

# **Kolora Lake Reserve**



## **PLAN OF MANAGEMENT**

**September 2004**

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## PART ONE - INTRODUCTION

Kolora Lake Reserve is Public Land dedicated to Maclean Shire under Section 94 of the Environmental Planning and Assessment Act.

The reserve provides an aesthetically appealing entry to Yamba and is a popular area for swimming and passive recreation.

This Plan of Management has been prepared as a requirement of Part 2 of the Local Government Act 1993.

### **Location**

Kolora Lake Reserve is located between Yamba Road, Witonga Drive and Gumnut Drive (Map 1) at Lot 93 DP844097 and Lot 22 DP 746368.

### **Category**

Lake Kolora Reserve is classified as General Community with a sub-classification of Community under the Local Government Act.

### **Background**

Lake Kolora is Public Land dedicated to Maclean Shire in 1984 under Section 94 of the Environmental Planning and Assessment Act. The development of an 84 lot subdivision required dedication of an open space area by the developer to be used as a recreational area by the community.

The site is approximately 7.035 hectares and includes a constructed water body, known as Lake Kolora, that is connected to the Clarence River via an underground culvert linking it to a constructed canal on the northern side of Gumnut Drive (Map 1). The remaining area of the site is level, with some planted trees and is regularly mown.

The southern section of the Lake was constructed in 1984 by sand extraction and dredging. The excavated sand was pumped to adjacent low-lying land as fill to raise levels suitable for a housing subdivision. The Lake was expanded to the western section in 1996 using the same method and for the same purpose as stage 1.

The construction of the western section of the Lake included the creation of an island in the central section for the purpose of a bird refuge to provide habitat. The island has since eroded and no longer exists. An Osprey nesting site has been protected by erecting a pole on the eastern side of the Lake.

The perimeter of the Lake provides an area of 10 metres to 40 metres wide. This area of the reserve is landscaped and has been graded to slope toward the lake and is regularly mowed by Council.

### **Improvements**

The reserve has had landscaping and some low-key walking tracks constructed. The Plan of Management will allow improvements to be developed on the reserve.

### **Legislation**

Part 2 of the Local Government Act requires public land dedicated to Council, to be categorised as Operational or Community land. Lake Kolora Reserve is categorised as Community land and is required, under the Act, to have a Plan of Management.

## **Zoning**

Lake Kolora Reserve is zoned 6(a) Open Space under Maclean Shire Council's Local Environmental Plan (2001).

### Aim of zone

The aim of this zone is to set aside land that is currently used or is available to be used for the purpose of public open space.

### Objectives of zone

The objectives of this zone are:

- (a) to ensure that there is adequate provision of open space to meet the present open space and recreational needs of all residents, and
- (b) to enable the development of land within this zone for purposes associated with recreation, and
- (c) to provide opportunities to enhance the total environmental quality of the local government area of Maclean, and
- (d) to ensure that there is adequate provision of both active and passive open space to serve the present and future recreational needs of residents and visitors

## **Mapping**

Mapping of the reserve boundary was completed using cadastral data provided by the Land Information Centre for use in Council's **Geographic Information System** (GIS). As the name suggests, this system is an information system only therefore, some discrepancies will exist between boundaries displayed on the map and survey accurate boundary locations.

## **Surrounding development**

Kolora Lake Reserve is located adjacent to residential land and Yamba Road the main entry to Yamba.

## PART TWO - MANAGEMENT

Management of the reserve is the responsibility of Maclean Shire Council on behalf of the residents of Maclean Shire. Lake Kolora Reserve provides an important recreational area that is valued by the community. The reserve is aesthetically pleasing as an entry point to the town of Yamba and provide important open space for residents residing in the immediate area.

The Local Government Act requires specific core objectives for management of community land categorised as a wetland. Core objectives include the following:

- a) to protect the biodiversity and ecological values of wetlands, with particular reference to their hydrological environment (including water quality and water flow), and to the flora, fauna and habitat values of the wetlands, and
- b) to restore and regenerate degraded wetlands, and
- c) to facilitate community education in relation to wetlands, and the community use of wetlands, without compromising the ecological values of wetlands.

### Management Table

<b>Objective</b>	<b>Actions</b>	<b>Performance targets</b>
<b>To protect biodiversity and ecological values</b>	<p>Provide &amp; maintain works to contain erosion to assist in improving water quality.</p> <p>Plant endemic species along lake foreshore.</p> <p>Maintain weeds &amp; monitor &amp; manage native vegetation.</p> <p>Install disposal bin &amp; educational signage for dog owners.</p>	<p>Erosion arrested &amp; contained.</p> <p>Endemic species planted &amp; maintained.</p> <p>Weeds monitored &amp; native vegetation maintained.</p> <p>Dog faeces eliminated and water quality maintained.</p>
<b>Restore &amp; regenerate degraded wetlands</b>	<p>Provide &amp; maintain works to reduce erosion.</p> <p>Plant endemic plant species along the foreshore.</p>	<p>Erosion contained.</p> <p>Endemic plants monitored for success.</p>
<b>Provide information to the community regarding wetlands</b>	<p>Develop and provide educational information, including signage, about ecological values of natural &amp; constructed wetlands.</p>	<p>Information signage constructed &amp; maintained.</p>
<b>Improve the aesthetic value of the reserve</b>	<p>Provide &amp; maintain landscaped gardens and mowed areas for the visual enhancement of the reserve.</p> <p>Monitor &amp; manage litter in the reserve.</p>	<p>Landscaped gardens &amp; mowed areas developed &amp; maintained.</p> <p>Litter monitored &amp; managed.</p>

<p><b>Protect the riparian vegetation, habitat &amp; bank stability.</b></p>	<p>Construct &amp; maintain a timber retaining wall to protect the eroding bank on the northern embankment of the lake.</p> <p>Provide and maintain a platform over the water extending from the retaining wall at the central section of the western bank to avoid erosion.</p> <p>Plant Lomandra along the top of the retaining wall to assist in bank stabilization and provide habitat value.</p>	<p>Timber retaining wall constructed &amp; maintained.</p> <p>Platform constructed &amp; maintained &amp; erosion contained.</p> <p>Lomandra planted and monitored for success.</p>
<p><b>Provide access to the reserve</b></p>	<p>Construct and maintain parallel vehicle street parking adjacent to the reserve to restrict cars from the reserve.</p> <p>Construct and maintain safe pedestrian access to facilities.</p> <p>Provide &amp; maintain picnic facilities on the central section of the northern area of the reserve.</p> <p>Provide &amp; maintain a toilet facility on the central section of the northern side of the reserve.</p> <p>Construct &amp; maintain a walk/cycleway to link with Yamba Road, Witonga Drive &amp; Gumnut Rd on the southern, western and northern edge of the reserve.</p> <p>Platform constructed to extend over the water on the central section of the western bank to give swimmers access to the water.</p> <p>Provide access for maintenance of services and facilities.</p>	<p>Adequate parking provided &amp; maintained to an appropriate standard &amp; vehicle access restricted.</p> <p>Safe pedestrian access provided &amp; maintained.</p> <p>Picnic facilities provided &amp; maintained.</p> <p>Toilet facility constructed &amp; maintained.</p> <p>Walk/cycle way constructed &amp; maintained.</p> <p>Platform constructed &amp; maintained.</p> <p>Access provided.</p>

**Figure 1.**  
**Kolora Lake Reserve**

## REFERENCES

Local Government Act 1993.

Mandis Roberts Consultants & Dept. Land & Water Conservation. 1995.,  
*Succeeding with Plans of Management A guide to the Local Government Act & the  
Crown Lands Act.*