



TREATMENT PROCESS SCHEMATIC

Rock rip-rap

Mulch pathway connection

Existing footpath to be retained



Proposed pipe connections

Proposed circulation pump

MAIN TREATMENT WETLAND PERFORMANCE

0.18

0.9

Proposed low flow pumping of lake water to main wetland for water quality

PREDICTED POLLUTANT REMOVAL

Ammonium Nitrogen

Total Phosphorus (TP)

mg/L 0.01

mg/L 0.01

				Pollutant Removal (median effluent conc cell outlet)		
Parameter	Unit	Aquatic Discharge Targets (ANZECC freshwater guidelines)	Influent conc. (Lake water)	Surface Flow Wetland (SFW 1 & 2)	Suburface Flow Wetland (SSFW) (effluent to the Lake)	% REMOVAL THROUGH THE SYSTEM
Total Nitrogen (TN)	mg/L	0.35	2.6	1.0	0.83	67%
Nitrate Nitrogen	mg/L	0.01	0.27	0.12	0.05	83%

0.3

1.07

Default trigger values applicable to southern Western Australia - Freshwater lakes & reservoirs ecosystem type

1.1

1.4



84%

32%