

# Lake Ohau Inflow

M:\22163\Data Tables\8760\[Lake Ohau Inflow.xls]Summary

All values are flows in cubic metres per second

Date: 13/12/04

Site No.8760

Version: 1

Catchment Area (km<sup>2</sup>) **1190**  
 Data period **1926 - 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)	164	157	130	127	112	83	63	67	97	141	162	170	98
<b>Mean Flow (m<sup>3</sup>/s)</b>	<b>114.5</b>	<b>96.6</b>	<b>84.6</b>	<b>80.4</b>	<b>69.4</b>	<b>55.4</b>	<b>42.7</b>	<b>45.6</b>	<b>59.5</b>	<b>92.9</b>	<b>111.6</b>	<b>124.3</b>	<b>81.4</b>
Median Flow (m <sup>3</sup> /s)	104	87	80	73	66	52	39	40	53	86	105	115	79
10% Lowest (m <sup>3</sup> /s)	74	62	52	43	36	33	28	25	29	51	73	87	66

### 1980 - 2003 Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Means
90% Highest (m <sup>3</sup> /s)	162.1	118.9	132.8	104.6	89.5	95.2	65.8	68.5	101.2	158.4	174.7	183.7	96.7
<b>Mean Flow (m<sup>3</sup>/s)</b>	<b>118.9</b>	<b>85.7</b>	<b>85.9</b>	<b>74.0</b>	<b>66.0</b>	<b>64.9</b>	<b>46.1</b>	<b>51.9</b>	<b>60.9</b>	<b>97.0</b>	<b>110.2</b>	<b>134.0</b>	<b>83.0</b>
Median Flow (m <sup>3</sup> /s)	106.3	83.4	83.7	69.1	62.4	61.3	44.4	52.2	52.3	90.4	95.5	126.5	81.5
10% Lowest (m <sup>3</sup> /s)	77.9	63.0	50.0	43.1	42.0	36.0	28.8	30.1	29.9	47.4	69.3	89.9	72.4

## Seasonal Statistics

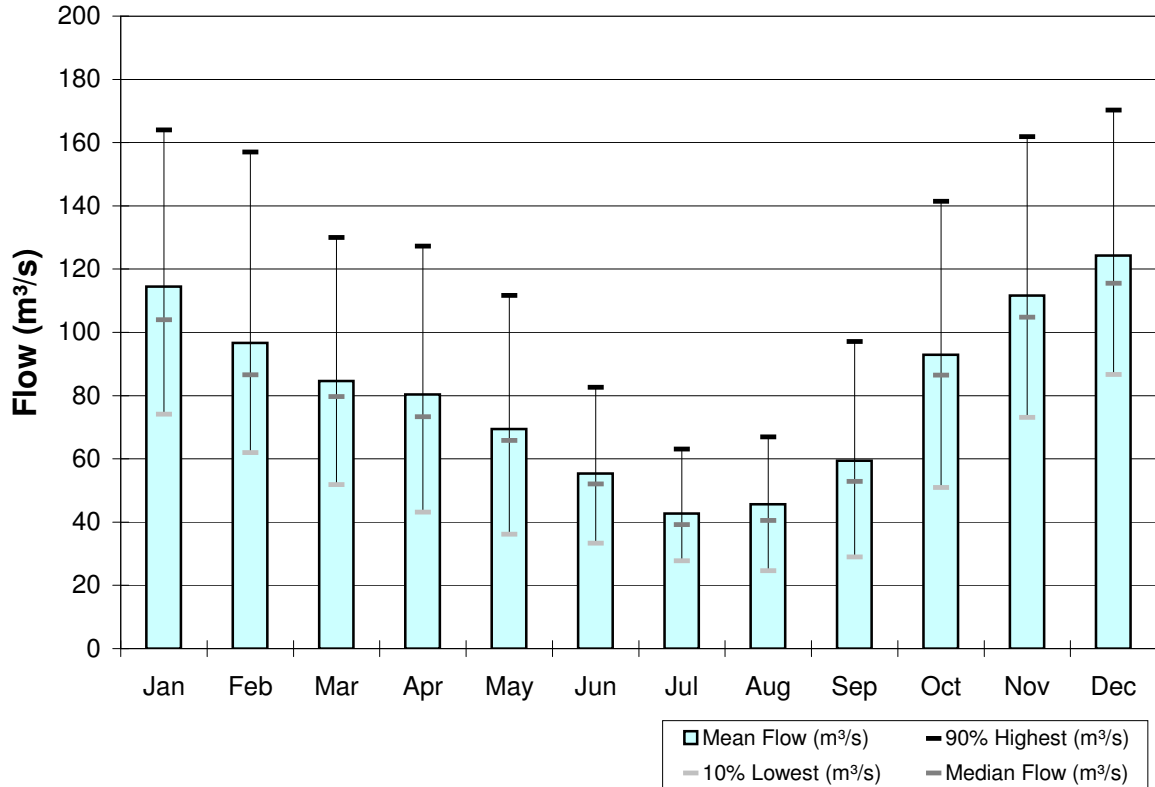
### Full Record Statistics

	Summer	Autumn	Winter	Spring	
90% Highest (m <sup>3</sup> /s)	145.0	106.5	64.5	122.0	Summer = Dec, Jan, Feb Autumn = Mar, Apr, May Winter = Jun, Jul, Aug Spring = Sep, Oct, Nov
<b>Mean Flow (m<sup>3</sup>/s)</b>	<b>111.7</b>	<b>78.5</b>	<b>47.4</b>	<b>87.9</b>	
Median Flow (m <sup>3</sup> /s)	109.8	73.8	46.0	86.3	
10% Lowest (m <sup>3</sup> /s)	82.3	51.2	33.8	62.9	

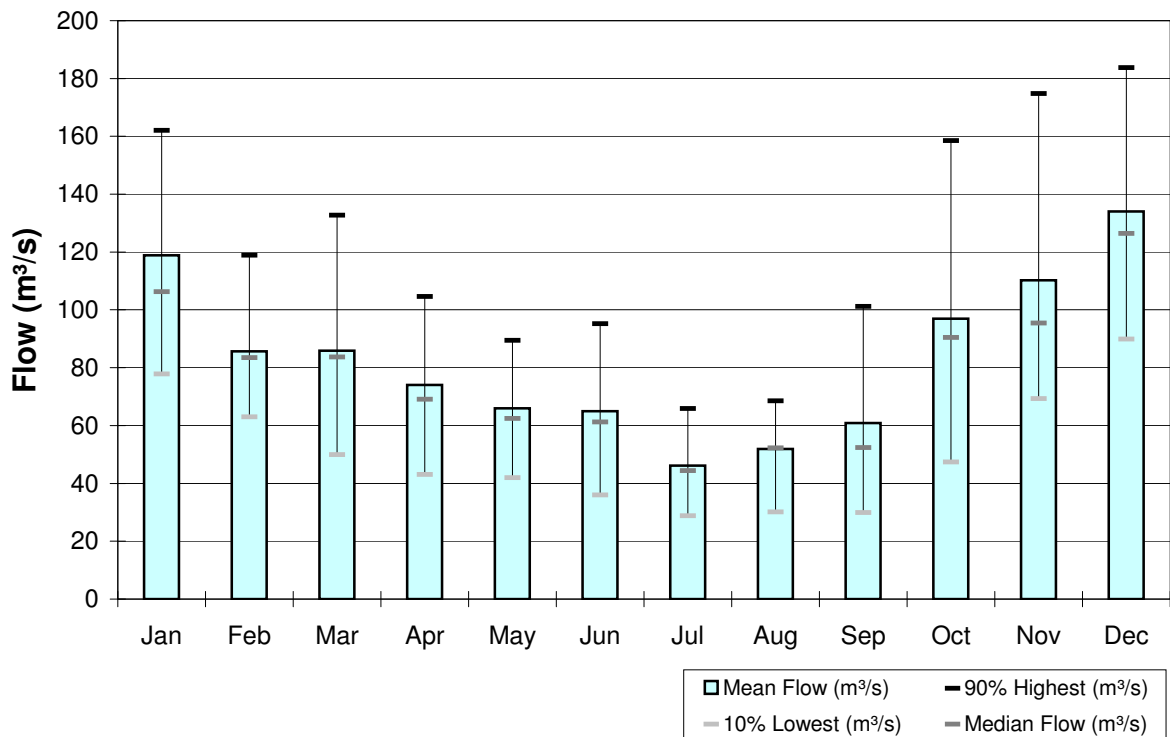
### 1980 - 2003 Statistics

	Summer	Autumn	Winter	Spring
90% Highest (m <sup>3</sup> /s)	157.8	99.2	70.0	123.0
<b>Mean Flow (m<sup>3</sup>/s)</b>	<b>113.7</b>	<b>76.4</b>	<b>53.0</b>	<b>89.4</b>
Median Flow (m <sup>3</sup> /s)	112.5	77.0	53.2	89.5
10% Lowest (m <sup>3</sup> /s)	77.0	51.3	38.8	65.7

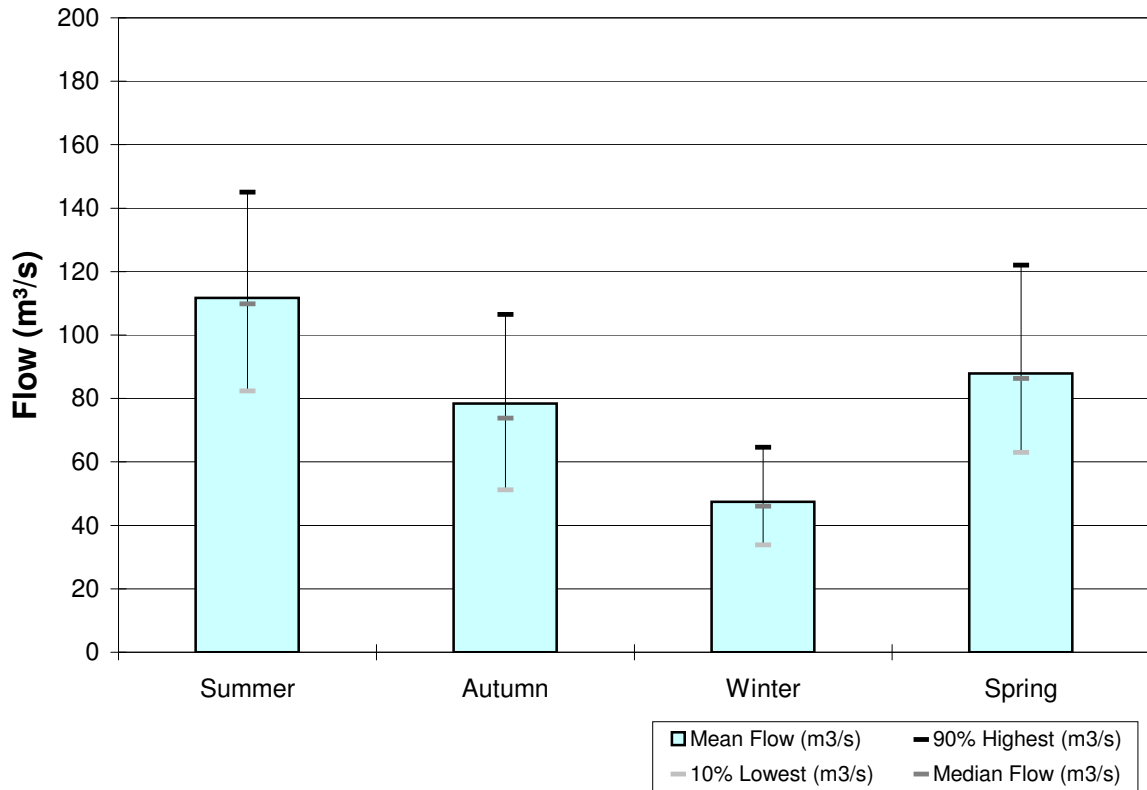
**SITE 8760 Lake Ohau Inflow - MONTHLY FLOWS  
FULL RECORD (Nov 1926 - Sep 2004)**



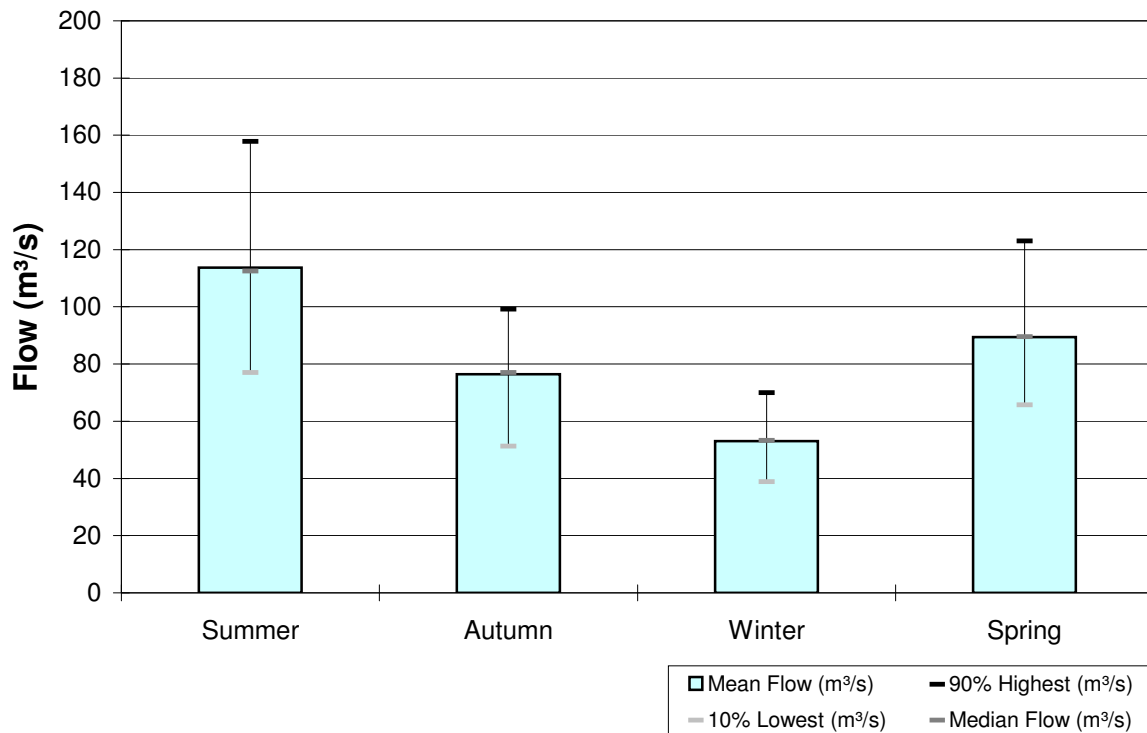
**SITE 8760 Lake Ohau Inflow - MONTHLY FLOWS  
JAN 1980 - DEC 2003**



**SITE 8760 Lake Ohau Inflow - MONTHLY FLOWS  
FULL RECORD (Nov 1926 - Sep 2004)**



**SITE 8760 Lake Ohau Inflow - MONTHLY 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
1926	?	?	?	?	?	?	?	?	?	?	148	153	?
1927	150	123	114	91	81	35	22	25	19	80	88	102	77
1928	98	78	66	189	100	47	34	27	53	179	144	117	94
1929	213	76	80	48	33	117	39	43	72	75	119	149	89
1930	148	86	54	33	30	29	16	20	38	74	77	84	57
1931	187	188	76	73	36	50	38	30	32	101	83	102	82
1932	98	91	51	53	45	35	20	18	29	72	107	91	59
1933	94	164	111	148	93	42	78	73	40	78	77	117	93
1934	105	79	62	112	102	59	39	58	65	146	83	83	83
1935	140	94	85	68	69	53	25	38	23	61	71	104	69
1936	71	81	63	93	52	28	38	60	57	157	148	112	80
1937	110	95	68	114	68	45	27	27	35	42	65	90	65
1938	142	90	96	135	56	55	34	54	67	84	98	122	86
1939	69	74	59	44	58	68	38	24	56	61	104	109	64
1940	129	160	129	83	90	58	29	23	33	108	94	94	86
1941	86	98	72	69	51	68	49	25	25	32	115	105	66
1942	107	75	90	166	131	45	64	35	56	192	130	132	102
1943	95	121	90	81	49	36	36	24	55	87	106	111	74
1944	99	144	109	131	66	42	49	41	42	86	131	115	88
1945	226	177	143	104	53	32	29	56	105	75	207	142	112
1946	144	156	86	51	43	32	32	64	102	137	76	134	88
1947	95	85	55	32	33	37	35	35	51	123	99	124	67
1948	91	63	72	50	34	53	50	31	55	113	190	137	78
1949	100	182	107	103	78	49	63	51	37	139	89	95	91
1950	164	72	56	43	82	53	59	52	72	65	76	139	78
1951	87	63	50	93	46	30	80	42	67	98	152	132	78
1952	124	181	74	53	78	50	32	20	45	97	83	111	79
1953	70	70	70	125	95	54	40	48	66	41	161	142	82
1954	103	126	96	57	38	58	43	35	32	60	114	101	72
1955	80	184	83	54	120	76	34	47	69	67	72	105	82
1956	76	70	41	110	85	86	57	46	43	74	128	130	79
1957	100	81	69	103	113	40	51	29	27	103	177	280	98
1958	185	244	141	112	147	77	33	35	31	109	109	178	116
1959	89	68	61	56	37	58	28	22	68	59	134	126	67
1960	122	95	78	44	64	50	47	61	85	73	76	67	72
1961	53	74	83	97	43	50	55	54	44	111	121	91	73
1962	98	58	52	29	72	52	74	53	57	98	118	80	70
1963	69	88	84	46	66	53	29	37	76	67	72	65	63
1964	106	61	83	48	98	35	42	39	44	67	86	115	69
1965	164	87	88	48	43	46	28	27	42	68	141	138	77
1966	172	121	75	85	35	40	28	32	36	53	92	112	73
1967	143	114	165	166	80	32	68	106	40	71	149	185	110
1968	114	109	123	66	127	50	34	65	74	133	117	120	94
1969	112	73	76	81	54	36	28	34	178	60	79	147	80
1970	115	75	80	72	31	39	43	108	250	104	135	129	98
1971	71	52	48	42	52	67	31	28	62	125	97	115	66
1972	91	50	95	72	74	34	40	31	111	91	170	106	80
1973	81	55	48	96	86	63	29	33	40	112	163	73	73
1974	56	100	89	92	40	36	52	32	35	77	119	106	69
1975	82	87	114	176	111	59	52	82	67	98	115	100	95
1976	100	64	66	41	68	83	33	29	27	41	52	142	62
1977	120	101	74	62	55	47	41	23	32	61	83	88	65
1978	99	60	78	98	119	61	43	97	92	119	108	94	89
1979	95	99	146	114	134	55	39	36	69	123	118	243	106
1980	161	99	78	97	76	61	37	60	79	97	100	116	88
1981	78	89	142	81	66	73	40	28	33	106	74	117	77
1982	143	86	112	41	89	49	25	40	50	39	184	141	83
1983	177	64	94	88	110	50	49	58	82	164	154	122	101
1984	129	83	95	52	44	36	62	63	44	111	140	258	93
1985	162	59	44	56	52	51	49	62	54	48	103	133	73
1986	106	97	108	86	55	86	39	43	44	85	81	91	77
1987	134	124	133	103	90	99	33	38	53	123	94	90	93
1988	76	84	67	49	50	64	67	66	104	180	145	134	90

<b>1989</b>	94	81	124	52	43	71	44	36	25	44	83	188	<b>74</b>
<b>1990</b>	102	66	84	64	128	64	55	60	28	84	82	175	<b>83</b>
<b>1991</b>	114	138	47	93	36	36	23	105	95	79	66	96	<b>77</b>
<b>1992</b>	96	88	58	43	33	16	39	65	29	89	117	92	<b>64</b>
<b>1993</b>	117	78	63	58	69	128	51	36	37	114	58	90	<b>75</b>
<b>1994</b>	266	76	96	62	61	58	51	54	55	47	209	131	<b>97</b>
<b>1995</b>	123	81	135	116	64	45	34	49	151	121	108	291	<b>110</b>
<b>1996</b>	105	107	84	137	80	53	28	28	52	156	86	95	<b>84</b>
<b>1997</b>	78	98	61	105	53	33	32	70	36	71	126	138	<b>75</b>
<b>1998</b>	107	126	132	102	58	67	94	61	73	160	79	84	<b>95</b>
<b>1999</b>	70	67	84	79	81	55	48	30	43	92	212	63	<b>77</b>
<b>2000</b>	92	68	45	74	76	131	76	50	90	121	68	157	<b>87</b>
<b>2001</b>	89	63	58	43	43	61	34	42	37	68	87	168	<b>66</b>
<b>2002</b>	140	49	64	54	42	87	45	71	109	66	93	139	<b>80</b>
<b>2003</b>	96	87	57	42	86	83	53	31	60	67	97	109	<b>72</b>
<b>2004</b>	138	124	115	49	90	75	45	50	53	?	?	?	<b>?</b>

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