

Northern Forest Region Nature Reserve Information



DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT, WESTERN AUSTRALIA

Northern Forest Region Nature Reserve Information

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NORTHERN FOREST REGION NATURE RESERVES:

A SUMMARY

Introduction

Nature reserves are areas reserved (or gazetted) for the "Conservation of Flora and/or Fauna". They are generally vested in the National Parks and Nature Conservation Authority and managed by the Department of Conservation and Land Management (CALM). This Department also manages unvested nature reserves.

This summary has been produced to assist in the management of the Region's nature reserves.

Tables 1 to 4 list the nature reserves on a Shire-by-Shire basis for each District. More detail is provided on most of these reserves in the remainder of the summary.

The information in this summary was collected from District and Regional files and brief field visits (1-3 hours per reserve). The information was recorded on "reserve information system data sheets" (copy at the back of this report). The information was collected from June 1989 to June 1991.

A number of nature reserves and proposed nature reserves were not surveyed and are not included in the following summary. These are:

1. Nature reserves recommended for cancellation following Departmental review of B and C class reserves in 1988 (indicated by a superscript "1" in Tables 1-4). Several reserves (No.s 42 and 29905) which were regarded as being worth retaining were surveyed.
2. Nature reserves recommended in the Northern Forest Region Regional Management Plan (1987) to be changed to another tenure (usually national park or conservation park) (indicated by a superscript "2" in Tables 1-4). Reserve No.s 30191, 38924, 33188, 34442 and 37306 were surveyed anyway.
3. Areas gazetted as nature reserves after the end of surveying (30.6.91) (Indicated by a superscript "3" in Tables 1-4).
4. Reserves, vacant Crown land and State forest recommended in the Northern Forest Region Management Plan (1987) for gazettal as nature reserves, but not yet gazetted (Table 5).
5. Nature reserves vested in local government (Table 6).

6. System 6 recommendations which are yet to be implemented (refer to 1983 DCE publication).

Purposes of this Summary

These are to:

1. Assist in setting priorities for management.
2. Provide a quick reference for information on the Region's and Districts' nature reserves.

Using this Summary

Tables 1-6 provide a quick reference for all nature reserves in the Northern Forest Region on a district-by-district basis. The remainder of the summary provides one page of details for most nature reserves, covering conservation values and management requirements.

The summaries are ordered on a District, Shire and then sequential reserve number basis.

TABLE 1

CONSERVATION AND LAND MANAGEMENT NATURE RESERVES IN DWELLINGUP DISTRICT (1.9.91)

Shire	Reserve Number	Reserve Name	Purpose	Vesting	Area (ha)
Boddington	A32448	Mooradung	Conservation of Flora and Fauna	NPNCA	632
Murray	C2707	Carrabungup	Conservation of Flora and Fauna	NPNCA	105
	A2738	Mealup Point	Conservation of Flora and Fauna	NPNCA	30
	B4990	Austin Bay	Conservation of Flora and Fauna	NPNCA	71
	B24036	Austin Bay	Conservation of Flora and Fauna	NPNCA	343
	C28087	Austin Bay	Conservation of Flora and Fauna	NPNCA	891
	C6268	(Burnside Rd)	Timber and Flora	not vested	16
	A6627	(Lake Mealup)	Conservation of Flora and Fauna	NPNCA	37
	A16907	Nine Mile Lake	Conservation of Flora and Fauna	NPNCA	113
	C19413 ³	North Dandalup	Conservation of Flora and Fauna	NPNCA	39
	A23756	Kooljerrenup (part in Waroona Shire)	Conservation of Flora and Fauna	NPNCA	1019
	C24430 ¹	(Meelon)	Protection of Flora	not vested	3
	A24739	McLarty	Conservation of Flora and Fauna	NPNCA	48
	C33749	Boodalan	Recreation and Conservation of Fauna	NPNCA and Shire of Murray	2
	A39404	(Lake McLarty)	Conservation of Flora and Fauna	NPNCA	184
Waroona	A40476	(Nth Dandalup)	Conservation of Flora and Fauna	NPNCA	31
	A41184	(Phillips Rd)	Conservation of Flora and Fauna	NPNCA	16
	C41701	(Yamba)	Conservation of Flora and Fauna	NPNCA	112
	C36126	Kooljerrenup	Drainage and Conservation of Flora and Fauna	Min. for Water Resources	31

For an explanation of the superscripts refer to the introduction.

TABLE 2 CONSERVATION AND LAND MANAGEMENT NATURE RESERVES IN JARRAHDALE DISTRICT (1.9.91)

Shire	Reserve Number	Reserve Name	Purpose	Vesting	Area (ha)
Armadale	C19662	(Stinton Cascade)	Conservation of Flora and Fauna	NPNCA	132
Brookton	A36063	Strange Rd	Conservation of Flora and Fauna	NPNCA	553
	C36742	Brookton H'way	Conservation of Flora and Fauna	NPNCA	404
Serpentine	C32202 ²	(Karnet)	Conservation of Flora and Fauna	NPNCA	302

For an explanation of the superscript refer to the introduction.

TABLE 3

CONSERVATION AND LAND MANAGEMENT NATURE RESERVES IN MUNDARING DISTRICT (1.9.91)

Shire	Reserve Number	Reserve Name	Purpose	Vesting	Area (ha)
Beverley	C33188	Dobaderry	Conservation of Flora and Fauna	NPNCA	802
	C34442	Dobaderry	Conservation of Flora and Fauna	NPNCA	1896
	C37306	Dobaderry	Conservation of Flora and Fauna	NPNCA	1307
Brookton	C19740	Bartram	Conservation of Flora and Fauna	NPNCA	58
	C38420	(Wills)	Conservation of Flora and Fauna	NPNCA	36
Chittering	C42	Burroloo Well	Conservation of Flora and Fauna	NPNCA	11
	C965	(Udumung)	Conservation of Flora and Fauna	NPNCA	164
	A4070	Barracca	Conservation of Flora and Fauna	NPNCA	17
	A29538	Chittering Lakes	Conservation of Flora and Fauna	NPNCA	231
	A32807	Mt Byroomanning	Conservation of Flora and Fauna	NPNCA	181
	A37060	Chandala	Conservation of Flora and Fauna	NPNCA	136
Mundaring	C11140 ¹	(Parkerville)	Conservation of Flora	not vested	4
	A11310	(Needham)	Conservation of Flora and Fauna	NPNCA	7
	C30667	Beechina	Conservation of Flora and Fauna	NPNCA	59
	C30681	(Beechina Nth)	Conservation of Flora	not vested	24
Northam	A5644	(Mortlock)	Conservation of Flora and Fauna	NPNCA	41
	A7220	Throssell	Conservation of Flora and Fauna	NPNCA	18
	C14276 ³	(Wundowie)	Conservation of Flora and Fauna	NPNCA	544
	A29977	Meenaar	Conservation of Flora and Fauna	NPNCA	72
	A34772	(Meenaar)	Conservation of Flora and Fauna	NPNCA	30
	C30363	Woottating	Conservation of Flora and Fauna	NPNCA	234
	A31211	Mokine	Conservation of Flora and Fauna	NPNCA	289
	C32400	Clackline	Conservation of Flora and Fauna	NPNCA	459
	A39247	Warranine	Conservation of Flora and Fauna	NPNCA	35
Swan	A25919	Copley Dale	Conservation of Flora and Fauna	NPNCA	5

TABLE 3

CONSERVATION AND LAND MANAGEMENT NATURE RESERVES IN MUNDARING DISTRICT (CONT'D)

Shire	Reserve Number	Reserve Name	Purpose	Vesting	Area (ha)
Toodyay	C2393	Wattening	Conservation of Flora and Fauna	NPNCA	40
	C19900	Poison Gully	Conservation of Flora and Fauna	NPNCA	87
	A21429	Rugged Hills	Conservation of Flora and Fauna	NPNCA	252
	A22096	Flat Rock Gully	Conservation of Flora and Fauna	NPNCA	386
	A30191	Moondyne	Conservation of Flora and Fauna	NPNCA	1991
	A30306	Bewmalling	Conservation of Flora and Fauna	NPNCA	38
	A33254	(Nanamoolan)	Conservation of Flora and Fauna	NPNCA	9
	A33697	Wongamine	Conservation of Flora and Fauna	NPNCA	299
	A35291	(Hoddy Well)	Conservation of Flora and Fauna	NPNCA	5
	A38924	(Morangup)	Conservation of Flora and Fauna	NPNCA	932
	C24179 ¹	(Balkuling)	Conservation of Flora and Fauna	NPNCA	12
	A21981	Wambyn	Conservation of Flora and Fauna	NPNCA	215
	A30591	St Ronans	Conservation of Flora and Fauna	NPNCA	118
York	A31192	(Berry Brow)	Conservation of Flora and Fauna	NPNCA	1
	A39149	Wallaby Hills	Conservation of Flora and Fauna	NPNCA	59
	C40642	(Mt Hardy)	Conservation of Flora and Fauna	NPNCA	15

For an explanation of the superscripts refer to the introduction.

TABLE 4 CONSERVATION AND LAND MANAGEMENT NATURE RESERVES IN WANNEROO DISTRICT (1.9.91)

Shire	Reserve Number	Reserve Name	Purpose	Vesting	Area (ha)
Gingin	A1224	(Bartlett Well)	Conservation of Flora and Fauna and Water	NPNCA	117
	C7504	Karrakin	Water and Conservation of Flora and Fauna	WA Water Authority	485
	A9676	Yurine Swamp	Conservation of Flora and Fauna	NPNCA	30
	A9838	Lake Wannamal	Conservation of Flora and Fauna	NPNCA	160
	C15816	(Moochamulla)	Conservation of Flora and Fauna	NPNCA	36
	C21164	(Cowalla Bridge)	Conservation of Flora and Fauna	NPNCA	40
	A26756	Bampanup	Conservation of Flora and Fauna	NPNCA	101
	C29905	(Nabaroo)	Conservation of Flora and Fauna	NPNCA	8
	A31241	Yeal	Conservation of Flora and Fauna	NPNCA	337
	C34761 ¹	(Gingin Stock Route)	Conservation of Flora and Fauna	NPNCA	50
	A38649	Mogumber	Conservation of Flora and Fauna (inc.s Locations 3155 and 2117)	NPNCA	176
	A39050	(Wannamal)	Conservation of Flora and Fauna	NPNCA	25
	C41805 ³	(Boonnanarring)	Conservation of Flora and Fauna	NPNCA	9250
	C7349	Jandabup	Conservation of Flora and Fauna	NPNCA	246
Wanneroo	A24581 ²	(Lake Nowergup)	Sanctuary for Fauna	NPNCA	116

For an explanation of the superscripts refer to the introduction.

TABLE 5 AREAS RECOMMENDED IN NORTHERN FOREST REGIONAL MANAGEMENT PLAN (1987)
FOR GAZETTING AS NATURE RESERVES BUT NOT YET GAZETTED (1.9.91)

District	Reserve Number	Reserve Name	Current Purpose
Dwellingup	C21038	(Nth Dandalup)	Parklands and Recreation
Mundaring	C1654	(Bullsbrook)	Travellers and Stock
	C14278	(Wooroloo)	Timber State Forest
	C4623	(Wundowie)	Timber-Wandoo CONSERVATION OF FLORA & FAUNA
	C14275	(Wundowie)	Timber State Forest
Wanneroo	VCL	Yeal Swamp	Vacant Crown Land
	State Forest	Caraban	State Forest
	C25431	(Lake Muckenburra)	Public Utility
	State Forest	Melaleuca Park	State Forest
	VCL and	Moore River	Vacant Crown Land and
	C28462		National Park
	State Forest	Wabbling	State Forest
	State Forest	Yanchep	State Forest

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TABLE 6 NATURE RESERVES VESTED IN LOCAL GOVERNMENT

District	Reserve Number	Reserve Name	Current Purpose
Dwellingup	C27810	(Murray)	Conservation of Flora

DWELLINGUP DISTRICT

NATURE RESERVES

Permanent into rarely
Doesn't change

Reserve Number : A32448 Name : Mooradung Nature Reserve

STATUS

Area (ha) : 632.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 06/11/89
Shire : Boddington Field Officer : SAM
CALM File No : NR 71/04 Field Date : 08/11/89
Public Plan : CALM Crossman 1:50,000 D092

ABIOTIC

Topographic Code : rolling low hills
Special Topo Features : minor breakaways
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : E. marginata E. wandoo
Codominant Species : E. calophylla
Formation Type : woodland
Canopy Cover U/S : 20
Height U/S : 18.0
Canopy Cover G/L : 60
Height G/L : 1.0
Soil Colour : orange
Soil Texture : loam
Percentage Reserve : 75 25

eg: Myalup.
Representative of — soil/veg
assocn (% of — Ha in
Region [— Ha in State])

FLORA

Level of Knowledge : reserve surveyed
Floristic Richness : moderate
Gazetted Rare Species : Orevilles circisifolia
Weed Species : Cape tulip (w bdy), annual weeds on firebreaks, creeklines near bdy
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : partly surveyed
Gazetted Rare Species : crested shrike-tit
Weed Hollows Abundant : yes - hollows in marri, jarrah and wandoo
Pest Species : foxes

GENERAL COMMENTS

Fire barriers: complete perimeter, buffer and internal firebreaks, road along west 1/4 of north boundary.
Actions needed: firebreak maintenance inc. erosion works on external breaks, rehabilitate gravel pits, close and rehabilitate un-necessary tracks, prevent firewood removal by using signs, liaison & patrols.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes - erosion works required
Age of Vegetation : 3-5 years, NW corner 1 yr-prescribe burnt '91

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 10.9
Perimeter Abutting :
Uncleared Land (km) : 2.0
Uncleared Land Within :
1 km of Boundary (ha) : 300
Percentage Adjoining : 93
Private Property : 100
Percentage Fenced : 100
Pence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : mgt plan(1985), basic biological survey-no fixed points retained
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 2X new wooden routed

DISTURBANCE

Historical Disturbances : gravel pits
Current Disturbances : tracks superfluous to mgt needs, firewood cutting
Regeneration of B/Pits : no
Comments :

Needs to be
incorporated into a
survey sheet
human usage
/disturbance

Rate/Rank levels of
human
usage

Reserve Number : 62707 Name : Carrabungup Nature Reserve

STATUS

Area (ha): 105.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NRMCA File Date : 06/11/89
Shire : Murrey Field Officer: SAM
CALM File No : HQ 71/04 Field Date : 23/11/89
Public Plan: CALM Pinjarra 1:50,000 8779

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : SWAMP
Geological Substrate : coastal sands
Special Geol Features :
Surface Hydrology : freshwater swamp
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: Kunzea ericifolia	: B. attenuata
Codominant Species	: Melaleuca sp.	: A. fraseriana
Formation Type	: shrubland	: woodland
Canopy Cover U/S	: 90	: 60
Height U/S	: 5.0	: 90.0
Canopy Cover G/L	: 0	: 0
Height G/L	: 0.0	: 0.0
Soil Colour	: grey	: grey
Soil Texture	: sand	: sand
Percentage Reserve	: 75	: 25

Comments : occasional marri to 10-12m emergent over banksia-sheak woodland

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species : *Drakaea elastica*
Weed Species : *watsonia* on NW corner, annuals on perimeter firebreaks
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - marri
Pest Species : foxes

GENERAL COMMENTS

Fire barriers: partial perimeter, partial buffer and partial internal firebreaks and estuary.
Actions needed: control *watsonia*, firebreak maintenance, revegetate e part of the Reserve. System 6 Rec. 0507.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : 10yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 5.3
Perimeter Abutting
Uncleared Land (km) : 1.2
Uncleared Land Within
1 km of Boundary (ha): 200
Percentage Adjoining
Private Property : 77
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85, RAOU Swan Coast Plain W'land Study(CALM,current)
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 1x new wooden routed
monitoring by CALM cadets

DISTURBANCE

Historical Disturbances : e part around swamp cleared and previously grazed
Current Disturbances :
Regeneration of B/Pits :
Comments :

Reserve Number : 42738 Name : Meallup Point Nature Reserve

STATUS

Area (ha) : 30.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : APFCA File Date : 06/11/89
Shire : Murray Field Officer: SAM
CALM File No : NR 71/04 Field Date : 29/11/89
Public Plan: CALM Pinjarra 1:50,000 8376

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : estuary adjacent
Geological Substrate : coastal sand, limestone
Special Geol Features : limestone outcrops
Surface Hydrology : estuary
Comments : -

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : Kunzea sp. E.gomphocephalata
Codominant Species : Melaleuca sp.
Formation Type : shrubland woodland
Canopy Cover U/S : 90 15
Height U/S : 3.0 23.0
Canopy Cover G/L : 0 60
Height G/L : 0.0 5.0
Soil Colour : grey
Soil Texture : sand
Percentage Reserve : 60 40

Comments :

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : limited, some annuals on firebreak
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - aarri, tuart
Pest Species : foxes

GENERAL COMMENTS

Fire barriers: perimeter firebreak and estuary.
Actions needed: firebreak maintenance, control camping by anglers. System 6 Rec. 052.

DIEBACK / FIRE

Dieback Presence : no evidence, although dieback on Lake Meallup Road
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : varies: 1-7 years old

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : moderate
Perimeter Length (km) : 2.3
Perimeter Abutting
Uncleared Land (km) : 1.2
Uncleared Land Within
1 km of Boundary (ha) : 200
Percentage Adjoining : 50
Private Property : 0
Percentage Fenced : 0
Fence Stockproof : not fenced

USAGE

Significant Recreation Site : yes
Recreation Details : fishing, prawning, crabbing, camping
Research Projects : yes
Research Details : RAOH Survey 1981-85

Facilities Available : none
Signposting Adequate : yes
Condition of Signs : IX new wooden routed

DISTURBANCE

Historical Disturbances :
Current Disturbances : camping (hush camp sites)
Regeneration of B/Pits :
Comments :

Reserve Number : 04930 Name : Austin Bay (inc.B24036 & 028087) NR

STATUS

Area (ha): 1306.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPMCA File Date : 06/11/89
Shire : Murray Field Officer: SAM
CALM File No : NR 71/04 Field Date : 29/11/89
Public Plan: CALM Pinjarra 1:50,000, 9185

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : estuary
Geological Substrate : Coastal sands
Special Geol Features :
Surface Hydrology : estuary
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species :	McLaleuca sp.	
Codominant Species :	Acacia sp.	
Formation Type :	heath	
Canopy Cover U/S :	80	0
Height U/S :	2.0	0.0
Canopy Cover G/L :	0	0
Height G/L :	0.0	0.0
Soil Colour :	grey	
Soil Texture :	sand	
Percentage Reserve :	80	0

Comments : sapphire flats 10-15%,B.attenuata open woodland 10%,Kunzea thickets 10-15%

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : watsonia near drains, annuals on perimeter firebreaks
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : no - few large trees
Pest Species : foxes, cats, rabbits, cattle, goats

GENERAL COMMENTS

Fire barriers: partial perimeter breaks, partial internal breaks, estuary.
Actions needed: firebreak maintenance, control and monitor watsonia, resolve fencing with adjacent landowners. System 6 Rec. 050.

DISEASE / PIRE

Dieback Presence : confirmed
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : variable

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : limited
Perimeter Length (km) : 16.3
Perimeter Abutting :
Uncleared Land (km) : 0.9
Uncleared Land Within :
1 km of Boundary (ha): 200
Percentage Adjoining : 55
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : no (south boundary not checked)

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85, Kunzea monitoring plots (CALM cadets)
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 4X new wood. routed(inc.Res.24036,28087)

DISTURBANCE

Historical Disturbances :
Current Disturbances : grazing, firewood & bean stick(ti tree) cut
Regeneration of B/Pits :
Comments :

Reserve Number : C6268 Name : (Burnside Road) Nature Reserve

STATUS

Area (ha): 16.0 District : Dwellingup
Purpose : Timber and Flora File Officer : SAM
Vesting : NV File Date : 06/11/89
Shire : Murray Field Officer: SAM
CALM File No : N6R 71/04 Field Date : 07/11/89
Public Plan: CALM Pinjarra 1:50,000 7800

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features :
Geological Substrate : coastal sands
Special Geol Features :
Surface Hydrology : Presence of sedges indicate some water
Comments :

VEGETATION

	Most Abundant Foraaation	Second Abundant Foraaation
Dominant Species	: Eucalyphylla	
Codominant Species :		
Formation Type	: woodland	
Canopy Cover U/S	: 5	0
Height U/S	: 20.0	0.0
Canopy Cover G/L	: 80	0
Height G/L	: 0.5	0.0
Soil Colour	: grey	
Soil Texture	: sand	
Percentage Reserve	: 100	0

Comments : occasional E.marginata (most dead or dying), numerous blackboys and grass trees in patches

FLORA

Level of Knowledge : species list
Floristic Richness : low
Gazetted Rare Species : Drosera occidentalis (PS)
Weed Species : Watsonia beginning to invade on e boundary, annual grasses
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - warri, many dying
Pest Species :

GENERAL COMMENTS

Fire barriers: partial internal firebreak, e boundary road.
Actions needed: get name gazetted, erect CALM standard signs, remove rubbish, request vesting MPMCA, monitor Watsonia, control if necessary.

DIEBACK / FIRE

Dieback Presence : suspected
Position in landscape : middle
Other Diseases : water logging?
Fire Barriers : see comments
Trafficable Firebreaks :
Need Maintenance :
Age of Vegetation : less than 1 year old - burnt w'fire April '91

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 2.0
Perimeter Abutting :
Uncleared Land (ha) : 0.0
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining :
Private Property : 50
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : rubbish
Current Disturbances : firewood cutting, rubbish dumping on w boundary
Regeneration of B/Pits :
Comments :

Reserve Number : A6827 Name : (Lake Meallup) Nature Reserve

STATUS

Area (ha): 37.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 06/11/89
Shire : Murrumbidgee Field Officer: SAM
CALM File No : NR 71/04 Field Date : 06/11/89
Public Plan: CALM Pinjarra 1:50,000 8379

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : lake
Geological Substrate : coastal sands
Special Geol Features :
Surface Hydrology : freshwater lake
Comments :

VEGETATION

Most Abundant Formation		Second Abundant Formation	
Dominant Species	: Melaleuca sp.		Typha orientalis
Codominant Species :		heath	
Formation Type	: heath	95	
Canopy Cover U/S	: 95	2.0	
Height U/S	: 3.0	0	
Canopy Cover G/L	: 0	0.0	
Height G/L	: 0.0	grey	
Soil Colour	: grey	sand clay	
Soil Texture	: sand	35	
Percentage Reserve	: 55		

Comments : remaining 10% open water/bare ground

FLORA

Level of Knowledge : partly surveyed
Floristic Richness : moderate
Gazetted Rare Species : special interest - Brachyloma preissii
Weed Species : bullrushes (Typha sp.)
Percentage of Reserve : 35.0

FAUNA

Level of Knowledge : partly surveyed
Gazetted Rare Species :
Nest Hollows Abundant : no - few trees
Pest Species :

GENERAL COMMENTS

Fire barriers: none exist or are currently necessary as most of the Reserve is inundated for part of the year at least.
Actions needed: get name gazetted, check if fences on south and east boundaries are stockproof - if not resolve with adjacent landowners. System 6 Rec. 052.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : no firebreaks
Trafficable Firebreaks:
Need Maintenance :
Age of Vegetation : unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : nil
Perimeter Length (km) : 3.0
Perimeter Abutting
Uncleared Land (km) : 2.5
Uncleared Land Within
1 km of Boundary (ha): 100
Percentage Adjoining
Private Property : 100
Percentage Fenced : 20
Fence Stockproof : unknown

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85, RAOU Swan Coast Plain W'land Study(CALM,current)
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : ?X new wooden routed

DISTURBANCE

Historical Disturbances :
Current Disturbances :
Regeneration of B/Pits :
Comments :

Reserve Number : A15907 Name : Nine Mile Lake Nature Reserve

STATUS

Area (ha) : 113.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : WPMCA File Date : 06/11/89
Shire : Murray Field Officer: SAM
CALM File No : NR 71/94 Field Date : 23/11/89
Public Plan: CALM Pinjarra 1:50,000 7885

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : lake
Geological Substrate : coastal sands
Special Geol Features : -
Surface Hydrology : freshwater lake
Comments : -

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: <i>S. marginata</i>	
Codominant Species	: <i>A. fraseriana</i>	
Formation Type	: woodland	
Canopy Cover U/S	: 80	0
Height U/S	: 12.0	0.0
Canopy Cover G/L	: 60	0
Height G/L	: 0.3	0.0
Soil Colour	: grey	
Soil Texture	: sand	
Percentage Reserve	: 100	0

Comments : 3 banksia sp: *ilicifolia*, *attenuata*, *prionotes*(?), *typha* occupies substantial part of lake

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : numerous at old tip, part. lupins (not currently part of Reserve)
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species : special interest - yellow robin - rare or extinct on Swan coastal plain
Nest Hollows Abundant : yes - Jarrah
Pest Species :

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak and roads (north & south boundaries).

Actions needed: add disused rubbish reserve to Nature Reserve, rehab. and control weeds, maintain f'breaks(e and w boundaries), check location of fence on p.p. edges of Nine Mile Lake, signpost to prevent h'riding & f'wood cutting.

DIEBACK / FIRE

Dieback Presence : confirmed and spreading
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Weed Maintenance : yes and ongoing
Age of Vegetation : 5-10 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 6.0
Perimeter Abutting :
Uncleared Land (km) : 3.4
Uncleared Land Within :
1 km of Boundary (ha): 250
Percentage Adjoining :
Private Property : 68
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85, RAOU Swan Coast Plain W'land Study(CALM;current)
Facilities Available :
Signposting Adequate : yes
Condition of Signs : 2X new wooden routed

DISTURBANCE

Historical Disturbances : rubbish dump - closed 1985
Current Disturbances : h'riding, firewood cutting
Regeneration of B/Pits :
Comments :

Reserve Number : A23756 Name : Kooljerrenup Nature Reserve

STATUS

Area (ha): 1019.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 06/11/83
Shire : Murray & Meroona Field Officer: SAM
CALM File No : NR 71/04 Field Date : 22/11/89
Public Plan: CALM Pinjarra, Mcarty 1:50,000, CV43

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : mudflats, estuary
Geological Substrate : coastal sands
Special Geol Features :
Surface Hydrology : estuary
Comments :

VEGETATION

Most Abundant Formation		Second Abundant Formation	
Dominant Species	: E.calophylla		Metaleuca sp.
Codominant Species	: B.attenuata		
Formation Type	: woodland	heath	
Canopy Cover U/S	: 30	90	
Height U/S	: 12.0	1.0	
Canopy Cover G/L	: 50	0	
Height G/L	: 1.0	0.0	
Soil Colour	: grey	grey	
Soil Texture	: sand clay	sand clay	
Percentage Reserve	: 50	50	

Comments :

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species : Diuris purdiei
Weed Species : some annual grasses on e boundary, several watsonia infestations
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species : freckled duck
Nest Hollows Abundant : yes - dead murre and jarrah
Pest Species : cattle (fences ineffective)

GENERAL COMMENTS

Fire barriers: partial perimeter firebreaks, partial buffers, some internal firebreaks, two internal roads, estuary and drains.
Actions needed: control watsonia, maintain f'breaks, resolve h'riding, monitor kangaroo numbers-control to prevent overgrazing? (rabbit problem?), get nw boundary fenced, signpost to prevent f'wood cutting, System 6 Rec.051.

DIEBACK / FIRE

Dieback Presence : confirmed
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : 6 months - unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 25.5
Perimeter Abutting
Uncleared Land (km) : 5.0
Uncleared Land Within
1 km of Boundary (ha): 40.
Percentage Adjoining
Private Property : 68
Percentage Fenced : 92
Fence Stockproof : no

USAGE

Significant Recreation Site : yes
Recreation Details : horseriding on tracks n Herron Pt Rd, camping & picnics on estuary
Research Projects : yes
Research Details : RAOU Survey 1981-85, RAOU Swan Coast Plain W'land Study (CALM, current)
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 4X new wooden routed (inc. Res. 36126)

DISTURBANCE

Historical Disturbances :
Current Disturbances : cattle grazing (poor fencing), horseriding, firewood
Regeneration of B/Pits :
Comments :

Reserve Number : A24729 Name : McLarty Nature Reserve

STATUS

Area (ha): 48.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 06/11/89
Shire : Murray Field Officer: SAM
CALM File No : NR 71/04 Field Date : 29/11/89
Public Plan: CALM Pinjarra 1:50,000 8178

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : swamp
Geological Substrate : coastal sands
Special Geol Features :
Surface Hydrology : swamp
Comments : -

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : Banksia spp Melaleuca sp
Codominant Species : Eucalyphylla
Formation Type : woodland
Canopy Cover W/S : 75
Height W/S : 12.0
Canopy Cover G/L : 80
Height G/L : 0.3
Soil Colour : grey
Soil Texture : sand
Percentage Reserve : 35

Comments : dominant formation banksias:attenuata,ilicifolia,grandis.Remaining 20-40% bare swamp floor

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : annual grasses in much of understorey
Percentage of Reserve : 15.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - murray/flooded gum
Pest Species : cattle

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak and estuary.
Actions needed: erect CALM standard signs,firebreak maintenance,resolve fencing with adjacent land owners. System 6 Rec. C52.

DIEBACK / FIRE

Dieback Presence : confirmed
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no
Need Maintenance : yes
Age of Vegetation : 5yr +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : nil
Access Within Reserve : nil
Perimeter Length (km) : 5.8
Perimeter Abutting
Uncleared Land (km) : 2.6
Uncleared Land Within
1 km of Boundary (ha): 200
Percentage Adjoining
Private Property : 69
Percentage Fenced : 61
Fence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details : fishing, prawning, camping
Research Projects : yes
Research Details : RAOU Survey 1981-85, swamp banksia - fire effects monitoring (NPR)

Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 1X new wooden routed

DISTURBANCE

Historical Disturbances :
Current Disturbances : cattle grazing (poor fencing)
Regeneration of B/Pits :
Comments :

Reserve Number : C33749 Name : Boodalan Nature Reserve

STATUS

Area (ha): 2.0 District :
Purpose : Recreation & Conservation of Fauna File Officer : SAM
Vesting : NPWA, Murray Sh File Date : 06/11/89
Shire : Murray Field Officer: SAM
CALM File No : NR 71/04 Field Date : 21/03/90
Public Plan: CALM Pinjarra 1:50,000 9393

ABIOTIC

Topographic Code : level plain
Special Topo Features : island - sand cay from dredging spoil
Geological Substrate :
Special Geol Features :
Surface Hydrology : island in estuary
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: grasses and reeds	
Codominant Species :		
Formation Type	: shrubland	
Canopy Cover U/S	: 80	0
Height U/S	: 0.3	0.0
Canopy Cover G/L	: 0	0
Height G/L	: 0.0	0.0
Soil Colour	: grey	
Soil Texture	: sand	
Percentage Reserve	: 40	0

Comments : 60% bare sand, 4 casuarina shrubs to 2m

FLORA

Level of Knowledge : no data
Floristic Richness : low
Gazetted Rare Species :
Weed Species : couch
Percentage of Reserve : 10.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species : special interest - nesting pelicans?
Nest Hollows Abundant : no
Pest Species :

GENERAL COMMENTS

Fire barriers: island is surrounded by water.
Actions needed: signpost to prevent camping, repair existing signs.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : no firebreaks
Trafficable Firebreaks:
Weed Maintenance :
Age of Vegetation : unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : by boat
Access Within Reserve : by foot
Perimeter Length (km) : 0.0
Perimeter Abutting
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining
Private Property : 0
Percentage Fenced : 0
Fence Stockproof : not fenced

USAGE

Significant Recreation Site : yes
Recreation Details : camping/crabbing fires
Research Projects :
Research Details :
Facilities Available : no
Signposting Adequate : yes
Condition of Signs : 2% new wooden routed, need symbols

DISTURBANCE

Historical Disturbances : island made of dredging spoil
Current Disturbances : timber used for campfires
Regeneration of B/Pits :
Comments : re-planting (C.obesa) needed if more spoil dumped

Reserve Number : 439404 Name : (Lake McLarty) Nature Reserve

STATUS

Area (ha) : 184.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWSA File Date : 06/11/89
Shire : Murray Field Officer: SAM
CALM File No : NR 71/04 Field Date : 29/11/89
Public Plan: CALM Pinjarra 1:50,000 8079

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : lake
Geological Substrate : coastal sands
Special Geol Features :
Surface Hydrology : freshwater lake
Comments :

VEGETATION

	Most Abundant Foration	Second Abundant Formation
Dominant Species :	-	Typha orientalis
Codominant Species :		heath
Formation Type :	swamps	95
Canopy Cover U/S :	0	3.0
Height U/S :	0.0	0
Canopy Cover G/L :	0	0.0
Height G/L :	0.0	grey
Soil Colour :	grey	sand clay
Soil Texture :	sand clay	25
Percentage Reserve :	65	

Comments : fringing vegetation is kunzea thicket to 4m with occasional eaergent E.rudis to 12m

FLORA

Level of Knowledge : no data
Floristic Richness : low
Gazetted Rare Species :
Weed Species : bullrushes (Typha sp.)
Percentage of Reserve : 20.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species : freckled duck
Nest Hollows Abundant : yes - flooded gum
Pest Species : cattle

GENERAL COMMENTS

Fire barriers: no firebreaks - not currently necessary as majority of the Reserve is open water/swamps.
Actions needed: get name gazetted, resolve fencing with adjacent landowners.

DIEBACK / FIRE

Dieback Presence : unknown
Position in Landscape : low
Other Diseases :
Fire Barriers : none
Trafficable Firebreaks:
Need Maintenance :
Age of Vegetation : unknown - 7 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : nil
Access Within Reserve : nil
Perimeter Length (km) : 5.8
Perimeter Abutting
Uncleared Land (km) : 0.2
Uncleared Land Within
1 km of Boundary (ha): 200
Percentage Adjoining
Private Property : 97
Percentage Fenced : 34
Pence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85, RAOU Swan Coast Plain W'land Study(CALM,current)
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 2X new wooden routed

DISTURBANCE

Historical Disturbances :
Current Disturbances : drain at s end of lake
Regeneration of B/Pits :
Comments :

Reserve Number : A40476 Name : (North Dandalup) Nature Reserve

STATUS

Area (ha) : 31.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vegeting : NRM/PA File Date : 06/11/89
Shire : Murray Field Officer: SAM
CALM File No : NR 71/04 Field Date : 22/11/89
Public Plan: CALM Pinjarra 1:50,000

ABIOTIC

Topographic Code : very steep low hills
Special Topo Features : monadnocks
Geological Substrate : granite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

Most Abundant Formation		Second Abundant Formation	
Dominant Species	: E.calophylla	E.wandoo	
Codominant Species :		woodland	
Formation Type	: woodland	30	
Canopy Cover U/S	: 30	12.0	
Height U/S	: 12.0	40	
Canopy Cover G/L	: 60	1.0	
Height G/L	: 1.0	brown	
Soil Colour	: brown	loam clay	
Soil Texture	: loam	10	
Percentage Reserve	: 90		

Comments : occasional E.marginata with E.calophylla, occasional E.laliei(butter gum)

FLORA

Level of Knowledge : no data
Floristic Richness : high
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - marrri
Pest Species :

GENERAL COMMENTS

Fire barriers: no firebreaks - steepness of Reserve makes firebreak construction difficult & could result in erosion.
Actions needed: get name gazetted, erect CALM standard signs, resolve fencing with adjacent landowners.

DIEBACK / FIRE

Dieback Presence : unknown
Position in Landscape : high
Other Diseases :
Fire Barriers : none
Trafficable Firebreaks:
Need Maintenance :
Age of Vegetation : 5 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : nil
Perimeter Length (km) : 2.7
Perimeter Abutting
Uncleared Land (km) : 2.7
Uncleared Land Within
1 km of Boundary (ha): 100
Percentage Adjoining
Private Property : 38
Percentage Fenced : 26
Fence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : none
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances :
Current Disturbances : grazing
Regeneration of B/Pits :
Comments : cattle grazing - no fence on w boundary

Reserve Number : A41184 Name : (Phillips Road) Nature Reserve

STATUS

Area (ha): 16.0 District : Dwellingup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 30/01/91
Shire : Murray Field Officer: SAM
CALM File No : NPRT1/04 Field Date : 09/07/91
Public Plan: CALM Pinjarra 1:50,000 9092

ABiotic

Topographic Code : undulating plain
Special Topo Features : swamp
Geological Substrate : sand
Special Geol Features :
Surface Hydrology : winter-wet wetland (ephemeral)
Comments :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : Melaleuca sp. Eucalyptus
Codominant Species :
Formation Type : heath woodland
Canopy Cover U/S : 90 1
Height U/S : 1.5 12.0
Canopy Cover G/L : 0 70
Height G/L : 0.0 3.0
Soil Colour : grey grey
Soil Texture : sand clay sand clay
Percentage Reserve : 80 20

Comments : occasional paperbarks over the melaleucas, also stand of flooded gum in se corner

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species : Diuris purdiei
Weed Species : castor oil plant, velvet/love grass
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Weed Hollows Abundant : yes - murre and flooded gum
Pest Species :

GENERAL COMMENTS

Fire barriers: roads on n & w boundaries, firebreak on e boundary, n-s internal tracks associated with the powerlines.
Actions needed: get more gazetted, erect CALM standard signs, remove rubbish, remove castor oil plants on w boundary, test for dieback.

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no, flooded
Need Maintenance : unknown
Age of Vegetation : 5 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 1.5
Perimeter Abutting
Uncleared Land (ha) : 0.4
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining
Private Property : 23
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances :
Current Disturbances : small area murre cleared, car bodies, 3 powerlines
Regeneration of 8/Pits :
Comments :

Reserve Number : C41701 Name : (Yamba) Nature Reserve

STATUS

Area (ha): 111.6 District : Dwellupup
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWA File Date : 09/07/91
Shire : Murray Field Officer: SAM
CALM File No : MPR01/04 Field Date : 09/07/91
Public Plan: CALM Jarrahdale 1:50,000 CC59

ABiotic

Topographic Code : rolling low hills
Special Topo Features : monadnocks
Geological Substrate : laterite, granite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	E.calophylla	E.calophylla
Codominant Species	E.marginata	E.marginata
Formation Type	forest	forest
Canopy Cover U/S	40	40
Height U/S	20.0	20.0
Canopy Cover G/L	70	70
Height G/L	1.0	3.0
Soil Colour	orange brown	orange brown
Soil Texture	loam	loam
Percentage Reserve	65	35

Comments :

FLORA

Level of Knowledge : no data
Floristic Richness : moderate-low
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - hollows in jarrah and murray
Pest Species :

GENERAL COMMENTS

Fire barriers: a block-partial perimeter firebreak, partial perimeter & internal roads, a block-complete perimeter firebreak.
Actions needed: upgrade/construct perimeter firebreaks, test for d'back, get name gazetted & erect CALM standard signs, negotiate with Shire to close & rehab gravel pits, patrol & signpost to prevent f'wood collecting, System 6 Rec. C47.

DISEASE / FIRE

Disease Presence : suspected
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no
Need Maintenance : yes
Age of Vegetation : 0-5/6 years

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : moderate
Perimeter Length (km) : 6.9
Perimeter Abutting :
Uncleared Land (km) : 5.2
Uncleared Land Within :
1 km of Boundary (ha): 1000
Percentage Adjoining : 45
Private Property : 45
Percentage Fenced : 100
Fence Stockproof : no, e 1/2 s b'dary of e block not s'proof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances : extra trucks, f'wood cutting(e block), powerline
Regeneration of B/Pits :
Comments :

Reserve Number : C16126 Name : Kooljerrenup Nature Reserve

STATUS

Area (ha) : 31.0 District : Dwellingup
Purpose : Drainage & Cons Flora and Fauna File Officer : SAM
Vesting : Min. Water Res. File Date : 06/11/89
Shire : Waroona Field Officer: SAM
CALM File No : MR 71/04 Field Date : 21/11/89
Public Plan: CALM Mclarty 1:50,000, C243

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : mudflats and estuary
Geological Substrate : coastal sands
Special Geol Features :
Surface Hydrology : estuary
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species :		Melaleuca sp.
Codominant Species :		
Formation Type : mudflats	shrubland	
Canopy Cover U/S : 0	80	
Height U/S : 0.0	4.0	
Canopy Cover G/L : 0	0	
Height G/L : 0.0	0.0	
Soil Colour : brown		
Soil Texture : clay	clay	
Percentage Reserve : 50	50	

Comments :

FLORA

Level of Knowledge : no data
Floristic Richness : low
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : no - melaleucas and mudflats
Post Species :

GENERAL COMMENTS

Fire barriers: no firebreaks exist - not currently required as 50% of the Reserve is mudflats.
Actions needed: request vesting in NPWCA, resolve fencing with adjacent landowners. System Rec. C51.

DIEBACK / FIRE

Dieback Presence : uninterpretable
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks:
Weed Maintenance :
Age of Vegetation : unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : nil
Access Within Reserve : nil
Perimeter Length (km) : 23.0
Perimeter Abutting
Uncleared Land (km) : 20.0
Uncleared Land Within
1 km of Boundary (ha) : 1000
Percentage Adjoining
Private Property : 30
Percentage Fenced : 0
Fence Stockproof : not fenced

USA08

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU waterbird survey 1981-85
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 4% new wooden routed (inc. Res. 23755)

DISTURBANCE

Historical Disturbances :
Current Disturbances : grazing
Regeneration of B/Pits :
Comments : no stock seen, but fences are absent

JARRAHDALE DISTRICT

NATURE RESERVES

Reserve Number : C19662 Name : (Stinton Cascade) Nature Reserve

STATUS

Area (ha): 132.0 District : Jarrahdale
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : WPCA File Date : 30/01/91
Shire : Jarrahdale Field Officer: SAM
CALM File No : WPR71/03 Field Date : 10/07/91
Public Plan: CALM Kelascott 1:50,000 BC64

ABIOTIC

Topographic Code : steep hills
Special Topo Features : monadnocks
Geological Substrate : granite, laterite
Special Geol Features :
Surface Hydrology : ephemeral stream (Stinton Brook)
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species :	E.marginata	E.marginata
Codominant Species :		E.calophylla
Formation Type :	forest	forest
Canopy Cover U/S :	50	50
Height U/S :	20.0	20.0
Canopy Cover G/L :	80	80
Height G/L :	1.0	1.0
Soil Colour :	orange brown	orange brown
Soil Texture :	loam	loam
Percentage Reserve :	75	25

Comments :

FLORA

Level of Knowledge : no data
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : very few weeds
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : whole reserve surveyed
Gazetted Rare Species : chuditch?
Nest Hollows Abundant : yes - in jarrah and marri
Pest Species : fox

GENERAL COMMENTS

Fire barriers: complete perimeter firebreaks, roads through n & e blocks.
Actions needed:maintain f'breaks,erect name signs once name is gazetted,patrol and signpost to prevent firewood removal,n'bikes & h'riding,liaise with adj. landowner to remove orchard debris on n boundary.System 6 Rec.M81.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high-middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : variable - 1-13 years

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : moderate
Perimeter Length (km) : 9.7
Perimeter Abutting :
Uncleared Land (km) : 5.5
Uncleared Land Within :
1 km of Boundary (ha): 1000
Percentage Adjoining : 88
Private Property : 59
Percentage Fenced : 59
Fence Stockproof : no,s boundary of a block not s'proof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : fauna survey by Rolystone Naturalists' Group (1991)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 4X reserve boundary signs

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances : Telecom,powerline,f'wood cutting,motorbikes,horses
Regeneration of B/Pits :
Comments :

Reserve Number : A16063 Name : Strange Road Nature Reserve

STATUS

Area (ha) : 553.0 District : Jarrahdale
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 27/09/90
Shire : Brooking Field Officer: SAM
CALM File No : NR 71/03 Field Date : 03/11/89
Public Plan: CALM Date 1:50,000 BX95

ABIOTIC

Topographic Code : steep low hills
Special Topo Features : breakaways, monadnocks
Geological Substrate : granite, laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species :	E. accedens	E. wandoo
Codominant Species :	-	-
Formation Type :	woodland	woodland
Canopy Cover U/S :	20	20
Height U/S :	18.0	18.0
Canopy Cover G/L :	30	30
Height G/L :	1.0	1.5
Soil Colour :	orange	brown
Soil Texture :	loam	loam clay
Percentage Reserve :	75	25

Comments : E. marginata, E. calophylla occur occasionally with E. accedens, granite & fringing veg. (5%)

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : introduced grasses on and adjacent to perimeter firebreaks
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : yes - many old wandoo and powderbarks
Pest Species :

GENERAL COMMENTS

Fire barriers: complete perimeter firebreaks, internal break and road along the northern boundary. Firebreak status of northern block unknown.
Actions needed: survey for Phytophthora and Araillaria.

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : high
Other Diseases : Armillaria
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : unknown - 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded : yes
Estimated Site Value : low
Details : old timber mill site, numerous elsewhere throughout SW - this site has no known special value

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 14.5
Perimeter Abutting :
Uncleared Land (km) : 0.6
Uncleared Land Within
1 km of Boundary (ha): 500
Percentage Adjoining : 94
Private Property : 94
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 1X new wooden routed

DISTURBANCE

Historical Disturbances : timber cutting, borrow pits, telephone line
Current Disturbances :
Regeneration of B/Pits : yes
Comments :

Reserve Number : C05712 Name : Brookton Highway Nature Reserve

STATUS

Area (ha) : 404.0 District : Jarrahdale
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 01/11/89
Shire : Brookton Field Officer: SAM
CALM File No : MR 71/04 Field Date : 03/11/89
Public Plan: CALM Date 1:50,000, BW101

ABIOTIC

Topographic Code : steep low hills
Special Topo Features :
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	E.accedens	E.wandoo
Codominant Species :		
Formation Type	woodland	
Canopy Cover U/S	30	20
Height U/S	18.0	18.0
Canopy Cover G/L	20	20
Height G/L	0.5	0.5
Soil Colour	orange	brown
Soil Texture	loam	clay loam
Percentage Reserve	65	35

Comments : E.calophylla occurs occasionally with E.accedens

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : some introduced grasses adjacent to private property
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - in old wandoo and powderbarks
Pest Species :

GENERAL COMMENTS

Fire barriers: no firebreaks discernible on the ground, although evident on 1986 photography, roads on two boundaries and through eastern part of the Reserve.
Actions needed: remove old sign, maintain/construct boundary firebreaks, close and rehabilitate excess tracks, survey for *Amillaria*.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases : *Amillaria*?
Fire Barriers : see comments
Trafficable Firebreaks: no
Need Maintenance : yes
Age of Vegetation : 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 10.5
Perimeter Abutting
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha): 1000
Percentage Adjoining : 60
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details : WPD rest area on northern boundary
Research Projects : no
Research Details :

Facilities Available : Bin (1)
Signposting Adequate : yes
Condition of Signs : 7x new wooden routed-remove old sign

DISTURBANCE

Historical Disturbances : gravel pits, powerline
Current Disturbances : excess tracks
Regeneration of B/Pits : yes
Comments :

MUNDARING DISTRICT

NATURE RESERVES

Reserve Number : C33188 Name : Dobadderry Nature Reserve

STATUS

Area (ha) : 806.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Beverley Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 01/10/90
Public Plan: CALM Date 1:50,000 BN 96

ABIOIC

Topographic Code : steep low hills
Special Topo Features : monadnocks
Geological Substrate : granite, laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	E.wandoo	E.marginata
Codominant Species	E.accedens	E.calophylla
Formation Type	woodland	woodland
Canopy Cover U/S	: 30	30
Height U/S	: 15.0	15.0
Canopy Cover G/L	: 30	60
Height G/L	: 0.5	1.5
Soil Colour	: brown	brown
Soil Texture	: loam	loam
Percentage Reserve	: 90	10

Comments :

FLORA

Level of Knowledge : whole reserve surveyed
Floristic Richness : high
Gazetted Rare Species :
Weed Species : annuals, grasses on firebreak, around granite
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : yes - murrumbidgee, jarrah
Pest Species : foxes, rabbits

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, gravel road on north boundary and internal breaks.

Actions needed: remove old signs, maintain firebreaks, (repair erosion on se corner), rescind informal approval for Brookton Shire to remove gravel, rehab. pits, close and rehab. un-needed internal tracks (sw part), System 6 Rec. 035.

DISEASE / FIRE

Dieback Presence : no evidence
Position in Landscape : high-middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes, erosion on south boundary
Age of Vegetation : 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 16.0
Perimeter Abutting
Uncleared Land (km) : 2.0
Uncleared Land Within
1 km of Boundary (ha) : 250
Percentage Adjoining
Private Property : 80
Percentage Fenced : 100
Pence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : botanical survey by M.Trudgeon (1985?)

Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X old FWL, 4X new wooden routed

DISTURBANCE

Historical Disturbances : extra tracks, timber cutting, gravel pits
Current Disturbances : gravel pits
Regeneration of B/Pits : none
Comments :

Reserve Number : C34442 Name : Dobaderry Nature Reserve

STATUS

Area (ha): 1996.0 District : Wandaring
Purpose : Conservation of Flora and Fauna Pile Officer : SAM
Vesting : NPWCA Pile Date : 04/01/90
Shire : Beverley Field Officer: SAM
CALM File No : NR01/02/02 Field Date : 16/10/90
Public Plan: CALM Gnapin 1:50,000 BJ 93

ABIOTIC

Topographic Code : undulating rises
Special Topo Features : sand plain,swamp
Geological Substrate : granite,sand
Special Geol Features :
Surface Hydrology : swamp
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	E.wandoo	E.marginata
Codominant Species	E.accedens	
Formation Type	woodland	woodland
Canopy Cover 0/S	30	40
Height 0/S	15.0	15.0
Canopy Cover G/L	70	80
Height G/L	1.0	1.5
Soil Colour	grey	white/orange
Soil Texture	clay loam	sand
Percentage Reserve	95	5

Comments : occasional sarri in E.wandoo and E.marginata woodlands

FLORA

Level of Knowledge : whole reserve surveyed
Floristic Richness : high
Gazetted Rare Species : Verreauxia verreauxii,L.laricina,L.pulvinaris,Hydrocotyle lennoides
Weed Species : introduced grasses on perimeter firebreaks
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : yes - Jarrah, wandoo, sarri
Pest Species : foxes, rabbits

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak (80%), none on 2/3 south boundary, road on east boundary, track on north boundary, internal breaks.
Actions needed: request addition of PT 28575 (on south boundary) to Reserve, maintain firebreaks, signpost & patrol to prevent shooting & timber removal. System 6 C35.

DISEASE / FIRE

Dieback Presence : no evidence
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes, overgrown
Age of Vegetation : 20-30 yrs + in places

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 19.0
Perimeter Abutting :
Uncleared Land (ha) : 17.0
Uncleared Land Within
1 km of Boundary (ha): 2000
Percentage Adjoining
Private Property : 10
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : depth gauge in Dobaderry swamp, BAOU Survey, botanical survey by M.Trudgeon (1985?)
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 1X new wooden roated

DISTURBANCE

Historical Disturbances :
Current Disturbances : firewood/timber removal, bird poaching, shooting
Regeneration of B/Pits :
Comments :

Reserve Number : C07306 Name : Dobaderry Nature Reserve

STATUS

Area (ha) : 1307.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : RPPCA File Date : 04/01/90
Shire : Beverley Field Officer: SAM
CALM File No : WR01/02/02 Field Date : 16/10/90
Public Plan: CALM Gunapin 1:50,000 B495

ABIOTIC

Topographic Code : rolling low hills
Special Topo Features : breakaways
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	B.wandoo	B.marginata
Codominant Species	B.accedens	B.calophylla
Formation Type	woodland	woodland
Canopy Cover U/S	30	30
Height U/S	18.0	15.0
Canopy Cover G/L	50	70
Height G/L	0.5	1.5
Soil Colour	orange	orange
Soil Texture	loam	loam
Percentage Reserve	75	25

Comments : jarrah-marri woodland also includes powderbark & wandoo, patch of sandplain with B.attenuata

FLORA

Level of Knowledge : whole reserve surveyed
Floristic Richness : high
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : yes - jarrah, wandoo, marri
Pest Species : rabbits, cats, foxes

GENERAL COMMENTS

Fire barriers: partial perimeter (none on east 1/3 south boundary), road on west boundary, 2 internal breaks.
Actions needed: request addition of PT 23752 (on south boundary) to Reserve, maintain firebreaks, patrol & signpost to prevent shooting. System 6 C35.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes, firebreaks overgrown
Age of Vegetation : 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 15.0
Perimeter Abutting :
Uncleared Land (km) : 10.0
Uncleared Land Within
1 km of Boundary (ha) : 2000
Percentage Adjoining : 63
Private Property : 90
Percentage Fenced : 90
Fence Stockproof : no, central part of s bdy not stockproof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : botanical survey by M.Trudgeon (1985?)
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 2X new wooden routed

DISTURBANCE

Historical Disturbances : extra tracks, gravel pits, timber cutting
Current Disturbances : kangaroo shooting - marked absence of kangaroos
Regeneration of B/Pits : regenerating naturally
Comments :

Reserve Number : C19740 Name : Bartram Nature Reserve

STATUS

Area (ha) : 58.0
Purpose : Conservation of Flora and Fauna
Vesting : NPWCA
Shire : Brooking
CALM File No : NP71/02/02
Public Plan: CALM Date 1:50,000 BV101

District : Mundaring
File Officer : SAM
File Date : 04/01/90
Field Officer: SAM
Field Date : 24/01/90

DISEASE / FIRE

Dieback Presence : uninterpretable
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no
Need Maintenance : yes
Age of Vegetation : 30 yrs +, 1 ha burnt autumn '91 (unplanned)

ABIOTIC

Topographic Code : rolling low hills
Special Topo Features : monadnock, breakaway
Geological Substrate : granite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

VEGETATION

Most Abundant Formation
Dominant Species : E. accedens
Codominant Species :
Formation Type : woodland
Canopy Cover U/S : 30
Height U/S : 10.0
Canopy Cover G/L : 20
Height G/L : 1.5
Soil Colour : orange-grey
Soil Texture : clay loam
Percentage Reserve : 65

Second Abundant Formation
E. wandoo
woodland
30
10.0
20
1.5
orange-grey
clay loam
20

ACCESS

Access To Boundary : moderate
Access Within Reserve : moderate
Perimeter Length (km) : 3.4
Perimeter Abutting
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha) : 440
Percentage Adjoining
Private Property : 91
Percentage Fenced : 100
Fence Stockproof : yes

Comments : other fralms include sheoak (A. huegeliana) low forest (10%) and brown mallet (E. austrigena)

FLORA

Level of Knowledge : partly surveyed
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : introduced grasses on western boundary
Percentage of Reserve : 5.0

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species : adjacent landholders have seen rare fauna (NPR file)
Weat Hollows Abundant : yes - old powderbarks
Pest Species : rabbits, foxes

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances : camping, shooting, pole cutting
Regeneration of B/Pits :
Comments : brown mallet regenerating well following cutting > 10 years ago

GENERAL COMMENTS

Fire barriers - partial perimeter firebreak, road on east side, 1 internal track.
Actions needed: erect CALM standard signs, place culvert on nw boundary to allow perimeter access, signpost to prevent camping, shooting and timber cutting.

Reserve Number : C08420 Name : (Wills) Nature Reserve

STATUS

Area (ha) : 35.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Brookton Field Officer: SAM
CALM File No : W201/02/02 Field Date : 24/01/90
Public Plan: CALM Dale 1:50,000 BU102

ABIOFIC

Topographic Code : rolling low hills
Special Topo Features : monadnocks, breakways
Geological Substrate :
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

V88EXTATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	E. accedens	E. astrigens
Codominant Species		E. accedens
Formation Type	woodland	woodland
Canopy Cover U/S	30	10
Height U/S	12.0	20.0
Canopy Cover G/L	20	0
Height G/L	1.5	0.0
Soil Colour	orange	orange
Soil Texture	clay loam	clay loam
Percentage Reserve	75	15

Comments : other (rain is heath)(aei.leuca, hakea, dryandra)10%, 2-3 stunted jarrah on sw bndry

FLORA

Level of Knowledge : partly surveyed
Floristic Richness : moderate-high
Gazetted Rare Species :
Weed Species : grasses near farms
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : yes - old powderbarks
Pest Species : rabbits and foxes

GENERAL COMMENTS

Fire barriers - partial perimeter firebreak, road on east boundary.
Actions needed : get name gazetted, erect CALM standard signs, rehabilitate pit.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no
Need Maintenance : yes
Age of Vegetation : unknown - 20 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 2.7
Perimeter Abutting :
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha) : 58
Percentage Adjoining : 50
Private Property : 100
Percentage Fenced : yes
Pence Stockproof :

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : timber cutting, gravel pit
Current Disturbances :
Regeneration of B/Pits : shrubs & grasses returning to gravel pit
Comments :

Reserve Number : C12 Name : Burroloo Well Mature Reserve

STATUS

Area (ha): 11.0 District :
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Chittering Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 15/11/90
Public Plan: CALM Julianar G 1:50,000 L461

ABIOFIC

Topographic Code : rolling rises
Special topo Features : hill/gentle breakaway in nw cr
Geological Substrate : laterite, sand
Special Geol Features :
Surface Hydrology : permanent well (not lined)
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.calophylla	weeds (grasses)
Codominant Species :		
Formation Type	: woodland	grassland
Canopy Cover U/S	: 40	10
Height U/S	: 20.0	0.3
Canopy Cover G/L	: 80	0
Height G/L	: 0.3	0.0
Soil Colour	: orange	orange
Soil Texture	: sand, loam	sand, loam
Percentage Reserve	: 80	20

Comments : E.rudis around well, occasl E.marginata in nw cnr, areas of grey sand in centre of Reserve

FLORA

Level of Knowledge : Species list
Floristic Richness : moderate
Garctted Rare Species :
Weed Species : heavily infested with grasses
Percentage of Reserve : 70.0

FAUNA

Level of Knowledge : no data
Garctted Rare Species :
Nest Hollows Abundant : yes - marri
Pest Species : foxes

GENERAL COMMENTS

Fire boundaries: complete perimeter firebreak (ignassable stream cuts north boundary firebreak) road along east boundary, track into well from road.
Actions needed: erect CALM standard signs, maintain firebreaks, inc. culvert on n boundary firebreak at stream crossing. System 6 Rec. C18.

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : middle-low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes, except where stream cuts n boundary
Need Maintenance : yes, regularly to control grasses
Age of Vegetation : 1-2 yrs

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded : yes
Estimated Site Value : moderate
Details : some scattered quartz chips, old timber mill site and historic stopping/camp
ing place

ACCESS

Access To Boundary : moderate
Access Within Reserve : low
Perimeter length (km) : 1.3
Perimeter Abutting
Uncleared Land (km) : 0.1
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining : 73
Private Property : 100
Percentage Fenced : 100
Pence Stockproof : yes

USAGE

Significant Recreation Site : yes
Recreation Details : camping and picnicking
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : rubbish dumped, old mill site
Current Disturbances : water carting
Regeneration of B/Pits :
Comments :

Reserve Number : C966 Name : (Uduung) Mature Reserve

STATUS

Area (ha): 164.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/10/90
Shire : Chittering Field Officer: SAM
CALM File No : NR71/02/01 Field Date : 15/05/90
Public Plan: DOLA Wannan 1:50,000 550421

ABIORIC

Topographic Code : rolling low hills
Special Topo Features : breakways
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology : ephemeral stream (Uduung Bk)
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species :	E.wandoo	E.calophylla
Codominant Species :		
Formation Type :	woodland	
Canopy Cover W/S :	30	50
Height W/S :	20.0	25.0
Canopy Cover G/L :	60	60
Height G/L :	1.0	1.5
Soil Colour :	orange	orange
Soil Texture :	loam	loam
Percentage Reserve :	70	20

Comments : 10% powderbark to 20m

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species : Asterolasia nivea translocated from adjacent road verge
Weed Species : docks along Brook
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - numerous wandoo and marri
Pest Species :

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak, roads through east and north parts, 1 internal break (e block).
Actions needed: get name gazetted, erect CALM standard signs, rehabilitate pit, monitor A.nivea, seek addition of MRU Gravel Res. 27028 to NR. System 6 Rec. CIL.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments.
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : unknown - 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : moderate
Perimeter Length (km) : 8.5
Perimeter Abutting :
Uncleared Land (km) : 2.6
Uncleared Land Within :
1 km of Boundary (ha): 38
Percentage Adjoining : 70
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : A.nivea translocation within Reserve
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : timber cutting, gravel pit
Current Disturbances :
Regeneration of B/Pits : limited, natural regeneration
Comments :

Reserve Number : A4070 Name : Barracca Nature Reserve

STATUS

Area (ha) : 17.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWS File Date : 04/01/90
Shire : Chiltering Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 15/05/90
Public Plan: CALM Avon Valley 1:50,000 LMS8

ABIOIOTIC

Topographic Code : gently undulating rises
Special Topo Features :
Geological Substrate : sand
Special Geol Features :
Surface Hydrology : wandoos flat flooded in winter
Comments :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : Eucalyptus
Codominant Species : B. attenuata
Formation Type : woodland
Canopy Cover U/S : 15
Height U/S : 15.0
Canopy Cover G/L : 70
Height G/L : 1.0
Soil Colour : grey
Soil Texture : sand
Percentage Reserve : 40

Comments : Eucalyptus/B. marginata woodland covers a further 20% of the area with some B. totiana

FLORA

Level of Knowledge : species list
Floristic Richness : high
Gazetted Rare Species :
Weed Species : Cape weed and Cape tulip on adjacent properties, otherwise few weeds
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - mallee, wandoos
Pest Species :

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, road on south-east boundary.
Actions needed: survey for dieback, maintain firebreaks, liaise with landholder re n boundary fence, re-site n boundary track back onto the fence line.

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Weed Maintenance : yes
Age of Vegetation : 15 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 1.9
Perimeter Abutting
Uncleared Land (km) : 0.7
Uncleared Land Within
1 km of Boundary (ha): 100
Percentage Adjoining
Private Property : 68
Percentage Fenced : 100
Fence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 2X new wooden routed

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances : wildflower picking?
Regeneration of B/Pits :
Comments :

Reserve Number : A29538 Name : Chittering Lakes Nature Reserve

STATUS

Area (ha) : 231.0 District : Munding
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Chittering Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 15/05/90
Public Plan: CALM Julianar 1:50,000 1883

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate : sand
Special Geol Features :
Surface Hydrology : freshwater lakes
Comments :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : Melaleuca spp. open water
Codominant Species : E.rudis
Formation Type : woodland
Canopy Cover U/S : 90 0
Height U/S : 10.0 0.0
Canopy Cover G/L : 0 0
Height G/L : 0.0 0.0
Soil Colour : grey
Soil Texture : sand
Percentage Reserve : 55 45

Comments

FLORA

Level of Knowledge : species list
Floristic Richness : low
Gazetted Rare Species :
Weed Species : watsonia (edge of Grt Northern Hwy)
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species : freckled duck, also high counts of Australasian grebes & yellow spoonbills
Weat Hollows Abundant : yes - flooded gum, nearby wandoo
Past Species : foxes, cats, dogs

GENERAL COMMENTS

Fire barriers: no firebreaks, road along north-west side of Chittering Lake, rough track along most of west side of Lake Needonga.
Actions needed: resolve fencing and boundaries with adjacent landowners (boundaries will be difficult to define). System 6 Rec. C19.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no firebreaks
Need Maintenance :
Age of Vegetation : 1 yr to unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details : artefacts on s boundary, area used extensively by Aborigines

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 17.0
Perimeter Abutting :
Uncleared Land (km) : 1.0
Uncleared Land Within :
1 km of Boundary (ha): 0
Percentage Adjoining : 87
Private Property : 50
Percentage Fenced : 50
Pence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOV Survey 1981-85
Facilities Available : no
Signposting Adequate : no
Condition of Signs : 3-4% new wooden routed

DISTURBANCE

Historical Disturbances : grazing
Current Disturbances : grazing, drain and weir, businesses on Lake edge
Regeneration of B/Pits :
Comments :

Reserve Number : A12807 Name : Mt Byromanning Nature Reserve

STATUS

Area (ha): 181.0 District : Wundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Chittering Field Officer: SAM
CALM File No : NRT1/02/01 Field Date : 20/06/90
Public Plan: CALM Julianar 1:50,000 L564

ABIOTIC

Topographic Code : very steep hills
Special Topo Features : breakaway
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Comments : ephemeral streams in gullies

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species :	Gastrolobium sp.	Xanthorrhoea preissii
Codominant Species :		Hakea sp.
Formation Type :	heath	heath
Canopy Cover U/S :	80	80
Height U/S :	1.5	1.5
Canopy Cover G/L :	0	0
Height G/L :	0.0	0.0
Soil Colour :	orange	orange
Soil Texture :	loam clay	loam clay
Percentage Reserve :	80	20

Comments : occas. E.wandoo 10m over Gastrolobium sp., E.scedens 18m over b'boys & hakea, E.macrocarpa

FLORA

Level of Knowledge : no data
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : introduced grasses along boundaries
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Weed hollow Abundant : yes - patches of wandoo and powderbark
Pest Species :

GENERAL COMMENTS

Fire barriers: complete perimeter firebreaks (parts on private property).

Actions needed: arrange for access gate, erect CALM standard signs, resolve fencing & with adjacent landowners, fix erosion problems on firebreaks (culverts). System 6 Rec. C20.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Weed Maintenance : yes
Age of Vegetation : 3-4 years

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : nil
Access Within Reserve : low
Perimeter Length (km) : 10.3
Perimeter Abutting :
Uncleared Land (km) : 3.5
Uncleared Land Within :
1 km of Boundary (ha): 100
Percentage Adjoining :
Private Property : 100
Percentage Fenced : 56
Pence Stockproof : no

USAGES

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances :
Current Disturbances : shooting, illegal burning by farmers
Regeneration of B/Pits :
Comments :

Reserve Number : A37050 Name : Chandala Nature Reserve

STATUS

Area (ha) : 136.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Chittering Field Officer: SAM
CALM File No : M21/02/02 Field Date : 20/06/90
Public Plan: CALM Yanchep 1:50,000 LL54

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate : sand, peat
Special Geol Features :
Surface Hydrology : freshwater lake
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: Melaleuca sp.	open water/pasture
Codominant Species	: K.rudis/Banksia sp.	
Formation Type	: shrubland	
Canopy Cover U/S	: 70	0
Height U/S	: 4.0	0.0
Canopy Cover G/L	: 0	0
Height G/L	: 0.0	0.0
Soil Colour	: grey	grey
Soil Texture	: sand clay	sand clay
Percentage Reserve	: 50	50

Comments :

FLORA

Level of Knowledge : partly surveyed
Floristic Richness : low
Gazetted Rare Species :
Weed Species : grasses
Percentage of Reserve : 70.0

FAUNA

Level of Knowledge : whole reserve surveyed
Gazetted Rare Species : freckled duck-second most important wetland for breeding in south west
Nest Hollows Abundant : no - occasional flooded gum
Pest Species : rabbits, goats

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak - flooded and impassable in winter.
Actions needed: erect CALM standard signs, eradicate goats and cattle, control rabbits, resolve fencing & stock exclusion with adjacent landowner.

DIEBACK / FIRE

Dieback Presence : suspected (ne corner)
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : 50 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details : area used extensively by Aboriginals

ACCESS

Access To Boundary : nil
Access Within Reserve : nil
Perimeter Length (km) : 4.9
Perimeter Abutting :
Uncleared land (km) : 8.5
Uncleared Land Within
1 km of Boundary (ha): 200
Percentage Adjoining
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : BAOU Survey 1981-85,OSTRO and BAOU bird banding,survey by Tingay[nd]
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : vegetable growing, grazing
Current Disturbances : grazing by cattle and goats, occas. shooting
Regeneration of B/Pits :
Comments :

Reserve Number : A11310 Name : (Needham) Nature Reserve

STATUS

Area (ha): 7.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Murrumbidgee Field Officer: SAM
CALM File No : M971/02/02 Field Date : 27/04/90
Public Plan: CALM Murrumbidgee 1:50,000 AC76

ABIOLOGIC

Topographic Code : undulating rises
Special Topo Features :
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.marginata	
Codominant Species	: E.wandoo	
Formation Type	: woodland	
Canopy Cover U/S	: 30	0
Height U/S	: 18.0	0.0
Canopy Cover G/L	: 50	0
Height G/L	: 0.5	0.0
Soil Colour	: orange	
Soil Texture	: loam clay	
Percentage Reserve	: 100	0

Comments : also E.calophyllia in jarrah-wandoo association

FLORA

Level of Knowledge : no data
Floristic Richness : low
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - old jarrah, wandoo, murrumbidgee
Pest Species :

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, road on north and east boundaries.
Actions needed: get name gazetted, signpost to prevent horse-riding & motor cycles.

DIEBACK / FIRE

Dieback Presence : unknown
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : 6 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : high
Access Within Reserve : nil
Perimeter Length (km) : 1.0
Perimeter Abutting :
Uncleared Land (km) : 0.0
Uncleared Land Within :
1 km of Boundary (ha): 10
Percentage Adjoining :
Private Property : 50
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :

Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 1X new wooden routed

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances : horse-riding, motor cycles, animals
Regeneration of B/Pits :
Comments :

Reserve Number : C30667 Name : Beechina Nature Reserve

STATUS

Area (ha) : 59.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWSA File Date : 08/01/90
Shire : Murrumbidgee Field Officer: SAM
CALM File No : MNT/02/01 Field Date : 27/04/90
Public Plan: CALM Murrumbidgee 1:50,000 AM76

ABIOIC

Topographic Code : rolling low hills
Special Topo Features :
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: <i>Eucalyptus</i>	
Codominant Species	: <i>A. fraseriana</i>	
Formation Type	: woodland	
Canopy Cover U/S	: 20	0
Height U/S	: 20.0	0.0
Canopy Cover G/L	: 40	0
Height G/L	: 2.0	0.0
Soil Colour	: orange	
Soil Texture	: loam clay	
Percentage Reserve	: 100	0

Comments : very occasional mallee, thickets of *Dryandra sessilis*

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : low
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species : honey possums (not declared rare)
Nest Hollows Abundant : yes - dead and dying mallee & jarrah
Pest Species :

GENERAL COMMENTS

Fire barriers: partial perimeter, partial buffer (west side) firebreaks, no internal breaks.

Actions needed: liaise with owner of loc 270 to repair fence, survey for d'back, replace non-standard signs, request add. of Res. 30797 & part of townsite Res. signpost to prevent h'riding & f'wood cutting, System 6 Rec.M27.

DISEASE / FIRE

Dieback Presence : suspected
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : 3-5 yrs

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate-high
Access Within Reserve : nil
Perimeter Length (km) : 3.7
Perimeter Abutting :
Uncleared Land (km) : 1.4
Uncleared Land Within :
1 km of Boundary (ha): 100
Percentage Adjoining :
Private Property : 38
Percentage Fenced : 100
Fence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X new wooden routed - wrong colour

DISTURBANCE

Historical Disturbances : extra tracks, timber cutting
Current Disturbances : horse-riding, firewood cutting
Regeneration of B/Pits :
Comments :

Reserve Number : C50081 Name : (Beechina North) Nature Reserve

STATUS

Area (ha): 24.0 District : Mundaring
Purpose : Conservation of Flora File Officer : SAM
Vesting : NV File Date : 08/01/90
Shire : Mundaring Field Officer: SAM
CALM File No : M271/02/01 Field Date : 27/04/90
Public Plan: CALM Mundaring 1:50,000 AJ 75

ABIOTIC

Topographic Code : rolling low hills
Special Topo Features :
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E. marginata	
Codominant Species	: E. calophylla	
Formation Type	: woodland	
Canopy Cover U/S	: 10	0
Height U/S	: 20.0	0.0
Canopy Cover G/L	: 50	0
Height G/L	: 0.3	0.0
Soil Colour	: orange	
Soil Texture	: loam clay	
Percentage Reserve	: 100	0

Comments : also forest sheoak beneath jarrah and marri

FLORA

Level of Knowledge : no data
Floristic Richness : low
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - some old jarrah and marri
Pest Species :

GENERAL COMMENTS

Fire barriers: partial perimeter firebreaks, roads on north west and west boundaries.
Actions needed: get name gazetted, erect CALM standard signs & signpost to prevent firewood cutting. System 6 Rec. M27.

DISBACK / FIRE

Disback Presence : suspected
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Weed Maintenance : no
Age of Vegetation : 2-3 yrs

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 2.0
Perimeter Abutting :
Uncleared Land (km) : 1.4
Uncleared Land Within
1 km of Boundary (ha): 150
Percentage Adjoining :
Private Property : 14
Percentage Fenced : 0
Pence Stockproof : not fenced

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances : firewood cutting
Regeneration of B/Pits :
Comments :

Reserve Number : A5644 Name : (Wortlock) Nature Reserve

STATUS

Area (ha) : 41.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWSA File Date : 04/01/90
Shire : Northam Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 24/01/91
Public Plan: DOLA Grass Valley 1:50,000 493 492

ABIOTIC

Topographic Code : rolling rises
Special Topo Features :
Geological Substrate :
Special Geol Features :
Surface Hydrology :
Comments : dam (saline) on creekline

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.salamonophloia	E.lozophleba
Codominant Species		Acacia acuminata
Formation Type	: woodland	woodland
Canopy Cover U/S	: 20	20
Height U/S	: 17.0	14.0
Canopy Cover G/L	: 40	60
Height G/L	: 0.3	0.3
Soil Colour	: grey-brown	grey
Soil Texture	: loam	clay loam
Percentage Reserve	: 50	30

Comments : remaining 20% sapphire/salt-affected land on north side of Reserve and jam woodland

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species : Wurabea drummondii
Weed Species : Cape tulip, grasses
Percentage of Reserve : 50.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : yes - old salmon gums
Pest Species : flock of sheep in Reserve, foxes

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, road on west boundary, several internal tracks.

Actions needed: liaison with farmer to keep sheep off Res., Gazette name signpost with name and to prevent f'wood cutting, close internal tracks, rehab. gravel pit, remove rubbish, as resources permit- liaise with farmers re-salinity.

DISEASE / FIRE

Dieback Presence : no evidence
Position in landscape : middle-low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no, n bdy boggy after rain
Age of Vegetation : unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter length (km) : 3.0
Perimeter Abutting
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining
Private Property : 67
Percentage Fenced : 100
Pence Stockproof : no, n and e boundaries not stockproof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : timber cutting, gravel pits
Current Disturbances : grazing, firewood cutting
Regeneration of B/Pits : limited
Comments :

Reserve Number : A7220 Name : Throssell Nature Reserve

STATUS

Area (ha): 18.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWSA File Date : 04/01/90
Shire : Northam Field Officer: SAM
CALM File No : N871/02/02 Field Date : 24/01/91
Public Plan: DOLA Grass Valley 1:50,000 502 487

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features :
Geological Substrate :
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	E.wandoo	E.salicopholia
Codominant Species		E.wandoo, E.oxophleba
Formation Type	woodland	woodland
Canopy Cover U/S	20	0
Height U/S	16.0	18.0
Canopy Cover G/L	50	50
Height G/L	0.2	0.2
Soil Colour	grey	grey
Soil Texture	loam	loam
Percentage Reserve	80	20

Comments : parrots denuded many b'boys, casuarinas stripped by locusts, re-sprouting leaves at twig tip

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : Cape tulip, grasses, wild oats
Percentage of Reserve : 20.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - old trees with hollows
Pest Species :

GENERAL COMMENTS

Fire barriers: complete perimeter firebreaks, road on south east boundary.
Actions needed: repair signs, patrol & signpost to prevent firewood cutting & bird poaching.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : 10 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 1.7
Perimeter Abutting :
Uncleared Land (km) : 0.0
Uncleared Land Within :
1 km of Boundary (ha): 0
Percentage Adjoining : 76
Private Property :
Percentage Fenced : 100
Pence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details : fire ring and swing in tree
Research Projects : yes
Research Details : management plan published (1987)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X new wooden routed - logos missing

DISTURBANCE

Historical Disturbances : timber cutting, rubbish dumping, grazing
Current Disturbances : firewood cutting, bird poaching?
Regeneration of B/Pits :
Comments :

Reserve Number : A29977 Name : Meenar Mature Reserve

STATUS

Area (ha) : 72.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWA File Date : 04/01/90
Shire : Northam Field Officer: SAM
CALM File No : Field Date : 24/01/91
Public Plan: DOLA Grass Valley 1:50,000 498 490

ABIOTIC

Topographic Code : undulating rises
Special Topo Features :
Geological Substrate : sand laterite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.loxophleba	Acacia acuminata
Codominant Species	: Acacia acuminata	Allocasuarina huegiana
Formation Type	: woodland	heath
Canopy Cover U/S	: 20	20
Height U/S	: 8.0	4.0
Canopy Cover G/L	: 50	50
Height G/L	: 0.3	0.5
Soil Colour	: grey	grey
Soil Texture	: clay loam	loam sand
Percentage Reserve	: 60	15

Comments : other formations include tanna (A.caspestris), heath (15%) and wandoo woodland (10%)

FLORA

Level of Knowledge : species lists
Floristic Richness : moderate
Gazetted Rare Species : sandalwood in corner -not declared rare
Weed Species : wild oats, Cape weed, Patersons curse, Cape tulip, soursob, stinking Roger
Percentage of Reserve : 20.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species : most westerly nesting site of red-backed kingfisher (not declared rare)
West Hollows Abundant : no - commons in limited area of wandoo
Pest Species : foxes, rabbits

GENERAL COMMENTS

Fire barriers: almost complete perimeter firebreak, numerous internal breaks and tracks, roads on north and south-west boundaries and north-south through Reserve centre.
Actions needed: repair erosion on firebreak, close un-needed tracks, rehab. degraded areas(gravel pits, closed tracks), repair signs & signpost to prevent camping & motor cycles, as resources permit, liaise with farmers re - salinity.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes, erosion e bndry creek
Age of Vegetation : 15 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded : yes
Estimated Site Value : low
Details : old railway station site

ACCESS

Access To Boundary : high
Access Within Reserve : high
Perimeter Length (km) : 4.0
Perimeter Abutting :
Uncleared Land (km) : 2.0
Uncleared Land Within :
1 km of Boundary (ha): 30
Percentage Adjoining :
Private Property : 50
Percentage Fenced : 100
Fence Stockproof : no, e end of n boundary not stockproof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : management plan published (1987)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 4X new wooden routed - logos missing

DISTURBANCE

Historical Disturbances : part-cleared, gravel pits, rubbish dumps
Current Disturbances : tracks, pipeline, powerlines, roads, motor cycles, camping
Regeneration of B/Pits : limited
Comments : salinity along creek, old townsite, motor cycles, firewood cutting

Reserve Number : A34772 Name : (Weenaar) Mature Reserve

STATUS

Area (ha) : 30.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWSA File Date : 04/01/90
Shire : Northam Field Officer: SAM
CALM File No : NH71/02/02 Field Date : 24/01/91
Public Plan: DOLA Grass Valley 1:50,000 499 489

ABIOTIC

Topographic Code : undulating rises

Special Topo Features :

Geological Substrate :

Special Geol Features :

Surface Hydrology :

Comments :

VEGETATION

Dominant Species : A.campestris Second Abundant Formation
Codominant Species : heath weeds on gravel pits

Formation Type : heath

Canopy Cover U/S : 20

Height U/S : 2.0 0.0

Canopy Cover G/L : 20

Height G/L : 0.5 0.0

Soil Colour : grey

Soil Texture : loam sand

Percentage Reserve : 30 25

Comments : other formations include wandoo woodland (25%), sheoak (A.huegeliana) woodland (20%)

FLORA

Level of Knowledge : species list

Floristic Richness : moderate

Gazetted Rare Species : sandalwood in east corner

Weed Species : wild oats, cape weed, patersons curse, cape tulip

Percentage of Reserve : 40.0

FAUNA

Level of Knowledge : no data

Gazetted Rare Species :

Nest Hollows Abundant : yes - wandoo

Pest Species :

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, one internal, railway line on south side, Weenaar Road on north-west boundary.
Actions needed: get name gazetted, signpost, repair and prevent erosion on firebreaks, rehabilitate gravel pits, remove rubbish.

DISBACK / FIRE

Disback Presence : no evidence

Position in Landscape : middle

Other Diseases :

Fire Barriers : see comments

Trafficable Firebreaks: yes

Need Maintenance : yes, erosion of internal track

Age of Vegetation : 15 yrs +

HISTORIC

Number Aboriginal Sites : 0

Estimated Site Value :

European Sites Recorded : yes

Estimated Site Value : medium

Details : old school site (signposted) - no buildings remain

ACCESS

Access To Boundary : moderate

Access Within Reserve : limited

Perimeter Length (km) : 2.5

Perimeter Abutting

Uncleared Land (km) : 1.0

Uncleared Land Within

1 km of Boundary (ha): 72

Percentage Adjoining

Private Property : 32

Percentage Fenced : 100

Fence Stockproof : yes

USAGE

Significant Recreation Site : no

Recreation Details :

Research Projects : no

Research Details :

Facilities Available : none

Signposting Adequate : no

Condition of Signs : absent

DISTURBANCE

Historical Disturbances : extra tracks, gravel pits, rubbish

Current Disturbances : transmission tower

Regeneration of B/pits : limited

Comments :

Reserve Number : C03063 Name : Vootisting Mature Reserve

STATUS

Area (ha): 234.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 08/01/90
Shire : Northam Field Officer: SAM
CALM File No : NR71/02/01 Field Date : 27/04/90
Public Plan: CALM Mundaring 1:50,000 AC84

ABIOTIC

Topographic Code : undulating low hills
Special Topo Features :
Geological Substrate :
Special Geol Features : laterite
Surface Hydrology :
Comments : ephemeral stream - Chingsanning Gully Sth

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.marginata	E.wandoo
Codominant Species	: E.calophylla	
Formation Type	: woodland	woodland
Canopy Cover U/S	: 10	0
Height U/S	: 18.0	18.0
Canopy Cover G/L	: 50	0
Height G/L	: 0.3	0.0
Soil Colour	: orange	grey
Soil Texture	: loam clay	sand clay
Percentage Reserve	: 70	25

Comments : remaining 5% E.calophylla on white sand,dominant formation also includes E.wandoo

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : Cape tulip on west boundary
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Wet Hollows Abundant : yes - old marri, jarrah, wandoo
Pest Species :

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak, road through east part and on north boundary.
Actions needed: replace non-standard CALM signs, treat Cape tulip on s end of w boundary, rehabilitate pits, remove trail bike circuit, signpost & patrol to prevent m'cycles & firewood cutting. System 6 Rec. C30.

DIEBACK / FIRE

Dieback Presence : uninterpretable
Position in Landscape : all
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : unknown, appears burnt frequently in past

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 6.4
Perimeter Abutting :
Uncleared Land (km) : 4.3
Uncleared Land Within
1 km of Boundary (ha): 1000
Percentage Adjoining
Private Property : 33
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : yes
Recreation Details : camping, shooting, trail bikes,(bush circuit)
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : ?X new wooden routed

DISTURBANCE

Historical Disturbances : timber cutting, gravel pits
Current Disturbances : trail bikes(bush circuit),f'wood cutting,powerline
Regeneration of B/Pits : limited, floors still bare
Comments :

Reserve Number : A31211 Name : Moline Nature Reserve

STATUS

Area (ha): 289.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna
File Officer : SAM
Vesting : RPA
Shire : Northam
CALM File No : NRT/02/01
Public Plan: CALM Talbot 1:50,000 AB92
Field Date : 27/04/90

ABIOTIC

Topographic Code : rolling low hills
Special Topo Features : monadnocks, breakaways
Geological Substrate : granite, laterite
Special Geol Features :
Surface Hydrology : ephemeral streams (tributaries of Carolin Rk)
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	B. accedens	E. wandoo
Codominant Species		
Formation Type	woodland	
Canopy Cover U/S	20	
Height U/S	10.0	
Canopy Cover G/L	50	
Height G/L	1.5	
Soil Colour	pink	grey
Soil Texture	sand loam	sand loam
Percentage Reserve	40	30

Comments : woodland of sheoak and jam covers a further 20%

FLORA

Level of Knowledge : whole reserve surveyed
Floristic Richness : high
Gazetted Rare Species : Acacia aphylla, Asterolasia grandiflora
Weed Species : Patersons curse, lupins, Guildford grass
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : whole reserve surveyed
Gazetted Rare Species :
Nest Hollows Abundant : yes - wandoo and powderbark
Pest Species : foxes and rabbits

GENERAL COMMENTS

Fire barriers: complete perimeter and internal breaks, road on south boundary.
Actions needed: replace signs with CALM standard signs, fix erosion on firebreaks, close and rehabilitate old firebreak in south-west corner, patrol & signpost against h'riding & shooting.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : all
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes, drainage works
Age of Vegetation : 20-25 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : low
Perimeter Length (km) : 8.0
Perimeter Abutting :
Uncleared Land (km) : 0.5
Uncleared Land Within :
1 km of Boundary (ha): 0
Private Property : 81
Percentage Fenced : 100
Pence Stockproof : no

USAGE

Significant Recreation Site : yes
Recreation Details : shooting, camping, horseriding
Research Projects : yes
Research Details : mgt plan(1987), including biological survey, 6 pit-lines established
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 1X FWL old metal

DISTURBANCE

Historical Disturbances : timber cutting, extra tracks, grazing, SECWA p'line
Current Disturbances : horseriding, shooting
Regeneration of B/Pits :
Comments : erosion on boundary tracks and SECWA powerline

Reserve Number : C2400 Name : Clackline Nature Reserve

STATUS

Area (ha): 459.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SM
Vetting : NPWS File Date : 04/01/90
Shire : Murrumbidgee Field Officer: SM
CALM File No : M71/02/02 Field Date : 22/01/91
Public Plan: CALM Avon Valley 1:50,000 LY86 DOLA Northam 1:50,000 491454

ABORIGINAL

Topographic Code : steep low hills
Special Topo Features : Breakaways
Geological Substrate : laterite,sand,clay
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

VEGETATION

Host Abundant Formation		Second Abundant Formation	
Dominant Species	: E.accedens		E.marginalia
Codominant Species	: E.wandoo		E.calophylla
Formation Type	: woodland		woodland
Canopy Cover U/S	: 30		20
Height U/S	: 15.0		17.0
Canopy Cover G/L	: 30		80
Height G/L	: 2.0		2.5
Soil Colour	: grey-orange		grey-orange
Soil Texture	: sand loam		sand loam
Percentage Reserve	: 50		25

Comments : wandoo woodland (20%), sheoak woodland (A.huegeliana)(<5%),banksia spp. & E.astringens

FLORA

Level of Knowledge : species list
Floristic Richness : high
Gazetted Rare Species : un-named Bracteaceae sp.
Weed Species : small patches of grass along western boundary
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - old jarrah,powderbark,wandoo,marri
Pest Species : foxes

GENERAL COMMENTS

Fire barriers: complete perimeter break(small part on private land).

Actions needed:remove old signs,replace non-standard new signs,close and rehab. unwanted tracks(see agt plan),seek addition of uncleared land n e of Res...signpost to prevent h'riding,m'cycles & shooting, System 6 Rec.029.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : 30 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : low
Access Within Reserve : low
Perimeter Length (km) : 17.5
Perimeter Abutting :
Uncleared Land (km) : 11.0
Uncleared Land Within :
1 km of Boundary (ha): 400
Percentage Adjoining : 77
Private Property : 44
Percentage Fenced : 44
Pence Stockproof : no, sections of e bndry not stockproof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : management plan published (1987)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X old metal,2X new wood. - wrong colour

DISTURBANCE

Historical Disturbances : timber cutting, gravel pits, motorcycles
Current Disturbances : shooting, horse-riding, motor cycles
Regeneration of B/Pits : regenerating naturally
Comments :

Reserve Number : A39247 Name : Warranine Nature Reserve

STATUS

Area (ha) : 35.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : RPRCA File Date : 04/01/90
Shire : Northam Field Officer: SAM
CALM File No : WR71/02/01 Field Date : 20/06/90
Public Plan: DOLA Northam 1:50,000 487456

ABIOTIC

Topographic Code : steep low hills
Special Topo Features : monadnocks
Geological Substrate : granite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: B.wandoo	
Codominant Species	: B.calophylla	
Formation Type	: woodland	
Canopy Cover U/S	: 10	0
Height U/S	: 15.0	0.0
Canopy Cover G/L	: 10	0
Height G/L	: 8.0	0.0
Soil Colour	: brown	
Soil Texture	: loam	
Percentage Reserve	: 100	0

Comments : Gyrstonen (tree 3-4m) of interest

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species : Acacia Phylla
Weed Species : some Guildford grass, flint weed on firebreaks, 4 ha of pasture
Percentage of Reserve : 10.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - wandoo
Pest Species : rabbits and foxes

GENERAL COMMENTS

Fire barriers: incomplete perimeter firebreaks, large rock surfaces.
Actions needed: erect CALM standard signs, signpost to prevent shooting, maintain firebreaks, replant cleared south-east corner with local native species (seed already collected).

DIEBACK / FIRE

Dieback Presence : no evidence
Position in landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : low
Perimeter Length (km) : 2.5
Perimeter Abutting
Uncleared Land (km) : 0.9
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :

Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances :
Current Disturbances : occasional shooting, grazing
Regeneration of B/Pits :
Comments : south east corner fenced off and grazed

Reserve Number : A25919 Name : Copley Dale Nature Reserve

STATUS

Area (ha) : 5.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 22/01/91
Shire : Swan Field Officer: SAM
CALM File No : MRT1/02/01 Field Date : 22/01/91
Public Plan: CALM Avon Valley 1:50,000 LY66

ABIOTIC

Topographic Code : rolling rises
Special Topo Features : monadnocks
Geological Substrate : granite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.wandoo	E.wandoo
Codominant Species	:	
Formation Type	: woodland	woodland
Canopy Cover U/S	: 30	10
Height U/S	: 12.0	12.0
Canopy Cover G/L	: 10	60
Height G/L	: 0.5	1.5
Soil Colour	: grey	grey
Soil Texture	: clay loam	clay loam
Percentage Reserve	: 50	40

Comments : other formation is A.huegeliana low forest (10%)

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : limited weed invasion on creek line
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : no - mainly regenerating wandoo
Pest Species : signs of pig diggings in south west corner

GENERAL COMMENTS

Fire barriers: road on east boundary, track adjacent to north boundary.
Actions needed: signpost with gazetted name, rip and rehabilitate old tracks. Adjoining property has a covenant for preservation of nature (?).

DISEASE / FIRE

Dieback Presence : no evidence
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks:
Need Maintenance :
Age of Vegetation : unknown, 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 1.2
Perimeter Abutting :
Uncleared Land (km) : 0.8
Uncleared Land Within
1 km of Boundary (ha) : 100
Percentage Adjoining : 0
Private Property : 0
Percentage Fenced : 0
Pence Stockproof : no

USAGE

Significant Recreation Site : yes
Recreation Details : picnic site
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent(1 sign "closed for conservation")

DISTURBANCE

Historical Disturbances : extra tracks, timber cutting, rubbish dumped
Current Disturbances :
Regeneration of B/Pits :
Comments : picnickers regularly visit

Reserve Number : C2393 Name : Wattening Nature Reserve

STATUS

Area (ha):	40.0	District	Mundaring
Purpose	Conservation of Flora and Fauna	File Officer	SAW
Westing	NPWCA	File Date	21/12/89
Shire	Toodyay	Field Officer	SAW
SAW File No	WAT/02/01	Field Date	23/01/94
Public Plan	DOLA Jenacubine		535 458

ABIOTIC

Topographic Code	:	undulating plain
Special Topo Features	:	
Geological Substrate	:	
Special Geol Features	:	
Surface Hydrology	:	permanent freshwa
Comments	:	

VEGETATION

Host Abundant Formation		Second Abundant Formation	
Dominant Species	: <i>E. lorophleba</i>	Dominant Species	: <i>Casuarina obesa</i>
Dominant Species	: <i>Acacia acuminata</i>	Dominant Species	: <i>Casuarina obesa</i>
Formation Type	: woodland	Formation Type	: woodland
Canopy Cover U/S	: 10	Canopy Cover U/S	: 50
Height U/S	: 14.0	Height U/S	: 14.0
Canopy Cover G/L	: 70	Canopy Cover G/L	: 40
Height G/L	: 0.3	Height G/L	: 0.3
Soil Colour	: grey	Soil Colour	: grey
Soil Texture	: clay	Soil Texture	: clay
Percentage Reserve	: 85	Percentage Reserve	: 10
Comments		: remaining 5% dominated by grassland	

A8013

Level of Knowledge : anecdotal records
 Floristic Richness : low
 Threatened Rare Species :
 Endemic Species : wild oats, other grasses, Patersons curse
 Percentage of Reserve : 90.0

АКАД.

Level of Knowledge : species list
 Categorized Rare Species :
 Nest Hollows Abundant : no
 Nest Species : sheep droppings & pads all over Reserve forest

GENERAL COMMENTS

fire barriers: roads on south boundary and south 1/2 of west boundary.

actions needed: monitor salt levels in water, erect standard signs, seek add. CG3 to Res. (contains freshwater well), liaise with farmers to ensure 'proof' fencing, liaise with LCD for tree plant. and bush protection in catchment.

DIEBACK / FIRE

```

Dieback Presence      : no evidence
Position in Landscape : low
Other Diseases        :
Fire Barriers        : see comments
Trafficable Firebreak:
Need Maintenance     :
Age of Vegetation     : 2 yrs (v.hot fire,vigorous regen.of york gum)

```

HISTORIC

```

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded : yes
Estimated Site Value : low
Details : old well/spring - valuable for its fresh water (not on Reserve)

```

ACCESS

Access To Boundary	:	moderate
Access Within Reserve	:	nil
Perimeter Length (km)	:	3.0
Perimeter Abutting	:	
Uncleared Land (km)	:	1.0
Uncleared Land Within	:	
1 km of Boundary (ha)	:	50
Percentage Adjoining	:	
Private Property	:	67
Percentage Fenced	:	50
Fence Stockproof	:	no

8951

```

: significant Recreation Site : no
: Recreation Details :
: yes
: research Projects
: research Details
: management plan published (1985)

: facilities Available : none
: Conditioning Adequate : no
: old - 2x4 PMU wooden routed
: condition of signs

```

DISCUSSION

Historical Disturbances : grazing
 Current Disturbances : grazing
 Regeneration of B/Pits :
 Comments : sheep foul water, erode banks, eat regeneration, spread weeds

Reserve Number : C19900 Name : Poison Gully Nature Reserve

STATUS

Area (ha) : 87.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWSA File Date : 04/01/90
Shire : Toodyay Field Officer: SAM
CALM File No : MNT1/02/02 Field Date : 20/06/90
Public Plan: CALM Julianar 1:50,000 L480

ABIOTIC

Topographic Code : steep low hills
Special Topo Features : breakaways
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: Eucalyphylla	Eucalyphylla
Codominant Species	: Eucalydens	Eucalydens
Formation Type	: woodland	woodland
Canopy Cover U/S	: 20	20
Height U/S	: 16.0	16.0
Canopy Cover G/L	: 50	20
Height G/L	: 3.0	1.5
Soil Colour	: brown	brown
Soil Texture	: loam	loam
Percentage Reserve	: 50	20

Comments : other formations include powderbark/brown mallee forest, and wild & powderbark forest - 30%

FLORA

Level of Knowledge : partly surveyed
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : partly surveyed
Gazetted Rare Species :
Nest Hollows Abundant : yes - wandoos, powderbark, marri
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak, 2 internal breaks.
Actions needed: erect CALM standard signs, maintain firebreaks, liaise with landowner to have north fence replaced/repared, signpost to prevent shooting.

DISEASE / FIRE

Disease Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : 30 yrs +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : nil
Access Within Reserve : low
Perimeter Length (km) : 4.5
Perimeter Abutting :
Uncleared land (km) : 0.5
Uncleared land Within :
1 km of Boundary (ha): 0
Percentage Adjoining :
Private Property : 100
Percentage Fenced : 100
Pence Stockproof : no, north fence not stockproof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : management plan published (1985)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances :
Current Disturbances : shooting?
Regeneration of 8/Pits :
Comments :

Reserve Number : 421499 Name : Rugged Hills Nature Reserve

STATUS

Area (ha) : 252.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWSA File Date : 08/01/90
Shire : Toodyay Field Officer: SAM
CALM File No : WRT1/02/01 Field Date : 23/01/91
Public Plan: CALM Jullimar and Arvon Valley 1:50,000 L081

ABIOTIC

Topographic Code : steep hills
Special Topo Features : breakways
Geological Substrate : granite, laterite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	E. wandoo	E. calophylla
Codominant Species :		woodland
Forastation Type	woodland	
Canopy Cover U/S	30	20
Height U/S	16.0	17.0
Canopy Cover G/L	50	70
Height G/L	2.0	2.0
Soil Colour	orange-grey	orange
Soil Texture	loam	loam
Percentage Reserve	50	30

Comments : powderbark occupies further 15%, remainder sheoak, york gum and jarrah

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : high
Gazetted Rare Species : small pockets of E. astrigens - not declared rare
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - old wandoo, powderbark, jarrah, murti
Pest Species : foxes, rabbits on eastern boundary

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, one internal break.
Actions needed: erect CALM standard signs with no horse-riding symbols, provide gate in south-west corner for management access, liaise with farmers to ensure fences are stockproof.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : low
Access Within Reserve : low
Perimeter Length (km) : 8.0
Perimeter Abutting :
Uncleared Land (km) : 5.0
Uncleared Land Within 1 km of Boundary (ha) : 100
Percentage Adjoining : 100
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : management plan published (1995)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : old - 2X PWL wooden routed

DISTURBANCE

Historical Disturbances : timber cutting, grazing
Current Disturbances : grazing, horse-riding
Regeneration of B/Pits :
Comments :

Reserve Number : A22096 Name : Kial Rock Gully Nature Reserve

STATUS

Area (ha): 336.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Toodyay Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 23/01/91
Public Plan: CALM Julian: 1:50,000 L081

ABIOTIC

Topographic Code : steep low hills
Special Topo Features : breakaways
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Rocks/soils :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : E.calophylla E.wandoo
Codominant Species : E.wandoo E.accedens
Formation Type : woodland woodland
Canopy Cover U/S : 20 30
Height U/S : 15.0 15.0
Canopy Cover G/L : 80 20
Height G/L : 3.0 3.0
Soil Colour : orange orange
Soil Texture : loam loam
Percentage Reserve : 45 30

Comments : powderbark woodland, with stands of brown mallet (E.astrocaryum), occupies a further 20% of area

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species : Asterolasia nivea
Weed Species : wild oats
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - murrumbidgee, powderbark
Pest Species :

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak (Reserve too steep around edges for complete perimeter break), 2 internal firebreaks.
Actions needed: erect CALM standard signs, provide access gate in north-west corner, maintain all firebreaks (including internal breaks). System 6 Rec. C23.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : low
Access Within Reserve : low
Perimeter Length (km) : 8.0
Perimeter Abutting
Uncleared Land (km) : 5.0
Uncleared Land Within
1 km of Boundary (ha): 1000
Percentage Adjoining
Private Property : 100
Percentage Fenced : 100
Pence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : management plan published (1985)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : old - 1X PWL wooden routed

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances :
Regeneration of B/Pits :
Comments :

Reserve Number : A30191 Name : Moodyns Nature Reserve

STATUS

Area (ha): 1991.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 08/01/90
Shire : Foodray Field Officer: SAM
CALM File No : M31102/02 Field Date : 15/05/90
Public Plan: CALM Avon Valley 1:50,000 L568

ABIOTIC

Topographic Code : steep hills
Special topo Features : breakaway monadnocks (south east corner)
Geological Substrate : laterite, some granite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: <i>B. laurifolia</i>	<i>E. accedens</i>
Codominant Species	: <i>E. calophylla</i>	
Formation Type	: forest	forest
Canopy Cover U/S	: 50	50
Height U/S	: 20.0	20.0
Canopy Cover G/L	: 20	50
Height G/L	: 0.5	0.5
Soil Colour	: orange	orange
Soil Texture	: loam	loam
Percentage Reserve	: 60	25

Comments : other major formation is Jarrah/marri forest (15%) over dryandra/banksia

FLORA

Level of Knowledge : whole reserve surveyed
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : Patersons curse (south east corner)
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : whole reserve surveyed
Gazetted Rare Species :
Nest Hollows Abundant : yes - marri, jarrah, powderbark, wandoo
Pest Species :

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak, internal firebreak.
Actions needed: CALM standard signs, fix erosion problems, particularly on north and north-west boundary firebreaks, control Patersons curse (south-east corner). System 6 M16.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high-middle
Other Diseases : Armillaria?
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes, erosion - some gullies
Age of Vegetation : 6 months, 2/3yrs

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : moderate
Perimeter Length (km) : 21.8
Perimeter Abutting :
Uncleared Land (km) : 15.8
Uncleared Land Within :
1 km of Boundary (ha): 3000
Percentage Adjoining : 43
Private Property : 100
Percentage Fenced : 100
Pence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : management plan published (1981)

Facilities Available : 3X map of Reserve showing public roads
Signposting Adequate : no
Condition of Signs : 2-4X old FWL wooden routed

DISTURBANCE

Historical Disturbances : extra tracks, timber cutting
Current Disturbances :
Regeneration of B/Pits :
Comments :

Reserve Number : A30306 Name : Bewailing Nature Reserve

STATUS

Area (ha): 38.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Toodyay Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 23/01/91
Public Plan: CALM Julimar 1:50,000 NZ81

ABIOTIC

Topographic Code : gently undulating rises
Special Topo Features : monadnocks
Geological Substrate : granite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments : Mt Anvil Gully

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: Acacia acuminata	Acacia acuminata
Codominant Species	: E.loxophleba	E.wandoo
Formation Type	: woodland	woodland
Canopy Cover U/S	: 40	40
Height U/S	: 5.0	5.0
Canopy Cover G/L	: 70	70
Height G/L	: 0.3	0.3
Soil Colour	: grey	grey
Soil Texture	: clay loam	clay loam
Percentage Reserve	: 80	8

Comments : remaining 4% granite outcrops

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : low
Gazetted Rare Species : *Murbea drummondii*
Weed Species : Guildford grass over whole Res., patches of wild oats near boundaries
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : no - although hollows in occasional wandoo
Pest Species : foxes, rabbits, cats

GENERAL COMMENTS

Fire barriers: complete perimeter firebreaks, road on east boundary.
Actions needed: erect CALM standard signs, repair erosion in Mt Anvil gully-firebreak crossing on west boundary(culvert).

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes, in summer
Need Maintenance : yes
Age of Vegetation : 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded : yes
Estimated Site Value : moderate
Details : ruins of 2 stone buildings - 1800s construction

ACCESS

Access To Boundary : moderate
Access Within Reserve : low
Perimeter Length (km) : 2.5
Perimeter Abutting
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining
Private Property : 60
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : management plan published (1985)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : old - 2X FWL wooden routed

DISTURBANCE

Historical Disturbances :
Current Disturbances :
Regeneration of B/Pits :
Comments :

Reserve Number : A33637 Name : Wongamine Nature Reserve

STATUS

Area (ha): 299.0 District : Munding
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Toodyay Field Officer: SAM
CALM File No : Field Date : 23/01/91
Public Plan: DOLA Jenacubbine/Northam 1:50,000 515461/

ABIOTIC

Topographic Code : steep hills
Special Topo Features : breakaways
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments : steep hills

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	E.wandoo	E.salamophloia
Codominant Species		
Formation Type	woodland	woodland
Canopy Cover U/S	15	30
Height U/S	16.0	20.0
Canopy Cover G/L	1	30
Height G/L	1.5	0.5
Soil Colour	orange-grey	red-brown
Soil Texture	clay loam	loam
Percentage Reserve	95	5

Comments : powderbark a component of most abundant formation on breakaways and ridges

FLORA

Level of Knowledge : whole reserve surveyed
Floristic Richness : high
Gazetted Rare Species : Asterolasia grandiflora, Xerobes drummondii, Grevillea scabra (P2)
Weed Species : introduced grasses on southern boundary Cape tulip on east side
Percentage of Reserve : 2.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - wandoo powderbark
Pest Species : foxes

GENERAL COMMENTS

Fire barriers: complete perimeter break, except around north extension, 3 internal breaks.
Actions needed: maintain fence and sign at parking area, provide interpretive info., erect CALM standard signs, prevent erosion, particularly on internal breaks, patrol & signpost to prevent shooting & firewood cutting.

DISEASE / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 7.5
Perimeter Abutting
Uncleared Land (km) : 1.3
Uncleared Land Within
1 km of Boundary (ha): 33
Percentage Adjoining
Private Property : 67
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : yes
Recreation Details : picnicking, walking
Research Projects : yes
Research Details : management plan published (1985)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : old - 4 x PWU wooden routed

DISTURBANCE

Historical Disturbances :
Current Disturbances : shooting, firewood cutting
Regeneration of B/Pits :
Comments :

Reserve Number : A35291 Name : (Hoddy Well) Nature Reserve

STATUS

Area (ha) : 5.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 04/01/90
Shire : Toodyay Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 22/01/91
Public Plan: CALM Avon Valley 1:50,000 LV86

ABIOTIC

Topographic Code : gently undulating rises
Special Topo Features :
Geological Substrate :
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

Most Abundant Formation		Second Abundant Formation	
Dominant Species	: <i>H. prostrata</i> / <i>E. calophylla</i>		bare sand
Codominant Species	: <i>Leptospermum erubescens</i>		
Formation Type	: heath		0
Canopy Cover U/S	: 20		0
Height U/S	: 5.0		0.0
Canopy Cover G/L	: 70		0
Height G/L	: 0.3		0.0
Soil Colour	: grey		
Soil Texture	: sand		
Percentage Reserve	: 90		10

Comments : Ann Kelly's report on NPR files provides details on values of bush strip on w edge of Res.

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species : *Eremaea* aff. *pauciflora*, *Daviesia microphylla* (P5) on adj. p.p.
Weed Species : extensive weed invasion - Cape tulip, Cape weed, wild oats, blackberries
Percentage of Reserve : 20.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : no - regenerating heath and shrubs
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: partial firebreak on east boundary.
Actions needed: get name gazetted & Res. vested, signpost, rehabilitate sandpits and tracks, request addition of p.p. strip between Reserve and road to Nature Reserve, instigate rabbit control, maintain east boundary firebreak.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no
Weed Maintenance : yes
Age of Vegetation : unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded : yes
Estimated Site Value : low
Details : old Toodyay-Clackline railway(track now removed)

ACCESS

Access To Boundary : nil
Access Within Reserve : nil
Perimeter Length (km) : 2.0
Perimeter Abutting
Uncleared Land (km) : 1.0
Uncleared Land Within
1 km of boundary (ha): 15
Percentage Adjoining
Private Property : 75
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : extra tracks, sand pit
Current Disturbances :
Regeneration of B/Pits : no
Comments : edges of pit regenerating but not pit floor

Reserve Number : A38924 Name : (Morsangup) Nature Reserve

STATUS

Area (ha): 932.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : WPNCA File Date : 04/01/90
Shire : Toodyay Field Officer: SAM
CALM File No : W811/02/02 Field Date : 20/06/90
Public Plan: CALM Avon Valley 1:50,000 LW77

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : all
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no
Need Maintenance : yes
Age of Vegetation : 63% cleared 1981

ABIOTIC

Topographic Code : steep hills
Special Topo Features : breakaways
Geological Substrate :
Special Geol Features :
Surface Hydrology : 2 freshwater wells
Comments :

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : E.calophylla E.marginata/E.calophylla
Codominant Species : E.marginata Dryandra sp.
Formation Type : woodland
Canopy Cover U/S : 1 70
Height U/S : 15.0 20.0
Canopy Cover G/L : 50 70
Height G/L : 1.5 1.5
Soil Colour : orange
Soil Texture : loam
Percentage Reserve : 65 30

Comments : remaining 15% Swan river blackbutt, paperbarks and flooded gum around springs

FLORA

Level of Knowledge : partly surveyed
Floristic Richness : high
Gazetted Rare Species : Hemsia spacioides (Pl)
Weed Species : soursob (north east corner)
Percentage of Reserve : 1.0

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : management plan published (1985)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X new wooden routed, 2-3 more required

FAUNA

Level of Knowledge : species list
Gazetted Rare Species :
Nest Hollows Abundant : yes - abundant near springs
Pest Species : rabbits (south east corner)

DISTURBANCE

Historical Disturbances : 65% parkland cleared in 1981, extra tracks
Current Disturbances :
Regeneration of B/Pits :
Comments :

GENERAL COMMENTS

Fire barriers: partial perimeter firebreak, several internal breaks, road along south and part west boundaries.
Actions needed: get name gazetted, upgrade & maintain firebreaks, survey for Phytophthora and Armillaria, eradicate soursob, System 6 Rec. C27.

Reserve Number : A21981 Name : Waabyn Nature Reserve

STATUS

Area (ha): 215.0 District : Murrumbidgee
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 08/01/90
Shire : York Field Officer: SAM
CALM File No : WR71/02/01 Field Date : 24/01/91
Public Plan: CALM Tailbot 1:50,000 AN95

ABIOTIC

Topographic Code : rolling low hills
Special topo Features : granite, rocks
Geological Substrate : granite, laterite
Special Geol Features :
Surface Hydrology : ephemeral streams
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E. accedens	E. wandoo
Codominant Species	: E. accedens	
Formation Type	: woodland	woodland
Canopy Cover U/S	: 30	30
Height U/S	: 15.0	10.0
Canopy Cover G/L	: 50	30
Height G/L	: 1.0	0.5
Soil Colour	: orange-brown	grey
Soil Texture	: loam	loam clay
Percentage Reserve	: 65	30

Comments : remaining 6% is dense heath of Calothamnus quadrifidus, Allocasuarina huegeliana forest

FLORA

Level of Knowledge : species lists
Floristic Richness : high
Gazetted Rare Species : Murbeta drummondii
Weed Species : Cape tulip from farms, grasses
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : species list
Gazetted Rare Species : Ramphotyphlops pinguis (blind snake) (considered rare, but not declared rare)
Weed Hollows Abundant : yes - wandoo, powderbark
Pest Species : cats, foxes, rabbits

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, 1 internal, road on north boundary.

Actions needed: liaise with adjacent landowners to reduce catchment salinity, eventually replace non-standard signs, replant old farm house site, WRD spoil dump & salt-affected areas, signpost Res. to discourage 'cycles.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : middle-low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : 15 yrs+

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded : yes
Estimated Site Value : low
Details : old farm house site

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 6.5
Perimeter Abutting :
Uncleared Land (km) : 0.0
Uncleared Land Within :
1 km of Boundary (ha): 0
Percentage Adjoining :
Private Property : 62
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : mgt plan(1987), including biological survey-10 pit-lines established
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 3X new wooden routed - wrong colour

DISTURBANCE

Historical Disturbances : old farm house site, WRD spoil dump
Current Disturbances : shooters, motor cycles, increasing salinity
Regeneration of B/Pits :
Comments :

Reserve Number : A30591 Name : St. Ronans Nature Reserve

STATUS

Area (ha) : 118.0 District : Munderring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 09/01/90
Shire : York Field Officer: SAM
CALM File No : NR01/02/01 Field Date : 27/04/90
Public Plan: CALM Talbot 1:50,000 AU93

ABIOtic

Topographic Code : rolling low hills
Special Topo Features : monadnocks
Geological Substrate : granite, laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E. accendens	
Codominant Species :		
Formation Type	: woodland	
Canopy Cover U/S	: 20	0
Height U/S	: 10.0	0.0
Canopy Cover G/L	: 20	0
Height G/L	: 0.5	0.0
Soil Colour	: orange	
Soil Texture	: clay loam	
Percentage Reserve	: 45	0

Comments : other fractions include jam, sheoak, barri and wandoo woodland, barri, wandoo and jam woodland

FLORA

Level of Knowledge : whole reserve surveyed
Floristic Richness : high
Gazetted Rare Species : undescribed Darwinia sp. (not gazetted)
Weed Species : introduced grasses and Cape tulip on southern boundary (south west corner)
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : whole reserve surveyed
Gazetted Rare Species : honey possums, pigmy-possums (neither declared rare)
Nest hollows Abundant : yes - powderbark, barri, wandoo
Pest Species : foxes, cats, rabbits, dogs.

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, road on west boundary, granite sheets.
Actions needed: control weeds south boundary, signpost against h'riding & shooting, eventually replace non-standard signs, close and rehabilitate sand pit.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : 15 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 5.5
Perimeter Abutting :
Uncleared Land (km) : 0.3
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining : 71
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : mgt plan(1987)including biology survey, 12 pit-lines established
Facilities Available : no
Signposting Adequate : no
Condition of Signs : 2X new wooden routed - wrong colour

DISTURBANCE

Historical Disturbances : extra tracks, sand pit, timber cutting
Current Disturbances : horse-riding, shooters
Regeneration of B/Pits : some regeneration
Comments :

Reserve Number : A31192 Name : (Berry Brow) Mature Reserve

STATUS

Area (ha) : 1.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 14/02/91
Shire : York Field Officer: SAM
CALM File No : NRT1/02/02 Field Date : 24/01/91
Public Plan: CALM Talbot 1:50,000 AM91

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features :
Geological Substrate :
Special Geol Features :
Surface Hydrology : sump
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.wandoo	
Codominant Species	: E.marginalia	
Formation Type	: woodland	
Canopy Cover U/S	: 10	0
Height U/S	: 12.0	0.0
Canopy Cover G/L	: 10	0
Height G/L	: 1.0	0.0
Soil Colour	: grey	
Soil Texture	: sand	
Percentage Reserve	: 100	0

Comments :

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : low
Gazetted Rare Species : Lechenaultia laricina formerly occurred on Res., still on rd verge
Weed Species : wild oats, grasses
Percentage of Reserve : 30.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : no - few wandoo
Pest Species :

GENERAL COMMENTS

Fire barriers: firebreaks in adjacent properties, road on east boundary, Reserve too small to warrant firebreak construction.
Actions needed: monitor L.laricina on Reserve and road verge, transplant cuttings from the verge to the Reserve, get name gazetted, erect CALM standard signs, control rabbits when necessary.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in landscape : middle-low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: none
Need Maintenance :
Age of Vegetation : burnt April 1991

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 0.5
Perimeter Abutting :
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining : 55
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : experimental burn for regeneration of L.laricina (April 1990)

Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances :
Current Disturbances :
Regeneration of B/Pits :
Comments :

Reserve Number : A39149 Name : Wallaby Hills Nature Reserve

STATUS

Area (ha) : 59.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : WPMCA File Date : 04/01/90
Shire : York Field Officer: SAM
CALM File No : MW1/02/01 Field Date : 24/01/91
Public Plan: 80LA York 1:50,000 476499

ABIOTIC

Topographic Code : rolling rises
Special Topo Features : breakways
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	Welaleuca sp.	E.wandoo
Codominant Species :		
Formation Type	heath	woodland
Canopy Cover U/S	40	20
Height U/S	2.0	10.0
Canopy Cover G/L	30	50
Height G/L	0.3	1.0
Soil Colour	grey	grey
Soil Texture	loam sand	loam sand
Percentage Reserve	40	40

Comments : B.prionotes sandplain (5%), A.huegeliana (10%), also salmon gum, E.albida & 2 other euc. sp

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species : Daviesia microphylla (P5)
Weed Species : Cape tulip (e end)
Percentage of Reserve : 5.0

FAUNA

Level of Knowledge : anecdotal records
Gazetted Rare Species :
Nest Hollows Abundant : no - small no. of wandooes with hollows
Pest Species : rabbits, foxes, cats

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak, road on north-east boundary.
Actions needed: eventually replace non-standard signs, replant degraded areas (rubbish dump and gravel/sand pits).

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : 15 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 4.5
Perimeter Abutting :
Uncleared Land (km) : 0.5
Uncleared Land Within :
1 km of Boundary (ha): 0
Percentage Adjoining :
Private Property : 67
Percentage Fenced : 100
Pence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X new wooden routed - wrong colour

DISTURBANCE

Historical Disturbances : gravel/sand
Current Disturbances : gravel/sand pits, shooters
Regeneration of B/Pits : limited
Comments :

Reserve Number : C40642 Name : (Mt.Hardy) Nature Reserve

STATUS

Area (ha): 15.0 District : Mundaring
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 24/01/91
Shire : York Field Officer: SAM
CALM File No : NR71/02/02 Field Date : 24/01/91
Public Plan: DOLA York 1:50,000 471 487

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features :
Geological Substrate :
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.wandoo	E.salaemonphloia
Codominant Species	: Acacia acuminata	
Formation type	: woodland	
Canopy Cover U/S	: 50	20
Height U/S	: 12.0	18.0
Canopy Cover G/L	: 70	70
Height G/L	: 0.3	0.2
Soil Colour	: grey	pink-grey
Soil Texture	: loam sand	loam
Percentage Reserve	: 60	Percentage 40

Comments :

FLORA

Level of Knowledge : no data
Floristic Richness : moderate
Gavetted Rare Species : Wurmbia drummondii on road verge
Weed Species : grasses throughout understorey
Percentage of Reserve : 60.0

FAUNA

Level of Knowledge : no data
Gavetted Rare Species :
Weat Hollows Abundant : yes - salaon gums, wandoo
Pest Species :

GENERAL COMMENTS

Fire barriers: road on north boundary and through western part of Reserve, internal track in west part, track on eastern boundary.
Actions needed:get name gavetted,replace non-standard signs(l currently not on the Reserve), construct firebreak along east 2/3 of s boundary of e block,rehabilitate gravel pits,liaise with Shire to remove spoil.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded : yes
Estimated Site Value : medium
Details : old school site (signposted) - Mt-Hardy (no buildings remain)

ACCESS

Access To Boundary : moderate
Access Within Reserve : moderate
Perimeter Length (km) : 2.0
Perimeter Abutting :
Uncleared Land (km) : 0.5
Uncleared Land Within :
1 km of Boundary (ha): 0
Percentage Adjoining :
Private Property : 50
Percentage Fenced : 100
Pence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2Xnew when routed-wmg clrf(l not on Res)

DISTURBANCE

Historical Disturbances : timber cutting, gravel pits, rubbish
Current Disturbances : spoil dumped (from road works)
Regeneration of B/Pits :
Comments :

WANNEROO DISTRICT

NATURE RESERVES

Reserve Number : A1224 Name : (Bartlett Well) Nature Reserve

STATUS

Area (ha): 117.0 District : Wimmeroo
Purpose : Conservation of Flora, Fauna & Water File Officer : SAM
Vesting : WPMCA File Date : 20/02/91
Shire : Gingin Field Officer: SAM
CALM File No : WPM71/01 Field Date : 06/05/91
Public Plan: 806A Mindarra 1:50,000 552 387

ABIOTIC

Topographic Code : steep hills
Special Topo Features : breakaways
Geological Substrate :
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.calophylla	: E.attenuata
Codominant Species	: E.marginata, E.wandoo	: B.prionotes/menziesii
Formation Type	: woodland	: woodland
Canopy Cover W/S	: 5	: 30
Height W/S	: 18.0	: 5.0
Canopy Cover G/L	: 50	: 80
Height G/L	: 1.5	: 1.0
Soil Colour	: orange-red	: orange
Soil Texture	: loam sand	: sand
Percentage Reserve	: 30	: 30

Comments : remainder 30% E.todtiana open woodland over heath and 10% jarrah (+j/m) open woodland.

FLORA

Level of Knowledge : no data
Floristic Richness : high
Gazetted Rare Species : most northern occurrence of jarrah?
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species : white-tailed black-cockatoos
Nest Hollows Abundant : yes - mairri, wandoo, jarrah
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: complete perimeter firebreak.

Actions needed: maintain f'breaks (part. east + west), sample w bdy for d'back, gazette name, erect standard signs, repair erosion in se, ne & nw corners, cadastral survey boundaries for correct position for f'lines. System 6 Rev.08.

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : high
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes-east & west boundaries
Age of Vegetation : parts of south boundary burnt 1987, 1989

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : nil
Perimeter Length (km) : 4.4
Perimeter Abutting :
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha) : 0
Percentage Adjoining :
Private Property : 100
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :

Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances :
Current Disturbances :
Regeneration of B/Pits :
Comments :

Reserve Number : C7504 Name : Karrakin Nature Reserve

STATUS

Area (ha): 485.0 District : Wimmeroo
Purpose : Water/Conservation of Flora & Fauna File Officer : SAM
Vesting : Water Authority File Date : 21/02/91
Shire : Gingin Field Officer: SAM
CALM File No : MPR71/01 Field Date : 08/05/91
Public Plan: DOLA Lancelin 1:50,000 552 355

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate : sand, limestone
Special Geol Features :
Surface Hydrology : seasonal freshwater lakes
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	grasses	B.rudis/B.canadulensis
Codominant Species		B.prionotes
Formation Type	grassland	woodland
Canopy Cover U/S	90	30
Height U/S	0.2	12.0
Canopy Cover G/L	0	90
Height G/L	0.0	0.2
Soil Colour	grey	gray
Soil Texture	clay	sand clay
Percentage Reserve	95	5

Comments :

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : low
Gazetted Rare Species :
Weed Species : pasture grasses
Percentage of Reserve : 90.0

FAUNA

Level of Knowledge : species lists
Gazetted Rare Species :
Nest Hollows Abundant : yes - flooded gum, river gum
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: firebreaks and tracks associated with fencelines - access via private properties.
Actions needed: erect name signs in consultation with Water Authority, discuss replanting of fringing areas (private property) or amendments to boundaries with farmers. Leased for grazing (D. Otway).

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks:
Weed Maintenance :
Age of Vegetation : unknown

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : limited
Perimeter Length (km) : 11.9
Perimeter Abutting
Uncleared Land (km) : 3.5
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining : 100
Private Property : 30
Percentage Fenced : 30
Pence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85, RAOU Swan Coast Plain W'land Study(CALM,current)
depth gauge
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances : grazing
Regeneration of B/Pits :
Comments :

Reserve Number : A9576 Name : Yurine Swamp Nature Reserve

STATUS

Area (ha): 30.0 District : Wanneroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : WPMCA File Date : 21/02/91
Shire : Gingin Field Officer: SAM
CALM File No : WPM71/01 Field Date : 06/05/91
Public Plan: 800A Mindarra 1:50,000 543 384

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate :
Special Geol Features :
Surface Hydrology : seasonal freshwater lake
Comments :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : B.attenuata Melaleuca sp.
Codominant Species : B.menziesii/prionotes E.rudis
Formation Type : woodland shrubland
Canopy Cover U/S : 40 70
Height U/S : 6.0 9.0
Canopy Cover G/L : 60 70
Height G/L : 1.0 0.7
Soil Colour : red grey
Soil Texture : sand loam clay
Percentage Reserve : 70 15

Comments : 10% B.attenuata, B.menziesii/prionotes on white sand, 5% open water/clay pan

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Weed Hollows Abundant : no
Pest Species : cats, rabbits

GENERAL COMMENTS

Fire barriers: almost complete perimeter firebreaks, north-west/south-east road through east 1/3 of reserve.

Actions needed: exclude stock, seek add. e 1/3 of Yurine Swamp to Res., close rubbish dump (Gingin Shire: illegal?) nw cnr & rehab., maintain f'breaks, test s bdy for d'back, remove rubbish w side Nine Mile Swamp W.Rd. System 6 Rec. C6.

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : middle-low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Weed Maintenance : yes
Age of Vegetation : east 1/3 burnt 1984/1985

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : moderate
Perimeter Length (km) : 3.4
Perimeter Abutting :
Uncleared Land (km) : 0.3
Uncleared Land Within :
1 km of Boundary (ha): 5
Percentage Adjoining : 100
Private Property : 94
Percentage Fenced : 94
Pence Stockproof : yes, but stock using e end of Reserve

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1982-85, depth gauge
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 1X new painted routed

DISTURBANCE

Historical Disturbances : sandpit (nw cnr), rubbish w side 9 mile Swamp Rd
Current Disturbances : grazing - n side of swamp, rubbish pit-nw cnr
Regeneration of B/Pits :
Comments :

Reserve Number : A9338 Name : Lake Mannamaal Nature Reserve

STATUS

Area (ha): 160.0 District : Wimmeroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 21/02/91
Shire : Gringim Field Officer: SAM
CALM File No : WPR21/01 Field Date : 06/05/91
Public Plan: DOLA Mannamaal 1:50,000 557 409

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate :
Special Geol Features :
Surface Hydrology : salt lakes
Comments :

VEGETATION

Dominant Species : Most Abundant Formation
Codominant Species : Second Abundant Formation
Formation Type : mudflats Melaleuca sp.
Canopy Cover U/S : 0 shrubland
Height U/S : 0.0 80
Canopy Cover G/L : 0 2.0
Height G/L : 0.0 0
Soil Colour : grey
Soil Texture : clay
Percentage Reserve : 85 10
Comments : remaining 5% flooded/river red gum and mallee woodland

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : low
Gazetted Rare Species :
Weed Species : veldt grass around edges, watsonia?
Percentage of Reserve : 3.0

FAUNA

Level of Knowledge : species lists
Gazetted Rare Species : freckled duck (breeding)
Weed Hollows Abundant : yes - flooded gum, mallee
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: firebreak, railway and road on east boundary, private property firebreaks on west boundary.
Actions needed: remove old metal signs, place culverts in a boundary firebreak to make accessible, liaise with landowner re fencing/purchase of west most block eventually replace non-standard (unpainted) signs. System 6 Rec C10.

DISEASE / PIRZ

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no
Weed Maintenance : yes
Age of Vegetation : unknown - 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : nil
Perimeter Length (km) : 9.8
Perimeter Abutting
Uncleared Land (km) : 0.0
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining
Private Property : 56
Percentage Fenced : 85
Fence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85, RAOU Swan Coast Plain W'land Study (CALM, current)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2x old metal FWL, 2x new unpd wood-routed

DISTURBANCE

Historical Disturbances :
Current Disturbances : grazing (w most extension)
Regeneration of B/Pits :
Comments :

Reserve Number : C15816 Name : (Woochaulia) Nature Reserve

STATUS

Area (ha): 36.0 District : Wimmeroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 20/02/91
Shire : Gingin Field Officer: SAM
CALM File No : NRT11/01 Field Date : 08/05/91
Public Plan: DOLA Capiteia 1:50,000

ABIOTIC

Topographic Code : rolling low hills
Special Topo Features : breakaways, river
Geological Substrate : laterite
Special Geol Features :
Surface Hydrology : river
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: E.calophylla	: B.rudis
Codominant Species	: B.todiana	: E.calophylla
Formation Type	: woodland	: woodland
Canopy Cover U/S	: 10	: 50
Height U/S	: 15.0	: 18.0
Canopy Cover G/L	: 70	: 0
Height G/L	: 1.0	: 0.0
Soil Colour	: gray-brown	: brown
Soil Texture	: sand	: sand loam
Percentage Reserve	: 90	: 10

Comments : B.prionotes nne cnr, waddoo nsw cnr, Dryandra & B.attenuata e body, B.grandis se corner

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : high
Gazetted Rare Species : Leucopogon oliganthus (P2)
Weed Species : grasses on firebreaks
Percentage of Reserve : 2.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : yes - flooded gum, marrri
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: firebreaks on w and s boundaries, 1 internal break, roads on south and east boundaries.
Actions needed: maintain firebreaks (close internal break), remove old fencelines, repair erosion on west boundary firebreak, eventually replace non-standard signs, get name gazetted, check whether north boundary requires fencing.

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : middle-low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 6.3
Perimeter Abutting
Uncleared Land (km) : 0.8
Uncleared Land Within
1 km of Boundary (ha): 0
Percentage Adjoining : 37
Private Property : 28
Percentage Fenced : 28
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X new unpainted wooden routed

DISTURBANCE

Historical Disturbances : old fenceline parallel to rd-e bdy,grvl pit se cnr
Current Disturbances :
Regeneration of B/Pits : reasonable regeneration
Comments :

Reserve Number : C21164 Name : (Covalla Bridge) Nature Reserve

STATUS

Area (ha) : 40.0
Purpose : Conservation and Recreation
Vesting : WPCA
Shire : Gingin
CULM File No : NR11/01
Public Plan: DOLA Bidaninna 1:50,000 562 361

Dieback Presence : no evidence
Position in Landscape : middle-low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes - w 200m of n firebreak
Age of Vegetation : unknown - 10 years +

DIEBACK / FIRE

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : river
Geological Substrate :
Special Geol Features :
Surface Hydrology : river
Comments :

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : Kunzea ericifolia Banksia spp.
Codominant Species : Banksia spp.
Formation Type : shrubland
Canopy Cover W/S : 80 40
Height W/S : 5.0 5.0
Canopy Cover G/L : 0 8
Height G/L : 0.0 0.3
Soil Colour : grey white
Soil Texture : clay sand sand
Percentage Reserve : 80 20

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 2.7
Perimeter Abutting
Uncleared Land (km) : 1.1
Uncleared Land Within
1 km of Boundary (ha): 50
Percentage Adjoining
Private Property : 22
Percentage Fenced : 100
Fence Stockproof : yes

Comments : numerous Banksia sp. - attenuata, prionotes, ilicifolia, menziesii, E.rudis along river

FLORA

Level of Knowledge : no data
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : veldt grass
Percentage of Reserve : 20.0

USAGE

Significant Recreation Site : no
Recreation Details : picnic & roadside stop immediately n of e end of Reserve
Research Projects : no
Research Details :

Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : numerous old fencelines, n part of Res. cleared
Current Disturbances : numerous internal firebreaks
Regeneration of B/Pits :
Comments :

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : no
Pest Species :

GENERAL COMMENTS

Fire barriers: almost complete perimeter firebreak, several internal breaks, road along south-east boundary and north-south through east part of Reserve.
Actions needed: get name gazetted, signpost, remove old fencelines, close extra internal f' breaks, cad. survey boundaries, replant n part with local species (cleared and grazed), provide access to river (n side) for rec. System 6 Rec. Cl.

Reserve Number : A26756 Name : Banpanup Nature Reserve

STATUS

Area (ha) : 101.0 District : Wanneroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : WPMC File Date : 21/02/91
Shire : Gingin Field Officer: SAM
CALM File No : WPA71/01 Field Date : 07/05/91
Public Plan: CALM Yanchep 1:50,000 LG 50

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate :
Special Geol Features :
Surface Hydrology : freshwater lakes
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	open water and clay flats	pasture
Codominant Species :		
Formation Type	rud/flats	
Canopy Cover W/S	0	0
Height W/S	0.0	0.0
Canopy Cover G/L	0	0
Height G/L	0.0	0.0
Soil Colour :		
Soil Texture :		
Percentage Reserve	95	5

Comments : small unnamed lake immediately to west of Wallering Swamp full of acialeuca shrubland

FLORA

Level of Knowledge : no data
Floristic Richness : low
Gazetted Rare Species :
Weed Species : pasture grasses, arum lilies (north west corner - Bambun)
Percentage of Reserve : 15.0

FAUNA

Level of Knowledge : species lists
Gazetted Rare Species :
Nest Hollows Abundant : no - no trees
Pest Species : cats, sheep

GENERAL COMMENTS

Fire barriers: none, except road on west boundary of Wallering block.

Actions needed: fence inc. 50m veg. around L. Bambun, Waabung & Wungala, exclude stock, buy areas to add to Res. & replant, arum lilly control (nw Bambun), remove old signs, replace non-standard signs, cad. survey buries, System 6 Rec. 015.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks :
Weed Maintenance :
Age of Vegetation : unknown, 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : nil
Perimeter Length (km) : 6.1
Perimeter Abutting :
Uncleared Land (km) : 0.3
Uncleared Land Within :
km of Boundary (ha) : 30
Percentage Adjoining :
Private Property : 95
Percentage Fenced : 27
Fence Stockproof : yes, but stock on dry lake beds

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85, RAOU Swan Coast Plain W'land Study (CALM; current)
depth gauge (Wallering)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X old metal PYL, 2X new wood, unpainted

DISTURBANCE

Historical Disturbances :
Current Disturbances : grazing - sheep on all 4 parts
Regeneration of B/Pits :
Comments :

Reserve Number : C29905 Name : (Nabaroo) Nature Reserve

STATUS

Area (ha): 8.0 District : Wanneroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 20/02/91
Shire : Gingin Field Officer: SAM
CALM File No : NPR/71/01 Field Date : 08/05/91
Public Plan: DOLA Bidamina 1:50,000 560 360

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features :
Geological Substrate : sand
Special Geol Features :
Surface Hydrology :
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: <i>B. attenuata</i>	
Codominant Species	: <i>B. menziesii</i>	
Formation Type	: woodland	
Canopy Cover U/S	: 50	0
Height U/S	: 8.0	0.0
Canopy Cover G/L	: 20	0
Height G/L	: 1.0	0.0
Soil Colour	: white	
Soil Texture	: sand	
Percentage Reserve	: 100	0

Comments : occasional *B. prionotes*, *Kunzea ericifolia*

FLORA

Level of Knowledge : species list
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : heavy weed infestation along cleared road reserve, otherwise very few weeds
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : no
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: east-west road reserve (20m) through middle, no other firebreaks.
Actions needed: liaise with farmer to fence north boundary, seek gazetted of name, erect standard sign.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : middle
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks:
Weed Maintenance :
Age of Vegetation : unknown - 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : nil
Access Within Reserve : nil
Perimeter Length (km) : 1.2
Perimeter Abutting :
Uncleared Land (km) : 0.2
Uncleared Land Within
1 km of Boundary (ha): 180
Percentage Adjoining : 100
Private Property : 67
Percentage Fenced : 67
Fence Stockproof : no

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : absent

DISTURBANCE

Historical Disturbances : timber cutting
Current Disturbances :
Regeneration of B/Pits :
Comments :

Reserve Number : A31241 Name : Yeal Mature Reserve

STATUS

Area (ha) : 337.0 District : Wameroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 21/02/91
Shire : Gingin Field Officer: SAM
CALM File No : NPRT1/01 Field Date : 06/05/91
Public Plan: CALM Yanchep 1:50,000. LB 46

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate :
Special Geol Features :
Surface Hydrology : seasonal freshwater lake
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: B.battenuata	Melaleuca sp.
Codominant Species	: B.aenziesii	E.rudis
Formation Type	: woodland	forest
Canopy Cover U/S	: 40	80
Height U/S	: 5.0	10.0
Canopy Cover G/L	: 70	0
Height G/L	: 0.7	0.0
Soil Colour	: grey	grey
Soil Texture	: sand	clay
Percentage Reserve	: 80	15

Comments : 5% open water

FLORA

Level of Knowledge : no data
Floristic Richness : moderate
Gazetted Rare Species :
Weed Species : arum lilies
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : no - few large trees
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: firebreaks on n,e and west of s boundaries, 1 internal north-south along powerline.

Actions needed:sample for d'back,monitor water quality in drains and lake,control arum lilies,close internal tracks,maintain f'breaks,part.o'grown sw bdy f'break.NRR RHP proposes adding 10,700 ha to Res.System 6

DIEBACK / FIRE

Dieback Presence : suspected
Position in Landscape : middle-low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : yes
Age of Vegetation : 15 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : limited
Access Within Reserve : limited
Perimeter Length (km) : 7.7
Perimeter Abutting :
Uncleared Land (km) : 7.5
Uncleared Land Within
1 km of Boundary (ha): 1000
Percentage Adjoining
Private Property : 33
Percentage Fenced : 100
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : depth gauge
Facilities Available : none
Signposting Adequate : yes
Condition of Signs : 3% new wooden routed

DISTURBANCE

Historical Disturbances :
Current Disturbances : SECWA powerline n-s through Reserve
Regeneration of B/Pits :
Comments :

Reserve Number : 438649 Name : Hogumber Nature Reserve

STATUS

Area (ha) : 176.0 District : Wanneroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPNCA File Date : 20/02/91
Shire : Gingin Field Officer: SAM
CALM File No : WRP71/01 Field Date : 06/05/91
Public Plan: DOLA Wannamal 1:50,000 563 408

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate :
Special Geol Features :
Surface Hydrology : salt lakes
Comments :

VEGETATION

	Host Abundant Formation	Second Abundant Formation
Dominant Species		mixed heath
Codominant Species		
Formation Type	shrubland	heath
Canopy Cover U/S	70	70
Height U/S	2.0	1.0
Canopy Cover G/L	0	0
Height G/L	0.0	0.0
Soil Colour	grey	grey
Soil Texture	clay	sand
Percentage Reserve	40	50

Comments : 10% Banksia sp. open woodland, stands of York gum at south end (outside Res. boundary)

FLORA

Level of Knowledge : no data
Floristic Richness : low
Gazetted Rare Species :
Weed Species :
Percentage of Reserve : 0.0

FAUNA

Level of Knowledge : species lists
Gazetted Rare Species : un-named fish in Murphy Gully Creek?
Nest Hollows Abundant : no - few trees
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: firebreaks on n/w and w 1/2 s boundary, 1 internal firebreak, roads on north and east boundary, railway also on east boundary.

Actions needed: remove old metal sign, remove apiary site (if illegal), rehab. sandpit, maintain internal firebreak, liaise with landowner to fence e 1/2 s bdy. Locs. 2117 and 3155 (anged as part of Res.) are freehold in name of ED.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : internal e-w break needs maintenance
Age of Vegetation :

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : limited
Perimeter Length (km) : 5.4
Perimeter Abutting :
Uncleared Land (ha) : 2.4
Uncleared Land Within :
1 km of Boundary (ha): 50
Percentage Adjoining :
Private Property : 52
Percentage Fenced : 79
Fence Stockproof : yes

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 1X old PVL metal, 2X new wooden routed

DISTURBANCE

Historical Disturbances :
Current Disturbances : sandpit, apiary site on north boundary
Regeneration of B/Pits :
Comments :

Reserve Number : A39050 Name : (Wannamal) Nature Reserve

STATUS

Area (ha) : 25.0 District : Wanneroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : NPWCA File Date : 21/02/91
Shire : Gingin Field Officer: SAM
CALM File No : NPRT/01 Field Date : 06/05/91
Public Plan: DOLA Wannamal 1:50,000 552 409

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate :
Special Geol Features :
Surface Hydrology : salt lakes
Comments :

VEGETATION

Most Abundant Formation Second Abundant Formation
Dominant Species : Melaleuca sp. clay flats - open
Codominant Species :
Formation Type : shrubland
Canopy Cover U/S : 10 0
Height U/S : 2.0 0.0
Canopy Cover G/L : 0 0
Height G/L : 0.0 0.0
Soil Colour : grey
Soil Texture : clay loam
Percentage Reserve : 70 25

Comments : remaining 5% river red gum and marri woodland, B.prionotes/mensiesii on ridges with marri

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : low
Gazetted Rare Species : Hakea myrtoides (P3)
Weed Species : Cape tulip (few plants on east boundary)
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : no data
Gazetted Rare Species :
Nest Hollows Abundant : no - few large trees
Pest Species : rabbits

GENERAL COMMENTS

Fire barriers: no perimeter firebreaks, roads on east boundary, & east-west through north part of Reserve.
Actions needed: get name gazetted, remove rubbish, rehab sandpit, rehab internal tracks, cadastral survey boundaries, construct f'breaks on s,n & w boundaries, patrol & signpost to prevent shooting, eventually replace non-standard signs.

DIEBACK / FIRE

Dieback Presence : no evidence
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: yes
Need Maintenance : no
Age of Vegetation : unknown, 10 years +

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : moderate
Access Within Reserve : moderate
Perimeter Length (km) : 2.5
Perimeter Abutting :
Uncleared Land (km) : 1.1
Uncleared Land Within :
1 km of Boundary (ha): 50
Percentage Adjoining :
Private Property : 60
Percentage Fenced : 67
Fence Stockproof : no, w boundary not stockproof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : no
Research Details :
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2X new unpainted wooden routed

DISTURBANCE

Historical Disturbances : excavation of yellow sand
Current Disturbances : salinity, shooting
Regeneration of B/Pits : no natural regeneration
Comments :

Reserve Number : C7349 Name : Jandabup Nature Reserve

STATUS

Area (ha) : 246.0 District : Wanneroo
Purpose : Conservation of Flora and Fauna File Officer : SAM
Vesting : WPCA File Date : 21/02/91
Shire : Wanneroo Field Officer: SAM
CALM File No : NFR11/01 Field Date : 01/08/91
Public Plan: CALM Wanneroo 1:50,000 AC18

ABIOTIC

Topographic Code : gently undulating plain
Special Topo Features : lake
Geological Substrate : sand
Special Geol Features :
Surface Hydrology : freshwater wetland
Comments :

VEGETATION

	Most Abundant Formation	Second Abundant Formation
Dominant Species	: open water-and flats	Bauhinia articulata
Codominant Species		
Formation Type		heath
Canopy Cover U/S	: 0	35
Height U/S	: 0.0	1.5
Canopy Cover G/L	: 0	0
Height G/L	: 0.0	0.0
Soil Colour	: grey	grey
Soil Texture	: sand clay	sand clay
Percentage Reserve	: 0	25

Comments

FLORA

Level of Knowledge : anecdotal records
Floristic Richness : low
Gazetted Rare Species :
Weed Species : pampas grass on e boundary
Percentage of Reserve : 1.0

FAUNA

Level of Knowledge : species list available
Gazetted Rare Species :
Nest Hollows Abundant : no trees on the Reserve
Pest Species : foxes, dogs, cats, rabbits, cattle, pigs

GENERAL COMMENTS

Fire barriers: overgrown firebreaks on n and e boundaries.
Actions needed:rad.survey buries,liaise adj.l'owners to exclude stock,repair & erect signs inc."no h'riding"symbol,rehab.extra tracks,m'tain f'breaks & fences,remove pampas,liaise WAWA to prevent outflow erosion.Sys.6 Rec.H8.

DIEBACK / FIREZ

Dieback Presence : suspected
Position in Landscape : low
Other Diseases :
Fire Barriers : see comments
Trafficable Firebreaks: no
Need Maintenance : yes, all breaks overgrown
Age of Vegetation : 5 years - unknown (very few fires)

HISTORIC

Number Aboriginal Sites : 0
Estimated Site Value :
European Sites Recorded :
Estimated Site Value :
Details :

ACCESS

Access To Boundary : low
Access Within Reserve : nil
Perimeter Length (km) : 7.4
Perimeter Abutting :
Uncleared land (km) : 3.2
Uncleared land Within
1 km of Boundary (ha): 0
Percentage Adjoining
Private Property : 80
Percentage Fenced : 60
Fence Stockproof : no, east boundary not stockproof

USAGE

Significant Recreation Site : no
Recreation Details :
Research Projects : yes
Research Details : RAOU Survey 1981-85,Swan Coast Plain W'land Study(CALM;current),
monitoring g'water bores(WAWA,CSIRO),biol. monitoring(Murdoch Uni.)
Facilities Available : none
Signposting Adequate : no
Condition of Signs : 2 x new(1 damaged),signs needed on w bdy

DISTURBANCE

Historical Disturbances : part cleared
Current Disturbances : tracks,cattle grazing,WAWA outflow drain,h'riding
Regeneration of B/Pits :
Comments :

RESERVES INFORMATION SYSTEM DATA SHEET

CALM DISTRICT _____

Shire _____

A B
or C

Reserve Number

--	--	--	--	--	--	--	--	--	--

Name _____

STATUS

Area (ha)

--	--	--	--	--	--	--	--	--	--

Purpose _____

Vesting

--	--	--	--	--	--	--	--	--	--

CALM File No

--	--	--	--	--	--	--	--	--	--

Plan

Name _____

Scale: _____

No _____

Date of file data entry

		/			/		
--	--	---	--	--	---	--	--

Officer responsible _____

Date of field data entry

		/			/		
--	--	---	--	--	---	--	--

Officer responsible _____

TOPOGRAPHIC CODE (SEE PAGE 2)

Relief	LE Level <1% (About 1:300)	VG Very gently inclined 1%-3% (About 2%)	GE Gently inclined 3%-10% (About 6%)	MO Moderately inclined 10%-32% (About 20%)	ST Steep 32%-56% (About 40%)	VS Very steep 56%-100% (About 70%)	PR Precipitous >100% (About 150%)
Very high >300 m (About 500 m)	—	—	—	RM Rolling mountains	SM Steep mountains	VM Very steep mountains	PM Precipitous mountains
High 90-300 m (About 150 m)	—	—	UH Undulating hills	RH Rolling hills	SH Steep hills	VH Very steep hills	PH Precipitous hills
Low 30-90 m (About 50 m)	—	—	UL Undulating low hills	RL Rolling low hills	SL Steep low hills	VL Very steep low hills	B Badlands
Very low 9-30 m (About 15 m)	—	GR Gently undulating rises	UR Undulating rises	RR Rolling rises	SR Steep rises	B Badlands	B Badlands
Extremely low <9 m (About 5 m)	LP Level plain	GP Gently undulating plain	UP Undulating plain	RP Rolling plain	B Badlands	B Badlands	B Badlands

ABIOTIC

Special geological features

Surface hydrology

Most abundant formation

Formation Type

Dominant species

Codominant species

W = woodland, M = mallee
S = shrubland, H = heath
L = Lithic, O = other

(specify)

Canopy cover upper stratum			8
----------------------------	--	--	---

Height upper stratum				metres
----------------------	--	--	--	--------

Canopy cover ground layer			8
---------------------------	--	--	---

% of reserve area

Height ground layer				metres
---------------------	--	--	--	--------

Soil colour

Soil texture

Second most abundant formation

Formation Type

Dominant species

Codominant species

Canopy cover upper stratum		%
----------------------------	--	---

(specify)

Height upper stratum					metres
----------------------	--	--	--	--	--------

Canopy cover ground layer			%
---------------------------	--	--	---

% of reserve area

Height ground layer

--	--

 metres

Soil colour

Soil texture

Comments:

FLORA

Level of knowledge ☐ 1 = whole reserve surveyed 4 = anecdotal records
 2 = partly surveyed 5 = no data Floristic richness ☐ H = high
 3 = species lists available M = moderate
 L = low

Gazetted Rare Species _____

Weed Species _____ % of reserve ☐ ☐

FAUNA

Level of knowledge ☐ 1 = whole reserve surveyed 4 = anecdotal records
 2 = partly surveyed 5 = no data
 3 = species lists available Pests _____

Gazetted Rare Species _____

Are nest hollows in trees abundant? ☐ yes
 no Details? _____

Pc present ☐ c = confirmed h = high
 s = suspected m = middle
 n = no evidence l = low
 u = uninterpretable a = all

Other disease? _____

PC FIRE

Fire barriers complete partial
☐ ☐
☐ ☐
☐ ☐
☐ ☐

Comments? _____
 p = peripheral firebreaks
 b = buffer firebreaks
 I = internal firebreaks
 r = roads
 n = natural features

Is the existing firebreak system trafficable ☐ Yes
 No Existing firebreaks need maintenance ☐ Yes
 No

Age of vegetation since fire _____

HISTORIC

Number of recorded Aboriginal sites ☐ ☐ Estimated site value ☐ h = high
 m = medium
 l = low

Details _____

European sites recorded ☐ b = buildings Estimated site value ☐ h = high
 r = ruins m = medium
 o = other l = low
 n = none

Reasons for estimated value _____

Fauna noted during inspection ? _____

ACCESS

Access to the boundary
of the reserve☐

N = nil

L = limited to firebreaks and bush tracks

M = moderate - 1 or 2 roads

H = high - several roads, easily trafficable

Access within the reserve ☐ as aboveLength of perimeter of reserve kmLength of perimeter of reserve abutting uncleared land kmUncleared land within 1 km of boundary ha (from air photos)

% of reserve adjoining private land

%

% of private land fenced %

Is fence currently stockproof

☐

Yes or No

From available records does
the reserve appear a significant
recreation site.☐Yes
No

Has it been used for research projects?

☐Yes
No

Reasons _____

Give details _____

USAGE

Facilities available

☐☐☐☐☐☐N = none, L = long-drop toilets, F = flush toilets, B = barbecues, P = picnic sites, I = interpretation
O = other (specify) _____

Is reserve adequately signposted

☐Yes
No

Old or new signs

☐

O = old

N = new

A = absent

DISTURBANCE

Disturbance type

C = cleared

P = part cleared

T = tracks superfluous to
management needs

A = timber cutting

B = borrow pits/mines

R = rubbish dumps

U = utilities eg. powerline

G = grazing

O = other

M = mining tenement (current)

Historical

Current

Area/length
traversed

Comments:

Are borrow pits/mines naturally
regenerating?

Give details _____

Comments ?

Any photographs ?