

# Waitaki at Aviemore Dam

M:\22163\Data Tables\8724\[Waitaki at Aviemore Dam.xls]Summary

All values are flows in cubic metres per second

Date: 13/12/04

Site No.8724

Version: 1

Catchment Area (km<sup>2</sup>)

**9665**

Data period

**1968 - 2004**

## Low Flow Statistics (Provided by Environment Canterbury, 2004)

Mean Annual Low Flow (MALF) (m<sup>3</sup>/s) Not Available  
 5 Year Low Flow (m<sup>3</sup>/s) Not Available  
 10 Year Low Flow (m<sup>3</sup>/s) Not Available

## Monthly Statistics

### Full Record Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Means
90% Highest (m <sup>3</sup> /s)	490	466	536	468	419	400	413	419	443	405	491	515	415
<b>Mean Flow (m<sup>3</sup>/s)</b>	<b>379</b>	<b>378</b>	<b>401</b>	<b>360</b>	<b>333</b>	<b>316</b>	<b>340</b>	<b>350</b>	<b>365</b>	<b>342</b>	<b>356</b>	<b>360</b>	<b>357</b>
Median Flow (m <sup>3</sup> /s)	360	368	378	352	321	314	375	363	358	347	341	318	365
10% Lowest (m <sup>3</sup> /s)	272	280	310	248	264	226	232	253	275	250	260	248	285

### 1980 - 2003 Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Means
90% Highest (m <sup>3</sup> /s)	612	469	559	449	409	406	412	444	443	408	498	520	416
<b>Mean Flow (m<sup>3</sup>/s)</b>	<b>407</b>	<b>403</b>	<b>426</b>	<b>368</b>	<b>348</b>	<b>316</b>	<b>348</b>	<b>357</b>	<b>367</b>	<b>350</b>	<b>371</b>	<b>371</b>	<b>369</b>
Median Flow (m <sup>3</sup> /s)	360	403	389	373	345	305	377	372	379	351	346	313	369
10% Lowest (m <sup>3</sup> /s)	279	320	349	293	288	222	263	259	281	296	289	266	316

## Seasonal Statistics

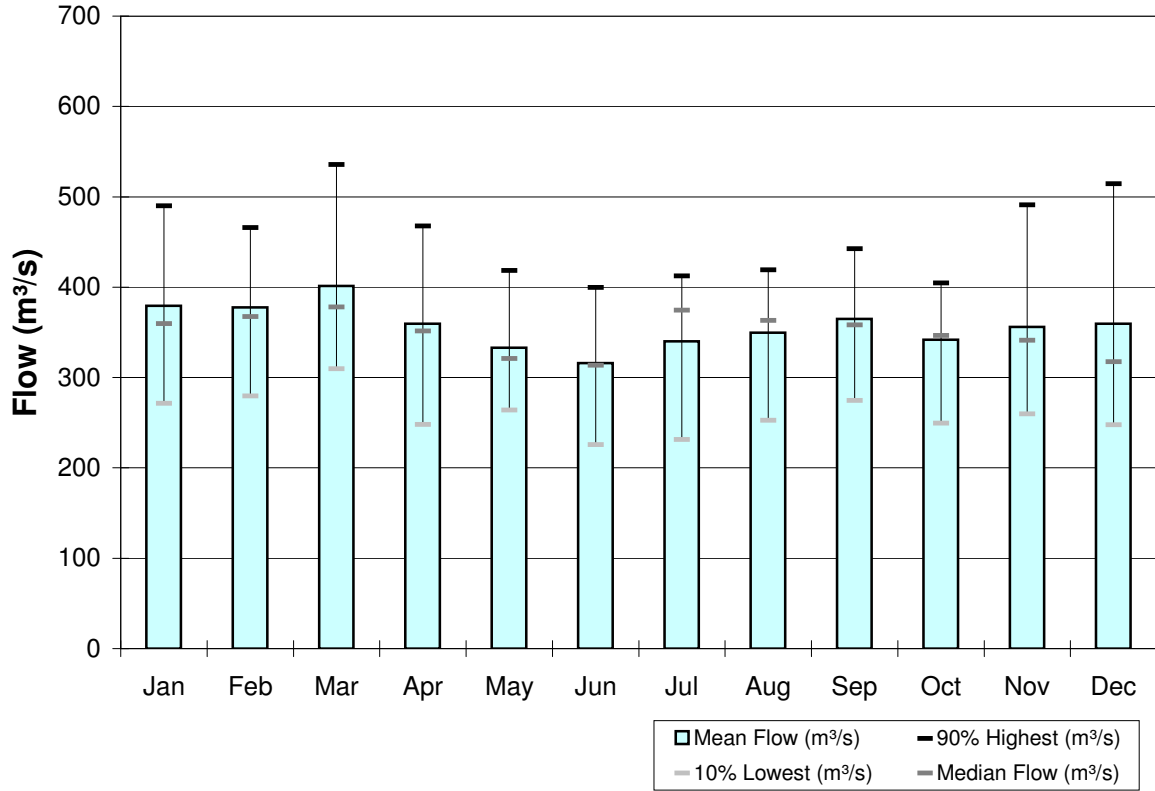
### Full Record Statistics

	Summer	Autumn	Winter	Spring	
90% Highest (m <sup>3</sup> /s)	470	447	399	430	Summer = Dec, Jan, Feb Autumn = Mar, Apr, May Winter = Jun, Jul, Aug Spring = Sep, Oct, Nov
Mean Flow (m <sup>3</sup> /s)	<b>372</b>	<b>365</b>	<b>336</b>	<b>353</b>	
Median Flow (m <sup>3</sup> /s)	355	366	352	351	
10% Lowest (m <sup>3</sup> /s)	277	283	243	272	

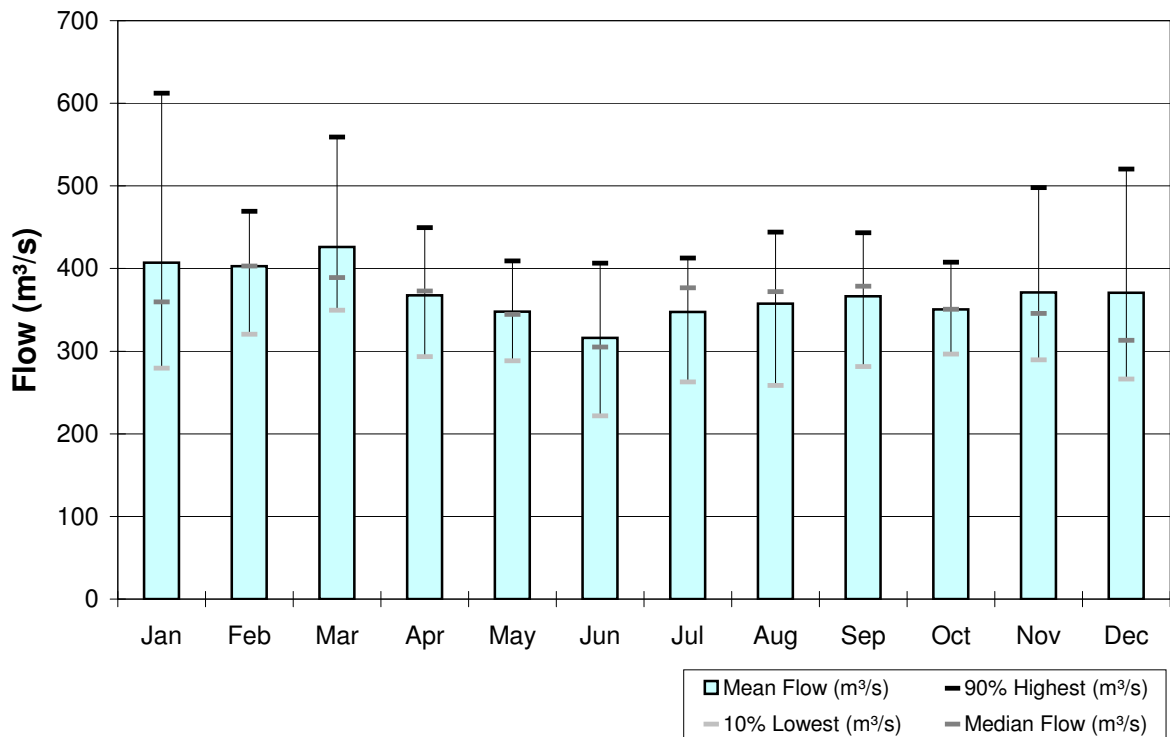
### 1980 - 2003 Statistics

	Summer	Autumn	Winter	Spring
90% Highest (m <sup>3</sup> /s)	546	450	400	431
Mean Flow (m <sup>3</sup> /s)	<b>397</b>	<b>381</b>	<b>341</b>	<b>363</b>
Median Flow (m <sup>3</sup> /s)	360	366	358	367
10% Lowest (m <sup>3</sup> /s)	311	314	235	298

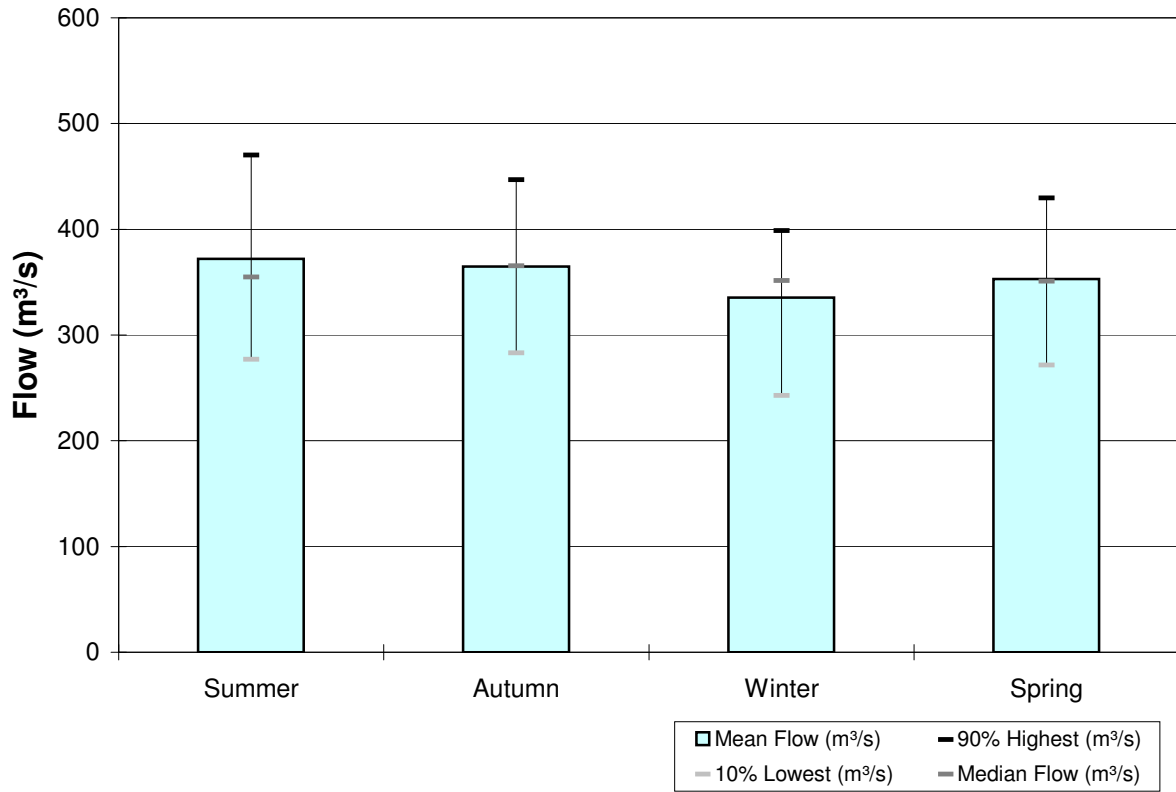
**SITE 8724 Waitaki at Aviemore Dam - MONTHLY FLOWS  
FULL RECORD (Oct 1968 - Sep 2003)**



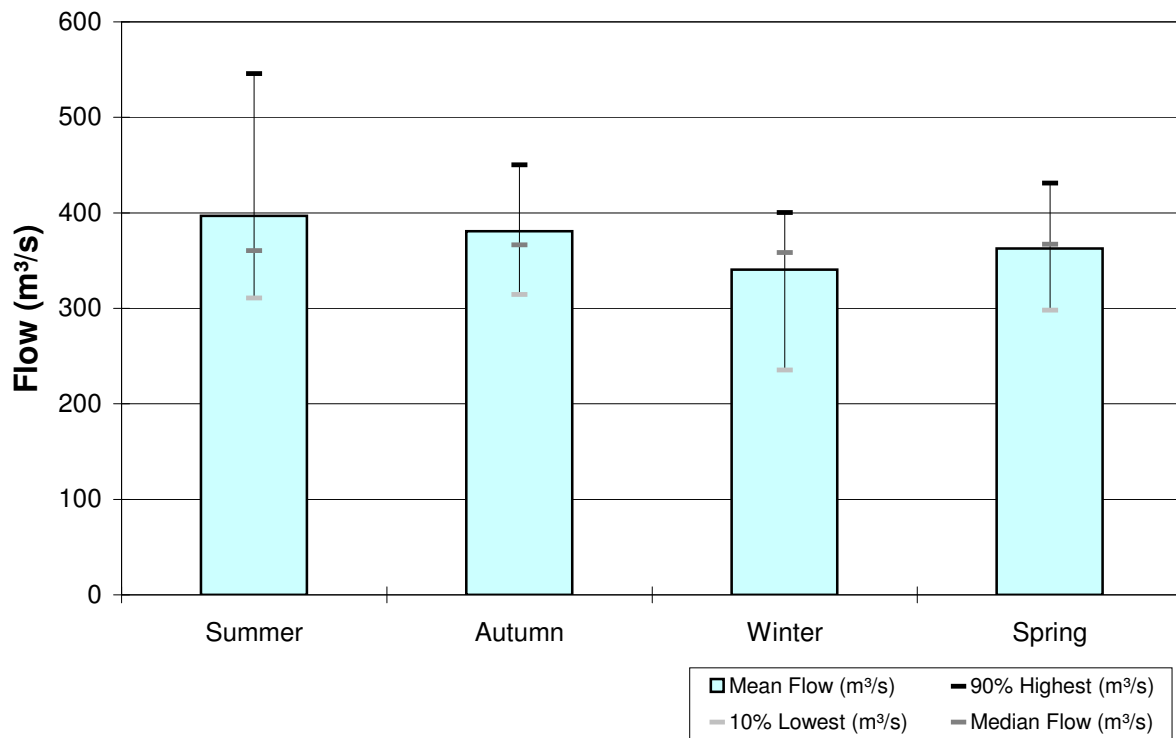
**SITE 8724 Waitaki at Aviemore Dam - MONTHLY FLOWS  
JAN 1980 - DEC 2003**



**SITE 8724 Waitaki at Aviemore Dam - SEASONAL FLOWS  
FULL RECORD (Oct 1968 - Sep 2003)**



**SITE 8724 Waitaki at Aviemore Dam - SEASONAL FLOWS  
JAN 1980 - DEC 2003**



All values are flows in cubic metres per second

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1968	?	?	?	?	?	?	?	?	?	382	459	467	?
1969	419	311	375	371	295	314	259	267	412	364	340	319	337
1970	387	436	432	362	306	269	244	341	715	572	512	524	424
1971	295	288	319	263	258	325	354	230	277	305	261	238	284
1972	418	353	404	294	298	343	303	346	359	325	462	416	360
1973	381	372	300	273	270	292	361	305	254	307	450	274	320
1974	423	347	385	479	273	313	180	327	283	236	245	325	318
1975	327	363	461	706	426	320	412	405	333	289	258	407	392
1976	371	296	227	205	192	309	390	361	313	232	265	246	284
1977	189	271	206	223	245	210	193	257	322	194	167	132	217
1978	123	236	337	209	306	401	383	365	344	345	199	190	287
1979	271	232	243	435	495	386	432	416	385	341	289	505	370
1980	772	519	347	341	412	388	417	402	326	348	451	308	419
1981	324	442	591	376	328	419	413	481	409	317	328	276	392
1982	273	306	604	379	331	350	406	341	307	302	352	310	355
1983	356	344	355	396	463	449	484	341	357	441	611	631	436
1984	478	463	425	336	336	288	374	454	383	339	291	536	392
1985	735	376	369	233	298	284	386	376	374	387	290	285	367
1986	268	254	364	334	330	356	378	368	412	393	346	346	346
1987	345	373	535	483	368	410	411	365	389	372	291	343	391
1988	363	352	356	381	310	235	266	320	375	362	529	484	361
1989	294	436	529	433	402	360	404	418	246	329	289	296	369
1990	298	335	363	276	314	381	382	396	441	442	422	363	368
1991	272	469	405	415	383	344	378	319	382	375	362	330	369
1992	323	348	375	325	353	183	136	162	217	218	266	284	265
1993	307	357	402	309	252	278	404	480	444	349	317	262	347
1994	459	435	513	369	291	293	325	420	492	310	508	395	400
1995	401	451	376	456	425	296	307	386	414	373	342	1014	437
1996	659	608	480	434	377	294	385	382	311	348	345	306	410
1997	426	415	341	291	280	270	287	359	388	315	298	289	330
1998	297	421	569	482	378	358	331	312	346	373	474	333	389
1999	416	469	398	298	364	314	375	397	390	294	412	258	365
2000	409	391	441	421	391	398	338	388	468	397	380	380	400
2001	502	315	380	327	387	216	276	179	272	263	289	305	310
2002	444	455	344	307	287	241	261	283	352	412	380	316	339
2003	354	333	361	421	293	185	219	248	303	352	336	249	304
2004	280	423	536	301	271	309	389	394	342	?	?	?	?