

System 6 Update - Floristic Community Type Mapping Information **DRAFT ONLY**

AREA INFORMATION

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

M27

Conservation Area	
Nature Reserve	
Reserve No	C30667 C20681
National Park	
Reserve No	
Local Government	
Reserve No	
Other	
Proposed Conservation Areas	
Local Government	
Reserve No	C28023 C30797
Other	
not tested	

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	Metro Regional Area on 24
orthophoto	
vegetation map	
soil map	

M27 Reserves North of Lake Manaring

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	<i>Part Darling Range Regional Park</i>
	<i>Mundaring</i>

M27 Reserves North of Lake Manaring

M27.1 Reserve C30667 be classified "A" Class.	Implementation Progressing	CALM's 1992 Draft South-west Forests Strategy recommends nature reserve. This area is being considered as part of the Darling Range Regional Park study.
M27.2 Reserves C25033, C30681 and C30797 be cancelled and their areas added to Reserve C30667.	Implementation Progressing	Agreement has been reached as follows. The north-east section of Reserve 25033 will not be included in the amalgamation but Reserve 34203 and portions of Reserves 32172, 34763, 34764 and State Forest will be included.

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

Area M26 Name	<u>Timber Reserves N of Whundowie</u>		
	<u>(part, perhaps)</u>		
Title			
Published/Unpublished	<input checked="" type="checkbox"/> Unpublished	Date	<u>1993</u>
Author/s	<u>McAtiske and Associates & Ninnox For Clough Eng.</u>		
Location of Publication	<u>DEP</u>		
Purpose (why was the report prepared?)			
Government			
Corporate	<u>Clough Engineering for Mining operation</u>		
Community Group			
Management Plan			

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

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

Flora	<u>McAtiske - traverses, mapped using Havel System</u>		
Vegetation Map			
Units	Site based (no)		
Mapped	<input checked="" type="checkbox"/>		
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>Flora by community</u>		
Timing	% completion	<u>60-70%</u>	<input checked="" type="checkbox"/> Significant Taxa
<u>March 10/93</u>	<input checked="" type="checkbox"/> Trees	<input checked="" type="checkbox"/> Shrubs	<input checked="" type="checkbox"/> Herbs
	<input checked="" type="checkbox"/> Sedges	<input checked="" type="checkbox"/> Weeds	DRF CALM Priority Other

Fauna	<u>Ninnox</u>		
Timing	% completion	<input checked="" type="checkbox"/> Significant Taxa	
<u>Nov 93</u>	<input checked="" type="checkbox"/> Mammals	<input checked="" type="checkbox"/> Birds	Sched1 Sched2 Other
	<input checked="" type="checkbox"/> Reptiles	Invertebrates	

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

Notes			

UNDER SECRETARY FOR LANDS

3125/96 V4
110/81 M27 IB:tg

Attention: Mr. T. Hillyard

RE: SYSTEM 6 REPORT RECOMMENDATION M27

I refer to your letter dated 28 May regarding the possible future vesting and purpose of the Lake Manaring reserve.

I advise that in view of both your Department's submission to the Report and the Public Works Department's comments, the appropriate forum for a resolution on this matter is the System 6 Study and of course, the Environmental Protection Authority's deliberations.

C.F. Porter *J*
DIRECTOR

25th June, 1982



DEPARTMENT OF LANDS AND SURVEYS

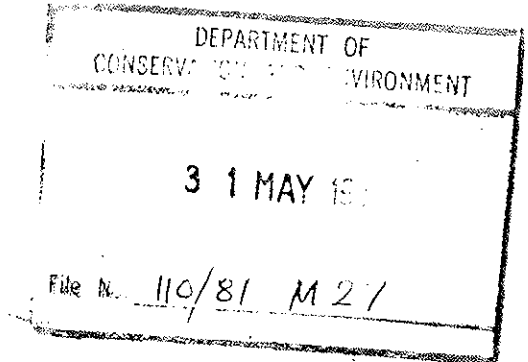
Cathedral Avenue,
Perth,
Western Australia 6000

Your Ref.

Our Ref. 3125/96V4 TH:GMD

Telephone
Enquiries

Director
Department of Conservation and
Environment



SYSTEM 6 STUDY - ITEM M27

In the Department's submission on the System 6 Study your attention was drawn to considerations by this Department with respect to Lake Manaring. The submission extract read:-

"M27 - The recommendation should be expanded to consider Lake Manaring to the south. Departmental consideration had been given to including the Lake in Reserve 25033 with a change of purpose to Conservation of Flora and Fauna with vesting in the W.A. Wildlife Authority. The P.W.D. opposed the action and requested inclusion of the Lake in Reserve 6203 as the Lake is within the Mundaring Weir Catchment.

The matter has yet to be resolved and the System 6 Study appears an appropriate forum for resolution."

Unfortunately subsequent to the above, Officers of the Department unaware of the submission have continued action on this matter to the point where the Departments of Fisheries and Wildlife, Public Works and the Shire of Mundaring have been advised that it is intended to add Lake Manaring to Reserve No. 6203 "Reservoirs, Aqueducts, Water Courses and Catchment area vested in the P.W.D.

Whilst papers have been prepared for submission to Executive Council, the matter has now been held in abeyance pending your consideration.

Do you consider that this Department should proceed with inclusion into Reserve No. 6203 or await consideration of the System 6 submissions.

Your advice in due course would be appreciated.

[Signature]
UNDER SECRETARY FOR LANDS

May 28, 1982

[Handwritten initials: RAD]

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FILE 110/81 M27

Manaring Lake Field Trip (22 June, 1982)

The main aim of visiting Lake Manaring was first to inspect the lake and its hinterland in terms of physical environment and land use. Secondly, was to inspect its surface hydrological aspects.

In terms of land use, the western shore and runoff zone was cleared and appeared to be for grazing purposes. Lot M 1796 was partially cleared with an open field and also had a gravel quarry in that region abutting Flynn Road.

A sand quarry (approx. several hectares in area and in parts about 1.5 to 2.0m in depth) is located on the S.E. shoreline. The quarry has not been used for some time as evidenced by extensive distribution of saplings and ground cover. There is a narrow (approx. 10m) sand bund separating the quarry from the lake. From observation the base of the quarry appeared lower than the flat lake bed.

There is no strong evidence to suggest an overflow drainage line from the lake on its southern shores as the 270m contour line re-entrant (S.E. of lake) might suggest. However, a drainage ditch has been dug through the sand wall of the quarry and from photo 8 it has been quite active.

From observations there appears to be no surface drainage from the lake itself and also would require high surface water levels before natural surface drainage initiated.

There was no apparent rehabilitation or management effort of the quarry, which from my interpretation of reserve boundaries is within Pt. Res. 6203 which is vested in the P.W.D.


Ian Briggs

25th June, 1982.

M22 - Manaring Lake.



1. Drainage line south of "Lake" looking upstream



2. Same drainage line as 1. but looking downstream



3. Pasture land abutting drainage line. in 1. & 2.



4. Main channel downstream of Photos 1 & 2. and directly south of "Lake" - Flowing E-W.



5. Central "Lake" about 5 cm deep.



6. View to east from centre of Lake.



7. Remnant of sand mining on eastern shore of "Lake"



8. Uncontrolled drainage from sand mining area



9. Small bund or mound between sand mine and Lake foreshore.



10. Bund or mound (about 1.5 m ht) between sand mine and lake.



11. Sand mine or quarry. looking south.



12 North-east foreshore.



13. Eastern portion of sand quarry.