

Table 3.1 Waitaki Catchment - Mean Flows By Zone
Data Period 1980 - 2003

Annual Mean Flows

Zone	Catchment Area (km²)	Mean Flow (m³/s)	Specific Discharge (l/s/km²)
1 Lake Tekapo	1448	85.9	59.3
2 Lake Pukaki	1372	128.4	93.6
3 Lake Ohau	1105	83.0	75.1
4 Ahuriri (above SH8)	1300	32.2	24.8
5 Upper McKenzie	2097	16.5	7.9
6 Benmore	1109	7.4	6.7
7 Aviemore	1220	11.9	9.8
8 Hakataramea	899	5.78	6.4
9 Lower Waitaki	1359	7.9	5.8
Total	11908	379.0	

Check Totals	Site	Catchment Area Check (km²)	NIWA Site Index Catchment Area (km²)	Mean Flow Check (m³/s)	Recorded Mean Flow (m³/s)
a 1+2+3+4+5+6	Benmore Total	8430	8500	353.4	354
b 1+2+3+4+5+6+7	Waitaki Dam Total	9651	9735	365.3	385

Seasonal Mean Flows

Zone	Catchment Area (km²)	Summer (m³/s)	Summer (%)	Autumn (m³/s)	Autumn (%)	Winter (m³/s)	Winter (%)	Spring (m³/s)	Spring (%)
1 Lake Tekapo	1448	122.3	35.1%	78.2	22.9%	55.1	16.1%	89.3	25.9%
2 Lake Pukaki	1372	216	41.6%	124	24.3%	64	12.6%	111	21.5%
3 Lake Ohau	1105	113.7	33.9%	76.4	23.2%	53	16.1%	89.4	26.8%
4 Ahuriri (above SH8)	1300	35.4	27.1%	26.3	20.5%	27.3	21.3%	40.2	31.0%
5 Upper McKenzie	2097	16.3	24.4%	12.1	18.5%	15.7	24.0%	21.9	33.1%
6 Benmore	1109	5.81	19.3%	5.78	19.6%	8.62	29.2%	9.54	31.9%
7 Aviemore	1220	9.5	19.8%	13.8	29.3%	7.1	15.1%	17.1	35.9%
8 Hakataramea	899	4.47	19.0%	5.06	22.0%	6.83	29.7%	6.83	29.3%
9 Lower Waitaki	1359	6.82	21.3%	5.89	18.7%	10.56	33.6%	8.37	26.4%
Total	11908	530.3		347.5		248.2		393.6	