

**Table 3 Updated Total N and P losses modelled by OVERSEER for the proposed farming system on WHL Killermont and WQS thresholds**

	OVERSEER modelling outputs kg/year				WQS threshold kg/year
	System 1 – Cubicle stables	System 2 – Cut and carry	System 3 – Sheep and beef	System 4 – Mixed farm	
Total N leaching/runoff	17,192 <sup>1</sup> (18,955 <sup>5</sup> )	9,045* <sup>5</sup>	11,240* <sup>5</sup>	14,425* <sup>5</sup>	28,611 <sup>2</sup>
Total N leaching/runoff at Highly Developed	20,576 <sup>5</sup> (21,366 <sup>5</sup> )	11,533* <sup>5</sup>	20,279* <sup>5</sup>	20,194* <sup>5</sup>	28,611
Total P leaching/runoff	455 <sup>5</sup> (457 <sup>5</sup> )	440* <sup>5</sup>	448* <sup>5</sup>	459* <sup>5</sup>	459

<sup>1</sup> Includes dryland losses from remainder of farm (50 ha) and non productive areas (34 ha) of approximately 80 kg N and <0.4 kg P. Dryland block losses modelled in SHL KMT Final\_1100ha\_350 kg MS\_animal weight\_dryland.ovp

<sup>2</sup> This new threshold includes 6,105 kg N reallocated to the remainder of Killermont Station

\*APSIM modelling for a cut and carry system is not complete. Until complete assumed figures are 5 kg/ha N (Developed) (average loss for cut and carry systems in Taupo (Thorrold and Betteridge (2006); Menneer et al. (2008); AgResearch (unpublished)) and 7.5 kg/ha N (Highly Developed) and 0.4 kg/ha P (derived from fodder crop losses modelled on similar soils).