

**Table 12-1: A qualitative comparison of likely nutrient removal performance of the short-listed options post-discharge to land**

Nutrient Removal Post-Discharge To Land	N-removal	P-removal
Current septic tanks	low	low
Option 1	low	high
Option 2	low-med	high
Option 3	low-med	high
Option 4	low	low-high
Option 5	low	low-high
Option 5A	low-med	high
Option 6	low	low-high
Option 7	low	low

## 13 Determination of TAG’s Recommendations

### 13.1 Recommendation to the RRSSC

The TAG's recommendation was unanimous and is set out at the front of this Report.

This recommendation is consistent with the TAG’s terms of reference as set out Section 3 of this Report. The TAG considered the following criteria in developing the recommended options:

- Lake Water Quality.
- Public Health.
- Validation of Technology; and
- Economic Matters.

The TAG did not consider cultural and social matters because these matters are to be addressed by the RRSSC.

The TAG used the Multi-Criteria Assessment (MCA) decision conferencing tool to assist in ranking the short-list options. The MCA approach is an internationally recognised tool to assist with decision making. It has been accepted by local and central government in New Zealand and is included in the International Infrastructure Management Manual.

The results from the MCA assessment are included in Appendix B of this Report. The ranking of the four recommended options for both East Rotoiti and Rotomā is included in the TAG’s recommendation and restated here for completeness. It is noted however that the level of error was such that no option could be describe as a “Preferred Option”.

**Table 13-1: Options recommended by TAG**

Ranking	East Rotoiti	Rotomā
First	Option 1 – Piped to Rotorua	Option 1 – Pipe to Rotorua
Second	Option 2 - Single Treatment Plant and Land Treatment System	Option 5A - Household Biolytix, Cluster Carbon-bed and Land Disposal
Third	Option 5A - Household Biolytix, Cluster Carbon-bed and Land Disposal	Option 2 - Single Treatment Plant and Land Treatment System and Option 3 - Two Treatment Plants and Land Treatment System
Fourth	Option 3 – Two Treatment Plants and Land Treatment System	