

+ BIOLOGICAL RIVER WATER QUALITY LEAGUE TABLE: MACROINVERTEBRATE COMMUNITY INDEX (MCI), % OF EPT TAXA (MAYFLIES, STONEFLIES AND CADDISFLIES), AND PERIPHYTON

STATE RANKINGS FOR AVERAGE MCI (2005-2007), AVERAGE % OF EPT TAXA (2005-2007), AND MEAN PERIPHYTON COVER (1990-2006) AT 66 SITES IN THE NATIONAL RIVER WATER QUALITY NETWORK (1=BEST, 66=WORST) (RANKS ARE BASED ON STANDARD SCORES)*

RIVER @ SITE WHERE THERE ARE TWO OR MORE SITES ON THE SAME RIVER, SITES FROM UPSTREAM TO DOWNSTREAM ARE LABELLED (A), (B), ETC.	REGION	AVERAGE MCI (2005-2007)	AVERAGE % OF EPT (2005-2007)	ANNUAL MEAN PERIPHYTON COVER [%] (1990-2006)	ANNUAL MAXIMUM PERIPHYTON COVER [%] (1990-2006)	OVERALL STATE RANKING
Hutt @ Kaitoke (A)	Wellington	136.8 (2)	97.0 (2)	0 (1=)	1 (2)	1
Ngaruroro @ Kuripapango (A)	Hawke's Bay	142.8 (1)	65.8 (24)	0 (1=)	3 (3)	2
Ruamahanga @ SH2 (A)	Wellington	126.0 (8)	85.4 (5)	0 (1=)	4 (4=)	3
Manganui @ SH3 (river joins Waitara upstream of Waitara @ Bertrand Rd)	Taranaki Region	130.6 (4)	75.6 (10)	1 (5=)	4 (4=)	4
Shotover @ Bowens Peak	Otago	124.4 (13)	78.5 (7)	1 (5=)	8 (9=)	5
Motueka @ Gorge (A)	Tasman	128.1 (5)	72.5 (16)	1 (5=)	10 (12=)	6
Mohaka @ Glenfalls (A)	Hawke's Bay	120.4 (15)	73.4 (15)	0 (1=)	0 (1)	7
Oreti @ Lumsden (A)	Southland	125.4 (9)	70.9 (19)	1 (5=)	8 (9=)	8
Wairau @ Dip Flat (A)	Marlborough	118.7 (17)	77.5 (8)	1 (5=)	8 (9=)	9
Buller @ Te Kuha (B)	West Coast	133.3 (3)	74.0 (13)	6 (26=)	24 (24=)	10
Kawarau @ Chards	Otago	103.8 (42)	90.8 (4)	1 (5=)	6 (8)	11
Mataura @ Parawa (A)	Southland	118.1 (19)	70.9 (20)	2 (13=)	13 (16)	12
Makaroro @ Burnt Br. (river joins Tukituki upstream of Tukituki @ Red Br.)	Hawke's Bay	125.3 (10)	36.0 (49)	1 (5=)	5 (7)	13
Waitaki @ Kurow (A)	Canterbury	103.9 (41)	93.4 (3)	5 (22=)	10 (12=)	14
Haast @ Roaring Billy	West Coast	126.6 (6)	42.6 (41)	4 (19=)	16 (18=)	15
Mohaka @ Raupunga (B)	Hawke's Bay	114.7 (23)	55.1 (31)	3 (18)	10 (12=)	16
Buller @ Longford (A)	Tasman	117.3 (20)	66.5 (23)	4 (19=)	24 (24=)	17
Waipapa @ Forest Ranger	Northland	112.7 (28)	54.4 (32)	2 (13=)	14 (17)	18
Waipa @ Otewa (A)	Waikato	118.9 (16)	36.1 (48)	2 (13=)	10 (12=)	19
Waikohu @ No. 1 Br. (river joins Waipoa upstream of Waipoa @ Kakananaia)	Gisborne	125.0 (11)	77.1 (9)	10 (39=)	38 (44)	20
Waimakariri @ Gorge (A)	Canterbury	102.7 (45)	74.8 (12)	2 (13=)	20 (20=)	21
Tarawera @ Lake outlet (A)	Bay of Plenty	100.0 (51)	98.6 (1)	7 (28=)	30 (32)	22
Hurunui @ Mandamus (A)	Canterbury	115.3 (22)	53.9 (33)	5 (22=)	35 (37=)	23
Sutton @ SH87 (river joins Taieri between Taieri A and B)	Otago	118.4 (18)	71.1 (17)	12 (45=)	36 (39)	24
Waitaki @ SH1 Br. (B)	Canterbury	94.4 (59)	47.9 (37)	1 (5=)	4 (4=)	25
Ruamahanga @ Wardells (B)	Wellington	113.9 (26)	63.5 (25)	8 (34=)	37 (40=)	26
Rangitikei @ Kakariki (B)	Manawatu-Wanganui	110.7 (32)	59.2 (27)	7 (28=)	31 (33=)	27
Opihi @ Rockwood (A)	Canterbury	108.1 (37)	69.5 (22)	7 (28=)	37 (40=)	28
Motu @ Waitangirua (A)	Gisborne	124.2 (14)	75.3 (11)	13 (47)	56 (55)	29
Opihi @ Waipopo (B)	Canterbury	111.3 (30)	70.5 (21)	10 (39=)	37 (40=)	30
Taieri @ Tiroiti (A)	Otago	107.3 (38)	79.0 (6)	12 (45=)	31 (33=)	31
Grey @ Waipuna (A)	West Coast	124.7 (12)	17.6 (57)	7 (28=)	27 (29)	32
Waingongoro @ SH45	Taranaki Region	97.5 (54)	59.9 (26)	5 (22=)	20 (20=)	33
Rangitikei @ Mangaweka (A)	Manawatu-Wanganui	109.5 (34)	52.7 (34)	8 (34=)	29 (31)	34
Waimakariri above old HW Br. (B)	Canterbury	102.3 (47)	38.6 (46)	2 (13=)	21 (22)	35
Ngaruroro @ Chesterhope (B)	Hawke's Bay	102.7 (46)	39.7 (44)	4 (19=)	22 (23)	36
Whirinaki @ Galatea (river joins Rangitaiki upstream of Rangitaiki A)	Bay of Plenty	126.5 (7)	57.5 (29)	17 (55=)	51 (49=)	37
Rangitaiki @ Murapara (A)	Bay of Plenty	115.6 (21)	45.6 (39)	14 (48=)	37 (40=)	38
Clutha @ Luggate Br. (A)	Otago	109.0 (35)	24.6 (53)	7 (28=)	26 (27=)	39
Grey @ Dobson (B)	West Coast	111.0 (31)	39.7 (45)	11 (42=)	35 (37=)	40
Whanganui @ Paetawa (B)	Manawatu-Wanganui	102.9 (43)	10.7 (61)	5 (22=)	16 (18=)	41
Motueka @ Woodstock (B)	Tasman	111.6 (29)	56.0 (30)	11 (42=)	60 (57)	42
Hakatakamea above MH Br. (river joins Waitaki downstream of Waitaki A)	Canterbury	114.1 (24)	73.8 (14)	20 (61)	55 (54)	43
Ruamahanga @ Waihenga (C)	Wellington	97.7 (53)	32.1 (50)	6 (26=)	28 (30)	44
Motu @ Houpoto (B)	Bay of Plenty	113.3 (27)	58.0 (28)	16 (53=)	53 (51=)	45
Oreti @ Riverton HW Br. (B)	Southland	102.7 (44)	31.9 (51)	11 (42=)	40 (45=)	46
Manawatu @ Weber Rd (A)	Manawatu-Wanganui	105.8 (39)	49.8 (35)	16 (53=)	51 (49=)	47
Waiau @ Tuatapere	Southland	96.7 (56)	25.5 (52)	9 (38)	33 (35=)	48
Manawatu @ Teachers Coll. (B)	Manawatu-Wanganui	89.2 (62)	22.3 (55)	7 (28=)	26 (27=)	49
Waitara @ Bertrand Rd	Taranaki Region	108.3 (36)	37.2 (47)	17 (55=)	49 (47)	50
Hurunui @ SH1 Br. (B)	Canterbury	100.5 (49)	12.9 (58)	8 (34=)	40 (45=)	51
Mataura @ Seaward Down (B)	Southland	92.9 (60)	70.9 (18)	18 (57=)	53 (51=)	52
Rangitaiki @ Te Teko (B)	Bay of Plenty	75.6 (66)	40.0 (43)	8 (34=)	25 (26)	53
Wairau @ Tuamarina (B)	Marlborough	101.5 (48)	45.4 (40)	15 (51=)	64 (61)	54
Taieri @ Outram (B)	Otago	104.9 (40)	22.3 (56)	15 (51=)	57 (56)	55
Tukituki @ Red Br.	Hawke's Bay	100.2 (50)	47.6 (38)	19 (60)	62 (58)	56
Waikato @ Hamilton Traffic Br. (B)	Waikato	79.1 (64)	9.1 (62)	10 (39=)	33 (35=)	57
Opuha @ Skipton Br. (river joins Opihi upstream of Opihi A)	Canterbury	96.2 (57)	11.8 (60)	18 (57=)	50 (48)	58
Waitangi @ Wakelins	Northland	92.4 (61)	8.4 (63)	14 (48=)	63 (59=)	59
Hutt @ Boulcott (B)	Wellington	99.6 (52)	2.6 (66)	18 (57=)	66 (62=)	60
Tongariro @ Turangi	Waikato	109.8 (33)	23.5 (54)	33 (63)	66 (62=)	61
Manawatu @ Opiki Br. (C)	Manawatu-Wanganui	78.5 (65)	8.1 (64)	14 (48=)	54 (53)	62
Whanganui @ Te Maire (A)	Manawatu-Wanganui	114.0 (25)	49.4 (36)	43 (66)	78 (65)	63
Clutha @ Millers Flat (B)	Otago	95.3 (58)	3.2 (65)	27 (62)	63 (59=)	64
Monowai below Gates (river joins Waiau upstream of Waiau @ Tuatapere)	Southland	97.2 (55)	12.4 (59)	38 (64)	74 (64)	65
Ohinemuri @ Karangahake	Waikato	86.3 (63)	42.0 (42)	42 (65)	80 (66)	66

*Standard score = $\frac{\text{value} - \text{median}}{\text{interquartile range}}$