

	14/10/2015	within 24 hours	light	medium flow	16	0.01	9.6	7	370	15	10	0	Light cloud, medium flow
	18/08/2015	> 7 days		low flow	9	0	9.4	7	370	10	2	0	Sunny but shaded, low flow
	02/08/2015	> 7 days		medium flow	9.5	0.01	11	7	340	10	3	0	Medium flow, sunny
	03/07/2015	1 - 3 days	light	medium flow	9	0.06	11.4	7	310	10	6	0	Medium flow, sunny but mainly shaded
	09/06/2015	1 - 3 days	light	medium flow	11	0	10.4	7	320	15	5	0	Medium flow, cloudy, shaded
	18/05/2015	1 - 3 days	light	medium flow	12.5	0	10.2	7	310	10	7	0	Cloudy, medium flow, water was up about 1m in rain 3 weeks ago.
	15/04/2015	4 - 7 days		medium flow	17	0.05	8.3	7	370	10	6	0	Medium flow in shade after sunny day
	03/03/2015	1 - 3 days	light	low flow	17.5	0	6.1	7	360	10	5	200	Low flow, sunny but shaded
	18/02/2015	1 - 3 days	light	medium flow	19	0.01	6.8	7	360	10	5	0	Medium flow, sunny but shaded
	06/01/2015	within 24 hours	light	low flow	20	0	7.1	7	370	15	6	0	Low flow, cloudy
	21/2/2014	within 24 hours	medium	medium flow	19	0	8.3	7	340	10	7	0	Medium flow, cloudy
	6/11/2014	within 24 hours	heavy	medium flow	15	0.04	7.3	7	370	15	0	0	cloudy, medium flow
	8/10/2014	within 24 hours	light	low flow	15	0.01	7.4	7	370	10	2	0	Low flow, cloudy
	28/09/2014	4 - 7 days		low flow	14	0.08	10.3	7	390	10	5	0	Sunny, low flow
	7/07/2014	> 7 days		low flow	7	0.05	11	7	370	10	4	0	Sunny but shaded, very low flow, lots of Crofton & some Arum. Sampled now as away in August.
	2/07/2014	> 7 days		low flow	7	0	9.7	7	380	10	0	0	Sunny but shaded, very low flow, lots of Arum & Crofton
	5/06/2014	within 24 hours	light	low flow	13	0	8.1	7	380	10	5	0	Cloudy, low flow
	27/05/2014	> 7 days		low flow	13	0.05	8.6	7	370	10	100	0	Sunny, low flow
	19/03/2014	4 - 7 days		medium flow	17	0.08	8.8	7	360	10	0	0	Medium flow, cloudy
	2/03/2014	within 24 hours	medium	medium flow	17.5	0.1	11.3	7	370	10	0	0	Cloudy, medium flow, lots of leeches
	6/02/2014	1 - 3 days	light	low flow	17.5	0	6.2	7	370	10	0	0	Cloudy, very low flow
	9/01/2014	1 - 3 days	light	low flow	18	0.03	3.9	7	340	10	0	0	Very low flow cloudy
	16/12/2013	> 7 days		medium flow	18.5	0.1	6.4	6.5	360	10	0	0	Sunny, medium flow
	04/11/2013	> 7 days		low flow	15	0.05	4.9	6.5	400	10	0	0	Sunny, very low flow
	05/10/2013	1 - 3 days	light	low flow	11	0.02	5.8	6.5	390	10	0	0	Very low flow, sunny
	15/09/2013	1 - 3 days	light	low flow	12.5	0.01	10.2	6.5	370	10	0	0	Cloudy, low flow
	12/08/2013	4 - 7 days		low flow	10	0.05	11.2	6.5	360	10	0	0	Low flow, sunny
	02/07/2013	1 - 3 days	heavy	high flow	11	0.12	9.5	7	280	10	100	0	Heavy flow, shaded
	03/06/2013	within 24 hours	medium	medium flow	13	0.07	7	7	320	10	100	0	Medium flow, sunny
	03/05/2013	> 7 days		low flow	13	0	7.9	6.5	360	10	0	0	Low flow, light cloud
	05/04/2013	within 24 hours	medium	medium flow	16.5	0.02	5.1	6.5	370	10	100	0	Medium flow, sunny
	05/03/2013	1 - 3 days	heavy	high flow	17.5	0.09	5.6	7	320	10	0	0	Heavy flow, sunny
	07/02/2013	4 - 7 days				0.1	5.3	6.5	400	10	0	0	
	06/01/2013	> 7 days			21	0.03	4.6	6.5	400	10	0	0	Sunny, NIL FLOW, samples taken from creek pool
	28/12/2012	4 - 7 days	light	low flow	17.5	0	2.9	6.5	370	10	0	0	low flow, sunny
	30/10/2012	> 7 days		low flow	15	0.04	10.6	7	370	10	0	0	Very low flow, sunny
	01/10/2012	1 - 3 days	medium	low flow	11	0	9.7	7	380	10	0	0	Sunny, low flow
	02/09/2012	4 - 7 days	light	low flow	8.5	0.04	11	6.5	390	10	0	0	Low flow, sunny
	07/08/2012	> 7 days		medium flow	7	0	9.6	7	340	10	0	0	Medium flow, sunny
	04/07/2012	> 7 days		medium flow	8.5	0.01	10.6	7	300	10	0	0	Cloudy, medium flow
	02/06/2012	within 24 hours	light	medium flow	12.5	0.01	10.3	6.5	310	10	0	0	Medium flow, cloudy, lots of leeches
	12/05/2012	> 7 days		low flow	12.5	0.02	8.9	7	310	10	0	0	Low flow, cloudy
	04/04/2012	1 - 3 days	light	medium flow	17.5	0.05	5.8	6.5	310	10	0	0	Sunny, medium flow
	02/03/2012	within 24 hours	heavy	high flow	20.5	0.36	10	7.5	220	60	0	0	Cloudy, aining, high flow, many large & small leeches
	02/02/2012	within 24 hours	medium	high flow	19	0.15	7.9	7.5	280	15	200	0	Heavy flow, cloudy with light rain, lots of leeches
	04/01/2012	4 - 7 days	light	medium flow	20.5	0.04	10.6	7	340	10	0	0	Medium flow, sunny, light rain previously
	1/12/2011	4 - 7 days	medium	medium flow	17	0.07	7.9	7.5	320	10	0	0	Medium flow, cloudy
	06/11/2011	4 - 7 days	light	low flow	15	0.02	7.6	7	430	10	0	0	Sunny, low flow two yabbies present
	03/10/2011	within 24 hours	light	medium flow	12.5	0.06	9.6	7.5	300	10	0	0	Cloudy, medium flow, no odour
	30/09/2011	within 24 hours	medium	medium flow	13	0.05	7.5	7	320	10	0	0	Some cloud, medium flow, mild odour due to debris build up
	02/08/2011	within 24 hours	medium	high flow	13	0.09	7.7	7.5	320	15	0	0	Strong flow, sunny above the log
	03/05/2011	1 - 3 days	medium	medium flow	15	0.01	8.5	7.5	370	10	0	0	Medium flow, cloudy
	01/04/2011	1 - 3 days	light	low flow	16.5	0.03	6.2	7	440	10	0	0	Low flow, cloudy
	18/02/2011	within 24 hours	light	low flow	20.5	0	4.2	7	380	10	0	0	Very low flow, cloudy
	12/01/2011	within 24 hours	light	low flow	20	0.04	5.7	7	360	10	0	0	Low flow, cloudy
	02/12/2010	within 24 hours	medium	medium flow	19	0.06	7.1	7	340	15	0	0	Medium flow, cloudy
	03/11/2010	within 24 hours	medium	medium flow	13.5	0.06	9.3	7.5	320	10	0	0	sunny, medium flow
	15/10/2010	1 - 3 days	medium	medium flow	15	0.07	8.1	7	370	10	0	0	medium flow, cloudy
	01/09/2010	> 7 days		low flow	10.5	0.04	9.5	7	380	10	300	0	Low flow, cloudy
	03/08/2010	within 24 hours	medium	medium flow	11	0.1	8.8	7.5	310	20	0	0	Medium flow, muddy water, cloudy
	05/07/2010	> 7 days		medium flow	10.5	0.03	8.9	7.5	340	10	0	0	Medium flow, cloudy
	02/06/2010	1 - 3 days	medium	high flow	12.5	0.03	8.7	7.5	350	10	0	0	Strong flow Partial cloud
	01/05/2010	1 - 3 days	light	low flow	14.5	0.02	8.5	7	370	10	0	0	Low flow
	13/04/2010	> 7 days		low flow	12.5	0.02	6.7	7	350	20	0	0	low flow, film in water, sunshine
	04/03/2010	1 - 7 days	medium	low flow	17.5	0.06	7.2	7	330	10	0	0	Creek flowing, cloudy
	10/02/2010	1 - 7 days	heavy	medium flow	20.5	0.06	8.7	7	330	10	0	0	Moderate flow following no rain in the last 2 days
	07/02/2010	within 24 hours	heavy	high flow	20.5	0.32	7.1	7.5	260	20	0	0	Very strong flow, both waterfall levels full with white water
	10/12/2009	> 7 days		low flow	19.5	0	9.6	7	400	15	0	0	Very low flow, cloudy
	09/11/2009	1 - 7 days	light	low flow	19	0.03	7.5	7	410	10	0	0	slow flow sunny sky
	02/10/2009	> 7 days		low flow	14	0.03	6.9	7	390	10	0	0	Flowing slowly, cloudy sky
	06/09/2009	1 - 7 days	medium	low flow	12	0.01	7.7	7	390	10	0	0	Diurnal Trial:slowly flowing, sunny 4pm
	06/09/2009	1 - 7 days	medium	low flow	11.5	0.01	7.1	8.5	390	10	0	0	Diurnal Trial:slowly flowing, mainly sunny 12pm
	06/09/2009	1 - 7 days	medium	low flow	11	0.02	8.2	8.5	400	10	0	0	Diurnal Trial:slowly flowing, partial cloud 8am
	07/08/2009	> 7 days		low flow	10	0.01	8.9	7	380	10	0	0	Creek flowing, some Crofton weed
	28/07/2009	1 - 7 days	medium	medium flow	9.5	0.01	8.4	7	390	10	0	0	Flowing
	20/06/2009	within 24 hours	light	medium flow	11	0.04	7.6	8	360	10	0	0	Leeches in abundance and creek flowing well
	26/05/2009	1 - 7 days	medium		14.5	0.07	8.8	7	310	10	0	0	Large tree fallen across sample site and surrounding area above the waterfall, but accessible
	01/04/2009	within 24 hours	heavy	high flow	19.5	0.03	8.7	8	240	20	0	0	The stream and the waterfall were flowing fast. Sample taken from near one bank: some brown water but mainly looked clear. Plenty of leeches.
	04/03/2009	1 - 7 days	light	medium flow	20	0.05	8.9	7	370	10	0	0	Flowing & clear
	05/02/2009	> 7 days	light		24	0.09	6.1	7	390	10	0	0	
	21/01/2009	within 24 hours	light		24	0	6.5	7.5	390	20	Not tested		
Summary for Charltons Ck	NO. of tests (with flow)				162	11	162	162	162	162	97	158	8
	Mean				14.8	15.4	0.04	8.8	7.0	359	13	6	52
	Median				15.0	16.0	0.03	8.8	7.0	350	10	5	0
	Maximum				24.0	22.0	0.36	14.1	8.5	950	60	42	3900
	Standard deviation				4.0	4.7	0.06	2.1	0.3	103	7	7	330
	ANZECC	Min						6.0	6.5				
	ANZECC	Max			NA	NA	0.0612	8.5	<300	<50	<50	<150	
	ANZECC	No. compliant					132	148	152	22	160	74	148

	ANZECC	% compliant						81%	91%	94%	14%	99%	76%	94%	
George Hall Ck above junction with Still Ck	22/06/2010	> 7 days	light		10.5		0.04	10.1	7	490	10		0		Tributary Study: Compare with Still Ck above on same day; brown growth on submerged surfaces
Creek No 4 Julian (Creek to Carns Rd)	18/07/2009	1 - 7 days	medium		9		0	7.9	7	440	10		0		Crofton, privet, lily
Below dam No 3 Julian Place	18/07/2009	1 - 7 days	medium		8.5		0.02	6.3	7	480	10		0		
Charltons Creek, site 2 end Knights Rd	26/05/2009	1 - 7 days	medium		14		0.04	9.4	7	330	10		0		Mild odour, flowing
Halls Creek above junction from Vision Valley	21/03/2009	within 24 hours	light		18		0.02	10.2	8	190	10		0		no pollution, odour etc
Halls Creek above junction (not from Vision Valley)	21/03/2009	within 24 hours	light		18		0.03	6.4	8	220	10		0		no pollution, odour etc
Below dam in Vision Valley	21/03/2009	within 24 hours	light		24		0	11.1	8	190	10		0		no pollution, odour etc
Note	E coli primary contact ANZECC max is <150 and secondary contact max is <1000														