

Attachment 1: Table detailing objectives and policies relating to water quality, stormwater runoff and lake weed management.

Key

WQ = Water quality

SM = Stormwater Management

LW = Lake weed

Italicised objectives and policies are actioned as required within budget constraints

	Objective		Policy	Issue
3.2	Integrated Management	To ensure a consistent approach to the management plan of the lake and the lakeside reserves.	<i>4. The management direction of the Water Management Strategy and Lake Pupuke Integrated Catchment Management Plan will be incorporated into this plan.</i>	WQ SM
3.9	Water Quality & Lake weed Management	To contribute to the maintenance and enhancement of water quality, where practical, for ecosystem health, amenity, public health and recreational values.	1. To assist in the management of nutrients in the runoff from reserve areas entering Lake Pupuke by: a) maintaining and improving riparian planting in lakeside reserves; b) limiting further impervious surfaces on the reserves; c) reducing pollution from direct runoff areas; d) considering the development of a stormwater retention pond on the upper level of Quarry Lake Reserve; e) avoiding further hardening of the shoreline in lakeside reserves, and where possible, softening the lake-edge; f) encouraging best management practises from reserve contractors in managing the runoff entering the lake.	WQ LW
		To reduce the impact of floating lake weed on amenity and recreational values.	2. To avoid the build-up of nutrients by: a) <i>removing dead weed from the lake (see policy 4 below);</i> b) remove all domestic geese in order to address nutrient inputs and the amenity effects of bird droppings; c) continuing to wash down bird droppings on the pathed areas of Killarney Park; d) assisting in the development of education materials for catchment residents and lake users.	LW WQ
		To inform and educate lake residents and user groups about the lake's water quality and the environmental effects of their activities on the lake environment.	<i>3. The Parks Department will continue to liaise with Water Services, Strategy and Policy, and the Environmental Programmes Departments regarding the lake's water quality and weed management.</i>	WQ LW
			<i>4. The Parks Department will continue</i>	LW

			<i>to remove floating weed on a response basis and within budget constraints.</i>	
3.10	Litter *	To reduce the impact of litter and waste disposal on the natural, recreation and amenity values of the lake.	1. An education and enforcement programme regarding waste minimisation and litter will be developed.	WQ SM
			3. A biannual clean-up of the lake environment will be co-ordinated by the Parks Department utilising lake users, local residents and other interest groups.	WQ SM

* Litter is considered to be a stormwater quality issue and is introduced to the lake environments via stormwater runoff.