

**SWAN REGION**

**INFORMATION  
BOOKLET**

**May 1994**

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**DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
SWAN REGION**

CALM's Swan Region extends from the Moore River south along the eastern boundaries of Northam and Wandering Shires and west through Lane Poole Reserve and Peel Inlet. The western boundary follows the ocean and includes Garden, Carnac and Shoalwater Islands and Shoalwater and Marmion Marine Parks. Eastwards the boundary extends inland to take in the towns of Northam, York and Boddington.

The values and management of Swan Region are strongly influenced by Metropolitan Perth and large towns such as Northam, Pinjarra and Mandurah. Its boundaries include 2,154,179 ha of land (and sea) of which 694,943.7 ha (32%) is managed by CALM. Excluding the metro area, the region includes 40 local authorities, either in whole or in part, indicating the variety of interests in the land and waters (Appendix 1).

The Region's management responsibilities include protection and nature conservation, community education, providing for public recreation and interpretation, and sustainable production of timber, water and other natural resources, such as wildflowers and honey. Its lands vary considerably in purpose from nature reserves and national parks with a focus on conservation and recreation to State forest where multiple uses include catchment protection, recreation, nature conservation, timber production and mining.

**State Forests and Timber Reserves** constitute the bulk of CALM managed lands as proposed (447,400 ha, Appendix 2). The guiding principle is "sustainable management of all values". Major uses and activities include:

- Water catchment for Perth and some country areas.  
Approximately 90% of CALM lands within the region is within gazetted water catchment areas.
- Mining. Approximately 15 million tonnes of bauxite are mined from about 400 ha annually in state forest at Jarrahdale and Huntly as part of Alcoa's mining operations. To the end of 1992, 4674 ha of rehabilitation was established at Jarrahdale and Dwellingup (Huntly and Del Park minesites) as follows:

	<b>Dwellingup (ha)</b>	<b>Jarrahdale</b>
Jarrah	804	466
Marri	383	277
Total (all spp)	2439	2235

The Region's lands support the largest bauxite mining operation in the state with important economic implications.

The gold mines at Boddington are operated as open cut, with an area cleared of approximately 237 ha (combined area Alcoa and the Worsley Joint Venture). Removal of approximately 3 million tonnes of ore commenced in 1987. At this time the ore reserves were estimated to be capable of sustaining this level for about 15 years.

Limestone is mined on the coastal plain and sand from both the coastal plain and Darling Scarp (Mundaring District).

**National Parks** cover 35309.4 ha in the Region (1992 figure) and protect very significant conservation and recreation assets (Appendix 8). Several new National Parks and extension to existing parks are proposed. Recreation and interpretation is provided for at discrete sites within each park. Publications covering operations within parks, features and opportunities are available.

The similar categories, **Conservation Parks and 5g Reserves**, covered 53150 ha in 1992 (Appendix 9).

- Yanchep National Park has the heaviest National Park visitation in the state with important historic links as well as prime recreation facilities.
- The other parks: John Forrest, Walyunga, Avon Valley, Serpentine, Kalamunda, Greenmount, Gooseberry Hill and Moore River are popular and subject to considerable visitor pressure. It is important to strike the right balance between public use and conservation and CALM aims to achieve this balance primarily through its management plans.

**Nature Reserves** covered 40388 ha in 1992 (Appendix 10) although the System 6 "red book" plan for the Region proposes additional increases in land set aside for conservation purposes. These lands are set aside for management and protection of flora and fauna values.

- Matilda Bay is CALM's most visited reserve.
- Ellen Brook Nature Reserve is set aside for the world's rarest amphibian.
- Wetlands are a very important part of the region - including Forrestdale and Thomsons Lakes and the Peel Inlet which are acknowledged under international agreements and national heritage listing.

(Note: There are many other small and miscellaneous reserves within the Swan Region. These are summarised in Appendix 11)

**Marine Parks** currently 16,300 ha at Marmion, Shoalwater and Swan Estuary.

Set aside for protection and management of:

1. the conservation of limestone reefs, seagrass beds and habitat for migratory waders identified in international agreements,
2. recreation values
3. commercial values

It is estimated that 1.5 million visitors use Marmion Marine Park each year.

**Regional Parks** have no legislative base as yet and should be considered as a planning concept only. The Department of Planning and Urban Development are the lead agency in setting up Regional Parks. To date the majority of work has been to set up planning studies to determine park boundaries and to recommend on management organisation and tenures.

A Task Force reported to Cabinet in 1990 on proposals for management and funding for a 'core' group of regional parks. These are:

- Whiteman Park
- Herdsmen Lake
- Woodman Point
- Port Kennedy (also known as Port Kennedy Scientific Park)
- Canning River Wetlands (now known as Canning River Regional Park)
- Swan River (now known as Swan Estuary Marine Park - all 3 sections)
- Beeliar Wetlands
- Yellagonga
- Rockingham Lakes
- Darling Escarpment (now known as Darling Range Regional Park)

Cabinet has not yet given endorsement to the concept of Regional Park.

There is, however, a list of further areas which DPUD are recognising internally for planning purposes. These have not yet been endorsed by CALM. This list covers:

- Serpentine (the lower reaches of Serpentine River)
- Peel (the Peel-Harvey Estuary and surrounds)
- Jandakot Botanic Parks (once called Jandakot Banksia Park)
- Bold Park (includes Reabold Hill and Perry Lakes)
- Gnangara Regional Park (a different concept entirely to a Gnangara Urban Forest)

## **Protection**

The Region has the overall responsibility of managing the land to minimise damage from human activities. Considerable effort has been directed in fire control and reducing the spread of dieback disease, with an increasing commitment to minimising conflicts associated with potentially damaging recreation activities on the conservation estate. In recent years, more funding has been allocated to redevelop recreation facilities to provide for increased usage by the public.

The Region's staff of 221 (Appendix 12) are trained in fire control and supported by fire detection aircraft at Mundaring and Dwellingup, a fleet of water tankers, communications and heavy equipment for fire suppression. The important technique for minimising large severe fires has been strategic prescribed burning - (over approximately 48,200 ha in 1992/93 comprising Hardwood 37,300, Softwood 5,900, NP and NR 5,000) - to reduce the heavy litter fuel build-up which is the necessary prerequisite for such fires to develop. The average total area burnt under prescribed conditions per annum for the period 1985/86 to 1992/93 was 55,500 ha (Appendix 13).

Wildfires over the period 1987-88 to 1992-93 burnt out an area of approximately 7550 ha per annum, during the summer months (Appendix 14). (Range 1989/90: 1966 ha; 1988/89: 16180 ha). These fires are very costly to suppress and put many lives and property at risk.

The Department's dieback policies were last reviewed in 1992 and are applied by the Districts to all operations in susceptible vegetation types from the forested hills to the woodlands and heaths of the coastal plain. Criteria for risk and impact on the vegetation are assessed, and the necessary dieback hygiene requirements are identified for all activities such as mining, harvesting, roading and recreation sites (through the Dieback Hygiene Evaluation procedures developed in 1993).

There are also programs for control of weeds and feral animals which could be justifiably increased with a larger budget.

The operations of the Region are conducted from four district offices at Wanneroo, Mundaring, Jarrahdale and Dwellingup with a regional headquarters at Kelmscott.

The Perth District (based at Wanneroo) is the most northerly District and its principal responsibilities are the management of a large pine plantation, Yanchep National Park, two other National Parks and many Nature Reserves and requirements for protecting the Gnangara and Jandakot underground water supply areas and wetlands of the Swan Coastal Plain. Seven Regional Parks are proposed within Perth District.

Mundaring District extends from the Julimar (Wandoo) proposed Conservation Park in the north to the Brookton Highway. Management is complicated by the interface between urban development and natural lands in the Darling Scarp (proposed Regional Park). Priorities include recreation, interpretation and education in "The Hills Forest", protection of water catchments and a number of important National Parks (including John Forrest and Walyunga) and numerous Nature Reserves.

Jarrahdale District extends from Brookton Highway to a boundary south of Serpentine Dam. Protection of water catchment, recreation (Langford Park and Gooralong), supervision of bauxite mining and timber production (especially firewood) are the primary activities. Urban development along the Scarp is becoming an increasingly important issue. On the Swan Coastal Plain there are several important Nature Reserves and proposed Regional Parks. Major developments are occurring at Shoalwater Islands including upgrading of facilities at Penguin Island and a major interpretive display at Mersey Point.

Dwellingup is the most southerly district within the Region. It has important commitments to timber production and bauxite mining, with management of recreation at Lane-Poole Reserve along the Murray River. Dwellingup District also manages important Nature Reserves at the Peel Harvey estuary.

Swan Region Marine Operations are based at Marmion Marine Park, Hillarys. A staff of four manage Marmion, Shoalwater and Swan Estuary Marine Parks and other State waters within Swan Region. Some recreation and interpretive projects have been developed and extensive liaison is conducted with the Fisheries Department, Marine and Harbours (Transport) Department and other agencies for mutual aid and management purposes. Marine parks cover 16,300 ha.

**LOCAL GOVERNMENT AREAS - SWAN REGION**

Armadale	Melville
Bassendean	Mosman Park
Bayswater	Mundaring
Belmont	Murray
Beverley	Nedlands
Boddington	Northam
Brookton	Peppermint Grove
Canning	Perth
Chittering	Rockingham
Claremont	Serpentine-Jarrahdale
Cockburn	South Perth
Cottesloe	Stirling
East Fremantle	Subiaco
Fremantle	Swan
Gingin	Toodyay
Gosnells	Wandering
Harvey	Wanneroo
Kalamunda	Waroona
Kwinana	Williams
Mandurah	York

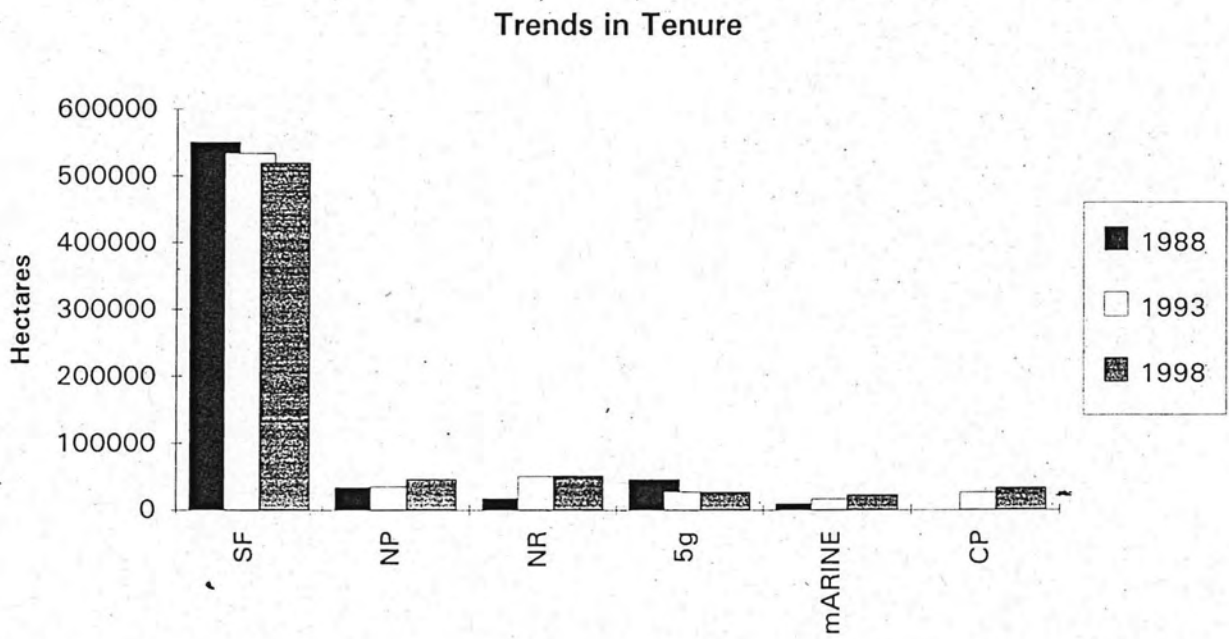


**THE CALM ESTATE WITHIN SWAN REGION AS PROPOSED IN THE  
FOREST MANAGEMENT PLAN 1994 - 2003**

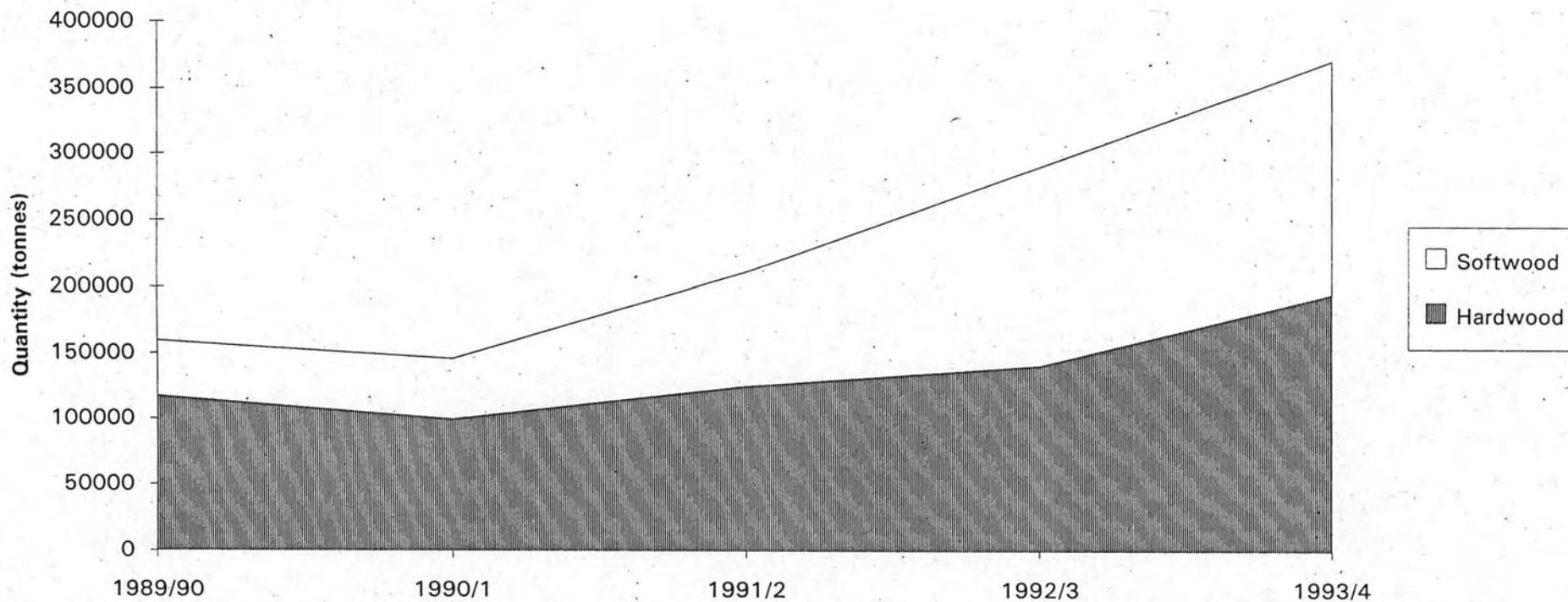
<b>Proposed Tenure</b>	<b>DISTRICT</b>				<b>TOTAL</b>
	<b>Perth</b>	<b>Mundaring</b>	<b>Jarrahdale</b>	<b>Dwellingup</b>	
National Park	5200	20400	19700		45300
Nature Reserve	51900	7200	2400	4500	66000
Conservation Park	4500	76000	15800	28800	125100
Other Reserve	2500		300	11800	14600
Forest Estate*	54400	106800	149500	136700	447400
<b>TOTAL LAND TENURE</b>	<b>118500</b>	<b>210400</b>	<b>187700</b>	<b>181800</b>	<b>698400</b>
Marine Park	16300				16300
<b>TOTAL</b>	<b>134800</b>	<b>210400</b>	<b>187700</b>	<b>181800</b>	<b>714700</b>

\* Includes: State Forest, timber reserve and other reserves, vested in Lands & Forests Commission and Executive Director (Vested and Freehold)

TENURE.XLS Chart 2



SWAN REGION  
FOREST RESOURCES PROGRAM  
TIMBER SUPPLY DATA (1989/90 - 1993/94)



## AREA STATE FOREST HARDWOOD CUTOVER SWAN REGION

AREA (ha)	DESCRIPTION
457019	External boundary
1618607	Unclassified
47735	Cutover < 1920
23240	Cutover 1920-29
63403	Cutover 1930-39
33300	Cutover 1940-49
69663	Cutover 1950-59
118135	Cutover 1960-69
11200	Cutover 1970
12937	Cutover 1971
12744	Cutover 1972
12855	Cutover 1973
11671	Cutover 1974
8811	Cutover 1975
8531	Cutover 1976
10105	Cutover 1977
6786	Cutover 1978
6545	Cutover 1979
7510	Cutover 1980
7538	Cutover 1981
7556	Cutover 1982
6289	Cutover 1983
5162	Cutover 1984
6344	Cutover 1985
4898	Cutover 1986
4558	Cutover 1987
5336	Cutover 1988
3758	Cutover 1989
3579	Cutover 1990
2265	Cutover 1991
4095	Cutover 1992
9012	Virgin Forest

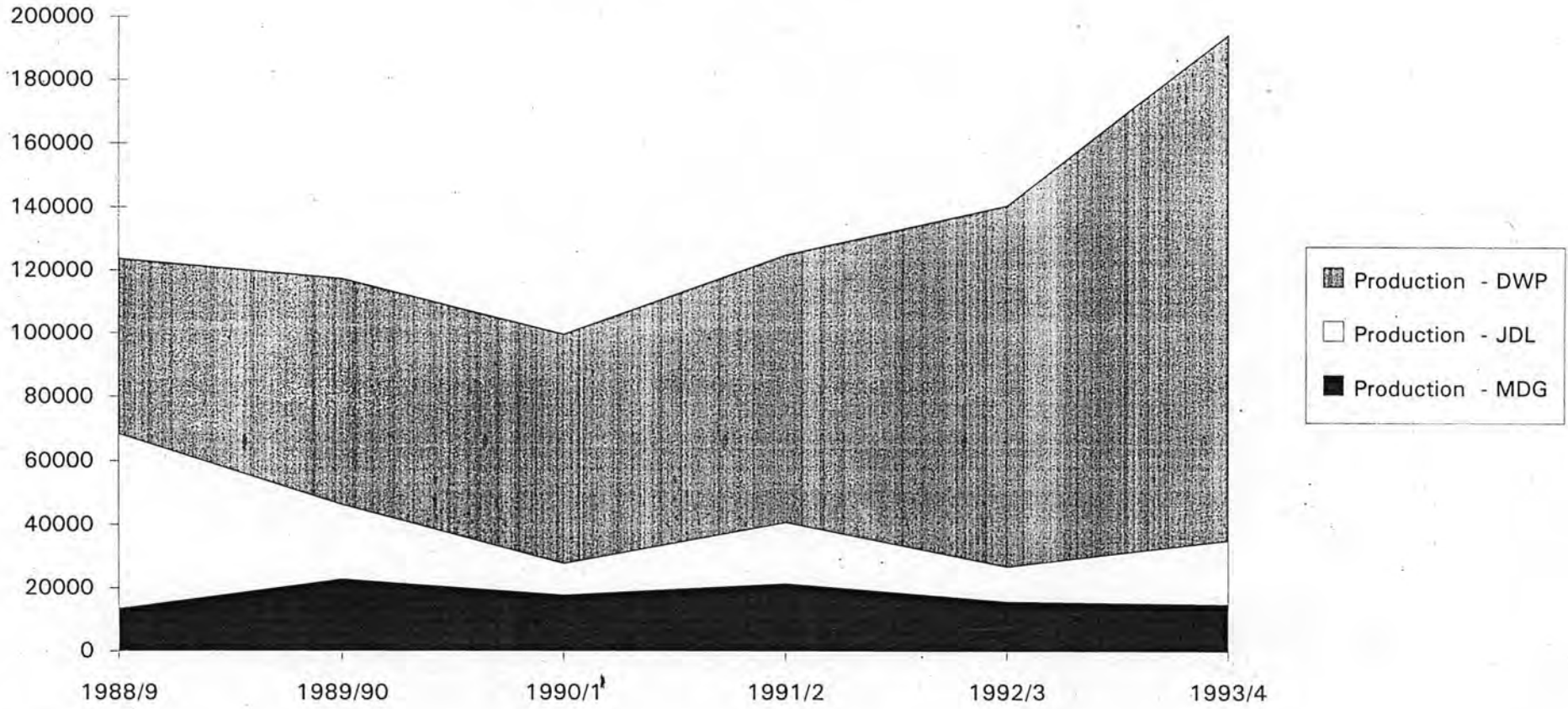
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Grand total area = 2,611,199 ha

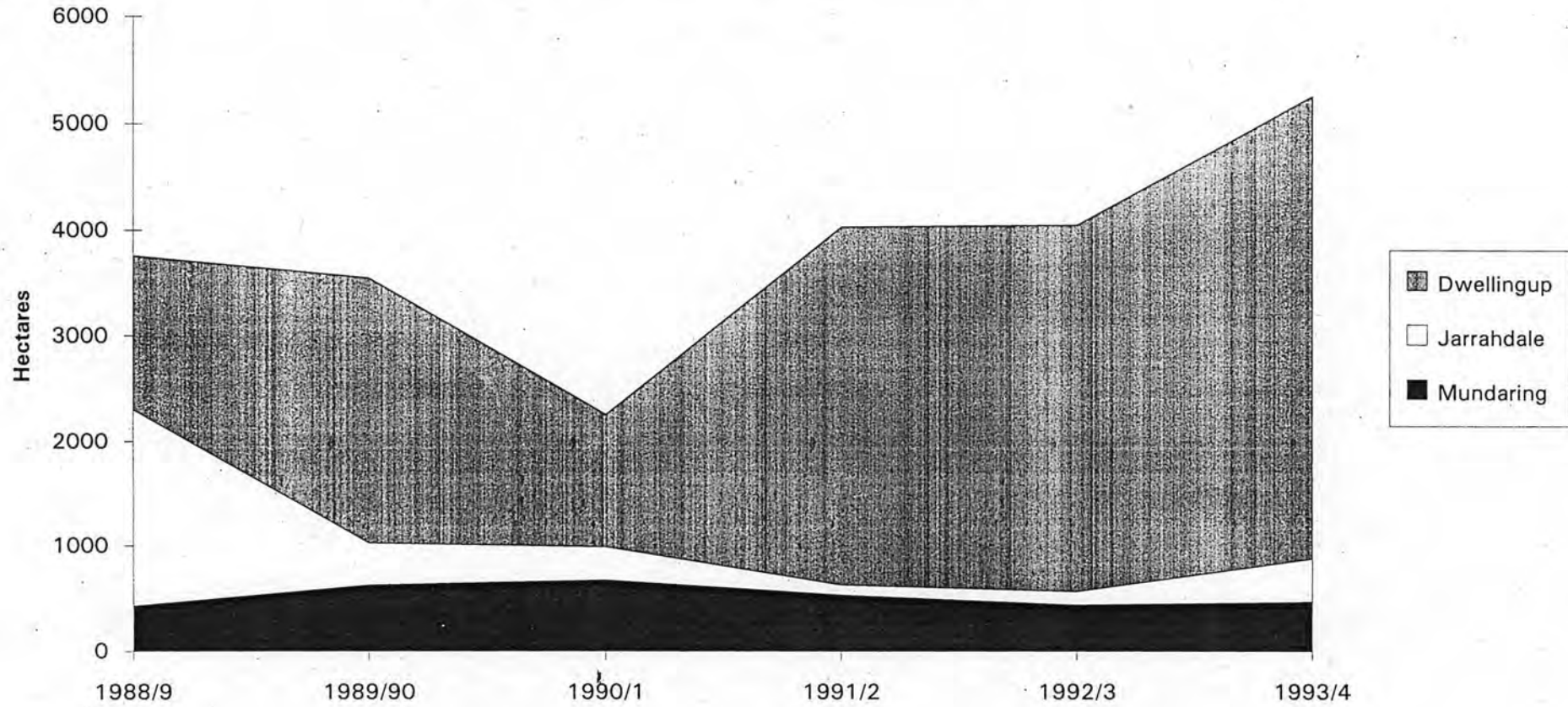
**HARDWOOD REMOVALS (m<sup>3</sup>) - SWAN REGION**

<b>Year</b>	<b>1st Grade</b>	<b>2nd Grade</b>	<b>3rd Grade</b>	<b>Special</b>	<b>Firewood (t)</b>
<b>1990/91</b>	48,300	22,800	30		20,200
<b>1991/92</b>	63,450	30,190		270	8,389
<b>1992/93 (as at 1/9/93)</b>	64,400	25,800	120		31,200

### Hardwood Production Trends



### Area Cutover in Integrated Operations



## HARDWOOD CUSTOMERS - SWAN REGION

Customer	Location	Premium Sawlogs	Grade 1 Sawlogs	Grade 2 Sawlogs	Grade 3 Sawlogs	SEC Poles	Firewood	Fencing	Wandoo Sawlogs	Industrial Wood	Sheoak Sawlogs
AGK	Narrogin								*		
Ashfield Sawmill	Bayswater		*	*							
Ashkate Timber	Keysbrook						*	*			
Attwell	Mundijong						*	*			
Beamon D	Westfield						*	*			
Beamon G	Westfield						*	*			
Bunnings	Jdl / Ylp		*								
Caporn	Swanview						*				
Coli Timber Products	Dwp, Mdh, Gsl		*	*							
Colli & Sons	Mdj, Dwp	*	*	*	*		*				
Deadwood	-				*		*				
Ferguson	Toodyay						*	*			
Fort	Dwellingup						*				
Francis	Pickering						*				
Fulgrabe	Bedfordale						*				
Haggett	Dwellingup						*				
Hamilton	Osborne Pk	*	*	*							
Inglewood	Inglewood										*
Jarra Case Factory	Bayswater		*	*							
Johnston	Carlisle						*				
Kalamunda	Kalamunda						*				
Keighley	Sw'bourne						*				



Customer	Location	Premium Sawlogs	Grade 1 Sawlogs	Grade 2 Sawlogs	Grade 3 Sawlogs	SEC Poles	Firewood	Fencing	Wandoo Sawlogs	Industrial Wood	Sheoak Sawlogs
Kerfoot	Jarrahdale						*				
Lesmurdie	Walliston						*				
Merenda	Balcatta						*				
Muller	Wandering		*	*							
Munut	Kelmscott						*				
Nettleton	Medina						*	*			
Pickering Brook S'mill	Pickering		*	*				*			
Pieri	Hazlemere						*	*			
Pinetec	Bassendean										
Readhead	Glen Forest						*				
Ridolfo	Dirkbrook						*				
Russell	Narrogin								*		
SECWA	Dirkbrook					*					
Slater	Cloverdale										
Slater & Scaffidi	Lesmurdie						*				
SPD	Swanview						*				
Steffanelli Sawmillers	Middle Swan		*	*	*						
Taylor	Beechboro						*				
Timber Traders	Cockburn	*	*	*							
Van Chac	Byford				*						
Wake & Beacham	Narrogin								*		
Walliston	Kalamunda						*				
White	Hazlemere						*				
Wesfi	Kewdale									*	
Wurc	Harvey										*
Zanki	Hamilton H.						*				

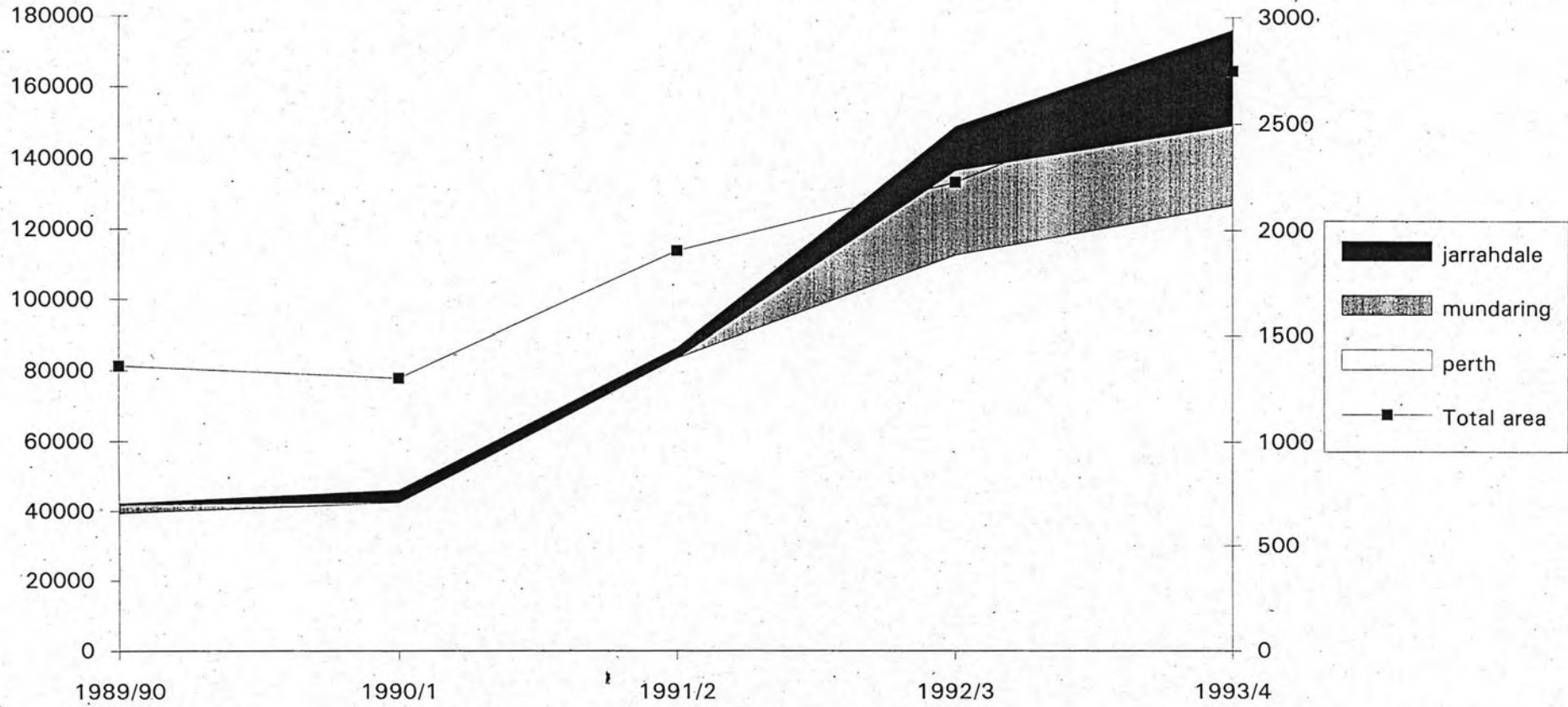
**HARDWOOD LOGGING CONTRACTORS  
(INTEGRATED ONLY) SWAN**

Bunnings Forest Products
Ridolfo
M Fort
Pickering Brook
C.O.P. Transport
Merenda
Munut



SUMMARY OF CALM & SHAREFARM PLANTATION AREAS BY PLANTING YEARS																																				
SWAN - PINASTER & OTHERS SPECIES - AS AT 31.12.91																																				
DISTRICT	PLANTATION	TOTAL	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	<1960	
CURRENT YEAR:	1992	AGE:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	>32	
D'WELLINGUP	MURRAY	14.4																																	0.0	
	TUMLO	0.4																					2.1	5.8											0.4	
	TURNER	40.5																																	0.4	
	Total for planting year	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.8	0.0	6.6	36.0	3.7	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.4	
Cumulative total	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	57.3	63.1	63.1	69.7	105.7	109.4	110.2	111.0	111.8	112.6	113.4	114.2	115.0	115.8	
JARRAHDAL	BELL	2.3																																	0.0	
	COOKE	292.4																																		0.0
	FROLLET	9.3																																		0.0
	GLENEAGLE	351.4																																		0.0
	KARNET	12.0																																		0.0
	Total for planting year	667.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.5	6.3	84.1	66.2	84.7	57.5	39.0	16.7	0.9	6.9	11.8	4.2	8.8	19.5
Cumulative total	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	669.8	677.3	683.6	767.7	833.9	918.6	976.1	992.8	1009.5	1026.2	1042.9	1059.6	1076.3	1093.0	1109.7	1126.4
MUNDARING	BARTON	30.7																																	0.0	
	BERAKING	41.9																																		0.0
	CARINYAH	15.2																																		0.0
	DALE	59.0																																		0.0
	GORRIE	248.0																																		0.0
	GREYSTONES	74.8																																		0.0
	HELENA	28.1																																		0.0
	WELLBUCKET	92.8																																		0.0
	Total for planting year	590.5	0.0	0.0	0.0	1.5	0.0	0.0	1.8	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	29.9	62.6	81.4	83.4	83.8	11.6	2.1	16.1	33.5	0.0	20.9	15.0	15.7	92.7
	Cumulative total	590.5	590.5	590.5	590.5	590.5	589.0	589.0	589.0	589.0	587.2	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	608.1	638.0	700.6	782.0	865.4	877.0	888.6	904.7	920.8	936.9	952.9	968.9	984.9	1000.9
PERTH	COLLIER	17.7																																	17.7	
	GNANGARA	7890.3	23	5.8	23.3	16.3	41.1	17.8	18.2	13.7	16.4	5.5																							0.4	
	MOORE	34.4																																		0.0
	PEEL	300.1																																		0.0
	PINJAR	7398.4																																		0.0
	YANCHEP	6599.4																																		
Total for planting year	22240.3	23.0	5.8	23.3	38.8	58.2	48.2	48.0	51.3	59.2	45.2	51.3	56.9	51.6	509.5	821.5	1002.1	1202.7	396.1	825.9	954.3	985.0	1028.6	1331.8	995.4	1058.5	786.1	476.2	439.7	239.2	266.6	410.0	210.5	3473.7		
Cumulative total	22240.3	22240.3	22217.3	22211.5	22188.2	22129.4	21542.2	21059.9	20579.8	20066.5	19468.3	19013.1	18499.8	17930.1	17413.4	16903.9	16082.4	15080.3	13877.6	13441.5	12855.6	11701.3	10716.3	9687.7	8355.9	7360.3	6302.0	5515.9	5039.7	4660.0	4360.8	4094.2	3884.2	3473.7		
Region total for year	23553.9	23.0	5.8	23.3	60.3	58.2	48.2	48.1	52.1	59.2	45.2	51.3	56.9	51.6	509.5	821.5	1003.4	1202.7	399.0	862.0	992.5	1137.5	1176.2	1506.5	1172.7	1112.8	804.9	494.0	480.1	251.0	291.7	433.8	245.7	3818.5		
Cumulative Region Total	23553.9	23553.9	23530.9	23525.1	23501.8	23441.5	22854.3	22372.0	21890.1	21369.1	20770.9	20315.7	19802.4	19232.7	18716.0	18206.5	17385.0	16381.6	15178.9	14779.9	13917.9	12925.4	11787.9	10611.7	9105.2	7932.5	6819.7	6014.8	5520.8	5040.7	4789.7	4498.0	4064.2	3818.5		

### Softwood Production and Area Cutover Trends - Swan Region



## SOFTWOOD VOLUMES

(Removed 1989/90 to April 1993)  
(Rounded to nearest 50m<sup>3</sup>)

	I.W.	S1,S2 & S3	S4	Rounds 1 &2	Xmas Tree	Total by Products
89/90	1150	11250	17100	3050	-	32550
90/91	26150	2350	12450	1300	200	42450
91/92	101450	2550	15650	1350	100	121100
92/93 (Apr)	80800	3250	20900	4700	100	109750

	I.W.	S1,S2 & S3	S4	Rounds 1 &2	Xmas Tree
<b>Commitments (1993/94) as at May 1993</b>	85000	5000m <sup>3</sup>	23000m <sup>3</sup>	5000m <sup>3</sup>	200m <sup>3</sup>

## SOFTWOOD - SWAN REGION

	1988/89 (ha)	Pin.& Rad. 1989/90 (ha)	Pin.& Rad. 1990/91 (ha)	Pin.& Rad. 1991/92 (ha)
Thinned	717	789	852	1742
Clearfelled	126	236	236	99
Planting	79	61	17	37.9

### Unofficial areas 1992/93:

Thinned	2706 ha (July 1 1992 to April 1993)
Clearfelled	89.8 ha
Planting	360 ha

**SOFTWOOD CUSTOMERS - SWAN REGION**

NAME	LOCATION	PRODUCT
Wesfi Peeler Plant	Victoria Park	Peelers for Veneer
Bunnings	Mundijong	Treated Pine Rounds
Pinetec	Bassendean	S2 + S4, Pallets - Packing cases
Western Case + Joinery Works	Osborne Park	S4
Wesfi MDF	Kewdale	Ind. Wood
YMCA		Christmas Trees
Paraquad		Christmas Trees
Life in Focus		Christmas Trees

**SOFTWOOD LOGGING CONTRACTORS - SWAN**

Softwood Logging Services - D Burmas
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**EUC. GLOBULUS SHAREFARMS  
SWAN REGION**

District	Planting Year	Plantation	CPT	Area	Owner
Jarrahdale	1988	Karnup	1	77.0	Wigg, A
	1988	Wellard	1	3.2	Fitzpatrick
	1989	Wellard	1	13.7	Fitzpatrick
Dwellingup	1988	Pinjarra	1	161.0	Alcoa
			2	209.8	Alcoa
			3	303.4	Alcoa
			4	191.1	Rhone Poulenc Chimie
Dwellingup	1989	Lakes	1	46.5	George Weston Foods
TOTAL:				1005.7	



## NATIONAL PARKS VESTED IN N.P.N.C.A.

(As at 30 June 1992)

(Not including proposed parks)

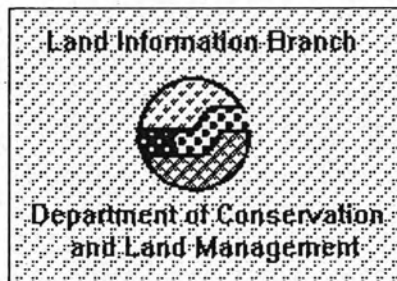
SHIRE	NUMBER	NAME	AREA (HA)	COMMENTS
Gingin	C↑28462	Moore River	17542.6	
Kalamunda	A↑21314	Kalamunda	374.9	
	A↑22515	Lesmurdie Falls	35.0	
	A↑26247	Lesmurdie Falls	20.6	
	A↑30200	Gooseberry Hill	32.9	
Mundaring	A↑7537	John Forrest	2676.4	
	A↑25313	Greenmount	57.6	
Serpentine / Jarrahdale	A↑28862	Serpentine	635.1	
	A↑39825	Serpentine	3727.0	
Swan, Toodyay	A↑2065	Walyunga	1811.9	
	A↑30192	Avon Valley	4368.4	
Wanneroo	A↑9868	Yanchep	2842.0	
	A↑24581	Pt Neerabup	116.4	
	A↑27575	Neerabup	1068.6	
		<b>Total</b>	<b>35309.4</b>	

CALM Tenure Information System - Report Generated on Thursday, 24 February 1994

National Park  
Listing by Reserve Number

Query Criteria: CALM Region - Swan

Special Comments:



Special Comments

<u>Crown Reserve</u>	<u>Class</u>	<u>Tenure</u>	<u>Name</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Purpose</u>
2065	A	National Park	Walyunga National Park	Unofficial	1,811.9	National Park
7537	A	National Park	John Forrest National Park	Gazetted	2,676.4	National Park
9868	A	National Park	Yanchep National Park	Gazetted	2,842.2	National Park
21314	A	National Park	Kalamunda National Park	Gazetted	374.9	National Park
22515	A	National Park	Lesmurdie Falls National Park	Gazetted	35.0	National Park
25313	A	National Park	Greenmount National Park	Gazetted	57.5	National Park
26247	A	National Park	Lesmurdie Falls National Park	Unofficial	20.6	National Park
27575	A	National Park	Neerabup National Park	Gazetted	1,068.6	National Park
28462	C	National Park	Moore River National Park	Gazetted	17,539.7	National Park
28862	A	National Park	Serpentine National Park	Gazetted	635.1	National Park
30192	A	National Park	Avon Valley National Park	Gazetted	4,366.5	National Park
30200	A	National Park	Gooseberry Hill National Park	Gazetted	32.9	National Park
39825	A	National Park	Serpentine National Park	Unofficial	3,727.5	National Park

**CONSERVATION AND/OR RECREATION RESERVES**  
**Vested in CALM**  
**(As at 30 June 1992)**

SHIRE	NUMBER	PURPOSE	AREA (HA)	VESTING / COMMENTS
Armadale	C↑21569	Recreation	27.4	NPNCA
Boddington	A↑39822	Conservation	2593.3	NPNCA / Lane Poole Res.
Beverley	A↑39824	Conservation	5798.3	NPNCA / Dale Cons. Park
	A↑39844	Conservation	0.4	NPNCA / Dale Cons. Park
Brookton	C↑26666	Conservation	9327.6	NPNCA / Lupton Cons.
Gingin	C↑21164	Cons. & Rec.	39.6	NPNCA
Murray	A↑5102	Rec.& Parkland	221.0	Executive Director
	A↑39819	Conservation	1545.0	NPNCA / Lane Poole Res.
	A↑39820	Conservation	3027.5	NPNCA / Lane Poole Res.
	A↑39827	Recreation	12359.0	NPNCA / Lane Poole Res.
	A↑39840	Conservation	80.9	NPNCA / Lane Poole Res.
	A↑39841	Conservation	64.7	NPNCA / Lane Poole Res.
	A↑29843	Conservation	0.4	NPNCA / Lane Poole Res.
Wandering	A↑39826	Conservation	15417.9	NPNCA / Monadnocks Cons.
Waroona	A↑39823	Conservation	2582.5	NPNCA / Lane Poole Res.
	A↑39842	Conservation	64.7	NPNCA / Lane Poole Res.
	A↑39845	Conservation	0.4	NPNCA / Lane Poole Res.
		TOTAL	53150.6	

CALM Tenure Information System - Report Generated on Thursday, 24 February 1994

**Conservation Park**  
**Listing by Reserve Number**

**Query Criteria:** CALM Region - Swan

**Special Comments:**



Special Comments

<u>Crown Reserve</u>	<u>Class</u>	<u>Tenure</u>	<u>Name</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Purpose</u>
988	C	Conservation Park		Un-Named	32.4	Conservation Park
990	C	Conservation Park		Un-Named	30.5	Conservation Park
26666	C	Conservation Park		Un-Named	9,327.6	Conservation Park
39819	A	Conservation Park	Lane Poole Reserve	Gazetted	1,755.4	Conservation Park And The Agreement Defined In S.2 Of The Alumina Refinery Agreement Act 1961
39820	A	Conservation Park	Lane Poole Reserve	Gazetted	3,028.0	Conservation Park And The Agreement Defined In S.2 Of The Alumina Refinery Agreement Act 1961
39822	A	Conservation Park	Lane Poole Reserve	Gazetted	2,593.3	Conservation Park And The Agreement Defined In S.2 Of The Alumina Refinery Agreement Act 1961
39823	A	Conservation Park	Lane Poole Reserve	Gazetted	2,582.5	Conservation Park And The Agreement Defined In S.2 Of The Alumina Refinery Agreement Act 1961
39824	A	Conservation Park	Dale Conservation Park	Unofficial	5,798.3	Conservation Park And The Agreement Defined In S.2 Of The Alumina Refinery Agreement Act 1961
41850	C	Conservation Park		Un-Named	1,208.7	Conservation Park

CALM Tenure Information System - Report Generated on Thursday, 24 February 1994

5(g) Reserve  
Listing by Reserve Number

Query Criteria: CALM Region - Swan

Special Comments:



Report Name: Listing by Reserve Number

## Special Comments

<u>Crown Reserve</u>	<u>Class</u>	<u>Tenure</u>	<u>Name</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Purpose</u>
4596	A	5(g) Reserve		Un-Named	65.0	Timber And Parklands
13971	C	5(g) Reserve		Un-Named	23.9	Water
17060	A	5(g) Reserve	Keanes Point Reserve	Unknown	2.3	Recreation And Purposes Incidental Thereto
17070	A	5(g) Reserve		Un-Named	12.5	Recreation Camping Enjoyment By Public For Holidays Thereon And For Purposes Ancillary Thereto
17375	A	5(g) Reserve	<i>MATILDA</i>	Un-Named	18.9	Recreation
21054	A	5(g) Reserve	East Perth Cemetery	Unofficial	4.4	Disused Burial Ground
21164	C	5(g) Reserve		Un-Named	39.6	Conservation And Recreation
21569	C	5(g) Reserve		Un-Named	27.4	Recreation
39411	C	5(g) Reserve		Un-Named	25.9	Quarry (Limestone)
39412	C	5(g) Reserve		Un-Named	33.4	Quarry (Limestone)
39413	C	5(g) Reserve		Un-Named	15.2	Quarry (Limestone)
39414	C	5(g) Reserve		Un-Named	101.1	Quarry (Limestone)
39826	A	5(g) Reserve	Monadnocks Conservation Park	Gazetted	15,417.9	Conservation And The Agreement Defined In S.2 Of The Alumina Refinery Agreement Act 1961
39827	A	5(g) Reserve	Lane Poole Reserve	Gazetted	12,357.8	Recreation And Enjoyment Of Natural Environment And The Agreement Defined In S.2 Of The Alumina Refinery Agreement Act 1961



**NATURE RESERVES VESTED IN CALM  
(NPNCA OR EXECUTIVE DIRECTOR)**

(As at 30 June 1992)

SHIRE	NUMBER	NAME	AREA (HA)	COMMENTS
Armadale	A↑1821		6.6	Metro
	C↑19662		138.1	
	A↑24781		246.2	Metro
	C↑36594		40.3	Metro
Beverly	A↑26897		16.2	
	C↑33188	Dobaderry	802.4	
	C↑34442	"	1895.6	
	C↑37306	"	1307.4	
Boddington	A↑32448	Moorapulling	631.7	Previously Mooradung
Brookton	C↑19740	Bartram	58.1	Now vested in NPNCA
	A↑36063	Strange Road	553.2	
	C↑36742	Brookton H'way	378.0	
	C↑38420	Wills	36.2	
	C↑41850	Boygarring	1208.7	Was Boygarring block
Chittering	C↑42	Burroloo Well	10.7	
	C↑965	Udumung	164.2	
	A↑4070	Barracca	17.4	
	A↑29538	Chittering Lakes	230.5	
	A↑32807	Mt Byroomanning	181.3	
	A↑37060	Chandala	135.9	
Cockburn	A↑15556		551.0	Metro
	A↑26646		18.8	Metro
	A↑29241		253.7	Metro
Kalamunda	C↑23076		19.7	Metro
Kwinana	C↑36110		30.6	Metro
Gingin	A↑1224	Brand Highway	116.8	Previously camping res.
	C↑9676	Yurine Swamp	29.7	
	A↑9838	Lake Wannamal	159.6	
	C↑15816		35.5	
	A↑24436		0.0	Cancelled
	C↑26756	Bampanup	101.0	
	C↑29905	Nabaroo	8.1	
	A↑31241	Yeal	337.0	
	C↑34761	Gingin Stock Route	49.7	Pt Nth of Gingin Brook Rd cancelled in 1986
	A↑38649	Mogumber	40.5	
	A↑39050	Wannamal	24.9	
	C↑41805		9250.0	
C↑41830		4722.2		
Melville	A↑35066		8.7	Metro

Mundaring	A↑11310 C↑11760 C↑14278 C↑30667 C↑30681	Needham  Beechina	6.9 4.1 91.6 58.9 24.3	Partly in Northam Shire
Murray	C↑2707 A↑2738 B↑4990 A↑6627 A↑16907 C↑19413 A↑23756  B↑24036 C↑24430 A↑24739 C↑28087 C↑33749 A↑39404 C↑40476 A↑41184	Carrabungup Mealup Point Austin Bay Lake Mealup Nine Mile Lake  Kooljerrenup  Austin Bay  McLarty Austin Bay Boodalan Lake McLarty	0.0 29.5 1588.3 37.1 113.0 38.6 1019.0  0.0 2.9 48.1 0.0 1.6 184.4 31.1 15.9	Cancelled     Kooljerranup includes ↑36126 in C.F.R. Cancelled  Cancelled Joint Vesting - Shire
Northam	C↑4623 A↑5644 C↑7220 C↑14275 C↑14276 A↑29977 C↑30363 A↑31211 C↑32400 A↑34772 A↑39247	Mortlock Throssell  Meenaar Woottating Mokine Clackline Meenaar Warranine	46.0 41.4 17.7 1486.1 543.7 71.8 233.8 289.0 672.2 29.5 35.2	
Rockingham	A↑24204 A↑31893 A↑31894		3.2 0.3 0.2	Metro Metro Metro
Swan	A↑25919 A↑27620 A↑27621 C↑41938 A↑42126	Copley Dale	5.4 67.2 155.3 3210.2 5.6	Metro Metro Metro
Serpentine / Jarrahdale	A↑2457 C↑23012 A↑25886 A↑28167 C↑32202 C↑33287	Modong Serpentine Karnet	70.7 27.4 155.9 33.0 302.0 293.3	Metro Metro Metro Metro
South Perth	A↑33803	Milyu	4.4	Metro
Stirling	C↑31906		5.3	Metro

Toodyay	C↑2393	Wattening	40.5	
	A↑3156		38.9	
	C↑19900	Poison Gully	87.2	
	C↑21429	Rugged Hills	252.0	
	C↑22096	Flat Rock Gully	386.1	
	A↑30191	Moondyne	1991.2	
	C↑30306	Bewmalling	39.2	
	A↑33254	Nanamoolan	9.5	
	A↑33697	Wongamine	298.8	
	A↑35291	Hoddy Well	4.6	
A↑38924	Morangup	931.6		
Wanneroo	C↑7349	Jandabup	245.7	Metro
	A↑21708		4.0	
	A↑31048		465.4	
Waroon	A↑5098	Marrarup	121.4	
York	A↑21981	Wambyn	215.2	
	C↑24179	Balkuling	11.9	
	A↑30591	St Ronans	118.2	
	A↑31192	Cullen	0.9	
	A↑39149	Wallaby Hills	59.2	
	C↑40642	Hardy	14.7	
		TOTAL:	40253.5	

## FREEHOLD NATURE RESERVES

(As at 30 June 1992)

SHIRE	LOCATION	NAME	AREA (HA)	COMMENTS
Gingin	3115	Mogumber	95.0	
	2117	Mogumber	40.5	
		TOTAL	135.5	

CALM Tenure Information System - Report Generated on Thursday, 24 February 1994

**Nature Reserve**  
**Listing by Reserve Number**

Query Criteria: CALM Region - Swan

Special Comments:



Report Name: Listing by Reserve Number

## Special Comments

<u>Crown Reserve</u>	<u>Class</u>	<u>Tenure</u>	<u>Name</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Purpose</u>
26756	A	Nature Reserve	Bampanup Nature Reserve	Gazetted	101.0	Conservation Of Flora And Fauna
27620	A	Nature Reserve	Ellen Brook Nature Reserve	Gazetted	67.2	Preservation Of Fauna Short Necked Tortoise
27621	A	Nature Reserve	Twin Swamps Nature Reserve	Gazetted	155.3	Preservation Of Fauna Short Necked Tortoise
28167	A	Nature Reserve		Un-Named	33.0	Conservation Of Flora And Fauna
29241	A	Nature Reserve	Harry Waring Marsupial Reserve Nature Reserve	Gazetted	253.7	Research And Conservation Of Flora And Fauna
29538	A	Nature Reserve	Chittering Lakes Nature Reserve	Gazetted	230.5	Conservation Of Fauna
29905	C	Nature Reserve	Nabaroo Nature Reserve	Unofficial	8.1	Conservation Of Flora And Fauna
29977	A	Nature Reserve	Meenar Nature Reserve	Gazetted	64.6	Conservation Of Flora And Fauna
30191	A	Nature Reserve	Moondyne Nature Reserve	Gazetted	1,991.2	Conservation Of Flora And Fauna
30306	A	Nature Reserve	Bewmalling Nature Reserve	Gazetted	37.6	Conservation Of Flora And Fauna
30363	C	Nature Reserve	Woottating Nature Reserve	Gazetted	233.8	Conservation Of Flora And Fauna
30591	A	Nature Reserve	St. Ronans Nature Reserve	Gazetted	118.2	Conservation Of Flora And Fauna
30667	C	Nature Reserve	Beechina Nature Reserve	Gazetted	58.9	Conservation Of Flora And Fauna
30681	C	Nature Reserve	Beechina North Nature Reserve	Unofficial	24.3	Conservation Of Flora
31048	A	Nature Reserve	Lake Joondalup Nature Reserve	Gazetted	465.4	Recreation And Conservation Of Flora And Fauna
31192	A	Nature Reserve	Cullen Nature Reserve	Gazetted	0.9	Conservation Of Flora And Fauna
31211	A	Nature Reserve	Mokine Nature Reserve	Gazetted	289.1	Conservation Of Flora And Fauna
31241	A	Nature Reserve	Yeal Nature Reserve	Unofficial	337.0	Conservation Of Flora And Fauna
31893	A	Nature Reserve	Third Rocks Nature Reserve	Gazetted	0.3	Conservation Of Flora And Fauna
31894	A	Nature Reserve	The Sisters Nature Reserve	Gazetted	0.2	Conservation Of Flora And Fauna
31906	C	Nature Reserve		Un-Named	5.3	Environmental Education And Conservation Of Flora And Fauna
32202	C	Nature Reserve	Karnet Nature Reserve	Unofficial	302.0	Conservation Of Flora And Fauna
32352	C	Nature Reserve		Un-Named	1.8	Preservation Of Flora
32400	C	Nature Reserve	Clackline Nature Reserve	Gazetted	693.7	Conservation Of Flora And Fauna
32448	A	Nature Reserve	Mooradung Nature Reserve	Gazetted	631.7	Conservation Of Flora And Fauna
32807	A	Nature Reserve	Mount Byroomanning Nature Reserve	Gazetted	181.3	Conservation Of Flora And Fauna
33188	C	Nature Reserve	Dobaderry Nature Reserve	Gazetted	802.4	Conservation Of Flora And Fauna
33254	A	Nature Reserve	Nanamoolan Nature Reserve	Unofficial	9.5	Conservation Of Flora And Fauna
33697	A	Nature Reserve	Wongamine Nature Reserve	Gazetted	298.8	Conservation Of Flora And Fauna
33749	C	Nature Reserve	Boodalan Nature Reserve	Gazetted	1.6	Recreation And Conservation Of Fauna
33803	A	Nature Reserve	Milyu Nature Reserve	Gazetted	4.4	Conservation Of Flora And Fauna
34442	C	Nature Reserve	Dobaderry Nature Reserve	Gazetted	1,895.6	Conservation Of Flora And Fauna
34761	C	Nature Reserve	Gingin Stock Route Nature Reserve	Unofficial	49.7	Conservation Of Flora And Fauna
34772	A	Nature Reserve	Meenaar Nature Reserve	Unofficial	29.6	Conservation Of Flora And Fauna
35066	A	Nature Reserve	Alfred Cove Nature Reserve	Gazetted	8.7	Conservation Of Flora And Fauna
35291	A	Nature Reserve	Hoddy Well Nature Reserve	Unofficial	4.6	Conservation Of Flora And Fauna
36063	A	Nature Reserve	Strange Road Nature Reserve	Gazetted	553.2	Conservation Of Flora And Fauna
36096	C	Nature Reserve		Un-Named	486.4	Conservation Of Flora And Fauna
36110	C	Nature Reserve		Un-Named	30.6	Conservation Of Flora And Fauna And Water
36594	C	Nature Reserve	Piara Nature Reserve	Gazetted	40.3	Conservation Of Flora And Fauna
36742	C	Nature Reserve	Brookton Highway Nature Reserve	Gazetted	378.0	Conservation Of Flora And Fauna
37060	A	Nature Reserve	Chandala Nature Reserve	Gazetted	135.9	Conservation Of Flora And Fauna
37306	C	Nature Reserve	Dobaderry Nature Reserve	Gazetted	1,307.4	Conservation Of Flora And Fauna
38420	C	Nature Reserve	Wills Nature Reserve	Gazetted	36.2	Conservation Of Flora And Fauna
38649	A	Nature Reserve	Mogumber Nature Reserve	Gazetted	40.5	Conservation Of Flora And Fauna
38924	A	Nature Reserve	Morangup Nature Reserve	Gazetted	931.6	Conservation Of Flora And Fauna

Report Name: Listing by Reserve Number

## Special Comments

<u>Crown Reserve</u>	<u>Class</u>	<u>Tenure</u>	<u>Name</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Purpose</u>
39050	A	Nature Reserve	Wannamal Nature Reserve	Unofficial	24.9	Conservation Of Flora And Fauna
39149	A	Nature Reserve	Wallaby Hills Nature Reserve	Gazetted	59.2	Conservation Of Flora And Fauna
39247	A	Nature Reserve	Warranine Nature Reserve	Gazetted	35.2	Conservation Of Flora And Fauna
39404	A	Nature Reserve	Lake McLarty Nature Reserve	Unofficial	184.4	Conservation Of Flora And Fauna
40476	A	Nature Reserve		Un-Named	31.1	Conservation Of Flora And Fauna
40642	C	Nature Reserve		Un-Named	14.7	Conservation Of Flora And Fauna
41184	A	Nature Reserve		Un-Named	15.9	Conservation Of Flora And Fauna
41701	C	Nature Reserve		Un-Named	111.6	Conservation Of Flora And Fauna
41805	C	Nature Reserve		Un-Named	9,250.0	Conservation Of Flora And Fauna
41830	C	Nature Reserve		Un-Named	4,722.2	Conservation Of Flora And Fauna
41938	C	Nature Reserve		Un-Named	3,210.2	Conservation Of Flora And Fauna
42126	A	Nature Reserve		Un-Named	5.6	Conservation Of Flora And Fauna
42237	C	Nature Reserve		Un-Named	0.1	Conservation Of Flora And Fauna
42238	C	Nature Reserve		Un-Named	0.2	Conservation Of Flora And Fauna
42370	C	Nature Reserve	Camerer Nature Reserve	CALM Approved	170.9	Conservation Of Flora And Fauna
42432	C	Nature Reserve	Bobakine Nature Reserve	Unofficial	160.9	Conservation Of Flora And Fauna
42450	C	Nature Reserve	Yeal Nature Reserve	Unofficial	10,356.8	Conservation Of Flora And Fauna And Water
42469	C	Nature Reserve		Un-Named	50.1	Conservation Of Flora And Fauna
42743	C	Nature Reserve		Un-Named	155.1	Conservation Of Flora And Fauna
42808	C	Nature Reserve	Drummond Nature Reserve	CALM Approved	439.0	Conservation Of Flora And Fauna

Report Name: Listing by Reserve Number

## Special Comments

<u>Crown Reserve</u>	<u>Class</u>	<u>Tenure</u>	<u>Name</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Purpose</u>
42	C	Nature Reserve	Burroloo Well Nature Reserve	Unofficial	10.7	Conservation Of Flora And Fauna
965	C	Nature Reserve	Udamung Nature Reserve	Gazetted	201.5	Conservation Of Flora And Fauna
1224	A	Nature Reserve		Un-Named	116.8	Conservation Of Flora And Fauna And Water
1654	C	Nature Reserve	Bullsbrook Nature Reserve	Unofficial	119.6	Conservation Of Flora And Fauna
1821	C	Nature Reserve	Ballanup Lake Nature Reserve	Unofficial	6.6	Conservation Of Flora And Fauna
2393	C	Nature Reserve	Wattening Nature Reserve	Gazetted	40.5	Conservation Of Flora And Fauna
2457	A	Nature Reserve		Un-Named	70.7	Conservation Of Flora And Fauna
2738	A	Nature Reserve	Mealup Point Nature Reserve	Gazetted	29.5	Conservation Of Flora And Fauna
3156	A	Nature Reserve		Un-Named	39.0	Conservation Of Flora And Fauna
4070	A	Nature Reserve	Barracca Nature Reserve	Gazetted	17.4	Conservation Of Flora And Fauna
4990	A	Nature Reserve	Austin Bay Nature Reserve	Gazetted	1,658.8	Conservation Of Flora And Fauna
5644	A	Nature Reserve	Mortlock Nature Reserve	Unofficial	41.4	Conservation Of Flora And Fauna
6627	A	Nature Reserve	Lake Mealup Nature Reserve	Unofficial	37.1	Conservation Of Flora And Fauna
7220	A	Nature Reserve	Throssell Nature Reserve	Gazetted	17.7	Conservation Of Flora And Fauna
7349	C	Nature Reserve	Jandabup Nature Reserve	Gazetted	245.7	Conservation Of Fauna
8185	A	Nature Reserve	Creery Island Nature Reserve	Unofficial	74.1	Conservation Of Flora And Fauna
9676	A	Nature Reserve	Yurine Swamp Nature Reserve	Gazetted	29.7	Conservation Of Flora And Fauna
9838	A	Nature Reserve	Lake Wannamal Nature Reserve	Gazetted	159.6	Conservation Of Flora And Fauna
11140	C	Nature Reserve	Parkerville Nature Reserve	Unofficial	4.1	Conservation Of Flora
11310	A	Nature Reserve	Needham Nature Reserve	Gazetted	6.9	Conservation Of Flora And Fauna
14275	C	Nature Reserve	Woondowing Nature Reserve	State	1,532.1	Conservation Of Flora And Fauna
14276	C	Nature Reserve	Kwolyinine Nature Reserve	State	543.7	Conservation Of Flora And Fauna
14278	C	Nature Reserve	Keaginine Nature Reserve	Approved	91.6	Conservation Of Flora And Fauna
15556	A	Nature Reserve	Thomsons Lake Nature Reserve	CALM	551.0	Fauna Conservation And Research And Drainage
15816	C	Nature Reserve		Gazetted	35.5	Conservation Of Flora And Fauna
15928	C	Nature Reserve		Un-Named	19.4	Conservation Of Flora And Fauna
16907	A	Nature Reserve	Nine Mile Lake Nature Reserve	Un-Named	113.1	Conservation Of Flora And Fauna
19413	C	Nature Reserve	North Dandalup Nature Reserve	Gazetted	38.6	Conservation Of Flora And Fauna
19662	C	Nature Reserve		Unofficial	132.8	Conservation Of Flora And Fauna
19740	C	Nature Reserve	Bartram Nature Reserve	Un-Named	58.1	Conservation Of Flora And Fauna
19900	C	Nature Reserve	Poison Gully Nature Reserve	Gazetted	87.2	Conservation Of Flora And Fauna
21429	A	Nature Reserve	Rugged Hills Nature Reserve	Gazetted	252.0	Conservation Of Flora And Fauna
21708	A	Nature Reserve	Lake Joondalup Nature Reserve	Gazetted	4.0	Protection Of Flora And Fauna
21981	A	Nature Reserve	Wambyn Nature Reserve	Gazetted	215.2	Conservation Of Flora And Fauna
22096	A	Nature Reserve	Flat Rock Gully Nature Reserve	Gazetted	386.1	Conservation Of Flora And Fauna
23012	C	Nature Reserve		Gazetted	27.4	Conservation Of Flora
23076	A	Nature Reserve		Un-Named	19.7	Conservation Of Flora And Fauna
23756	A	Nature Reserve	Kooljerrenup Nature Reserve	Un-Named	1,019.0	Conservation Of Flora And Fauna
24179	C	Nature Reserve	Balkuling Nature Reserve	Gazetted	11.9	Conservation Of Flora And Fauna
24204	A	Nature Reserve	Shoalwater Bay Islands Nature Reserve	Unofficial	3.2	Conservation Of Flora And Fauna
24430	C	Nature Reserve	Meelon Nature Reserve	Gazetted	2.9	Protection Of Flora
24581	A	Nature Reserve	Neerabup Nature Reserve	Unofficial	129.1	Conservation Of Flora And Fauna
24739	A	Nature Reserve	Mclarty Nature Reserve	Gazetted	48.1	Conservation Of Flora And Fauna
24781	A	Nature Reserve	Forrestdale Lake Nature Reserve	Gazetted	246.2	Conservation Of Flora And Fauna
25886	A	Nature Reserve	Modong Nature Reserve	Gazetted	155.9	Conservation Of Flora And Fauna
25919	A	Nature Reserve	Copley Dale Nature Reserve	Gazetted	5.4	Conservation Of Flora And Fauna
26646	A	Nature Reserve	Carnac Island Nature Reserve	Gazetted	18.8	Recreation And Conservation Of Fauna

## OTHER RESERVES UNDER CALM CONTROL & UNDER LANDS ACT

(As at 30 June 1992)

\*\* Lands under CALM control not considered in this paper are:

1. State Forest
2. Timber Reserve (25) under CALM Act.
3. Some land held freehold by the Executive Director

SHIRE	NUMBER	PURPOSE	AREA (HA)	VESTING/COMMENTS
Armadale	C↑40094	Office and Depot site	2.0	Executive Director
Boddington	A↑4596	Timber & Park.	64.7	Lands & Forests Comm.
Mandurah	C↑39031	National Park Housing	2.0	NPNCA
Murray	C↑13917	Dwellingup office	1.9	Not Vested
	C↑19276	Forestry purposes	0.5	Not vested
	C↑19551	Forestry purposes	0.7	Not vested
	C↑41160	Foreshore Mgmt.	7.6	NPNCA
Peppermint Grove	A↑17060	Recreation	2.3	NPNCA - Metro
Perth	A↑21054	Disused Grave	4.4	NPNCA - Metro
	C↑25631	Public Park	0.5	NPNCA - Metro
Jarrahdale	C↑8445	Educational purposes	1.0	Executive Director J'dale Study Centre
Rockingham	A↑17070	Rec'n. & camping	12.4	NPNCA - Metro
	C↑37090	Explosives & For.	484.8	Min. Mines and Exec. Director
South Perth	C↑20804	Recreation	0.2	NPNCA
	C↑26916	CALM HQ	18.4	Executive Director
Subiaco	A↑17375	Recreation	18.9	NPNCA - Metro
	A↑40891	Marine Park	3.9	NPNCA - Metro
Toodyay	A↑30193	Timber	5143.0	Executive Director
Wanneroo	C↑6058	For. purposes	1.8	Not vested
	C↑21176	For. " Pine Seed Orchard	11.2	Executive Director
	C↑25401	For. purposes	1.6	Not vested
	C↑29246	CALM HQ	15.2	Executive Director
	C↑30809	Research & Cons.F&F	39.0	Exec. Director - Metro
		<b>TOTAL</b>	<b>5838.0</b>	



**CONSERVATION OF FLORA AND/OR FAUNA RESERVES  
NOT UNDER CALM CONTROL**

(As at 30 June 1992)

SHIRE	NUMBER	PURPOSE	AREA (HA)	VESTING
Armadale	C↑5704		205.9	WAWA
Gingin	C↑7504	Water & Cons. F&F	485.0	Min. Water Resources
Mandurah	C↑27810	Conserv'n. F&F	3.3	Mandurah Shire
Mundaring	C↑11140	Conserv'n. F&F	4.0	Not vested
Murray	C↑6268	Timber & Flora	15.6	Not vested
		<b>TOTAL</b>	<b>713.8</b>	

**NATIONAL PARKS NOT UNDER CALM CONTROL**

SHIRE	NUMBER	PURPOSE	AREA (HA)	COMMENTS
Mundaring	C↑23537	Burkinshaw	11.3	Not vested
Murray	A↑20215	Murray River Delta Islands	78.5	Vested in Shire
		<b>TOTAL</b>	<b>89.8</b>	

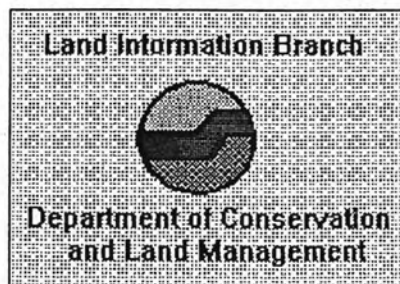
CALM Tenure Information System - Report Generated on Wednesday, 30 March 1994

**Marine Parks (Land Component)**  
**Area Statement By Region, District, Tenure and Name**

**Query Criteria:**

Marine Parks (Land Component) within CALM Region - Swan

**Special Comments:**



**Query Criteria**

Marine Parks (Land Component) within CALM Region - Swan

**Special Comments**

**Region: Swan**

**District: Perth**

**Tenure: Marine Park**

<u>Name</u>	<u>Name</u> <u>Approval</u>	<u>Crown</u> <u>Reserve</u>	<u>Gazetted</u> <u>Area (ha)</u>
Marmion Marine Park	Gazetted	39872	0.4
Marmion Marine Park	Gazetted	39873	0.2
Swan Estuary Marine Park	Gazetted	40891	5.5
	Marine Park within Perth subtotal		6.1 ha

**Marine Parks (Land Component) within Perth District**

No. of Marine Parks (Land Component) meeting query criteria: 3  
Area: 6.1 ha

**Marine Parks (Land Component) within Swan Region**

No. of Marine Parks (Land Component) meeting query criteria: 3  
Area: 6.1 ha

**Notes:**

Information shown must be considered in the context of the applied query criteria as detailed in full on the cover sheet.

Asterisks indicate that the parcel is not entirely within the Region/District/LGA. The area shown therefore represents the approximate portion of the parcel's gazetted area within the Region/District/LGA. The area of the whole parcel as gazetted is shown in parentheses.

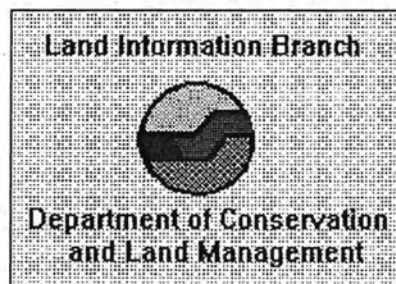
CALM Tenure Information System - Report Generated on Wednesday, 30 March 1994

**Marine Reserves**  
**Listing by Name**

**Query Criteria:**

Marine Reserves within CALM Region - Swan

**Special Comments:**



**Query Criteria**

Marine Reserves within CALM Region - Swan

**Special Comments**

Name: **Marmion Marine Park**  
Tenure: Marine Park Class: A  
Purpose: Marine Park  
Vesting: National Parks And Nature Conservation Authority

<u>Component</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Estimated Area (ha)</u>
Marine Reserve 1	Gazetted	-	

Report Name: Listing by Name

**Query Criteria**

Marine Reserves within CALM Region - Swan

**Special Comments**

Name: **Swan Estuary Marine Park**  
Tenure: Marine Park Class: A  
Purpose: Marine Park  
Vesting: National Parks And Nature Conservation Authority

<u>Component</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Estimated Area (ha)</u>
Marine Reserve 4	Gazetted	-	

Report Name: Listing by Name

**Query Criteria**

Marine Reserves within CALM Region - Swan

**Special Comments**

Name: **Shoalwater Islands Marine Park**  
Tenure: Marine Park Class: A  
Purpose: Marine Park  
Vesting: National Parks And Nature Conservation Authority

<u>Component</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Estimated Area (ha)</u>
Marine Reserve 5	Gazetted	-	

CALM Tenure Information System - Report Generated on Thursday, 24 February 1994

**Timber Reserve**  
**Listing by Reserve Number**

**Query Criteria:** CALM Region - Swan

**Special Comments:**





Special Comments

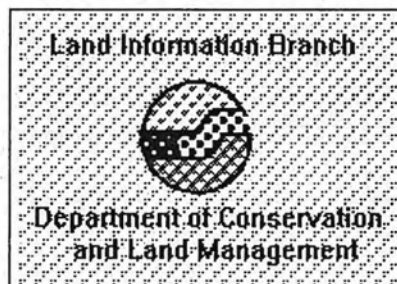
<u>Timber Reserve</u>	<u>Class</u>	<u>Tenure</u>	<u>Name</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Purpose</u>
145 / 25	C	Timber Reserve		Un-Named	651.9	
146 / 25	C	Timber Reserve		Un-Named	13,293.2	
147 / 25	C	Timber Reserve		Un-Named	1,927.1	
151 / 25	C	Timber Reserve		Un-Named	1,359.8	
160 / 25	C	Timber Reserve		Un-Named	3,222.1	

CALM Tenure Information System - Report Generated on Thursday, 24 February 1994

**Freehold held by CALM**  
**Area Statement by Region, District and Title**

**Query Criteria:** CALM Region - Swan

**Special Comments:**



Report Name: Area Statement by Region, District and Title

Special Comments

**Region: Swan**

**District: Dwellingup**

<u>Title No.</u>	<u>Title Area (ha)</u>
1232 / 218	49.7
1837 / 849	77.7
1837 / 851	100.4

**Freehold held by CALM within Dwellingup District 227.8ha**

Special Comments

Region: Swan

District: Jarrahdale

<u>Title No.</u>	<u>Title Area (ha)</u>
1041 / 474	1,604.9 *** (portion of 3,209.7)

Freehold held by CALM within Jarrahdale District 1,604.9ha

Special Comments

Region: Swan

District: Mundaring

<u>Title No.</u>	<u>Title Area (ha)</u>
1041 / 474	1,604.9 *** (portion of 3,209.7)
1100 / 33	11.6
1133 / 595	39.3

Freehold held by CALM within Mundaring District 1,655.8ha

Special Comments

**Region: Swan**

**District: Perth**

<u>Title No.</u>	<u>Title Area (ha)</u>
1422 / 654	40.5
1422 / 656	95.0

} W A Wildlife Authority

**Freehold held by CALM within Perth District 135.5ha**

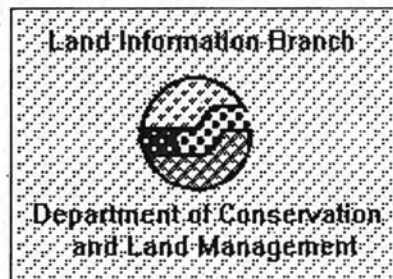
**Freehold held by CALM within Swan Region 3,624.0ha**

CALM Tenure Information System - Report Generated on Thursday, 24 February 1994

**Miscellaneous Reserve**  
**Listing by Reserve Number**

**Query Criteria:** CALM Region - Swan

**Special Comments:**



Report Name: Listing by Reserve Number

## Special Comments

<u>Crown Reserve</u>	<u>Class</u>	<u>Tenure</u>	<u>Name</u>	<u>Name Approval</u>	<u>Gazetted Area (ha)</u>	<u>Purpose</u>
5102	A	Miscellaneous Reserve		Un-Named	221.0	Recreation And Parklands
8445	C	Miscellaneous Reserve		Un-Named	1.0	Educational Purposes
21176	C	Miscellaneous Reserve		Un-Named	11.3	Forestry Purposes Pine Seed Orchard
26916	C	Miscellaneous Reserve		Un-Named	18.4	Forests Department Headquarters
29246	C	Miscellaneous Reserve		Un-Named	15.2	Forests Department Headquarters
29815	C	Miscellaneous Reserve		Un-Named	13.3	Use And Requirements Of APB And Conservation
30193	A	Miscellaneous Reserve		Un-Named	5,143.0	Timber
30809	C	Miscellaneous Reserve	Woodvale Nature Reserve	Gazetted	38.0	Research And Conservation Of Flora And Fauna
37090	C	Miscellaneous Reserve		Un-Named	484.8	Explosives And Forestry Purposes
40094	C	Miscellaneous Reserve		Un-Named	2.0	Office And Depot Site



## STAFF NUMBERS - SWAN REGION

Update as at February 1994

NB: Not all these positions are currently filled. A number are on secondments, LWOP and/or transferred recently not yet replaced.

DISTRICT	P.S.ACT	FIELD STAFF	N.PARK Marine Park Rangers Maint. Work	AWU	OTHER	TOTAL
Kelmscott (Incl. Marine Operations)	<b>14</b> 1 Casual	<b>4</b>	<b>2</b>	-	- 2 cleaners 2 w'enders	<b>20</b> (5)
Mundaring	<b>5</b>	<b>9</b>	<b>8</b>	<b>12</b> 2 seasonals	<b>3 mechanics</b> <b>1 Apprentice</b> 2 cleaners 2 gate'rs	<b>38</b> (6)
Jarrahdale	<b>1</b> 2 Casual	<b>9</b>	<b>2</b> 1 P/T	<b>13</b>	<b>1 Mechanic</b> 1 Cleaner 3 gate'rs.	<b>26</b> (7)
Dwellingup	<b>6</b> 2 Casuals	<b>9</b>	<b>1</b>	<b>18</b>	<b>2 mechanics</b> 1 cleaner 6 fee collectors 1 gardener 5 pilots	<b>36</b> (15)
Perth	<b>8</b> 1 casual	<b>13</b>	<b>14</b>	<b>25</b>	<b>2 mechanics</b> <b>1 Apprentice</b> 2 Ticket sellers 1 cleaner 1 weekend	<b>63</b> (5)
	<b>34</b> 6 Casual	<b>44</b>	<b>27</b> 1 P/T	<b>68</b> 2 seasonals	<b>10</b> (29)	<b>183</b> (38)
						= <b>221</b>

**Bold** = Full-time Employment  
**Normal** = Part-time / casual employment



WILDFIRE SUMMARY - SWAN REGION

(Number of fires) / ha burnt

YEAR	LAND TENURE - POINT OF ORIGIN				CAUSE						TOTAL									
	S/F SW		S/F SW		NP,NR,CONS PARK	OFF CALM LAND	SUSPECT DELIBERATE	LIGHTNING	ESCAPE CALM BURN	ESCAPE OTHER BURN		OTHER								
1987/88	(53)	1979.6	(31)	28.3	(8)	73.1	(29)	1722.9	(56)	321.0	(5)	267.0	(12)	584.2	(11)	113.4	(37)	2518.6	(121)	3804
1988/89	(77)	529.3	(28)	9.1	(15)	9611.3	(71)	6020.2	(77)	1566.8	(44)	1845.7	(5)	242	(20)	11003.5	(45)	1522.4	(191)	16180
1989/90	(33)	78.0	(36)	211.3	(17)	154.1	(31)	1522.4	(68)	337.2	(4)	49.6	(1)	10.0	(10)	314.7	(34)	1254.5	(117)	1966
1990/91	(69)	842.3	(44)	307.6	(26)	1414.3	(67)	10093.4	(125)	9240.0	(2)	90.0	(0)	0.0	(20)	797.3	(59)	2530.3	(206)	12657
1991/92	(78)	228.2	(43)	19.7	(27)	1280.1	(54)	3975.7	(104)	381.8	(29)	249.4	(7)	142.2	(15)	4302.8	(47)	428.4	(202)	5504
1992/93	(81)	453.4	(82)	35.3	(21)	1199.3	(61)	3496.8	(152)	1482.7	(8)	1008.6	(5)	12.0	(15)	117.6	(65)	2563.8	(245)	5185
1993/94																			(242)	

Note: Analysis for 1993/94 season still to be completed.