

Demands from Industry and Tourism Consumers (Base Year 2001)		to Projected Year 2051 using Statistics New Zealand National Population Projections																			
Notes	Consumer Type	Calc Current Demand		Low Growth Projection				Medium Growth Projection				High Growth Projection									
		Peak Flow (l/s)	Annual Demand (m3/yr)	Peak Flow (l/s) 2011	Volume (m3/yr)	Peak Flow (l/s) 2021	Volume (m3/yr)	Peak Flow (l/s) 2051.00	Volume (m3/yr)	Peak Flow (l/s) 2011.00	Volume (m3/yr)	Peak Flow (l/s) 2021.00	Volume (m3/yr)	Peak Flow (l/s) 2051.00	Volume (m3/yr)	Peak Flow (l/s) 2011.00	Volume (m3/yr)	Peak Flow (l/s) 2021.00	Volume (m3/yr)	Peak Flow (l/s) 2051.00	Volume (m3/yr)
Waitaki catchment																					
<i>Tourism/Recreation</i>																					
CRC982130	Tokarahi Golf Club Inc	0.41	5109	0.44	5,543	0.46	5,788	0.46	5,799	0.50	6,315	0.51	6,477	0.55	6,916	0.50	6,315	0.51	6,477	0.60	7,618
CRC010006.1	Roundhill Ski Field	24.78	130244	26.89	141,321	28.08	147,565	28.13	147,833	30.63	160,985	31.41	165,115	33.55	176,319	30.63	160,985	31.41	165,115	36.95	194,224
CRC905018C	Ohau Ski Area Limited	4.13	21728	4.49	23,576	4.68	24,618	4.69	24,663	5.11	26,857	5.24	27,546	5.60	29,415	5.11	26,857	5.24	27,546	6.16	32,402
<i>Industry/Commercial</i>																					
CRC921428	Mr Clifford George Peart	4.64	87702	5.03	95,161	5.25	99,365	5.26	99,546	5.73	108,402	5.88	111,183	6.27	118,727	5.73	108,402	5.88	111,183	6.91	130,784
WTK870011	NZ Water Development Corp	3.30	62441	3.58	67,752	3.74	70,745	3.75	70,874	4.08	77,179	4.18	79,159	4.47	84,531	4.08	77,179	4.18	79,159	4.92	93,115
WTK860161	Ben Ohau Station Limited	4.95	93662	5.37	101,628	5.61	106,118	5.62	106,311	6.12	115,769	6.28	118,739	6.70	126,796	6.12	115,769	6.28	118,739	7.38	139,672
LWIC	Alliance Pukeuri Meatworks	174.02	2759337	188.82	2,994,023	197.17	3,126,300	197.53	3,131,990	215.10	3,410,613	220.62	3,498,127	235.59	3,735,493	215.10	3,410,613	220.62	3,498,127	259.51	4,114,826
<i>Estimates based on sum of In-catchment demand</i>																					
Estimate (10%)	Mackenzie District	22.16	314451	24.04	341,196	25.11	356,270	25.15	356,919	27.39	388,670	28.09	398,643	30.00	425,693	27.39	388,670	28.09	398,643	33.04	468,922
Estimate (15%)	Waitaki District	33.24	471677	36.06	511,794	37.66	534,405	37.73	535,378	41.08	583,005	42.14	597,965	45.00	638,540	41.08	583,005	42.14	597,965	49.56	703,383
Estimate (15%)	Waimate District	33.24	471677	36.06	511,794	37.66	534,405	37.73	535,378	41.08	583,005	42.14	597,965	45.00	638,540	41.08	583,005	42.14	597,965	49.56	703,383
	Sum:	304.86	4418028	330.79	4,793,788	345.40	5,005,581	346.03	5,014,690	376.82	5,460,800	386.48	5,600,919	412.71	5,980,971	376.82	5,460,800	386.48	5,600,919	454.62	6,588,328
North of Catchment																					
<i>Estimates based on sum of In-catchment demand</i>																					
Fonterra	Dairy Processing Cldboye	162.31	2437481	176.12	2,644,792	183.90	2,761,640	184.23	2,766,666	200.62	3,012,790	205.77	3,090,096	219.73	3,299,775	200.62	3,012,790	205.77	3,090,096	242.05	3,634,861
Estimate (20%)	Mackenzie District	44.32	628903	48.09	682,392	50.21	712,540	50.30	713,837	54.78	777,341	56.18	797,286	59.99	851,387	54.78	777,341	56.18	797,286	66.09	937,843
Estimate (20%)	Waimate District	44.32	628903	48.09	682,392	50.21	712,540	50.30	713,837	54.78	777,341	56.18	797,286	59.99	851,387	54.78	777,341	56.18	797,286	66.09	937,843
Estimate (50%)	Timaru District	110.79	1572257	120.21	1,705,980	125.53	1,781,351	125.75	1,784,593	136.94	1,943,352	140.45	1,993,216	149.98	2,128,466	136.94	1,943,352	140.45	1,993,216	165.22	2,344,608
	Sum:	361.737	5267544	392.50	5,715,556	409.84	5,968,073	410.59	5,978,933	447.12	6,510,823	458.59	6,677,885	489.71	7,131,015	447.12	6,510,823	458.59	6,677,885	539.44	7,855,156
South of Catchment																					
<i>Estimates based on sum of In-catchment demand</i>																					
Estimate (30%)	Waitaki District	66.47	943354	72.13	1,023,588	75.32	1,068,811	75.45	1,070,756	82.16	1,166,011	84.27	1,195,930	89.99	1,277,080	82.16	1,166,011	84.27	1,195,930	99.13	1,406,765
	Sum:	66.47	943354	72.13	1,023,588	75.32	1,068,811	75.45	1,070,756	82.16	1,166,011	84.27	1,195,930	89.99	1,277,080	82.16	1,166,011	84.27	1,195,930	99.13	1,406,765
Extreme South of Catchment																					
<i>Estimates based on sum of In-catchment demand</i>																					
Estimate (15%)	Dunedin City District	33.24	471677	36.06	511,794	37.66	534,405	37.73	535,378	41.08	583,005	42.14	597,965	45.00	638,540	41.08	583,005	42.14	597,965	49.56	703,383
	Sum:	33.24	471677	36.06	511,794	37.66	534,405	37.73	535,378	41.08	583,005	42.14	597,965	45.00	638,540	41.08	583,005	42.14	597,965	49.56	703,383
	Current Demand	304.86	4418028																		
	Projected Demand:			831.49	12,044,727	868.22	12,576,869	869.80	12,599,757	947.18	13,720,639	971.48	14,072,699	1037.40	15,027,606	947.18	13,720,639	971.48	14,072,699	1142.75	16,553,632
Note: Estimate (XX%) is a relative estimate based on the sum of in catchment demand																					