Waterbug Observations 2023

Site	Date	Last Rain	Rain Volume	Air Temp	Water Temp	pH	EC	Water Flow	Water Colour	Odour	Litter Debris	Stream Width	Shading %	Riparian Vegetation	Density	Weeds	Bed Material Code	Water Code	Mayfly Types E	Stonefly Types P	Caddisfly Types T	Subtotal EPT Types	Other Types	Total Types	EPT Index	Weighted Index	Mayfly Counts	Stonefly Counts	Caddisfly Counts	Other Counts	Snail NZ Type NZ	Snail Bladder type P	Snail Unidentified U	Snail native types OZ	NZ+P	NZ+P+U+OZ	Snail Score	Observations
Charltons	14.10.201	<24 hours	medium		14	7	350	medium	clear	none	none	2	50	shrubs	dense	few	b1cgsm	prulwt	1	0	1	2	11	13	15%	2	1	0	1	30	0	0	2	0	0	2	0%	part sunny
Charltons	18.05.201	1-6 days	light	13	12.5	7	310	heavy	clear	none	none	3	40	shrubs	medium	few	bcgs	prulwt	2	0	1	3	4	7	43%	3	5	0	4	30	0	0	0	0	0	0		cloudy, 3 weeks > flood
Charltons	14.10.201	<24 hours	light	20	16	7	370	medium	clear	none	none	2	100	trees & shrub	dense	many	bbgsm	prulwwt	2	1	0	3	7	10	30%	5	12	4	0	19	0	0	0	0	0	0		light cloud
Charltons	13.04.201	1-6 days	light	18	17	7	360	very low	clear	none	none	2	70	Trees& grass	medium	many	bsm	prulwt	1	0	2	3	4	7	43%	3	18	0	7	20	0	0	1	0	0	1	0%	part sunny
Charltons	09.11.201	<24 hours	light	21	20	7	350	very low	clear	none	plastic bag	3	30	trees & shrub	dense	many	bcsm	prulwwt	2	1	2	5	5	10	50%	8	10	9	4	25	0	0	0	0	0	0		overcast
Charltons	18.05.201	1-6 days	light	15	13	7	340	medium	clear	none	none	3	70	trees & shrub	dense	many	bsm	pulwt	2	1	2	5	6	11	45%	8	7	2	3	27	0	0	0	0	0	0		sunny
Charltons	23.11.201	1-6 days	light	21	19	6.5	410	low	clear	none	none	2	90	trees & shrub	dense	many	bsm	prulwt	1	1	2	4	6	10	40%	6	41	4	4	28	0	4	0	0	4	4	100%	part sunny
Charltons	17.05.201	> 14 days	Light	13	12	7	830	Low	clear	none	none	1	70	trees & shrub	dense	Few	Bs	Prulwt	2	1	2	5	3	8	63%	6	239	2	12	57	0	0	1	0	0	1	0%	Sunny, partial shade
Charltons	06.12.201	<24 hours	light	18	16.5	7	440	Low	clear	none	none	2	80	trees & shrub	medium	Many	Bcgsm	prulwwt	1	0	3	4	8	12	33%	4	70	0	11	117	0	0	1	0	0	1	0%	Partial cloud, mainly shade
Charltons	16.04.201	>7 days	medium	20	16.5	7	320	Low	clear	none	none	2	70	trees & shrub	Dense	Many	Bsm	prulwt	2	3	2	7	5	12	58%	12	9	5	14	46	0	0	5	0	0	5	0%	Dappled sunlight
Charltons	1.11.2019	>7 days	light	25	19	7	310	Low	clear	none	none	2	75	trees & grass	Dense	Many	Bcsm	prulwwt	2	0	4	6	7	13	46%	7	102	0	9	113	0	0	1	0	0	1	0%	Dappled sunlight
Charltons	4.12.2020	<24 hours	light	24	18.5	6.5	350	Low	clear	none	none	3	75	trees & grass	Dense	Few	Bcgsm	prut	2	0	3	5	7	12	42%	6	13	0	19	100	0	2	2	0	2	4	50%	Dappled sunlight
Charltons	18.05.202	>7 days	light	12	11	6.5	320	Low	clear	none	none	2	70	trees & grass	Dense	Many	Bcgsm	prulwt	2	1	2	5	6	11	45%	8	7	2	8	100	0	1	0	0	1	1	100%	Dappled sunlight
Charltons	10.11.202	<24 hours	medium	18	17	7	350	Low	clear	none	none	2	100	trees & shrub	medium	Many	Bcsm	prulwt	1	0	1	2	7	9	22%	2	60	0	2	100	0	0	0	0	0	0		Rain, leeches
Charltons	03.12.202	>7 days	medium	19.5	18.5	7	350	Low	clear	none	none	2	80	trees & shrub	Dense	Many	Bcgsm	prulwt	2	1	4	7	8	15	47%	12	13	3	4	84	0	0	2	0	0	2	0%	Cloudy
Charltons	03.12.202	1-6 days	light	21	18.5	6.5	380	Low	clear	none	none	2	80	trees & shrub	Dense	Few	Bcsm	prulwwt	2	0	2	4	7	11	36%	4	6	0	5	100	0	0	0	0	0	0		Cloudy
Crossland	9.11.2014	<24 hours	heavy	17	15	7	330	heavy	clear	none	none	2	80	trees	medium	few	bbcsm	prult	1	1	4	6	6	12	50%	10	3	2	5	9	0	0	0	0	0	0		cloudy
Crossland	15.04.201	1-6 days	light	17	15	7	310	medium	clear	none	none	2	90	trees	dense	few	bbcsm	prult	3	2	3	8	7	15	53%	15	4	3	4	15	0	0	0	0	0	0		sunny
Crossland	14.10.201	<24 hours	light	18	14.5	7	330	medium	clear	none	none	2.5	90	trees	medium	few	bbcsm	prul	2	1	4	7	5	12	58%	19	15	1	10	12	0	0	0	0	0	0		partial cloud
Crossland	13.04.201	1-6 days	light	16	16	7	370	low	clear	none	none	2	95	trees & grass	heavy	none	bbcgsm	pruw	1	0	2	3	4	7	43%	3	6	0	31	10	0	0	0	0	0	0		part sunny
Crossland	09.11.201	<24 hours	light	19	15	7	370	low	clear	none	none	2	90	trees & shrub	dense	none	bbcs	prulw	0	0	0	0	3	3	0%	0	0	0	0	7	0	0	0	0	0	0		overcast
Crossland	06.12.201	<24 hours	light	21	19	6.5	380	low	clear	none	none	3	90	trees & shrub	medium	none	bbgsm	prul	0	0	3	3	5	8	38%	3	0	0	4	15	0	0	1	0	0	0		overcast
Crossland	18.05.201	1-6 days	light	11	11.5	7	320	medium	clear	none	none	4	90	trees & grass	medium	none	bbcgsm	prult	2	1	3	6	6	12	50%	10	12	2	11	9	0	0	0	0	0	0		sunny
Crossland	23.11.201	1-6 days	light	19	16	7	430	low	clear	none	none	3	90	trees & grass	medium	none	bbcgsm	pul	0	0	1	1	3	4	25%	1	0	0	1	31	2	0	0	0	2	2	100%	part sunny
Crossland	17.05.201	> 14 days	Light	14	11.5	7	440	low	clear	none	none	1	80	trees & grass	Medium	none	bbcsm	prulw	1	0	0	1	1	2	50%	1	3	0	0	4	0	0	0	0	0	0		Sunny, partial shade
Crossland	06.12.201	<24 hours	light	22	17	7	390	low	clear	none	none	2	80	trees & grass	Medium	none	bbsm	prulw	1	0	2	3	5	8	38%	3	1	0	3	46	0	0	0	0	0	0		Partial cloud, mainly shade
Crossland	16.04.201	>7 days	medium	15.5	15	7	270	medium	clear	none	none	3	80	trees & grass	Medium	none	bbcgs	prult	2	0	5	7	6	13	54%	9	5	0	14	40	0	0	0	0	0	0		Dappled sunlight
Crossland	1.11.2019	>7 days	Light	19	15	7	280	Low	clear	none	none	3	70	trees	Medium	Few	bbcsm	prulwt	2	1	3	6	5	11	55%	9	7	1	8	100	0	0	0	0	0	0		Dappled sunlight
Crossland	4.12.2020	<24 hours	Light	22	18	6.5	370	Low	clear	none	none	2	70	trees	Dense	None	bcgsm	prult	1	0	2	3	7	10	30%	3	3	0	7	100	0	0	0	0	0	0		Dappled sunlight
Crossland	18.05.202	>7 days	Light	8	10.5	6.5	280	medium	clear	none	none	3	100	trees & ferns	medium	None	bbcgsm	prut	3	0	3	6	6	12	50%	7	8	0	31	100	0	0	0	0	0	0		Shaded
Crossland	10.11.202	<24 hours	medium	20	16	7	370	medium	clear	none	none	3	100	trees	medium	None	bbgsm	pulw	0	0	2	2	5	7	29%	2	0	0	42	100	0	0	0	0	0	0		Rain, leeches
Crossland	03.12.202	>7 days	medium	21.5	15	7	310	medium	clear	none	none	3	70	trees	medium	None	bbcsm	prul	2	1	1	4	6	10	40%	6	6	1	2	56	0	0	2	0	0	2	0%	Cloudy
Crossland	20.11.202	1-6 days	light	20.5	17	7	320	Low	clear	none	none	2	100	trees	Dense	One	bbcsm	prulwt	1	0	2	3	5	8	38%	3	3	0	6	30	0	0	1	0	0	1	0%	Cloudy