

### ATTACHEMENT 3

Extracted from - Lowe A, Gielen G, Bainbridge A, Jones K. 2007. The Rotorua Land Treatment Systems After 16 Years. The Land Treatment Collective. Proceedings for 2007 Annual Conference. Auckland, 2000. Eds. Wang H. and Quieturn M.

**Table 4.** Distribution of effluent applied nitrogen within the LTS (Gielen, 2006).

N-flux pathway & reference	Relative magnitude (% applied N)	Duration of study (years)
Soil storage		
McLay <i>et al.</i> 2000	43 %	4
Tozer <i>et al.</i> 2005	50 %	11
Wetland storage		
Tozer <i>et al.</i> 2005	13 %	11
Upland soil denitrification		
Burton <i>et al.</i> 2000	< 1 %	1
Wetland denitrification		
Tozer <i>et al.</i> 2005	3 %	11
Peacock <i>et al.</i> 1998	minimal	0.25 (12 weeks)
Tree uptake		
Tomer <i>et al.</i> 2000	8 %	5
Tozer <i>et al.</i> 2005	13 %	11
Understory		
Tozer <i>et al.</i> 2005	1.5 %	11
Soil leaching		
Gielen <i>et al.</i> 2000	39 %	5
Stream export		
Tomer <i>et al.</i> 2000	32 %	6
Tozer <i>et al.</i> 2005	29 %	11