

AREA INFORMATION

System 6 Area (C or M) or Update Area (Update) *MB4*

Conservation Area	<i>Holona Valley</i>
Nature Reserve	
Reserve No	
National Park	
Reserve No	
Local Government	
Reserve No	
Other	
Proposed Conservation Areas	
Local Government	
Reserve No	
Other	

Conservation Area

Nature Reserve	
Reserve No	
National Park	
Reserve No	
Local Government	
Reserve No	
Other	

AREA

Total Area	hectares
Completely Degraded	hectares
comments:	

AREA MAPPED FLORISTIC UNITS

Boundaries: System6 CALM

Units	Site (Condition)	Code	Bound	Area (ha)	Area(ha)

Boundaries determined by use of

aerial photograph	
orthophoto	
vegetation map	
soil map	

R. A. O. U. TRACKING DATABASE

23/06/96

PARK SIGHTINGS REPORT

Page No. 1

Helena Valley (M34)

ORDER:	REF:	BIRD NAME	NO.	SIGHTINGS
0028	0202	Australian Wood Duck	1	
0032	0208	Pacific Black Duck	1	
0132	0097	Little Black Cormorant	1	
0139	0188	White-faced Heron	2	
0180	0224	Wedge-tailed Eagle	2	
0181	0225	Little Eagle	2	4
0326	0988	Laughing Turtle-Dove	1	
0327	0989	Spotted Turtle-Dove	1	
0330	0034	Common Bronzewing	2	
0356A	1266	White-tailed Black-Cockatoo	2	1
0359	0273	Galah	3	
0385	0289	Western Rosella	1	
0386	0294	Australian Ringneck	3	
0387	0290	Red-capped Parrot	3	
0405	0337	Pallid Cuckoo	2	
0408	0338	Fan-tailed Cuckoo	1	
0410	0342	Horsfield's Bronze-Cuckoo	3	
0411	0344	Shining Bronze-Cuckoo	3	
0421	0242	Southern Boobook	1	
0446	0322	Laughing Kookaburra	3	
0451	0326	Sacred Kingfisher	3	
0453	0329	Rainbow Bee-eater	3	
0471	0532	Splendid Fairy-wren	3	3
0475	0538	Red-winged Fairy-wren	1	3
0489	0565	Spotted Pardalote	1	
0492	0976	Striated Pardalote	3	
0512	0465	Weebill	3	3
0517	0463	Western Gerygone	3	
0524	0476	Inland Thornbill	2	3
0528	0472	Western Thornbill	3	3
0531	0486	Yellow-rumped Thornbill	3	3
0537	0638	Red Wattlebird	3	
0539	0637	Little Wattlebird	2	4
0561	0608	Singing Honeyeater	2	
0580	0578	White-naped Honeyeater	2	4
0583	0597	Brown Honeyeater	3	
0587	0631	New Holland Honeyeater	2	4
0597	0592	Western Spinebill	2	
0613	0380	Scarlet Robin	2	3
0614	0381	Red-capped Robin	3	
0644	0549	Varied Sittella	1	3
0650	0398	Golden Whistler	3	3
0653	0401	Rufous Whistler	3	

			Page No.	2
0658	0408	Grey Shrike-thrush	2	
0671	0415	Maggie-Lark	2	
0673	0361	Grey Fantail	3	
0676	0364	Willie Wagtail	1	
0678	0424	Black-faced Cuckoo-shrike	2	
0698	0705	Australian Magpie	3	
0706	0930	Australian Raven	3	
0763	0357	Welcome Swallow	1	
0765	0359	Tree Martin	3	
0780	0576	Yellow White-eye	1	
0781	0574	Silvereye	2	

*** END OF REPORT ***

① 1
 ②
 ③ 10
 ④ 4

SUMMARY REPORT

TOTAL BIRDS SIGHTED	:	54
TOTAL NUMBER OF CARDS	:	3

*** END OF SUMMARY ***

Subm 332 M34



Shire of Mundaring

7000 GREAT EASTERN HIGHWAY MUNDARING WESTERN AUSTRALIA 6073
TELEPHONE (09) 295 1400 FACSIMILE (09) 295 3288

Director
Policy and Strategic Studies Division
Department of Environmental Protection
Westralia Square
141 St Georges Terrace
PERTH 6000

In reply please quote our reference:
Enquiries: Sri Ramanathan
Our Ref: EV.STU 1

Att. Mr K. McAlpine

Dear Sir

RE: SYSTEM SIX UPDATE

Further to my letter dated 12th September 1995 regarding the above, please find attached the preliminary list of reserves for consideration as System Six areas from the Reserves Study (Stage 2).

Most of the areas put forward for consideration are groupings of potentially high conservation reserves greater than 5 hectares identified from the Stage 2 database.

Highlighted maps accompany those reserves recommended from the Stage 2 database to assist with location and interpretation. Briefing notes and the full list of preliminary reserves are attached for your information. Details regarding area, vesting and purpose of all unsecured bushland reserves within the Shire of Mundaring are also attached for your reference, together with the 'Final Criteria' document. I recognise that this update is quite a complex undertaking and offer our services to assist your Organisation in this project.

I understand from discussions with Ms Bridget Hyder that there was some difficulty in locating some of the reserves recommended in our previous submission.

In order to clarify any outstanding issues, it may be appropriate for your staff to meet with Shire staff. The Shire has a set of working maps which identify all reserves which may be worthwhile to consult as part of your investigations. Please contact me if you wish to arrange a suitable meeting time.

Yours faithfully

SRI RAMANATHAN
MANAGER, PLANNING AND DEVELOPMENT

29 September 1995
092211:mmc

Enc.

MOOLA ROAD M34

192d

It is recommended that ↑32735 (#33) be added to M34 (see Plan 3). Despite its isolated location, ↑32735 is an exceptional bushland reserve of 9 hectares containing a seasonal watercourse which flows through M34 to the Helena River.

HUDMAN ROAD RESERVE M34

192e

The Hudman Road Reserve is part of M34. It is recommended that ↑27756 (not listed) be joined with ↑8006 (#27) to be incorporated in M34 (see Plan 4).

WOOROLOO M26

192f

There are a number of proposed additions to M26 (see Plan 5) which incorporate adjacent reserves which are presently linked via linear public open space bushland and bushland covered private land.

Additions include:

↑35718 (#77)

↑15216 (#22)

which could be linked via remnant creekline vegetation 40d & 77 on private location 7769

↑38528 (#71)

↳ 40h

There is also ↑33487 Mayo Road (see area north of M26 on Plan 5) which consists of approximately 30 hectares of high quality bushland which is poorly represented in existing conservation reserves. Some of these reserves were established following a land area swap with ↑27248 (#57).

M27 - RESERVES NORTH OF LAKE MANARING

192g

There are several reserves (see Plan 6) that could also be added to M27, namely:

↑34203

↑27164

↑34764

↑32172

These reserves would link the presently separated areas associated with the northern section of M27.

Reserve #70 (Property Numbers 111370 and 111371 which total some 50 hectares along Great Southern Highway) and ↑36125 (#4 - 127 hectares) together with the Flynn Road Reserve (#8 - 202 hectares) may also be suitable for inclusion in System Six due to their large size and natural values. Unfortunately these reserves were unable to be located on the Shire's TPS 3 maps.

? *

M34 Helena Valley

Friends Advocate ? Management

Other Names:

Specific Study/studies Miscellaneous studies

Flora

Vegetation Map	1	2	3	
Flora list	1	2	3	4
Significant Taxa		done	/ suitable	/ doubtful

Fauna

? Mammals	1	2	
? Birds	1	2	RAOU
? Reptiles and Amphibia	1	2	
Invertebrates	1	2	

Vegetation Condition Map Sites Comment

Disturbance Factors Comment Management

Swan Coastal Plain Floristic Survey

AHC: National Estate- Listed / Interim / Nominated / Notified NT (WA): Heritage Classification

Notes	Darling Range Regional Park
	Mundaring / Swan
	Helena Valley / Boya Association
	Difficult to summarise, series of studies

M34 Helena Valley		
M34.1 Regional park recommendations be applied to this area.	Recommendation Progressing	CALM's 1992 draft Forests Strategy recommends part of the area be conservation park. This area is being considered as part of the Darling Range Regional Park study co-ordinated by the Department of Planning and Urban Development. The Regional Parks Task Force report lists Darling Range as a proposed regional park.
M34.2 Portion of Land Act Reserves within Zone 1 (Figure 103) be excised and made "A" Class Reserve for Conservation of Flora and Fauna, and Recreation, vested in Minister for Water Resources.	Unresolved Issues	WAWA will await the outcome of the Darling Range Regional Park study before addressing this recommendation.
M34.3 Minister for Water Resources encourage owners of private property which occurs in Zone 1 to favour conservation and preservation of water quality in their management priorities.	Unresolved Issues	WAWA considers that this would need to be addressed through a comprehensive management plan. WAWA will await the outcome of the Darling Range Regional Park study before considering preparation of the management plan.
M34.4 DPUD to ensure that management of its land within Zone 1 includes conservation and preservation of water quality in their management priorities.	Unresolved Issues	
M34.5 CALM to amend management priority of State Forest within zone 1 from Recreation and Water Production to Conservation of Flora and Fauna and Landscape, and Water Production	Intent being met	CALM's 1992 draft Forests Strategy recommends that this part of the regional park be conservation park. The area is already being managed for these purposes.
M34.6 Minister for Water Resources prepare a management plan subject to recommendations M34.2 and M34.3 in consultation with CALM.	Unresolved Issues	WAWA will await the outcome of the Darling Range Regional Park study before considering preparation of the management plan. Helena/Boya Valley Association have an interest in this area.

1986

LM - Murdoch Univ Res & Environ Study
of Lower Helena Valley containing our
Flora & Fauna
Environ Manage. (Class project)

PB #2754 Shire Kalamunda Flora & Fauna.

PB Cooseberry Hill. CSIRO Mike Brooker
Upland
long term bird sites.
Valley

SHEET 1: System 6 - REPORT Information Search

Date 12/5/94 PH

Please circle the appropriate response or respond in the space provided.

Area M34 Name	<u>Gooseberry Hill</u>		
	<u>(PART)</u>		
Title	<u>Naturalised Plants on the Southern Slopes of the Western end of the Helena Valley, Western Australia.</u>		
	<u>WA Naturalist</u>		
Published/Unpublished	Date	<u>25 August 1993</u>	<u>Vol 19 No 3</u>
Author/s	<u>BMJ Massey (Weeds)</u>		
Location of Publication			
Purpose (why was the report prepared?)			
Government			
Corporate			
Community Group			
Management Plan			

Soils			
Units	mapped	described	referenced

Landscape			
Features	described	referenced	

Flora			
Vegetation Map			
Units	Site based (no)		
Mapped			
Veg Units	Comparable Heddle <i>et al</i>	Compared Heddle <i>et al</i>	Unit not mapped by Heddle <i>et al</i> .
Flora list			
Timing	% completion	<u>100%</u>	Significant Taxa
	Trees	Shrubs Herbs Sedges	<u>Weeds</u> DRF CALM Priority Other

Fauna			
Timing	% completion	Significant Taxa	
	Mammals	Birds	Sched1 Sched2 Other
	Reptiles	Invertebrates	

Vegetation Condition			
Site based	Mapped	Units	
Disturbance Factors			
Phytophthora	observed	Other	incidental
	tested		itemised

Notes			

Area M <u>34</u> Name	<u>Gooseberry Hill (includes Hedman Wood)</u>		
Source			
Purpose (why was the study done?)			
Government			
Corporate			
Community Group			
Management Plan			
Publication Planned	Yes	No	Date
Planned Location			

Soils		
Units	described	referenced

Landscape		
Features	described	referenced

Flora			
Vegetation Map			
Units	Site based (no)	<u>P. Hissley</u>	
Mapped		<u>20 (PH) pairs</u>	
Veg Units	Comparable Heddle <i>et al</i>	Compared Heddle <i>et al</i>	Unit not mapped by Heddle <i>et al</i>
Flora list	<u>P. Hissley</u>		
Timing	% completion	<u>< 100%</u>	
	<u>(Significant Taxa)</u>		
	<u>3yr (intensive)</u>	<u>Trees</u>	<u>Shrubs</u>
	<u>Herbs</u>	<u>Sedges</u>	<u>Weeds</u>
		DRF	CALM Priority Other
	<u>every month on 3k transect, 12 years</u>		

Fauna			
Timing	% completion	Significant Taxa	
	Mammals	Birds	Sched1 Sched2 Other
	Reptiles	Invertebrates	

Vegetation Condition			
Site based	Mapped	Units	
Disturbance Factors			
Phytophthora	observed	Other	incidental
	tested	itemised	

Notes	<u>Other work aware of</u>		
	<u>M. Brooker</u>	<u>Flora / Fauna (birds) info</u>	
	<u>K. Hobbs</u>	<u>Seed dispersal</u>	
	<u>D. Serwinty</u>		
	<u>To Seoprao</u>	<u>Helena Valley list (corrected and incorporated in PH list)</u>	
	<u>To Marshall</u>	<u>for Daling Res</u>	
	<u>not published</u>	<u>Geograph Student</u>	

Area M34 Name	<i>Helenna Valley</i>		
Source	<i>Joanna Seabrook</i>		
Purpose (why was the study done?)			
Government			
Corporate			
Community Group	<i>to document the flora and fauna</i>		
Management Plan			
Publication Planned	Yes	No	Date <i>? 1994</i>
Planned Location			

Soils			
Units	described	referenced	<i>location plants related soils</i>

Landscape			
Features	described	referenced	

Flora			
Vegetation Map			
Units	Site based (no)		
Mapped			
Veg Units	Comparable Heddle <i>et al</i>	Compared Heddle <i>et al</i>	Unit not mapped by Heddle <i>et al</i>
Flora list	<i>indication of location flora on map</i>		
Timing	%completion <i>100%</i>	Significant Taxa	
<i>3yrs</i>	<u>Trees</u> <u>Shrubs</u> <u>Herbs</u> <u>Sedges</u>	Weeds	DRF CALM Priority Other
	<i>not complete</i>		

Fauna			
Timing	%completion	Significant Taxa	
	Mammals <input checked="" type="checkbox"/>	Birds <input checked="" type="checkbox"/>	Sched1 Sched2 Other
	Reptiles <input checked="" type="checkbox"/> <i>Amphib</i>	Invertebrates	
	<i>Fish</i> <input checked="" type="checkbox"/>		

Vegetation Condition			
Site based	Mapped	Units	
Disturbance Factors			
Phytophthora	observed	Other	incidental
	tested		itemised

Notes			
	<i>Don Seventy</i>		

Area M <u>34</u> Name			
	<u>(part)</u>		
Source	<u>P. Keppel</u>		
Purpose (why was the study done?)	<u>Baseline data Hills Forest / Fox baiting</u>		
Government	<u>CALM Monitoring</u>		
Corporate			
Community Group			
Management Plan			
Publication Planned	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Date <u>?/1995</u>
Planned Location			

Soils			
Units	<input checked="" type="radio"/> described	<input checked="" type="radio"/> referenced	

Landscape			
Features	<input checked="" type="radio"/> described	<input checked="" type="radio"/> referenced	

Flora			
Vegetation Map			
Units	<u>Muir (modified)</u>	Site based (no)	<u>10x10 (215)</u>
Mapped	<u>Planned established sites for this</u>		
Veg Units	<u>Comparable Heddle et al</u>	Compared Heddle et al.	Unit not mapped by Heddle et al.

Flora list			
Timing	<input checked="" type="radio"/> completion	<input checked="" type="radio"/> Significant Taxa	
<u>Summer/Spring ongoing</u>	<input checked="" type="radio"/> Trees	<input checked="" type="radio"/> Shrubs	<input checked="" type="radio"/> Herbs
	<input checked="" type="radio"/> Sedges	<input checked="" type="radio"/> Weeds	<input type="radio"/> DRF
			<input type="radio"/> CALM
			<input type="radio"/> Priority
			<input type="radio"/> Other

Fauna	<u>area based pit traps, Elliotts, Box traps</u>		
Timing	<input checked="" type="radio"/> completion	<input checked="" type="radio"/> Significant Taxa	
<u>see below</u>	<input checked="" type="radio"/> Mammals	<input checked="" type="radio"/> Birds	<input type="radio"/> Sched1
	<input checked="" type="radio"/> Reptiles & Amphib	<input type="radio"/> Invertebrates	<input type="radio"/> Sched2
			<input type="radio"/> Other

Vegetation Condition			
<input checked="" type="radio"/> Site based	<input type="radio"/> Mapped	Units	<u>Allord provided</u>
Disturbance Factors			
Phytophthora	<input checked="" type="radio"/> observed	Other	<input checked="" type="radio"/> incidental
	tested		itemised

Notes	<u>Sites to be used for monitoring</u>		
	<u>• all fauna sites listed (check Flora list)</u>		
	<u>Fauna over whole year initially,</u>		
	<u>reduced to spring and autumn now.</u>		
	<u>Linked to Flora work.</u>		