

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
1	Waitaki Catchment Present and Projected Demands (Industrial and Tourism Sectors Only) - Low, High Economic Growth and Composite High Popn & High EG Growth Scenarios																										
2	Present						Low Growth Estimate						Medium Growth Estimate						High Growth Estimate								
3							2011		2021		2051		2011		2021		2051		2011		2021		2051				
4	Peak Flow			Probable			Peak Flow			Probable			Peak Flow			Probable			Peak Flow			Probable					
5	Catchment	Total Water use by Sector	(l/s)	Max Volume (m3/yr)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)	(l/s)	Volume (m3/yr)
6	1	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
7		Tourism	38.00	782,195	297,234	41.23	322,514	43.05	336,763	43.13	337,376	46.97	367,389	48.17	376,816	51.44	402,385	46.97	367,389	47.22	376,816	56.67	443,247				
8																											
9	2	Industrial & Commercial	10.00	315,360	176,602	10.85	191,622	11.33	200,088	11.35	200,452	12.36	218,284	12.68	223,885	13.54	239,077	12.36	218,284	12.68	223,885	14.91	263,355				
10		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
11																											
12	3	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
13		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
14																											
15	4	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
16		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
17																											
18	5	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
19		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
20																											
21	6	Industrial & Commercial	15.00	473,040	264,902	16.28	287,433	16.99	300,132	17.03	300,678	18.54	327,426	19.02	335,828	20.31	358,616	18.54	327,426	19.02	335,828	22.37	395,032				
22		Tourism	14.00	130,305	49,516	15.19	53,727	15.86	56,101	15.89	56,203	17.30	61,203	17.75	62,773	18.95	67,033	17.30	61,203	17.75	62,773	20.88	73,840				
23																											
24	7	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
25		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
26																											
27	8	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
28		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
29																											
30	9	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
31		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
32																											
33	10	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
34		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
35																											
36	11	Industrial & Commercial	14.00	146,000	81,760	15.19	88,714	15.86	92,633	15.89	92,802	17.30	101,058	17.75	103,651	18.95	110,684	17.30	101,058	17.75	103,651	20.88	121,924				
37		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
38																											
39	12	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
40		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
41																											
42	13	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
43		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
44																											
45	14	Industrial & Commercial	173.60	5,475,000	3,066,000	188.36	3,326,768	196.69	3,473,746	197.04	3,480,068	214.57	3,789,657	220.08	3,886,896	235.01	4,150,643	214.57	3,789,657	220.08	3,886,896	258.88	4,572,133				
46		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
47																											
48	15	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
49		Tourism	12.00	12,775	4,855	13.02	5,267	13.60	5,500	13.62	5,510	14.83	6,000	15.21	6,154	16.25	6,572	14.83	6,000	15.21	6,154	17.89	7,239				
50																											
51	16	Industrial & Commercial	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
52		Tourism	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
53																											
54	Total Consented Flows By Catchment																										
55	1	Total for Catchment 1	38.00	782,195	297,234	41.23	322,514	43.05	336,763	43.13	337,376	46.97	367,389	48.17	376,816	51.44	402,385	46.97	367,389	47.22	376,816	56.67	443,247				
56	2	Total for Catchment 2	10.00	315,360	176,602	10.85	191,622	11.33	200,088	11.35	200,452	12.36	218,284	12.68	223,885	13.54	239,077	12.36	218,284	12.68	223,885	14.91	263,355				
57	3	Total for Catchment 3	0.00	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
58	4	Total for Catchment 4	0.00	0	0</																						

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
72	Total Projected Consent Flows By Year for All Catchments																									
73	Present	2001 - 2004	Peak Flow		276.60		(l/s)																			
74			Max Annual		7,334,675		(m3/year)																			
75			Probable Annual		3,940,869		(m3/year)																			
76	Low Growth	2011	Peak Flow		300.13		(l/s)																			
77			Probable Annual		4,276,045		(m3/year)																			
78		2021	Peak Flow		313.38		(l/s)																			
79			Probable Annual		4,464,963		(m3/year)																			
80		2051	Peak Flow		313.96		(l/s)																			
81			Probable Annual		4,473,089		(m3/year)																			
82	Medium Growth	2011	Peak Flow		341.88		(l/s)																			
83			Probable Annual		4,871,018		(m3/year)																			
84		2021	Peak Flow		350.66		(l/s)																			
85			Probable Annual		4,996,004		(m3/year)																			
86		2051	Peak Flow		374.45		(l/s)																			
87			Probable Annual		5,335,009		(m3/year)																			
88	High Growth	2011	Peak Flow		341.88		(l/s)																			
89			Probable Annual		4,871,018		(m3/year)																			
90		2021	Peak Flow		349.70		(l/s)																			
91			Probable Annual		4,996,004		(m3/year)																			
92		2051	Peak Flow		412.48		(l/s)																			
93			Probable Annual		5,876,769		(m3/year)																			
94																										
95																										
96																										
97																										
98	Note that industrial & commercial stated above is only for independently consented operations NOT on town supply.																									
99	Large Commercial is more or less indistinguishable from Industrial (ie small operations are likely to occur in townships)																									