

Ahuriri River at Sth Diadem

M:\22163\Data Tables\71116\[Ahuriri River at Sth Diadem.xls]Summary

All values are flows in cubic metres per second

Date: 13/12/04

Site No.71116

Version: 1

Catchment Area (km²)

557

Data period

1963 - 2004

Low Flow Statistics (Provided by Environment Canterbury, 2004)

Mean Annual Low Flow (MALF) (m ³ /s)	8.99
5 Year Low Flow (m ³ /s)	7.55
10 Year Low Flow (m ³ /s)	7.15

Monthly Statistics

Full Record Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Means
90% Highest (m ³ /s)	42.0	27.9	34.3	31.1	33.3	26.6	20.6	28.9	41.4	46.9	46.7	46.8	29.0
Mean Flow (m³/s)	27.5	19.3	21.5	20.2	20.8	19.5	14.9	17.8	23.4	31.4	33.3	33.7	23.6
Median Flow (m ³ /s)	25.3	19.0	18.0	17.1	19.0	17.7	14.2	15.4	18.1	30.5	30.9	30.7	23.2
10% Lowest (m ³ /s)	17.2	11.3	12.0	11.7	12.0	11.0	9.8	9.2	11.3	17.3	21.7	20.3	18.4

1980 - 2003 Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Means
90% Highest (m ³ /s)	43.5	28.0	33.2	30.7	26.8	33.3	21.4	27.0	36.6	49.4	53.8	48.9	30.1
Mean Flow (m³/s)	29.2	19.8	21.8	20.2	19.9	22.0	16.6	19.2	22.7	33.1	34.1	35.3	24.5
Median Flow (m ³ /s)	25.8	18.9	19.0	17.8	18.3	19.5	15.4	20.4	18.1	32.3	28.7	31.0	23.3
10% Lowest (m ³ /s)	18.2	13.5	12.2	12.0	11.7	12.3	10.0	10.8	11.9	17.5	22.5	21.4	19.3

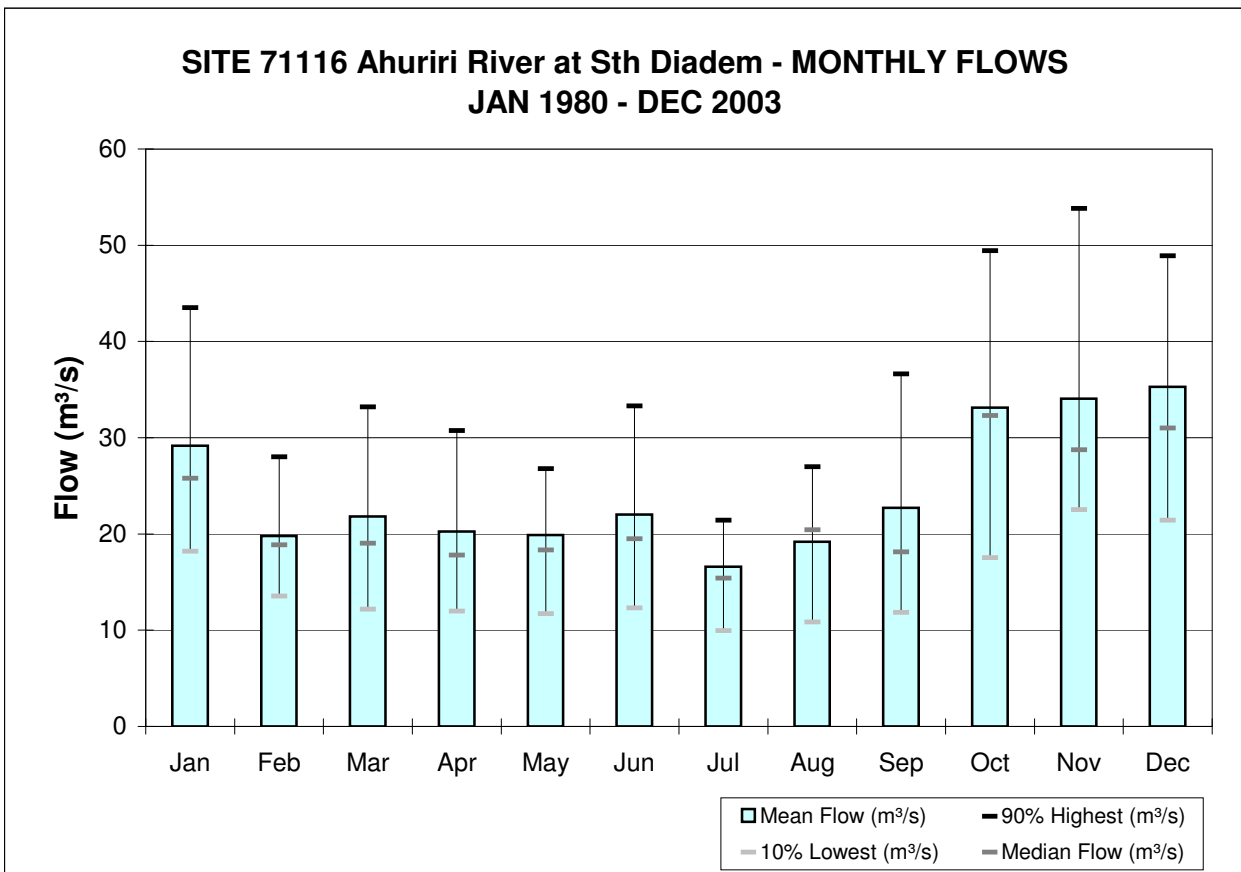
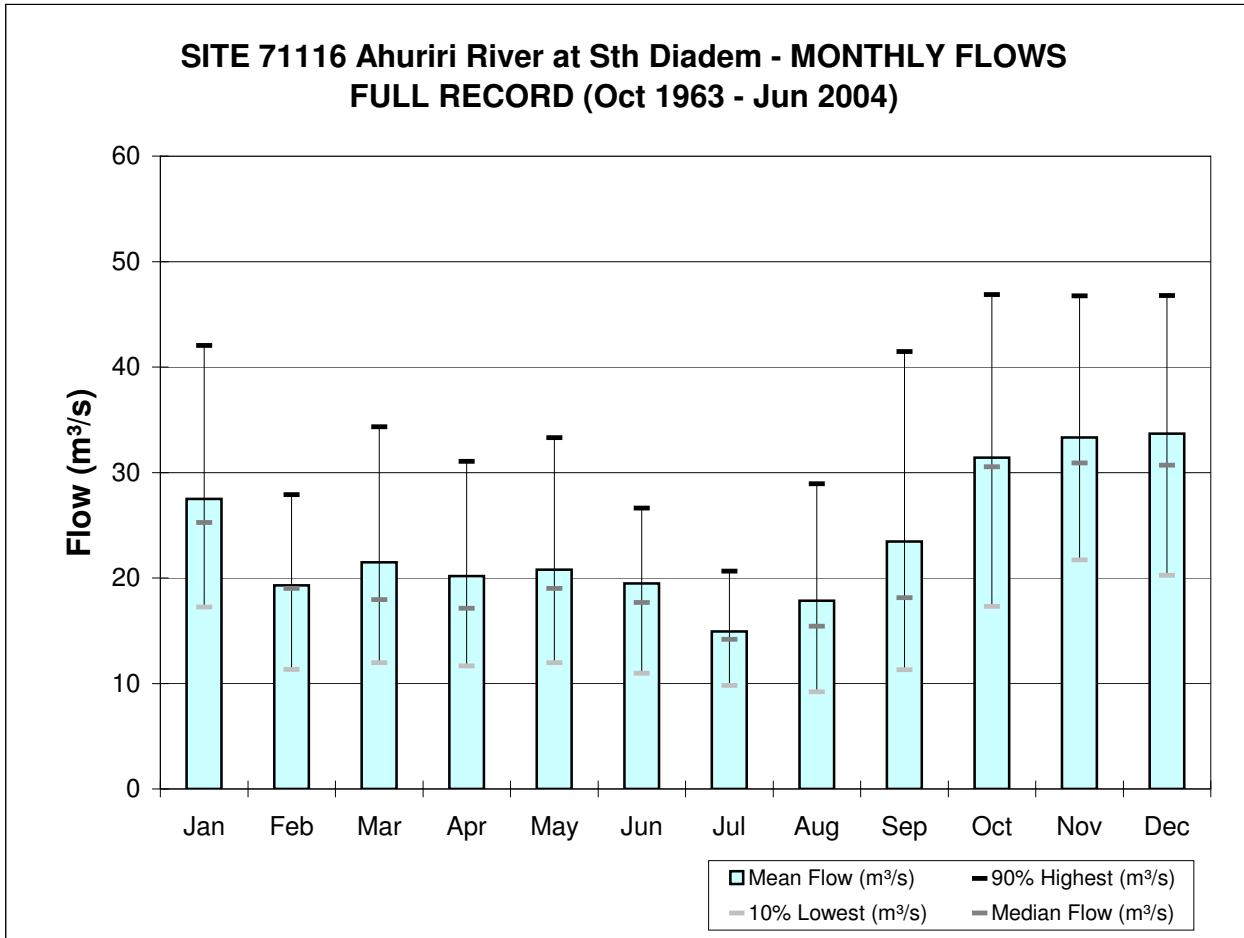
Seasonal Statistics

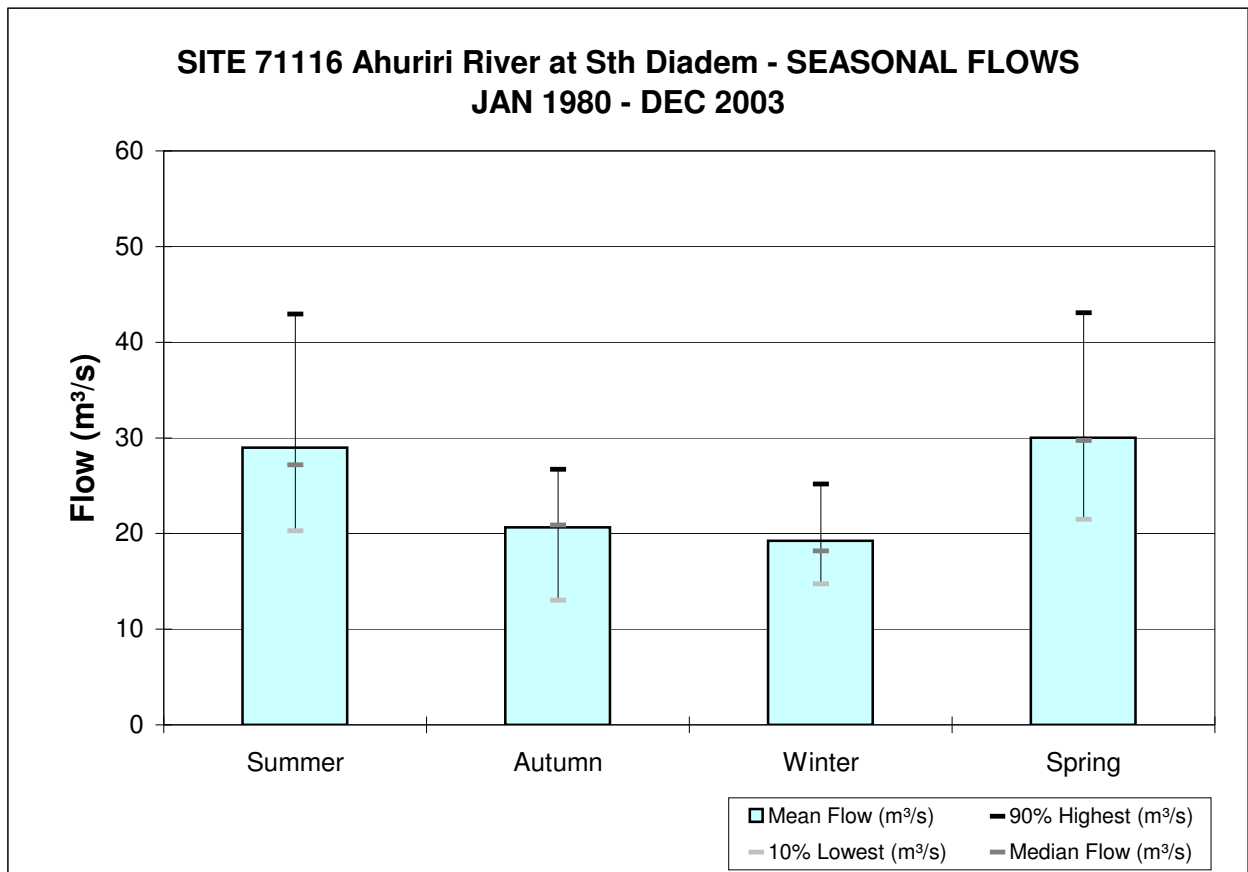
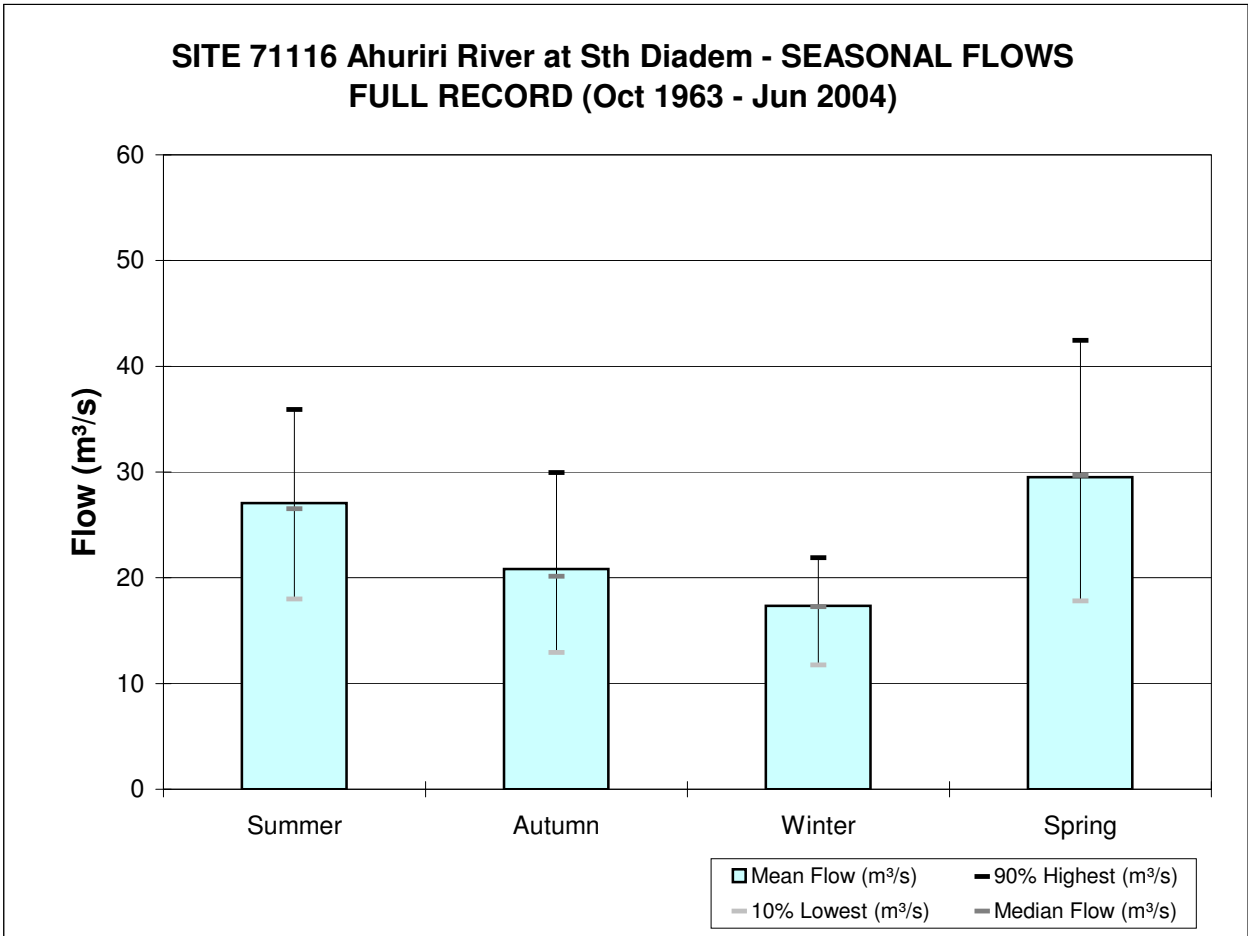
Full Record Statistics

	Summer	Autumn	Winter	Spring	
90% Highest (m ³ /s)	35.9	29.9	21.9	42.4	Summer = Dec, Jan, Feb Autumn = Mar, Apr, May Winter = Jun, Jul, Aug Spring = Sep, Oct, Nov
Mean Flow (m ³ /s)	27.1	20.8	17.3	29.5	
Median Flow (m ³ /s)	26.5	20.1	17.3	29.7	
10% Lowest (m ³ /s)	18.0	12.9	11.8	17.8	

1980 - 2003 Statistics

	Summer	Autumn	Winter	Spring
90% Highest (m ³ /s)	42.9	26.7	25.2	43.1
Mean Flow (m ³ /s)	29.0	20.7	19.2	30.0
Median Flow (m ³ /s)	27.2	20.9	18.2	29.7
10% Lowest (m ³ /s)	20.3	13.0	14.7	21.5





All values are flows in cubic metres per second

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	?	?	?	?	?	?	?	?	?	30.42	23.40	18.75	?
1964	24.00	10.52	16.79	11.23	29.36	11.07	10.90	11.58	16.26	23.65	27.76	33.43	18.95
1965	51.21	21.82	20.07	13.97	14.13	15.54	10.94	10.05	14.64	24.37	41.98	34.14	22.76
1966	41.56	23.96	15.46	20.87	11.95	10.66	8.82	9.12	11.35	14.57	21.69	20.95	17.55
1967	25.90	25.03	37.09	45.82	25.71	10.96	18.45	32.23	13.62	20.22	39.45	46.77	28.48
1968	27.27	22.96	35.88	17.13	36.41	15.33	9.80	22.49	27.47	44.99	39.50	37.89	28.16
1969	27.62	16.29	17.95	15.55	14.64	9.33	9.71	11.22	53.03	20.58	20.86	42.61	21.63
1970	26.08	16.10	14.01	14.42	8.37	11.29	15.34	31.77	68.46	36.87	38.54	30.67	26.00
1971	15.82	11.02	12.69	13.67	15.36	22.79	10.78	9.21	20.88	45.76	33.10	32.94	20.39
1972	19.21	11.31	17.89	15.70	21.87	13.16	13.71	10.89	45.34	34.48	46.73	26.26	23.03
1973	17.23	11.35	9.44	18.77	22.53	18.30	10.10	10.07	12.78	33.14	44.83	16.22	18.74
1974	12.58	24.29	23.99	22.82	12.28	11.49	15.68	10.77	14.77	19.16	29.68	20.25	18.08
1975	20.40	25.30	28.90	45.81	36.30	20.98	16.68	24.25	22.85	28.46	30.91	21.93	26.88
1976	17.63	12.75	11.33	9.01	16.61	22.55	10.61	9.57	9.61	14.68	17.30	35.19	15.60
1977	31.81	19.87	13.67	13.45	17.14	14.14	11.61	7.76	9.79	17.54	22.56	20.77	16.67
1978	18.35	11.16	12.76	18.76	30.35	19.76	13.06	31.03	30.49	43.19	34.95	23.79	24.05
1979	18.53	20.67	34.25	30.52	33.28	15.82	12.54	11.55	21.18	40.85	35.94	71.86	29.02
1980	44.13	27.90	22.66	31.05	23.83	26.00	15.11	24.97	30.94	33.88	38.78	30.58	29.13
1981	17.53	16.27	34.32	24.07	22.92	25.64	14.68	11.94	13.65	35.47	22.46	28.51	22.35
1982	26.32	18.74	24.36	11.65	27.58	16.37	9.16	14.43	18.32	17.30	56.11	40.01	23.37
1983	46.78	16.46	17.89	23.39	36.21	18.07	19.57	27.84	32.55	57.57	48.41	35.34	31.81
1984	34.82	20.90	29.48	15.62	16.13	11.87	19.93	22.76	17.16	40.95	38.29	73.90	28.61
1985	42.04	15.19	11.80	13.37	14.78	15.34	15.56	23.36	22.89	18.10	30.26	31.41	21.23
1986	25.25	24.11	32.70	20.85	16.33	30.38	14.20	16.03	16.72	30.53	23.70	21.51	22.68
1987	29.40	28.90	43.87	33.75	24.89	34.56	12.55	14.01	16.79	40.56	26.77	21.38	27.27
1988	16.13	19.99	17.71	14.03	12.35	17.14	20.85	21.58	35.08	59.07	41.89	30.17	25.51
1989	19.77	17.19	31.55	15.17	13.55	23.07	14.15	10.65	8.34	12.10	16.18	38.62	18.40
1990	24.37	12.55	20.04	15.17	40.74	23.69	18.58	20.99	12.15	27.24	22.60	39.66	23.29
1991	23.70	32.40	11.95	26.58	13.17	10.68	7.50	34.99	36.86	32.41	23.06	24.83	23.18
1992	20.86	17.34	13.70	12.76	11.17	7.74	15.46	22.89	10.67	32.20	40.13	22.80	19.00
1993	28.19	18.99	14.16	16.35	22.57	44.79	20.61	14.82	14.16	37.01	18.04	28.69	23.23
1994	73.21	21.86	26.65	17.21	19.73	19.78	21.65	21.78	21.51	20.22	63.37	39.10	30.58
1995	28.68	16.23	30.75	27.86	17.09	14.86	10.29	18.61	56.39	46.85	38.92	78.54	32.19
1996	26.70	23.20	21.06	33.87	23.50	16.78	9.82	9.00	17.94	48.96	27.22	28.80	23.91
1997	23.43	23.83	17.98	27.63	16.66	13.32	11.36	28.70	14.75	26.15	37.42	35.85	23.09
1998	22.19	28.06	33.40	30.00	17.62	23.23	33.83	23.98	22.59	49.64	26.64	19.82	27.60
1999	13.02	10.41	16.93	24.37	22.04	17.67	17.46	11.30	17.24	23.66	71.61	19.41	22.07
2000	22.82	17.34	12.72	18.35	22.62	50.80	28.72	19.84	36.00	41.39	25.03	43.40	28.27
2001	26.79	14.15	11.09	10.13	11.40	19.23	12.35	13.74	11.73	17.30	24.79	51.23	18.72
2002	38.75	13.29	14.00	13.34	11.41	24.90	15.33	22.81	41.01	21.36	24.96	36.94	23.23
2003	24.83	19.47	12.94	9.38	19.01	22.70	19.87	9.21	19.96	25.27	31.04	26.15	19.98
2004	31.84	32.46	34.73	14.58	29.03	26.62	?	?	?	?	?	?	?