m}^3$, i.e. one coupe every 3 years.

M.P.A. 6.10 Lindsay

- a) This is a catchment protection M.P.A.
- b) Some logging permitted consistent with the maintenance of water quality.
- c) The resource is small and has been excluded from resource estimates.

- 3.1.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling.

- 3.1.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Bunnings Nyamup Mill (F.P.(S)L. 1632) and Sleeper Annex Mill (F.P.(S)L. 1633)

- 3.2.1 The areas of State forest and Crown land supplying these mills will be:-

Areas 6E, 6G, 6R, 6Q, 6P and 6O excluding road, river and stream reserves.

- 3.2.2 Provided suitable salvage logs are available, the sleeper annex mill (F.P.(S)L. 1633) may continue at $5,000 \text{ m}^3/\text{year}$ behind the main Nyamup mill until 30.6.1988.

- 3.2.3 These licences will be renewed annually at a P.I. of:-

Main mill (F.P.(S)L. 1632)	=	$32,000 \text{ m}^3/\text{year}$
Sleeper annex (F.P.(S)L. 1633)	=	$5,000 \text{ m}^3/\text{year}$

In July, 1988 the P.I. reduces to $32,000 \text{ m}^3/\text{year}$. The resource allocated to this mill is expected to be exhausted late in the next plan period. The licence will then be cancelled.

- 3.2.4 Consideration will be given during the plan period to rationalisation of the different royalty rates which apply for these two licences.
- 3.2.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling. All subsidiary operations must cease when the major sawlog operation is suspended.

- 3.2.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.3 Millars Palgarup Mill (S.M.P. 1331)

- 3.3.1 The areas of State forest and Crown land supplying this mill will be:-
 - a) S.M.P. 1331.
 - b) Areas 6C and 6Z excluding road, river and stream reserves.
 - c) M.P.A.s 6.1 (Perup), 6.2 (Warrup catchment study).
 - d) Excluding all road, river and stream reserves.
- 3.3.2 The permit will be renewed annually at a P.I. of 26,000 m³/year for the period of this plan.
- 3.3.3 Consideration will be given to transferring this permit to a licence (F.P.(S)L.).
- 3.3.4 Consideration will be given during the plan period to rationalisation of the different royalty rates which apply for this permit.
- 3.3.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling.

- 3.3.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.4 Amalgamated Timber Products, Yornup Mills (Greenacre)

- 3.4.1 Area 6W may provide some Crown land timber to this essentially private property mill.
- 3.4.2 The allowable cut from this area will be no greater than 2,800 m³/year jarrah, on the basis of a local licence operating in summer only.

3.4.3 When this area is cut out the area will be reserved as a resource for future plan periods.

3.4.4 If supplies are available, local licences may be issued for salvage timber behind Millars Palgarup Mill (S.M.P. 1331) operations, up to a maximum amount of 2,800 m³/year.

3.4.5 No further Crown land timber is available to this mill other than salvage material behind other mills in the Southern and Central Regions.

3.4.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.4.7 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to cover this period.

3.5 Rijavec's Manjimup Mill (Lovi)

3.5.1 There can be no guarantee of life or level of intake from Crown land timber for this private property mill.

3.5.2 Local licences may be issued for salvage timber if available and if first refused by all of the C.L. mills within reasonable proximity.

3.5.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to cover this period.

3.5.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.6 Private Property Mills

Kilrain Sawmills, Glenoran
Middlesex Sawmills, Middlesex (Drake)
Potter Sawmills, Glenoran
Syndicate Sawmills, Middlesex (Phillips)

No licence for State forest and Crown land timber is to be issued to these private property mills except for small quantities of salvage material if available and if first refused by all of the Crown land mills within reasonable proximity.

3.7 Pole Operators

Palmer.
Ridolfo.

- 3.7.1 Licences will be issued to cut poles in Manjimup Division after the pole resource from Kirup Division northward has been exhausted.
- 3.7.2 Level of cut and probability of taking karri and marri to be determined.
- 3.7.3 Operations are to be integrated with sawlogging to minimise the risk of dieback spread.
- 3.7.4 Refer to Regional Preamble, section 7.2.6 for further details.

3.8 Pine Operations

3.8.1 Plantations within Manjimup Division:-

Strachan

Meribup arboretum is also within this Division. Also a tree nursery at Manjimup.

- 3.8.2 Logs from these areas will supply Ryan's Pemberton Mill under contract of sale.

3.9 Minor Forest Produce (Wood Products and Others)

See regional section prescriptions for:-

Firewood

Hardwood logs other than sawlogs

Wildflowers

Honey

Mining (including gravel, sand and stone)

4. ALLOCATION OF AREAS

- 6A76 - Not available except for limited cutting. Old growth forest for S.M.P. 1193. Silvicultural thinnings may be carried out in this area to produce tile batten material, chipwood and sawlogs. Small mill logs can be allocated to any new mill that Bunnings may construct for small log milling during the period. Any sawlogs from thinnings to be part of existing permissible intake of whichever mill they are allotted to and not to be an additional P.I.
- 6C - For Millars Palgarup Mill (S.M.P. 1331)
- 6D76 - For Bunnings Deanmill Mill (S.M.P. 1543)
- 6E - For Bunnings Nyamup Mill F.P.(S)L. 1632
- 6G - For Bunnings Nyamup Mill F.P.(S)L. 1632
- 6B76 - This area is held for cutting in future Working Plan periods.

- 6H - For Bunnings Deanmill Mill (S.M.P. 1543)
 - 6R - Former S.M.P. 1192 part 1, for Bunnings Nyamup (F.P.(S)L.s 1632, 1633)
 - 6Q - Former S.M.P. 1192 part 2, for Bunnings Nyamup (F.P.(S)L.s 1632, 1633)
 - 6P - Former S.M.P. 1328 part 1, for Bunnings Nyamup (F.P.(S)L.s 1632, 1633)
 - 6O - Former S.M.P. 1328 part 2, for Bunnings Nyamup (F.P.(S)L.s 1632, 1633)
 - 6S - Former S.M.P. 677 for Bunnings Deanmill (S.M.P. 1543)
 - 6T - This area is held for cutting in future Working Plan periods.
 - 6W - For Amalgamated Timber Products, Yornup Mill (Greenacre), then it will be held for cutting in future Working Plan periods.
 - 6X - This area is held for cutting in future Working Plan periods.
 - 6Y - This area is held for cutting in future Working Plan periods.
 - 6Z - For Millars Palgarup Mill (S.M.P. 1331).
- Part 13281 - (Part Rocky and Long Blocks). For Whittakers Greenbushes Mill (S.M.L. 1617), Worsley's Palgarup Mill (S.M.L. 1618), and Bunnings Walpole Mill.
- 6N - Former S.M.P. 1330 - This area is held for cutting in future Working Plan periods.

ALLOCATION OF SPECIFIC M.P.A.S

Produce may be removed from these M.P.A.s according to prescriptions which do not prejudice the management objectives of the areas.

- M.P.A. 6.1 - (Perup) For Millars Palgarup Mill (S.M.P. 1331).
- M.P.A. 6.2 - (Warrup) For Millars Palgarup Mill (S.M.P. 1331).
- M.P.A. 6.4 - (Lewin) For Bunnings Deanmill Mill (S.M.P. 1543).
- M.P.A. 6.8 - (Giblett) For Bunnings Deanmill Mill (S.M.P. 1543).
- M.P.A. 6.9 - (Beavis) For Bunnings Deanmill Mill (S.M.P. 1543).
- M.P.A. 6.10 - (Lindsay) For Bunnings Deanmill Mill (S.M.P. 1543).

MANAGEMENT PRIORITY AREAS

Road, river and stream reserves and the following M.P.A.s will be managed according to special management plans.

6.1 Conservation of Flora, Fauna and Landscape M.P.A.s

- M.P.A. 6.1 - Perup
- M.P.A. 6.5 - Dickson
- M.P.A. 6.7 - Strickland

6.2 Scientific Study M.P.A.s

- M.P.A. 6.2 - Warrup
- M.P.A. 6.4 - Lewin
- M.P.A. 6.6 - Iffley
- M.P.A. 6.8 - Giblett
- M.P.A. 6.9 - Beavis
- M.P.A. 6.10 - Lindsay

Beavis and Giblett M.P.A.s are not included in M.P.A.s listed for Part 1 GWP 87 under either Conservation or Scientific Study. The areas will not be listed until cut-over when they will then become Scientific Study M.P.A.s.

6.3 Recreation M.P.A.s

- M.P.A. 6.3 - One Tree Bridge

Commercial cutting in this M.P.A. is not to be carried out. However, in the event of severe deterioration due to damage, fire, disease or age in any part of the area, limited cutting may be authorised to improve its value for recreation.

- 6.4 Commercial cutting in these M.P.A.s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of these areas limited cutting may be authorised provided that it is compatible with the objectives of the M.P.A.

PEMBERTON DIVISION

TENURE

ha.

Hardwood forest under F.D. control	189,509
Pine plantation under F.D. control	365
Other	127,322
Total for Pemberton Division	<u>317,368</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 F.P.(S)L. 1585 Gandy, Marri Logging licence - cancelled and replaced by F.P.(S)L. 1628 on 30th June, 1977.
- 2.2 F.P.(S)L. 1552 Millars Carey Brook Mill - licence cancelled 30th June, 1977.
- 2.3 Forests Department sawmill, Pemberton - initially leased by G.T. & B.Y. Ryan and subsequently purchased on 1st April, 1981.

PRESCRIPTIONS FOR EACH OPERATION TO DECEMBER, 1986

3.1 Millars Quininup and Jardee Mills (S.M.P. 1193)

- 3.1.1 The areas of State forest and Crown land supplying these mills will be:-
 - a) S.M.P. 1193 excluding M.P.A. 11.6 Curtin and road, river and stream reserves.
 - b) Area 11D. Some of 11D will not be available until after 1995, as it is a burning strip for protection of regeneration. Old growth areas in 6A76
 - c) Portion of M.P.A. 11.7 (Sutton Catchment Study Area).
- 3.1.2 Consideration will be given to transferring this permit to a licence (F.P.(S)L.).
- 3.1.3 The permit will be renewed at an annual P.I. of 30,000 m³/year of karri and 30,000 m³/year of jarrah for the period of this plan.
- 3.1.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling.

3.1.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.2 Bunnings Pemberton and Northcliffe Mills (S.M.P.s 1329, 1332 and 1333)

3.2.1 The areas of State forest and Crown land supplying these mills will be:-

- a) S.M.P.s 1329, 1332 and 1333 excluding M.P.A.s 11.2 (Dombakup), 11.3 (Brockman), 11.4 (Boorara), 11.5 (Muirillup) and 13.2 (Wattle) and road, river and stream reserves.
- b) Areas 11K76, 11T, 11Z and part 11J76 (Flybrook and Charley Blocks) after cancellation of S.M.L. 1570 (11T is a burning strip and is unlikely to be available until after 1995).

3.2.2 The P.I. for the Pemberton mill will be 83,000 m³/year of karri from 1st January, 1982 to 30th June, 1988, or such other mutually agreed intake in conformity with Section 7.2.2 of the Southern Region Preamble. The P.I. for the Northcliffe mill will be for 1982 9,000 m³/year jarrah, 26,000 m³/year karri, a total of 35,000 m³/year. The P.I. from January, 1983 until June, 1988 will be 9,000 m³/year jarrah, 22,000 m³/year karri, a total of 31,000 m³/year. In July, 1988 the combined intake to these two mills will become 81,300 m³ karri, 9,000 m³ jarrah. Alternative mutually agreed intakes may be arranged during the period providing they are in conformity with Section 7.2.2 of the Southern Region Preamble.

3.2.3 The three permits will be cancelled after 30th June, 1982 and the cut will be managed on the basis of a single sawmilling licence (F.P.(S)L.). The licence will cover S.M.P.s 1329, 1332 and 1333 permit areas and all other areas allocated to the Northcliffe and Pemberton mills.

3.2.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling.

3.2.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.3 Gandy's Jardee Mill (F.P.(S)L. 1570 and 1628)

3.3.1 F.P.(S)L. 1570

- a) The area of State forest and Crown land supplying this mill will be:-

Area 11J76 (Flybrook, Charley and Cleave Blocks) excluding road, river and stream reserves.
- b) The P.I. from this area is 12,744 m³/year₃ for 1982. This will consist₃ of no more than 3,200 m³/year of karri and 9,544 m³/year of jarrah.
- c) No more State forest or Crown land timber will be available after 31.12.1982 under this licence.
- d) When F.P.(S)L. 1570 is cancelled area 11J76 will be available to Bunnings Deanmill (Cleave Block) and Pemberton/Northcliffe mills (Flybrook and Charley Blocks).

3.3.2 F.P.(S)L. 1628

- a) This licence covers Gandy's operations from W.A.C.A.P. mill and bush landings.
- b) Marri and salvage karri and jarrah sawlogs may be removed from W.A.C.A.P. mill landing, and marri sawlogs from bush landings, to Gandy's mill to a maximum of 25,000 m³/year. Marri is to be removed first.
- c) If the W.A.C.A.P. Diamond operations cease, this commitment is terminated.

- 3.3.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling.

- 3.3.4 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.4 Moniers (F.P.(S)L. 1626)

- 3.4.1 This mill is situated in Busselton Division. Operations are centred in the Pemberton area.
- 3.4.2 The resource will come from three sources, exclusive of private property supplies:-

- a) Karri thinnings in the Pemberton area, for a period of eight years, after which any further supply arrangements will be reviewed.
- b) From suitable material from the Chipmill landing. This material should be taken before Karri thinnings.
- c) Clear felling and/or thinnings in previously selectively cut karri.

3.4.3 P₃I. will be 12,750 m³/year. An overcut to 20,000 m³/year based on material with minimum size at 200 mm T.D.L., may be approved at the discretion of the Conservator for the period of this plan.

3.4.4 No logging will be permitted under conditions allowing irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling.

3.4.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.5 Private Property Mills

Starkie & Ditri, Pemberton
Bradbury, Northcliffe
Burdett, Northcliffe
Bonazzi, Northcliffe
Millars, Quininup

No licence for State forest and Crown land timber is to be issued to these private property mills, except for salvage material if available and if first refused by all of the Crown land mills within reasonable proximity.

3.6 Pine Operations

3.6.1 Ryan, G.T. & B.Y. Pemberton

Logs from Southern Region pine plantations will continue to supply this mill under contract of sale. Pine log quotas will be 5,000 m³/year mill logs and 2,500 m³/year case logs.

3.6.2 Plantations Within Pemberton Division

Big Brook Plot, Coupe 12
Dombakup
Pemberton Arboretum

3.7 Minor Forest Produce (Wood Products and Other)

See regional section prescriptions for:-

Firewood
Hardwood logs other than sawlogs
Wildflowers
Honey
Mining (including gravel, sand and stone)

4. ALLOCATION OF AREAS

- 11A76 - Old growth forest for S.M.P. 1543 Bunnings, Deanmill. Silvicultural thinnings may be carried out in this area to produce tile batten material, chipwood and sawlogs. Small mill logs can be allocated to any new mill that Bunnings may construct for small log milling during the period. Any sawlogs from thinnings to be part of existing Permissible Intake of whichever mill they are allotted to and not to be an additional P.I.
- 11D - For Millars Quininup or Jardee mills (S.M.P. 1193) but part not available until after 1995 as it is a burning strip.
- 11H - This area is held for cutting in future Working Plans.
- 11J76 - For Gandy's Jardee mill operating under S.M.L. 1570. When S.M.L. 1570 ceases in 1982, area 11J76 to be available to Bunnings Deanmill, Pemberton and Northcliffe sawmills.
- 11K76 - For Bunnings Northcliffe mill (S.M.P. 1332).
- 11L - This area is held for cutting in future Working Plans.
- 11T - For Bunnings Pemberton mill (S.M.P. 1333) but not until after 1995 as it is a burning strip.
- 11V)
11W - These areas are held for cutting in future Working Plans.
- 11Z - For Bunnings Pemberton mill (S.M.P. 1333).
- Part 13Y - Within Pemberton Division. Not to be cut as it is in the proposed South Coast National Park. In the event of alternative Government decision on any part of this area, only necessary cutting will be permitted.
- Part 13Z81 - Within Pemberton Division (part Wattle and Weld Blocks). For Whittaker's Greenbushes mill (F.P.(S)L. 1617), Worsley's Palgarup mill (F.P.(S)L. 1618) and Bunnings Walpole mill.

5. ALLOCATION OF SPECIFIC M.P.A.

Produce may be removed from this M.P.A. according to prescriptions which do not prejudice the management objectives of the area.

M.P.A. 11.7 - (Sutton) for Millars Quininup or Jardee mills
(S.M.P. 1193)

6. MANAGEMENT PRIORITY AREAS

Road, river and stream reserves and the following M.P.A.s will be managed according to special working plans.

6.1 Conservation of Flora, Fauna and Landscape M.P.A.s

M.P.A. 11.1 - Hawke/Treen
M.P.A. 11.2 - Dombakup
M.P.A. 11.4 - Boorara
M.P.A. 11.5 - Muirillup
M.P.A. 11.6 - Curtin

6.2 Scientific Study M.P.A.

M.P.A. 11.7 - Sutton

6.3 Recreation M.P.A.

M.P.A. 11.3 - Brockman

6.4 Commercial cutting on these M.P.A.s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of the area, limited cutting may be authorised provided that it is compatible with the objectives of the M.P.A.

7. KARRI REGROWTH THINNINGS

Thinnings are to be carried out under contract to the Forests Department, from areas 6A76, 6T, 11A76, 11L, 11W and other such areas that will support a commercial and silviculturally advantageous operation. This is likely to include some selection cut forest where regrowth is sufficient to give a commercial yield and leave an adequately stocked forest. The volumes produced from these thinnings to be made available to Monier and to any new mill that Bunnings may construct for milling small sized logs.

WALPOLE DIVISION

TENURE

	<u>ha.</u>
Hardwood forest under F.D. control	157,759
Pine plantation under F.D. control	299
Other	650,834
Total for Walpole Division	<u>808,892</u>

CHANGES SINCE THE TABLING OF THE 1977 GENERAL WORKING PLAN

- 2.1 F.P.(S)L. 1565 (Millars Rocky Gully) cancelled 30th April, 1980.
- 2.2 F.P.(S)L. 1569 (Preston Timber Company, Rocky Gully) cancelled 30th April, 1980.
- 2.3 S.M.P. 1454 (Bunnings, Walpole) cancelled 30th April, 1977 and F.P.(S)L. 1627 issued in lieu.
- 2.4 Bunnings Annex Mill, Walpole - closed 28th December, 1979.

PRESCRIPTIONS FOR EACH MILL TO DECEMBER, 1986

3.3 Bunnings Walpole Mill (F.P.(S)L. 1627)

- 3.3.1 The area of State forest and Crown land supplying this mill will be:-

Areas 13F76, 13Q, 13P. 13U, 13X and 13Z81 excluding road, river and stream reserves.

- 3.3.2 No further cutting is to occur in that part of former S.M.P. 1454 (within 13Z81) in the Walpole Catchment (↑31501) without reference to the Minister for Water Supply.
- 3.3.3 Stands containing an appreciable proportion of Tingle will be managed under special prescriptions for perpetuation of the species. Regeneration fellings will not be undertaken until residues can be disposed of as chip material.
- 3.3.4 The licence will be renewed annually at a P.I. of 15,000 m³/year of jarrah or such mutually agreed intake in conformity with Section 7.2.2 of the Southern Region Preamble.
- 3.3.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling.

- 3.3.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.4 Whittakers Greenbushes Mill (F.P.(S)L. 1617)

- 3.4.1 The area of State forest and Crown land supplying this mill will be:-

Areas 13F76, 13Q, 13P, 13U, 13X and 13Z81 excluding road, river and stream reserves. Operations in Kirup Division will be in area 5A.

- 3.4.2 No further cutting is to occur in that part of former S.M.P. 1454 (within 13Z81) in the Walpole Catchment (†31501) without reference to the Minister for Water Supply.

- 3.4.3 Stands containing an appreciable proportion of Tingle will be managed under special prescriptions for perpetuation of the species. Regeneration fellings will not be undertaken until residues can be disposed of as chip material.

- 3.4.4 P.I. for this mill will be 25,180 m³/year karri, 16,340 m³/year jarrah and tingle, a total of 41,520 m³/year until 31st December, 1986. After that date the P.I. will be 21,580 m³/year karri and 19,940 m³/year of jarrah and tingle.

- 3.4.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling by 30th April each year.

Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.5 Worsley - Palgarup Mill (S.M.L. 1618)

- 3.5.1 The area of State forest and Crown land supplying the mill will be:-

Areas 13F76, 13Q, 13P, 13U, 13X and 13Z81 excluding road, river and stream reserves.

- 3.5.2 No further cutting is to occur in that part of former S.M.P. 1454 (within 13Z81) in the Walpole Catchment (†31501) without reference to the Minister for Water Supply.

- 3.5.3 Stands containing an appreciable proportion of Tingle will be managed under special prescriptions for perpetuation of the species. Regeneration fellings will not be undertaken until residues can be disposed of as chip material.
- 3.5.4 P.I. for this mill will be $3,800 \text{ m}^3/\text{year}$ karri until 31st December, 1992 when the licence will be cancelled.
- 3.5.5 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling by 30th April each year.

- 3.5.6 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.6 Panelli Rocky Gully Mill (F.P.(S)L. 1591)

- 3.6.1 The area of State forest and Crown land supplying this mill will be:-

Area 13E76.

- 3.6.2 The licence will be renewed annually at a P.I. of $3,500 \text{ m}^3/\text{year}$ of logs for the period of this plan.
- 3.6.3 The resource available to this mill is expected to cut out in the next plan period. Thereafter, no further cutting is available on State forest or Crown land and the licence will be cancelled.
- 3.6.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling by 30th April each year.

- 3.6.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.7 Coli's Denbarker Mill (F.P.(S)L. 1607)

- 3.7.1 The area of State forest and Crown land supplying this mill will be:-

Area 13L76.

- 3.7.2 The licence will be renewed annually at a P.I. of $900 \text{ m}^3/\text{year}$ of logs.

3.7.3 The resource available for this mill is expected to cut out towards the end of the period or early into the next plan period. Thereafter, no further cutting is available on State forest or Crown land and the licence will be cancelled.

3.7.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling by 30th April each year.

3.8 Millars Denbarker Mill (F.P.(S)L. 1621)

3.8.1 The area of State forest and Crown land supplying this mill will be:-

Area 13L76.

3.8.2 The licence will be renewed annually at a P.I. of 1,700 m³/year of logs.

3.8.3 The resource available for this mill is expected to be cut out towards the end of the period or early into the next plan period. Thereafter, no further cutting is available on State forest or Crown land and the licence will be cancelled.

3.8.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling will be necessary to minimise any damage.

The stockpile should contain enough sawlog to sustain three months sawmilling by 30th April each year.

3.9 Franey and Thompson's Albany Mill

3.9.1 No guarantee of life or level of intake from State forest or Crown land timber can be given to this private property mill.

3.9.2 Local licences may occasionally be issued for this mill to cut 1,800 m³/year from area 13N.

3.9.3 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Stockpiling may be necessary to minimise any damage.

3.10 McLeans Sawmills Pty. Ltd., Denmark

3.10.1 No guarantee of life or level of intake from State forest or Crown land timber can be given to this sawmill.

- 3.10.2 Provided this sawmiller continues to utilise logs of salvage quality, local licences may be issued on authority from Head Office. Salvage material will be made available from those areas that have been logged under F.P.(S)L.s 1617 (Whittakers), 1618 (Worsley) and 1627 (Bunnings Walpole). Similar licences may be issued for salvage material on S.M.P. 1332 (Bunnings Northcliffe) and S.M.P. 1329 (Bunnings Shannon). Salvage marri sawlogs that have been refused by Gandy may also be taken.
- 3.10.3 The annual quota of salvage logs will depend on whatever salvage sawlog can be obtained from the areas outlined in 3.10.2 above.
- 3.10.4 No logging will be permitted under conditions allowing P.C. to be readily spread, nor irreparable soil damage to occur. Follow-up salvage operations must cease when the major sawlog operation is suspended. Stockpiling may be necessary to cover this period.
- 3.10.5 Implementation of top disposal, erosion control and site rehabilitation measures will be required.

3.11 Private Property Mills

Ballattis Sawmill, Rocky Gully
Happy Valley Sawmills, Denmark
Kirby's Sawmill, Bow Bridge
Lembo's Sawmill, Albany
McIntosh, Denmark
Sawyer, Walpole
Thompson, Walpole
Young, Walpole

No State forest or Crown land timber is available to these private property mills. However, if supplies are available, local licences may be issued for salvage timber if refused first by all Crown land mills in reasonable proximity.

3.12 Pine Operations

Any pine logs available from Pardelup plantation plots will be offered to G.T. & B.Y. Ryan under contract of sale.

3.13 Minor Forest Produce (Wood Products and Other)

See regional prescriptions for:-

Hardwood logs other than sawlogs
Wildflowers
Honey
Mining (including gravel, sand and stone)
Firewood

ALLOCATION OF AREAS

- 13E76 - For Panelli's Rocky Gully mill F.P.(S)L. 1591, after which the area will be unavailable for many years until growth produces enough marketable sized trees.
- 13F76 - For Whittakers Greenbushes mill F.P.(S)L. 1617, Worsley's Palgarup mill F.P. (S)L. 1618, and Bunnings Walpole mill F.P.(S)L. 1627.
- 13K76 - To be withheld from cutting pending implementation of recommendations 2.15 of the Environmental Protection Authority (Systems 1, 2, 3 and 5).
- 13L76 - For Coli's Denbarker mill F.P.(S)L. 1607 and Millars Denbarker mill F.P.(S)L. 1621, after which the area will be unavailable for many years until growth produces enough marketable sized trees.
- 13M - Priority for management in recreation. Occasional salvage only permitted to enhance the recreational objectives.
- 13N - For Franey and Thompson's Albany mill, after which the area will be unavailable for many years until growth produces enough marketable sized trees.
- 13P - To be withheld from cutting pending implementation of recommendations 2.15 of the Environmental Protection Authority (Systems 1, 2, 3 and 5). Should adequate timber resource be found, this area is to be regarded as available for cutting by general purpose mills operating under Head Office licence in the Walpole area.
- 13Q - For Whittakers Greenbushes mill F.P.(S)L. 1617, Worsley's Palgarup mill F.P.(S)L. 1618, and Bunnings Walpole mill F.P.(S)L. 1627.
- 13R - Not available for cutting for many years until growth produces enough marketable sized trees.
- 13S - (Walpole Catchment). Not available for cutting without reference to the Minister for Water Supply.
- 13T - No cutting to be carried out during the period of this plan other than for silvicultural purposes, so that its suitability for an M.P.A. can be evaluated.
- 13U - For Whittakers Greenbushes mill F.P.(S)L. 1617, Worsley's Palgarup mill F.P.(S)L. 1618 and Bunnings Walpole mill F.P.(S)L. 1627.
- 13V - For G.P. mills for the Albany market on a local licence salvage basis.
- 13W - For G.P. mills for the Albany market on a local licence salvage basis.

- 13X - For Whittakers Greenbushes mill F.P.(S)L. 1627, Worsley's Palgarup mill F.P.(S)L. 1618, and Bunnings Walpole mill F.P.(S)L. 1627.
- 13Y - Not to be cut except for essential dieback salvage as it is in the proposed South Coast National Park.
- 13Z81 - For Whittakers Greenbushes mill F.P.(S)L. 1617, Worsley's Palgarup mill F.P.(S)L. 1618 and Bunnings Walpole mill F.P.(S)L. 1627.

5. MANAGEMENT PRIORITY AREAS

Road and stream reserves and the following M.P.A.s will be managed under special management plans.

5.1 Conservation of Flora, Fauna and Landscape M.P.A.s

- M.P.A. 13.1 - Lower Shannon
- M.P.A. 13.2 - Wattle
- M.P.A. 13.3 - Johnston, O'Donnell
- M.P.A. 13.4 - Mitchell Crossing
- M.P.A. 13.5 - Soho

5.2 Recreation M.P.A.

- M.P.A. 13.6 - Mt Frankland

- 5.3 Commercial cutting on these M.P.A.s is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age in any part of the area, limited cutting may be authorised provided that it is compatible with the objectives of the M.P.A.

PILBARA REGION

TENURE

There are no areas of State forest, Forest Act Timber Reserves, or freehold land in the name of the Conservator of Forests in the Pilbara.

COMMERCIAL OPERATIONS

All forest produce on unvested Crown land, such as pastoral leases, comes under the control of the Forests Department and any applications for commercial cutting must be approved by the Forests Department. There are no commercial cutting operations in the Pilbara at the present time.

FORESTS DEPARTMENT FUNCTION IN THE REGION

A forester has been appointed for the Pilbara region and is stationed at Karratha.

During the period of this plan Forests Department involvement in the region will be:-

- a) Familiarisation with local flora, particularly trees and shrubs of the region.
- b) Assessment of potential for seed collection.
- c) Measurement of indigenous and cultivated trees to calculate growth rates. Investigate the possible use of trees for cultivation in the townships of the region.
- d) A garden using only a small amount of water has been established at the Forester's residence and this will be subject to continuous monitoring. The effects of water usage on other gardens will be undertaken. Every effort will be made to minimise water usage in the Pilbara, particularly on gardens and other recreational areas.
- e) Tree arboreta will be established at various localities, initially at Karratha, to determine irrigation rates, fertilizer regimes, water husbandry and harvesting.
- f) Provide assistance to other government departments and agencies, if required, in establishing regional botanical collections.

The Department's representative in the Pilbara will continue to liaise, learn and advise on environmental problems, rehabilitation works, landscaping projects, assist in the administration of the Karratha Government nursery and provide a general forestry extension service.

In addition he will be a member of the Karratha Nursery Committee and the Carnarvon environmental advisory committee.

KIMBERLEY REGION

TENURE

There are no areas of State forest, Forest Act Timber reserves, or freehold land in the name of the Conservator of Forests in the Kimberleys (apart from two housing lots in Kununurra).

COMMERCIAL OPERATIONS

All forest produce on unvested Crown land, such as pastoral leases, comes under the control of the Forests Department and any applications for commercial cutting must be approved by the Forests Department. There are no commercial cutting operations in the Kimberley at the present time.

FORESTS DEPARTMENT FUNCTION IN THE REGION

The Kimberley office was officially opened on 13th July, 1979. A professional officer and a forester are now based at Kununurra.

During the period of this plan the Department's involvement in the region will be:-

- a) To collect information on the forests and woodlands of the Kimberley region.
- b) Continue a broadscale inventory and distribution study of the native woodlands of the region to form a basis for planning conservation measures which will run in parallel with future development.
- c) Investigate the potential of various sites (including the Ord Irrigation Areas) for the growing of plantations of exotic tree species.

Two research plots were established in 1972, one at Kalumburu and one at Drysdale River station to indicate suitable species for soil protection, provision of shade for cattle, and rehabilitation of vegetation on pastoral leases.

Both plots have been abandoned because of poor survival. Factors contributing to this result were fires which appear to have burnt both plots and accidental slashing of the Drysdale River plot.

However, from the plots the following conclusions can be drawn, given reasonable establishment, not set back by disasters.

Species	Kalumburu Plot	Drysdale River Plot
<i>Eucalyptus camaldulensis</i>	Good survival and growth	Good survival - coppiced well
<i>Khaya senegalensis</i>	Fair survival	Poor survival - termite attack prevalent
<i>Callitris intratropica</i>	Good survival	Very fire sensitive. Needs further testing.
<i>Pinus caribaea</i>	Some survival Fire & termites a problem	Very fire sensitive and termite sensitive

Of the species tried it appears that *Pinus caribaea* is likely to be unsuitable for soil protection, shade and vegetation rehabilitation except in areas of high rainfall and reasonable soils.

Eucalyptus camaldulensis, *Khaya senegalensis* and *Callitris intratropica* (*columellaris*) have potential in particular the first species and given better establishment and follow up management could be useful in some areas for the purposes mentioned.

Further plots of this nature will be established at various locations in the Kimberley region during the period of the Working Plan.

- d) An advisory service, particularly in respect of tree planting and tending information, has been maintained and general extension services will continue to be provided and improved as experience of the area is accumulated.

KALGOORLIE DIVISION

<u>TENURE</u>	<u>ha.</u>
Hardwood forest (State forest and Timber Reserves Forest Act)	33,024
Hardwood forest (Lands Act Timber Reserve)	95,576
Pine plantation under F.D. control (L.A. Reserve Number 23527)	203
	<hr/>
	128,803

PRESCRIPTIONS FOR EACH OPERATION TO DECEMBER, 1986

2.1 Sandalwood Operations

The present quota set by the sandalwood export committee is a range of between 1550 tonnes/p.a. to 1730 tonnes/p.a. The target for the period of the plan will be 1650 tonnes (45% dead wood). Collection of dead sandalwood will continue to receive priority to ensure maximum utilization of this resource.

2.2 Mining Timber

Production reduced considerably over recent years, however demand is expected to increase following the re-commissioning of some old gold mines. Average annual production from 1976/77 to 1979/80 was 450 tonnes. Production is anticipated to reach 1500 - 2000 tonnes/p.a. during this plan period and adequate supplies will be available up to 200 km south from Kalgoorlie.

2.3 Firewood

The issue of domestic firewood licences was discontinued during the period of the previous Working Plan. Domestic licences will not be re-introduced during the period of this plan.

Commercial firewood will continue to be supplied to meet market demands for the period of this plan. Average production for the last four years was 2200 tonnes/p.a. and can continue at about that level.

2.4 Fenceposts

Fenceposts will continue to be supplied to meet market demands as far as possible for the period of this plan. Production has been consistent during the last four years at 60,000 pieces /p.a., obtained mainly from mulga (*Ac. aneura*) and jam (*Ac. acuminata*), burnt by uncontrolled bush fires.

Salvage of fire killed stems in the Cocanarup Timber reserve will continue in accordance with the special management plan for this reserve. When supplies are exhausted green cutting will be permitted, but will be restricted to the northern portion of the reserve, i.e. north of the Ravensthorpe - Jerramungup Road.

3. ALLOCATION OF AREAS

Apart from core areas of Priority Areas, all areas over which the Forests Department has control of forest produce are available as a source of sandalwood, mining timber, firewood and fenceposts. The exception to this being (in the case of green sandalwood) 270,000 ha. of reserve land between Kalgoorlie and Widgiemooltha, not including other reserves mentioned and Hampton freehold areas, (refer Forest regulation 95(b)) and also 83,000 ha. being the 20 km radius "green belt" around Kalgoorlie-Boulder, within which no cutting of any green forest produce is permitted.

4. PRIORITY AREAS

A management plan was prepared and presented in August, 1980 for the Cocanarup Timber Reserve (L.A. reserve C.30795) M.P.A. 14.7.

The following Priority Areas will be managed according to special management plans to be prepared:-

4.1 Flora, Fauna and Landscape

- M.P.A. 14.1 Randells (F.A. Timber reserve No. 194/25)
- M.P.A. 14.2 Majestic (F.A. Timber reserve No. 195/25)
- M.P.A. 14.4 Brockway (F.A. Timber reserve No. 197/25)
- M.P.A. 14.5 Kangaroo Hills (F.A. Timber Reserve No. 198/25)
- M.P.A. 14.6 Kambalda (F.A. Timber Reserve No. 199/25)
- M.P.A. 14.12 Karramindie (S.F. No. 8)

Commercial cutting on Priority Areas is not to be carried out as standard practice. However, in the event of severe deterioration due to damage, fire, disease or age, limited cutting may be authorized to facilitate satisfactory regeneration.

The following Lands Act Timber reserves are also suitable as Priority Areas for flora, fauna and landscape (conservation of sandalwood) and steps will be taken to:-

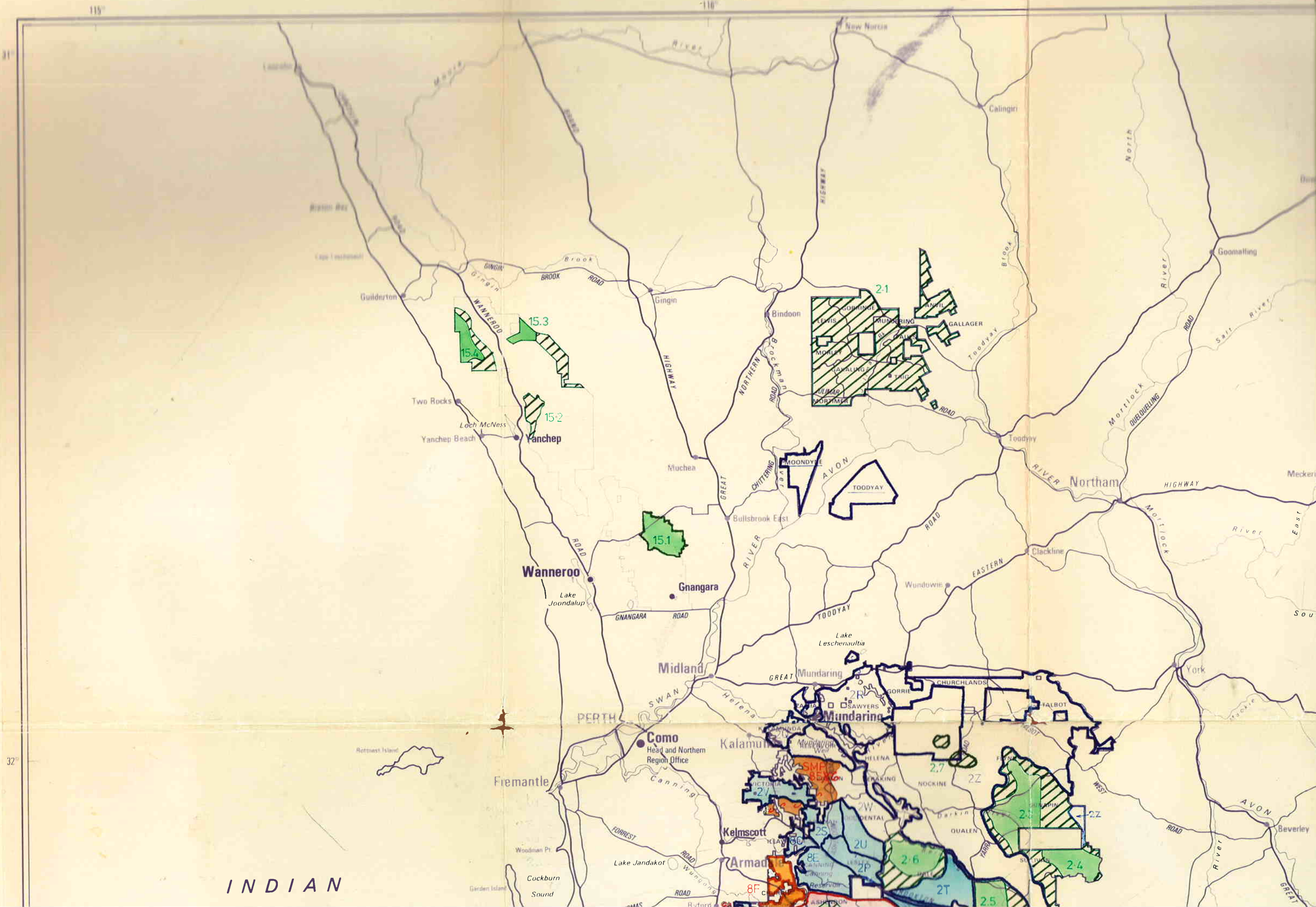
- a) transfer tenure to F.A. Timber reserves or S.F.
- b) prepare management plans

L.A. Reserve 19211 Calooli
19212 Yellari
19214 Lakeside
19825 Bullock Holes
19621 Scahill

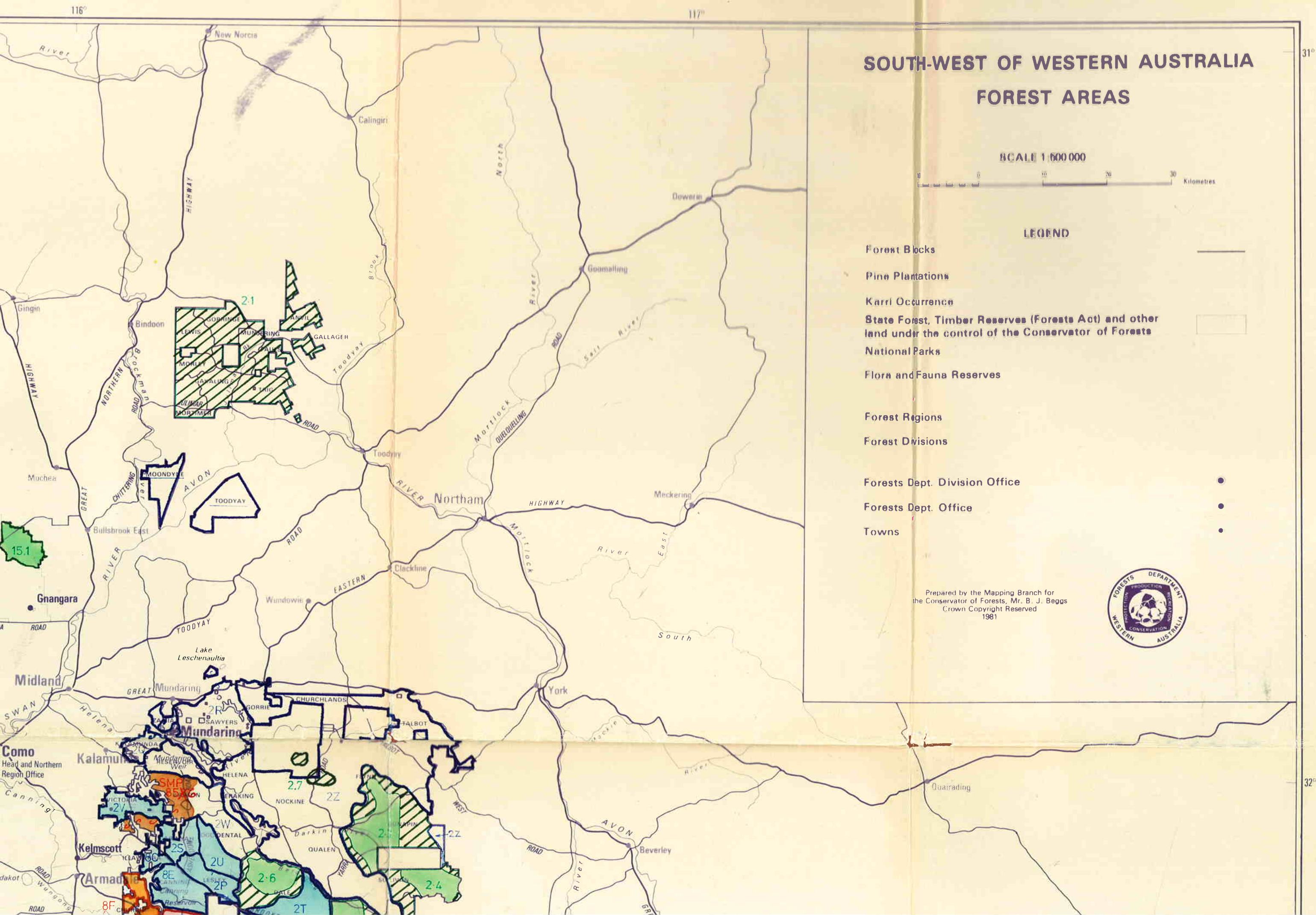
A review of further L.A. timber reserves will be undertaken to determine suitability as Priority Areas and action will be initiated to change their tenure. These areas are:-

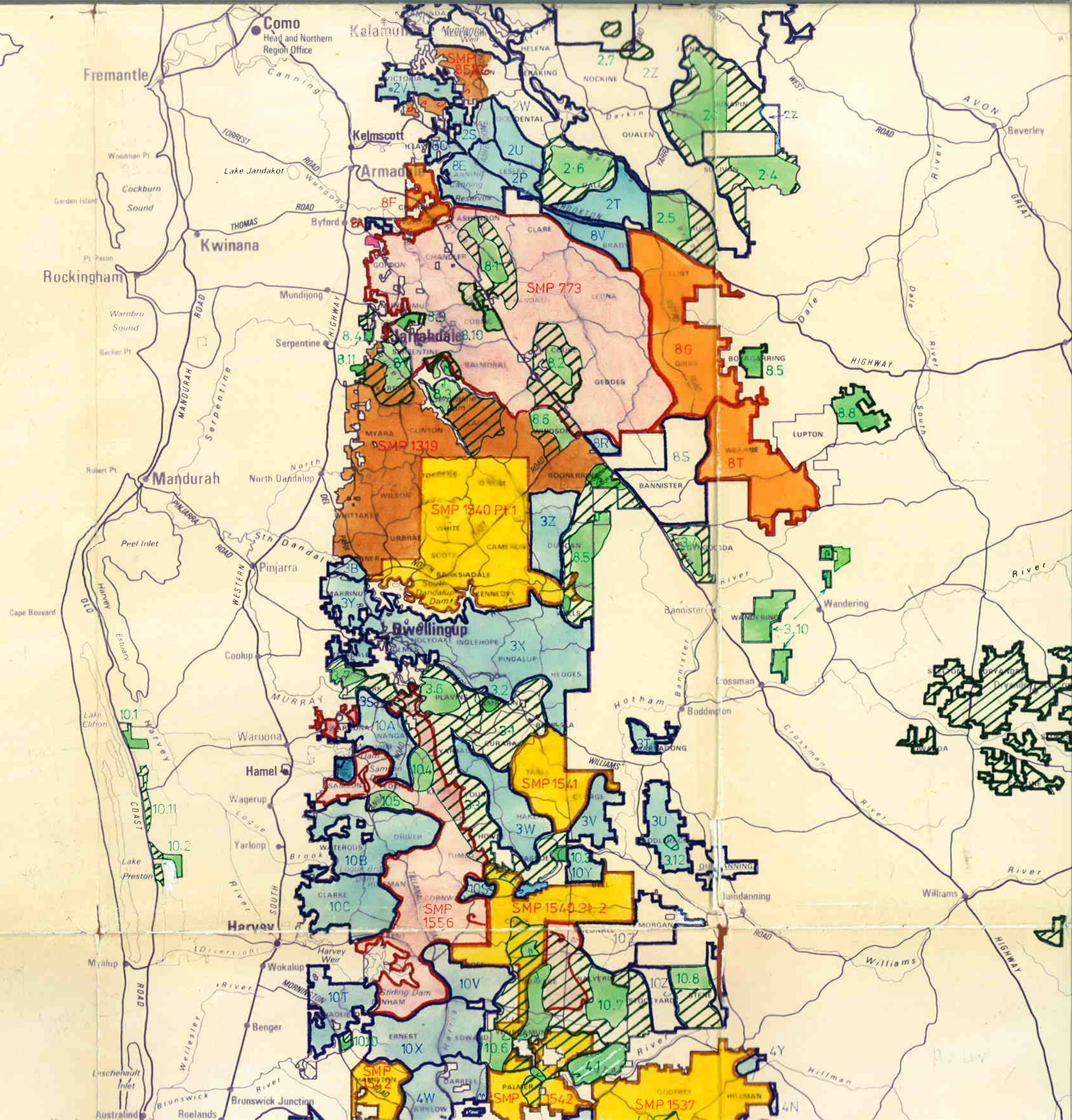
19640	Coonara	37,100 ha.
19645	Emu Rocks	8,200 ha.
19764	Quartz Peak	4,600 ha.
30445	Kangaroo Rock	8,800 ha.

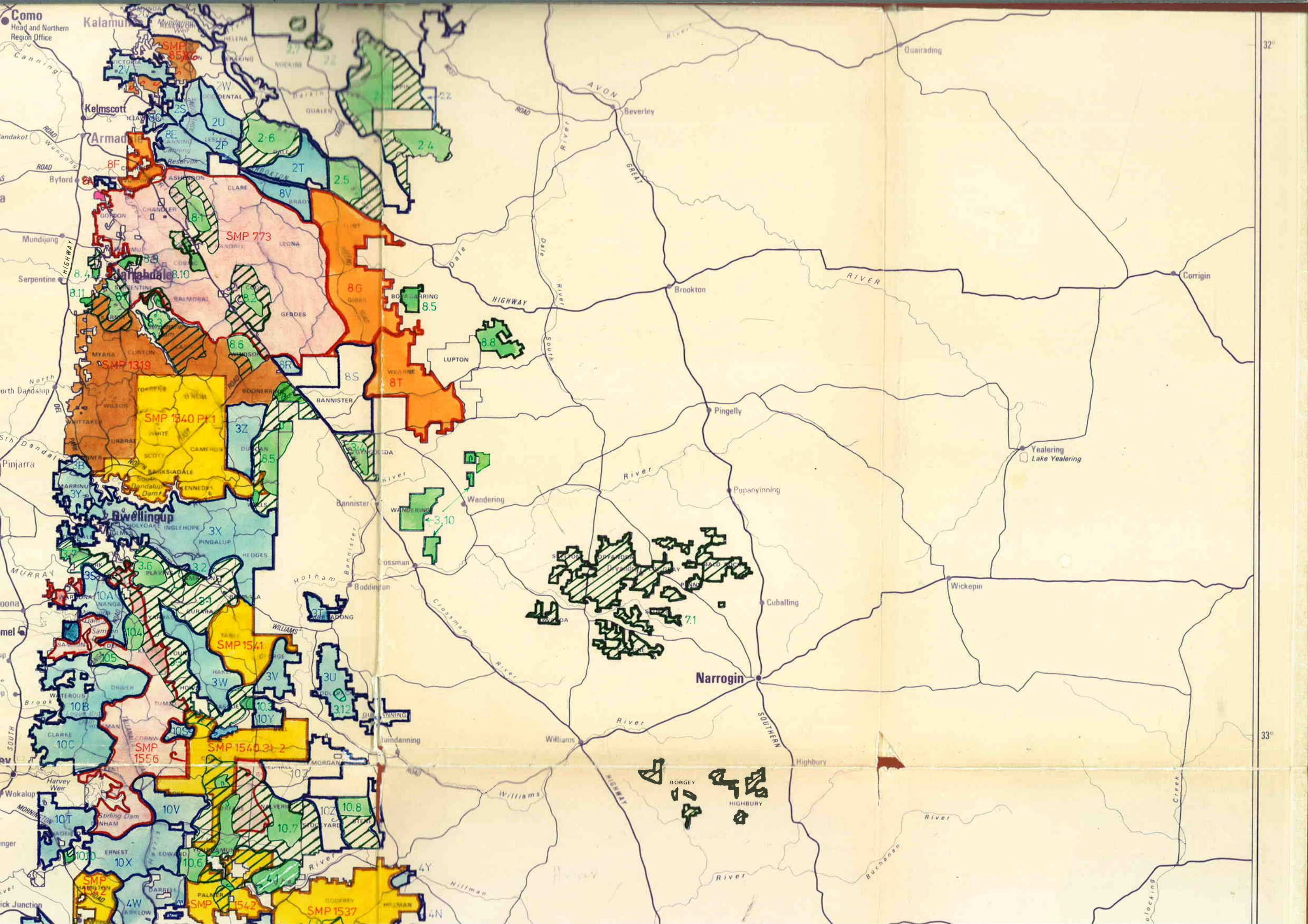
Further areas not vested as timber reserves are under consideration for inclusion as Timber reserve F.A. or S.F. and requests will be made to change their tenure during the plan period.



INDIAN



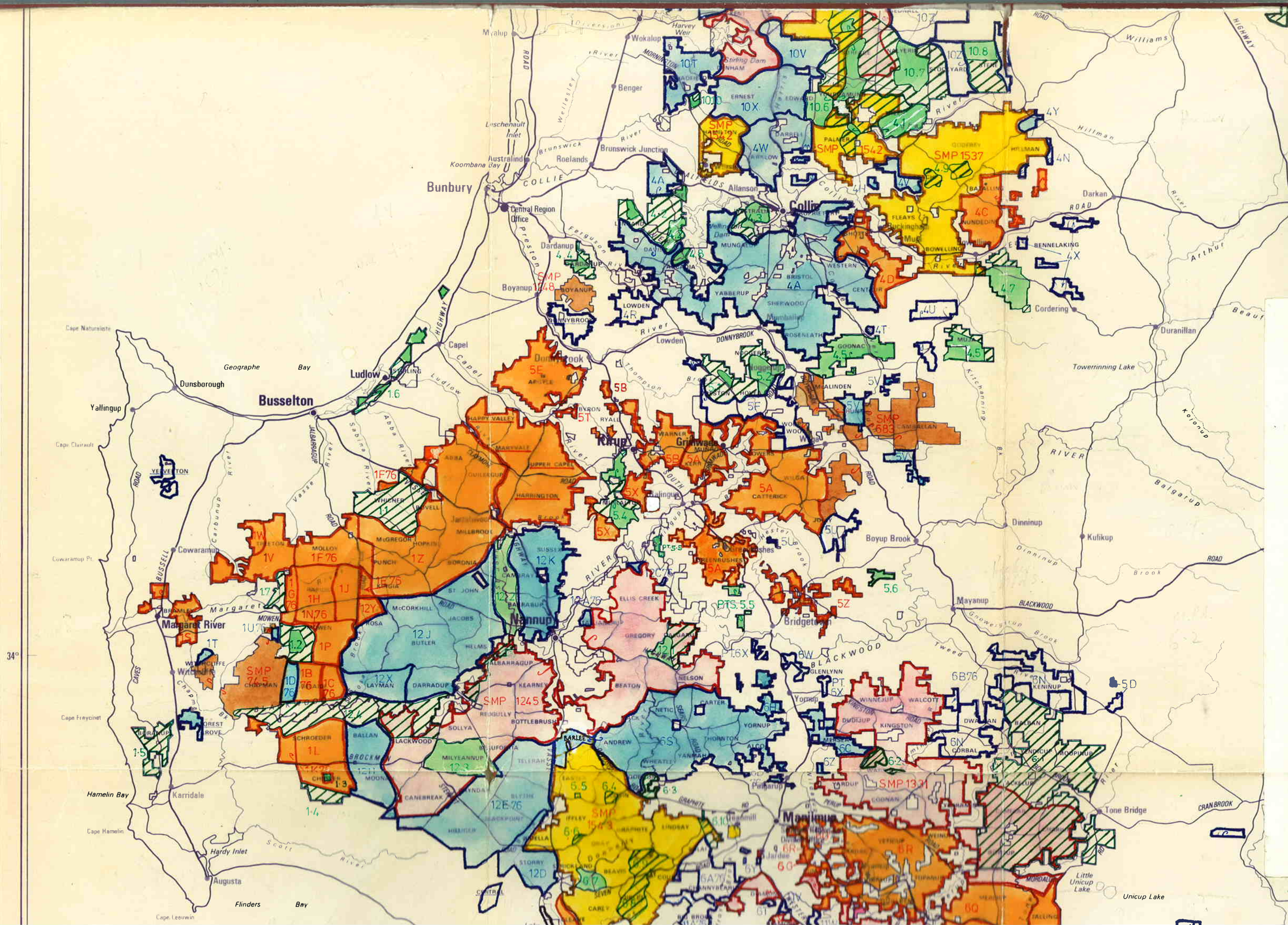


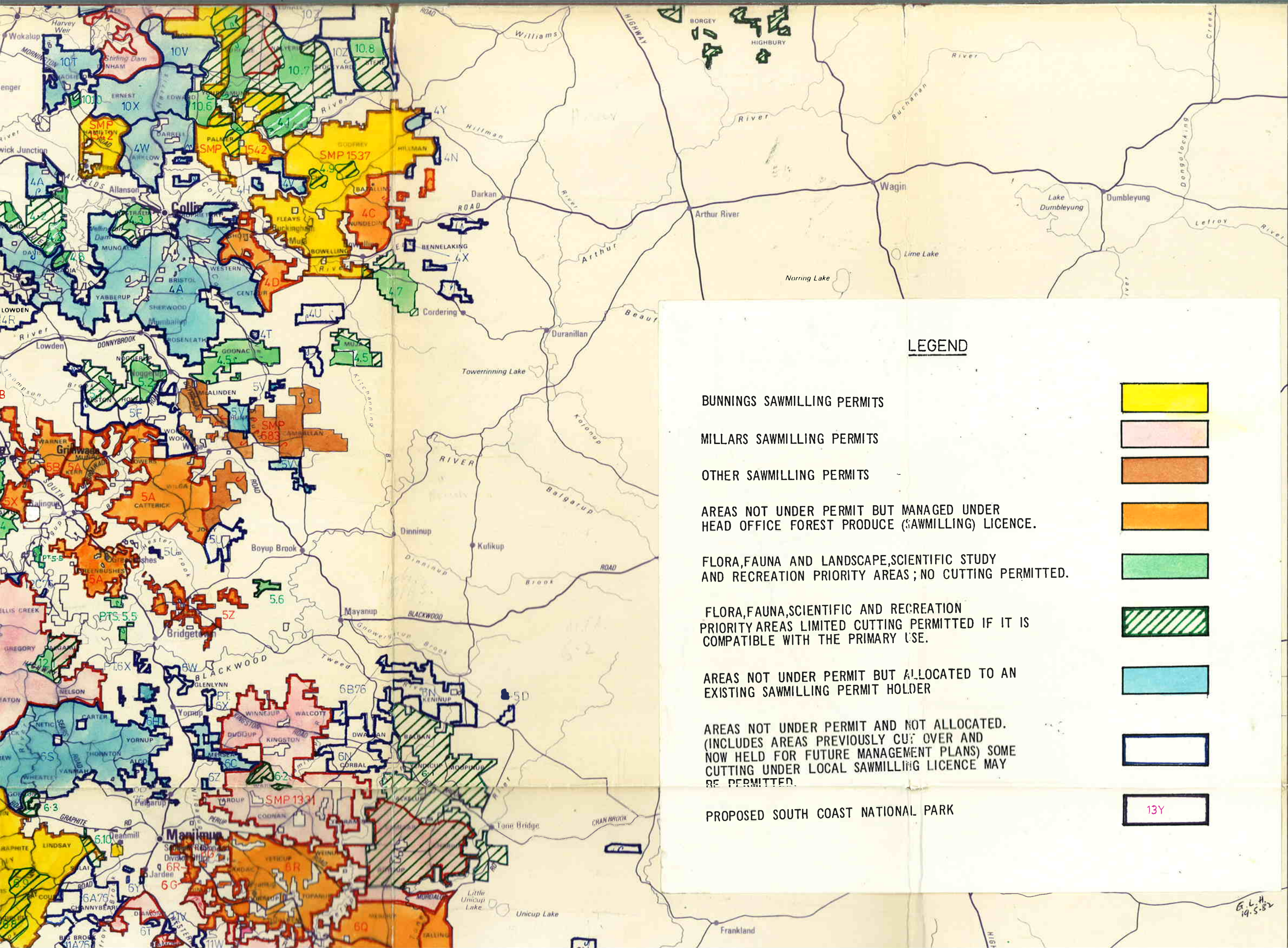


Como
Head and Northern
Region Office

32°

33°





LEGEND

BUNNINGS SAWMILLING PERMITS



MILLARS SAWMILLING PERMITS



OTHER SAWMILLING PERMITS



AREAS NOT UNDER PERMIT BUT MANAGED UNDER
HEAD OFFICE FOREST PRODUCE (SAWMILLING) LICENCE.



FLORA,FAUNA AND LANDSCAPE,SCIENTIFIC STUDY
AND RECREATION PRIORITY AREAS ;NO CUTTING PERMITTED.



FLORA,FAUNA,SCIENTIFIC AND RECREATION
PRIORITY AREAS LIMITED CUTTING PERMITTED IF IT IS
COMPATIBLE WITH THE PRIMARY USE.



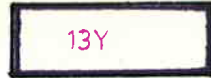
AREAS NOT UNDER PERMIT BUT ALLOCATED TO AN
EXISTING SAWMILLING PERMIT HOLDER



AREAS NOT UNDER PERMIT AND NOT ALLOCATED.
(INCLUDES AREAS PREVIOUSLY CUT OVER AND
NOW HELD FOR FUTURE MANAGEMENT PLANS) SOME
CUTTING UNDER LOCAL SAWMILLING LICENCE MAY
BE PERMITTED.



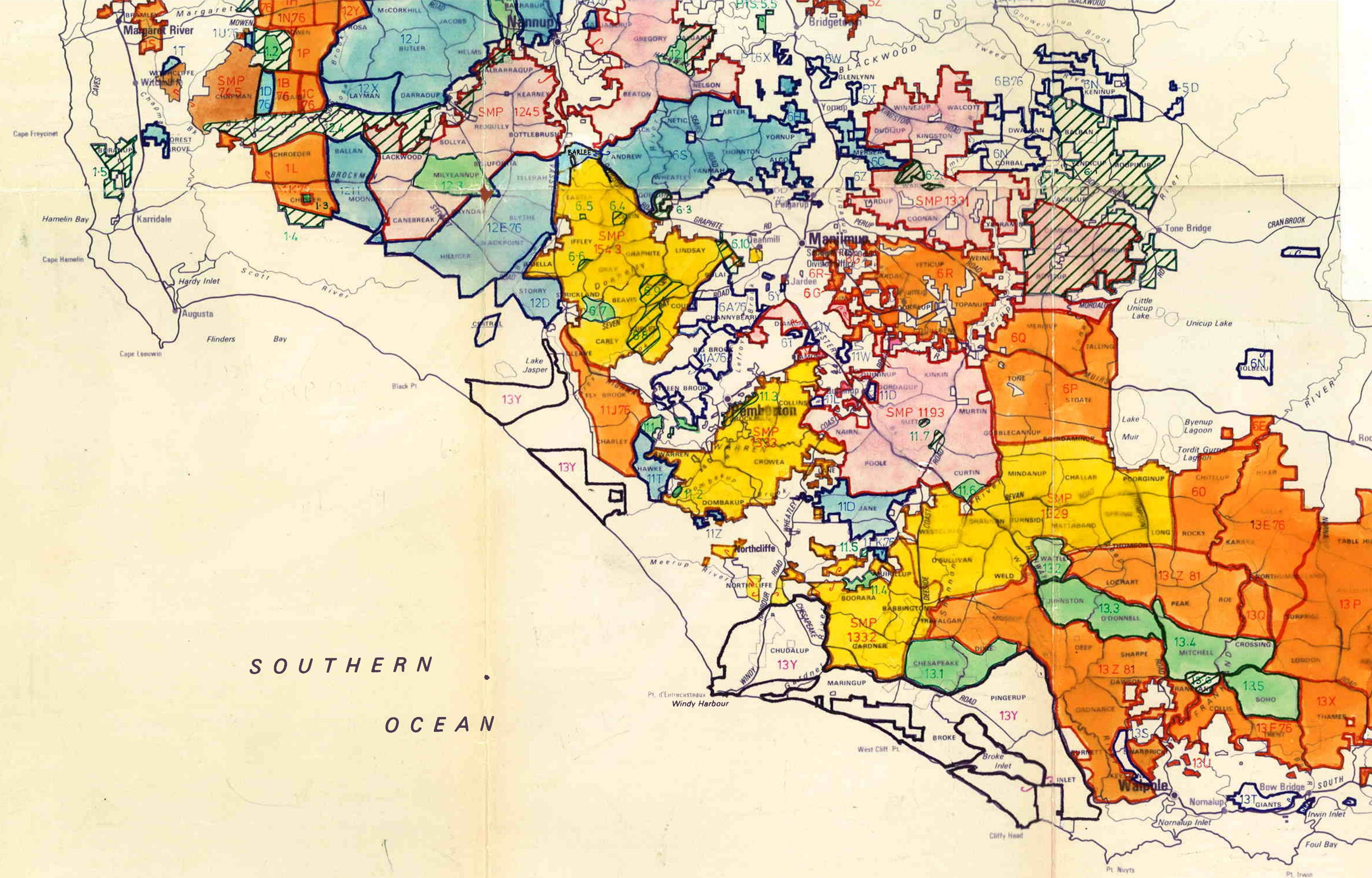
PROPOSED SOUTH COAST NATIONAL PARK



G.L.H.
19.5.82

34°

35°



SOUTHERN
OCEAN

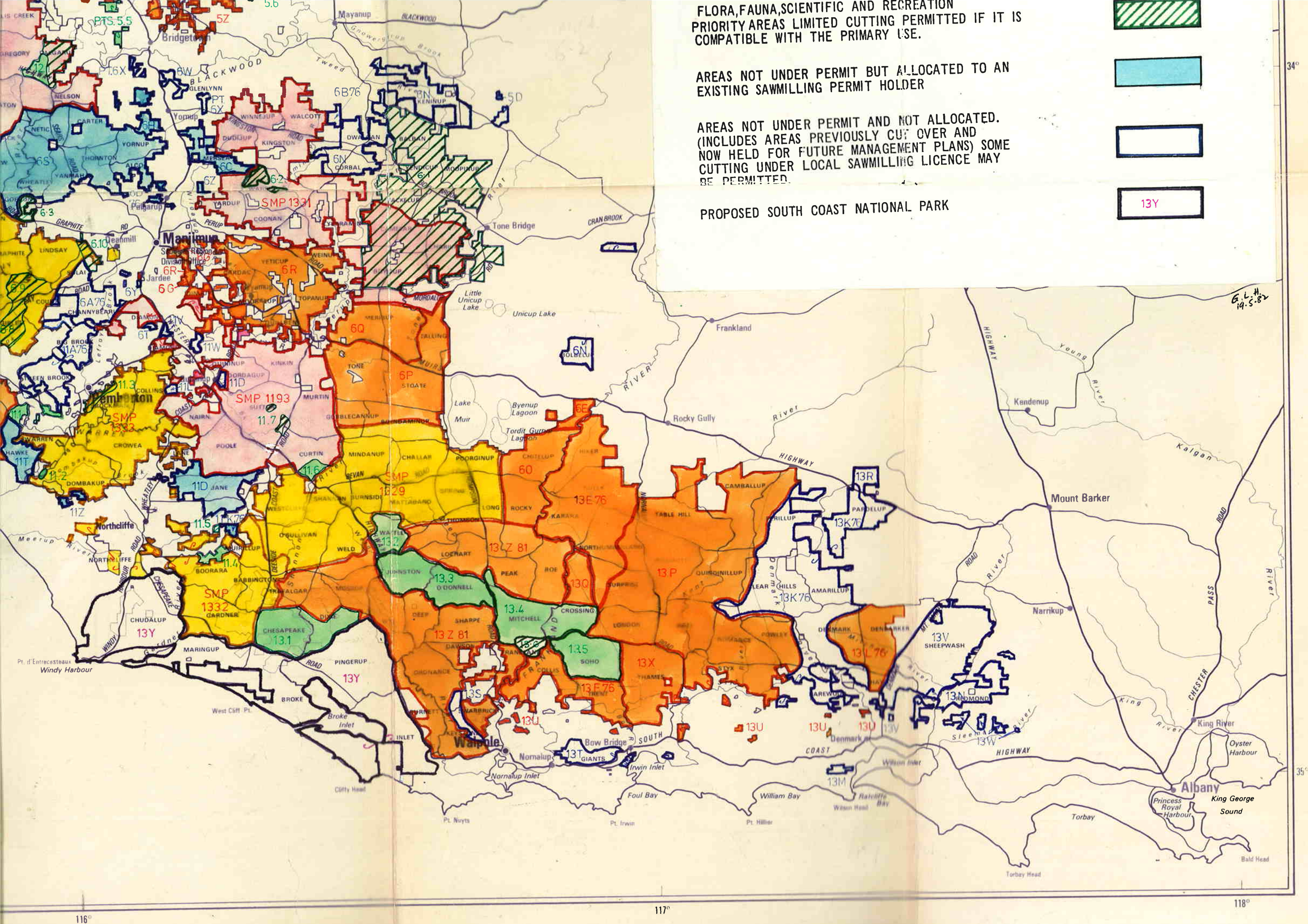
115°

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117°

AREAS NOT UNDER PERMIT BUT ALLOCATED TO AN
EXISTING SAWMILLING PERMIT HOLDER

PROPOSED SOUTH COAST NATIONAL PARK



G.L.H.
19.5.82