

LEG/LRS STREAMWATCH MONITORING RESULTS 2006/2010

Exceeds Trigger Value of 300 EC for Electrical Conductivity compliance with SCA Water Quality Monitoring Program.

Exceeds WHO and generally accepted ADWG upper limit of 800 EC for salinity in drinking water.

Exceeds WHO/ANZECC (2000) upper limit of 1500 EC for salinity above which adverse biological impacts may occur.

Exceeds limit of LEG's testing equipment for salinity (>1999 µS/cm for ECScanLow meter).

Exceeds ANZECC (2000) Water Quality Guideline upper limit for pH (8), Turbidity (25 NTU), and/or Available Phosphate (0.14 mg/L).

Site	Location	Date	Dissolved Oxygen mg/l	Dissolved Oxygen %	Temp °C	pH	Electrical Conductivity µS/cm	Turbidity NTU	Available Phosphate ppm	Comments
1	Cox's River, Ben Bullen State Forest 33° 18' 20.1" S 150° 05' 49.8" E Altitude: 941m	19/10/06	2.7	38	13	5	30	<10	-	
		3/11/06	3.4	32	13	6	30	10	-	
		23/11/06	3.1	30	16	6	30	10	0.07	
		28/12/06	2.7	31	23	6	40	15	0.05	
		24/1/07	0.08	10	20	6	40	30	0.04	38mm recent rain
		12/4/07	2.4	23	16	6	50	20	0.02	
		17/5/07	2.3	20	11	6	30	<10	0.02	3mm recent rain
		18/6/07	3.8	33	9	6	120	<10	0.04	115mm rain during the month
		18/7/07	9.3	77.4	7.9	5.66	35	0	-	SCA Sampling Data. Flowing, clear
		28/7/07	6.1	50	7.5	6	50	<10	0.02	Flowing, clear, frog calls
		27/8/07	6.0	52	8.5	6	40	<10	0.02	25mm recent rain, flowing, frog calls
		24/9/07	4.1	36	8	6	50	<10	0.01	Flowing, clear, 700EC downstream
		11/10/07	-	-	12	6	40	<10	-	Flowing, saw a big black snake
		29/10/07	4.7	50	14.5	6	40	<10	0.01	Flowing, lots frog calls
		4/11/07	-	-	-	-	30	10	-	Turbidity after 50mm storm overnight
		30/11/07	3.8	39	16	6	40	<10	0.00	150mm Nov, tea-tree colour, flowing
31/12/07	3.2	40	21.5	5.5	40	<10	0.03	Flowing, EC560 2km downstream		
28/1/08	3.4	36	18	5.5	40	<10	0.02	Flowing, EC480 2km downstream		
2/3/08	4.3	41	13	5.5	40	<10	0.04	71 mm rain, EC730 2km downstream		
1/4/08	4.2	42	14	6	40	<10	0.03	Flowing, EC1050 1km downstream		
29/5/08	3.6	30	6.5	5.5	30	<10	0.01	15mm o'nite, flowing, EC960 1km downst		
30/7/08	4.9	58	5.5	6	40	<10	-	Flowing, frog calls, tannin stained		
30/9/08	2.4	20	10	5.5	40	<10	0.06	Frogcalls, Boobook Owl, Wood-duck		
31/10/08	3.5	35	14.5	5.5	40	<10	0.01	Flowing, tea-tree stain, 30mm rain		

2 Kangaroo Creek, Wolgan Road, Angus Place (downstream Angus Place Colliery) 33° 20' 58.5" S 150° 05' 56.4 E Altitude: 921m	25/1/09	1.8	16	18.5	5.5	50	15	0.00	Flowing, Tadpoles, tannin stained
	25/2/09	1.9	20	17.5	5.5	50	<10	0.02	Flowing, fewer tadpoles, tannin
	30/3/09	1.2	12	15	5.5	50	<10	0.04	Slight flow, Tea-stained, frog calls
	29/4/09	1.7	15	10.5	5.5	40	15	-	Slight flow, Tea-stained, murky
	31/5/09	2.6	23	9.5	5.5	40	10	-	Flowing, slightly murky
	28/6/09	-	-	7.5	5.5	40	<10	-	Flowing, clear, some frog calls
	25/7/09	-	-	7	5.5	40	<10	-	Flowing, frog calls, a gudgeon
	31/8/09	2.7	23	8	5	40	<10	0.09	Flowing, some frog calls
	30/9/09	2.8	25	10	5.5	50	<10	0.07	Flowing, bit murky, some frog calls
	6/11/09	2.6	25	14	5.5	40	10	0.12	Not flowing, tea-tree & iron stained
	12/12/09	3.3	33	16	5.5	40	<10	-	Not flowing, downstream bridges dry
	10/2/10	3.1	33	18	5.5	50	<10	-	No flow. 60mm rain, bridges low
	12/3/10	4.0	41	16	5.5	50	10	0.00	Flowing. EC340 1k down, 540 2k
	19/10/06	6.9	69	19	8	880	<10	-	
	5/11/06	9.6	96	15	9	1100	10	0.02	30mm rain
	23/11/06	5.3	61	25	8	980	<10	-	
	28/12/06	5.9	67	21	8	1030	<10	0.03	
	26/1/07	3.7	41	21	8	1060	<10	-	38 mm rain
	12/4/07	5.7	60	18	9	980	<10	0.04	
	15/5/07	6.85	83.6	16.58	8.67	986	20.0	<0.005	SCA Field Data
	17/5/07	6.1	60	15	8.5	900	80	0.05	Water is grey/black
	1/6/07	-	-	-	-	970	-	-	48mm rain, grey
	14/6/07	-	-	-	-	250	-	-	88mm rain
	30/6/07	5.3	46	8	7.5	390	10	0.01	39mm, no frogs
	28/7/07	5.6	49	9	8	620	20	0.06	Black muck on creek bed
	17/8/07	-	-	9	-	570	<10	-	8mm rain, flowing, black creek bed
	27/8/07	6.3	57	11	8	510	15	0.04	25mm rain, flowing, black creek bed
7/9/07	-	-	10	8	570	10	-	Flowing, black creek bed, no frogs	
24/9/07	6.1	55	10	8	670	200	0.08	V. dirty black, no frog calls	
11/10/07	-	-	14	8	710	<10	-	Black silt on creekbed	
29/10/07	5.8	60	17	8	670	10	0.05	29mm rain. No frog calls	
4/11/07	-	-	-	-	440	60	-	Turbidity after 50mm storm overnite	
30/11/07	5.4	55	16.5	7.5	300	15	0.01	150mm rain Nov, rusty colour	
31/12/07	4.8	54	20	7.5	560	20	0.03	Black silt on creekbed	
28/1/08	5.0	53	17.5	8	650	<10	0.03	v. slow flow, no frogs, clear	
2/3/08	6.3	59	12	8	690	<10	0.01	71 mm rain during week	

	2/4/08	6.3	60	13.5	8	830	<10	0.08	Flowing, black coal fines on creekbed
	29/5/08	6.8	56	7.5	8	870	<10	0.04	15mm rain o'nite, slight flow
	30/7/08	5.7	50	9.5	8	880	<10	-	Flowing, warmer than other creeks today
	30/9/08	5.6	54	13	8	840	<10	0.04	Flowing, clear. 70 - 80mm rain Septembe
	31/10/08	5.0	58	21	8	850	10	0.07	Flowing, slightly murky
	25/1/09	5.1	58	20	8	820	30	0.08	Higher flow than usual, murky
	25/2/09	5.5	60	19.5	8.5	820	20	0.05	Flowing, slightly grey/black, 30mm rain
	1/4/09	5.9	62	18	8	810	80	-	20mm o'nite, v. grey black
	29/4/09	6.3	61	14	8	880	10	-	Flowing, clear
	31/5/09	6.6	63	13.5	8.5	900	15	-	Flowing, grey/green, warmer than Coxs
	28/6/09	-	-	11	8.5	1020	15	-	Flowing, floating algae/ affected turbidity
	25/7/09	-	-	8	8	990	10	-	Flowing, floating algae/debris
	31/8/09	5.9	54	11	8.5	920	<10	0.09	Clear, pond has been cleaned out
	30/9/09	5.5	56	16	8.5	1020	<10	0.11	Clear, slight flow
	6/11/09	5.4	55	16.5	8	1090	<10	0.11	Clear, EC highest in 3 yrs (since 5/11/06)
	12/12/09	5.7	64	21	8.5	940	<10	-	Clear-flowing well
	10/2/10	5.0	57	22	8.5	840	<10	-	60mm rain over w'end, recent roadworks
	12/3/10	6.7	69	16.5	8	950	10	0.01	Flowing, slightly milky
3 Sawyer's Swamp Creek, Wolgan Road, Lidsdale (downstream Kerosene Vale Fly-ash repository) S 33° 22' 50.80" E 150° 5'9.96" Altitude: 887m	19/10/06	5.7	57	16	7	1120	15	-	
	5/11/06	7.4	70	13	7	1370	<10	0.05	30mm rain
	23/11/06	4.6	50	19	7	1270	30	-	
	28/12/06	4.1	42	17	7.5	1380	<10	0.03	
	26/1/07	4.4	50	21	7	1400	<10	-	38 mm rain
	12/4/07	5.0	47	13	7	1370	<10	0.04	
	26/4/07	-	-	-	-	1510	-	-	1mm rain
	29/4/07	-	-	-	-	1460	-	-	18mm rain
	3/5/07	-	-	-	-	1510	-	-	
	15/5/07	7.57	81.3	10.65	5.35	1600	2.1	<0.005	SCA Field Data
	26/5/07	-	-	-	-	1280	-	-	48mm rain
	14/6/07	-	-	-	-	1020	-	-	88mm rain
	30/6/07	5.9	50	7	7	690	10	0.02	4mm, no frogs
	28/7/07	6.6	53	6	7	770	<10	0.03	Bleached rusty look to creek bed
	27/8/07	6.4	57	9.5	7	740	<10	0.06	25mm rain, no frogs, rusty creekbed
7/9/07	-	-	8	-	830	<10	-	Flowing, no frog calls	
24/9/07	6.3	54	8.5	7	910	<10	0.06	Possibly Gambusia, no frog calls	
11/10/07	-	-	13	7	1090	<10	-	Possibly Gambusia, no frog calls	

	30/10/07	5.0	50	14.5	7	1070	<10	0.02	Possibly Gambusia, no frog calls
	4/11/07	-	-	-	-	-	200	-	Turbidity after 50mm storm overnite
	30/11/07	5.2	51	15.5	7	650	30	0.01	150mm rain Nov, milky/grey
	31/12/07	5.3	60	19.5	7	770	<10	0.05	Slow flow, no frogs
	28/1/08	5.3	56	17.5	7	580	<10	0.04	Flowing, clear, Gambusia, a yabbie
	2/3/08	5.6	54	13	6.5	730	<10	0.09	71 mm rain during week
	2/4/08	6.6	62	12	7	770	<10	0.02	Possibly Gambusia
	29/5/08	6.4	53	7.5	7	1110	<10	0.01	15mm rain o' nite, flowing, clear
	30/7/08	7.1	54	4	6.5	1210	<10	-	Clear, flowing, rusty creekbed, no frogs
	30/9/08	5.8	52	10	7	1020	<10	0.03	Flowing, clear, no frogs
	31/10/08	5.0	52	16.5	7	950	<10	0.05	Flowing, clear
	25/1/09	4.4	48	18	7	960	<10	0.06	Flowing, clear
	25/2/09	5.6	60	19.5	8.5	930	30	0.07	Springvale Tfer begun, muddy, 30mm
	3/3/09	-	-	19.5	-	940	30	-	Twice the usual flow, grey muddy
	1/4/09	5.5	59	19	8.5	940	10	-	Much higher flow, 20mm o/nite, grey
	29/4/09	6.6	68	16.5	8.5	1010	150	-	V. muddy, v. high flow. Photo taken.
	31/5/09	6.3	62	15	8.5	1080	15	-	Grey, 6 ^u warmer than other creeks today
	28/6/09	-	-	15.5	8.5	1140	15	-	Grey, 7-8 ^u warmer than other creeks
	25/7/09	-	-	13	8.5	1110	<10	-	Clearer than usual, no frog calls
	31/8/09	5.2	50	14	9	1020	<10	0.08	Clearer than usual, feels warm
	30/9/09	5.8	52	10.5	8	1240	<10	0.08	2/3 less flow than last 8 months
	6/11/09	5.0	49	14	7	1450	<10	0.08	v. low flow, clear, EC highest in 2.4 yrs
	12/12/09	4.8	50	17	6.5	1530	<10	-	v. low flow, clear, EC highest ever
	11/2/10	5.1	55	19	7	710	<10	-	60mm rain over w'end. Flowing, clear
	12/3/10	7.4	72	14	6	1360	10	0.02	Usual site fenced off, tested Wolgan Rd
	19/10/06	6.8	64	18	9	1010	20	-	Flowing well
	5/11/06	8.6	86	14	8	1080	15	-	Flowing well
	23/11/06	2.5	30	31	9	1230	80	-	Very muddy
	28/12/06	7.2	81	21	9	1180	30	0.04	Not flowing
	24/1/07	5.6	64	21.5	8	780	60	0.16	38mm rain
	12/4/07	9.4	96	15.5	9	1010	20	0.02	Water dirty
	15/5/07	8.15	93.7	12.79	8.10	982	12.7	0.02	SCA Field Data
	17/5/07	6.6	63	13	8.5	860	15	0.07	18mm rain, water grey, no frogs
	30/6/07	7.0	57	7.5	7	360	20	0.06	200mm+ June
	28/7/07	9.1	80	8.5	7.5	350	20	0.04	Green algae on creekbed
	28/8/07	10.9	99	10	9.5	310	20	0.01	25mm rain. Green algae. No frogs
4	Springvale Creek, Castlereagh Hwy, Wallerawang (downstream from Springvale Colliery) 33° 24' 06.5" S 150° 05' 37.1" E Altitude: 892m								

	24/9/07	9.7	93	13	8	290	15	0.06	Green/milky colour, odour, algae
	30/10/07	6.5	68	16.5	7	320	20	0.08	29mm rain, less algae than usual
	4/11/07	-	-	-	-	340	100	-	Turbidity after 50mm storm overnite
	30/11/07	4.7	49	17	6.5	290	30	0.07	150mm rain Nov,muddy,water weed
	31/12/07	5.8	66	20.5	7.5	320	<10	0.06	Lots water weed, looks stagnant
	28/1/08	4.7	52	19	7	380	15	0.07	No flow, muddy, weedy, no frogs
	2/3/08	6.4	62	13	7	390	10	0.06	71 mm rain during week, weedy
	1/4/08	5.0	49	13	7	250	15	0.09	Muddy, weedy, barely flowing
	29/5/08	5.9	50	8	7	200	10	0.03	15mm rain o'nite, slight flow, weedy
	31/7/08	7.8	59	4	7	410	<10	-	Slight flow, not as turbid or weedy
	30/9/08	6.6	64	14	7.5	440	<10	0.09	Slight flow, algae & weeds, no frogs
	31/10/08	8.6	100	21	8	470	15	0.09	Slight flow, weedy
	28/1/09	6.2	68	19	8	810	30	0.07	Much higher flow, yellow muddy, Tortoise
	1/3/09	3.3	30	16	8.5	820	50	0.11	Flowing, milky-yellow-clayey colour
	30/3/09	7.8	77	14.5	8	860	50	0.10	Highest flow yet, yellow clayey colour
	29/4/09	8.1	72	10	8.5	610	20	-	Slight flow, not as muddy as last month
	31/5/09	6.4	55	9	7	560	20	-	Muddy yellow, stringy algae, no flow
	28/6/09	-	-	8	7	550	20	-	Green-grey, v. slight flow , some frog calls
	28/7/09	-	-	8	6.5	490	20	-	Flowing, yellow muddy
	1/9/09	6.8	56	7	7.5	490	10	0.07	Murky, weedy
	30/9/09	7.9	71	10.5	8.5	960	10	0.10	Flowing murky, weedy, EC is high
	7/11/09	5.6	56	15.5	8	990	<10	0.28	Murky but clear, EC highest in 2.5 yrs
	12/12/09	7.1	73	17	8	990	10	-	Highest flow ever, clear, weedy
	11/2/10	7.4	80	19	8.5	890	15	-	60mm rain over w'end, stringy algae
	12/3/10	9.2	91	15	8	940	<10	0.03	Flowing, green algae on bottom, weedy
	19/10/06	4.3	43	20	7	1460	40	-	
	4/11/06	4.6	46	16.5	8	1430	50	-	30mm rain
	18/11/06	6.7	70	18	7	230	20	-	Delta freshwater discharge
	25/1/07	4.9	63	28	7	280	60	0.06	38mm rain
	4/2/07	-	-	-	-	390	-	-	
	12/4/07	5.7	58	18	8	570	15	0.00	
	21/4/07	-	-	-	-	580	-	-	
	22/4/07	5.5	60	19	8	>1999	20	0.16	
	23/4/07	-	-	-	-	>1999	-	-	2.5mm rain
	24/4/07	-	-	-	-	>1999	-	-	
	25/4/07	-	-	-	-	>1999	-	-	
5	Wangcol Creek (Top end Nuebeck's Ck previously referred to as Huon Ck), Castlereagh Hwy, Blackmans Flat - downstream Mt Piper Power Station, fly-ash & Brine disposal areas 33° 21' 02.0" S								

150° 02' 31.3" E Altitude: 929m	26/4/07	-	-	-	-	-	-	-	-	-	>1999	-	-	1mm rain
	27/4/07	-	-	-	-	-	-	-	-	-	>1999	-	-	18mm rain
	29/4/07	-	-	-	-	-	-	-	-	-	>1999	-	-	
	30/4/07	-	-	-	-	-	-	-	-	-	>1999	-	-	
	1/5/07	-	-	-	-	-	-	-	-	-	>1999	-	-	
	3/5/07	-	-	-	-	-	-	-	-	-	1760	-	-	
	6/5/07	-	-	-	-	-	-	-	-	-	1600	-	-	
	15/5/07	7.67	85.8	12.49	7.48	7.5	7	7.5	7	7.5	600	23.5	<0.005	SCA Field Data
	17/5/07	-	-	-	-	-	-	-	-	-	610	-	-	3mm rain, v. muddy
	26/5/07	-	-	-	-	-	-	-	-	-	310	-	-	48mm rain, v. muddy
	30/6/07	7.6	63	7	7.5	7	7	7.5	7	7.5	250	15	0.06	34mm, muddy, 200mm+June
	19/7/07	-	-	-	-	-	-	-	-	-	460	40	-	v. muddy grey, no frog calls
	29/7/07	6.6	53	6	7	6	6	7	7	7	530	10	0.04	Slightly muddy grey, no frog calls
	28/8/07	6.7	61	12	7	12	12	7	7	7	420	60	0.02	25mm rain, v. muddy, no frog calls
	27/9/07	4.8	48	13	7	13	13	7	7	7	520	60	0.04	v. dirty brown, no frog calls
	11/10/07	-	-	15	6	15	15	6	6	6	610	100	-	v. dirty grey/brown
	30/10/07	6.3	67	17.5	7	17.5	17.5	7	7	7	440	30	0.06	29mm rain, dirty brown. No frog calls
	4/11/07	-	-	-	-	-	-	-	-	-	-	400	-	Turbidity after 50mm storm overnite
	30/11/07	8.1	86	17.5	7	17.5	17.5	7	7	7	170	200	0.01	150mm rain Nov, v. dirty brown/grey
	31/12/07	3.2	35	19	6.5	19	19	6.5	6.5	6.5	230	60	0.07	Muddy brown, no frogs
	20/1/08	-	-	17	7	17	17	7	7	7	190	400	-	v. muddy after 70mm rain o'nite
	28/1/08	6.9	73	17.5	7	17.5	17.5	7	7	7	250	300	0.12	v. muddy, light flow, no frogs
	2/3/08	7.7	82	18	7	18	18	7	7	7	220	300	0.02	v. muddy, 71 mm rain during week
	2/4/08	6.8	67	14	7	14	14	7	7	7	300	80	0.01	v. muddy
	29/5/08	6.8	58	8	7	8	8	7	7	7	340	80	0.02	15mm rain o'nite, very muddy
	30/7/08	7.0	57	6	7	6	6	7	7	7	520	80	-	v. muddy, flowing, no frogs
	30/9/08	5.8	54	12	7	12	12	7	7	7	350	80	0.03	v. muddy, flowing, no frogs
	31/10/08	4.7	50	17	6.5	17	17	6.5	6.5	6.5	330	80	0.09	v. muddy, flowing
	25/1/09	4.1	48	20	7	20	20	7	7	7	500	40	0.05	v. muddy, flowing
	25/2/09	5.7	64	20	7	20	20	7	7	7	280	200	0.00	v. muddy, flowing, 30mm rain 7 days
	1/4/09	5.4	55	16	7	16	16	7	7	7	410	40	-	v. muddy, flowing, 20mm o'nite
	29/4/09	6.5	58	10.5	7	10.5	10.5	7	7	7	370	20	-	Flowing, muddy but not as bad as before
	31/5/09	6.5	56	9	7	9	9	7	7	7	480	50	-	Flowing, muddy grey
	28/6/09	-	-	7	7	7	7	7	7	7	480	60	-	Flowing, muddy grey
	28/7/09	-	-	8	7	8	8	7	7	7	400	60	-	Flowing, grey muddy
	1/9/09	6.2	52	8	7	8	8	7	7	7	360	60	0.05	Flowing, v. muddy, no frog calls
	30/9/09	6.7	64	13	8	13	13	8	8	8	410	30	0.05	No flow, muddy, level lower than usual

		6/11/09	5.6	58	17	7.5	410	20	0.15	Grey, muddy, no aquatic life visible
		12/12/09	4.6	50	19	7.5	460	40	-	Muddy, low level, not flowing
		11/2/10	5.3	58	20	7	240	200	-	60mm rain, V. muddy, flowing
		12/3/10	7.3	72	14.5	7	510	100	0.02	V. muddy, flowing
		19/10/06	4.5	45	17	7	1320	<10	-	
		4/11/06	4.5	45	15	7	1450	<10	-	30mm rain
		18/11/06	4.8	47	15	7	990	<10	0.02	
		31/12/06	5.1	55	19	8	1390	<10	0.02	12mm rain
		25/1/07	4.4	50	23	8	1520	<10	0.05	38mm rain
		12/4/07	3.9	36	15	7	930	<10	0.01	
		23/4/07	5.8	56	14	6	520	15	0.05	2.5mm rain
		24/4/07	-	-	-	-	1230	-	-	
		25/4/07	-	-	-	-	1590	-	-	1mm rain
		26/4/07	2.8	28	13.5	7	1620	<10	0.04	
		27/4/07	-	-	-	-	1610	-	-	
		28/4/07	-	-	-	-	1590	-	-	
		29/4/07	-	-	-	-	1570	-	-	18mm rain
		30/4/07	-	-	-	-	1550	-	-	
		1/5/07	-	-	-	-	1530	-	-	
		3/5/07	-	-	-	-	1540	-	-	
		10/5/07	-	-	-	-	1450	-	-	2mm rain
		15/5/07	5.68	60.2	9.97	7.07	1560	1.6	<0.01	SCA Field Data
		17/5/07	-	-	-	-	1430	-	-	3mm rain
		1/6/07	-	-	-	-	750	-	-	48mm rain, 200m+ June
		14/6/07	-	-	-	-	270	-	-	88mm, v. muddy
		30/6/07	6.4	52	7	7	240	30	0.06	30mm, v. muddy
		19/7/07	-	-	-	-	360	-	-	Slightly milky, iced over
		29/7/07	4.5	36	6.5	6	580	10	0.03	Slight grey/green
		17/8/07	-	-	-	-	550	<10	-	8mm rain yesterday
		28/8/07	5.5	48	9	6	490	<10	0.02	
		27/9/07	4.4	42	11	6	1050	<10	0.03	Clear, possibly Gambusia
		30/10/07	4.3	44	16	7	1180	<10	0.03	29mm rain. Slight oil slick, no frogs
		4/11/07	-	-	-	-	-	300	-	Turbidity after 50mm storm overnite
		30/11/07	4.3	44	16	6.5	270	20	0.03	150mm rain Nov, muddy
		31/12/07	2.9	31	19	6	280	<10	0.03	Poss. Gambusia, 2 wood ducks
		28/1/08	3.6	38	18	6	260	15	0.06	Gambusia, muddy, no frogs

6

Nuebeck's Creek
(Wangcol Creek),
Castlereagh Hwy,
Blackman's Flat
(downstream Mt Piper
Power station)
S 33° 21' 41.16"
E 150° 3' 28.60"
Altitude: 913m

	2/3/08	4.7	46	14	6	260	20	0.05	71 mm rain during week
	2/4/08	3.8	36	13	6	350	10	0.05	Muddy, poss. Gambusia
	29/5/08	4.8	39	7	6.5	410	<10	0.03	15mm rain o' nite, grey/green
	30/7/08	5.1	43	7	6	590	<10	-	Clearer than usual, no frogs
	30/9/08	4.7	45	13	6	380	<10	0.05	Possibly Gambusia, no frogs
	31/10/08	3.0	34	17	6	380	<10	0.09	Looks clear, Gambusia
	25/1/09	2.8	30	20	6	540	<10	0.04	Clear, Gambusia, Eastn WaterDragon
	25/2/09	4.1	46	20	6.5	280	20	0.07	Yellow-muddy, 30mm rain last 7days
	29/4/09	4.8	43	10	6.5	670	<10	-	Flowing, clear
	31/5/09	5.7	49	9	6.5	480	<10	-	Reasonably clear, flowing
	28/6/09	-	-	8	6	580	<10	-	Flowing, clear, poss. gambusia
	28/7/09	-	-	7.5	6	470	10	-	Slightly murky, no fish or macros
	1/9/09	6.0	51	8	7	420	10	0.05	Slightly murky
	30/9/09	5.1	46	11	7	930	10	0.08	Slight murky, EC higher than usual
	6/11/09	3.8	39	16.5	7	1290	10	0.13	EC highest in 2.5yrs (since 3/5/07)
	12/12/09	3.8	41	19	7	1370	15	-	Milky, poss. Gambusia
	11/2/10	3.4	37	20	6.5	230	15	-	60mm rain, flowing, 2 water dragons
	12/3/10	5.4	54	15.5	6	730	<10	0.01	Flowing clear, 1 water dragon
7 Cox's River Castlereagh Hwy, Lidsdale 33° 22' 48.1" S 150° 04' 47.7" E Altitude: 881m	5/11/06	6.6	64	15	8	1080	<10	0.03	30mm rain
	19/10/06	6.6	66	22	8	1010	10	-	Slight cloudy, brown algae on c'bed
	18/11/06	6.8	70	16.5	8	1010	40	0.04	Very muddy despite no rain
	28/12/06	5.6	66	24	8	1050	<10	0.05	
	26/1/07	6.0	60	28	8	1050	<10	-	38mm, dead shrimps/stirders/water snails
	12/4/07	7.0	74	17.5	8	910	<10	0.03	Slightly muddy, algal film on c'bed
	10/5/07	-	-	-	-	1090	-	-	2mm rain
	15/5/07	8.85	101.5	14.46	8.33	972	0.5	<0.01	SCA Field Data
	26/5/07	-	-	-	-	930	-	-	48mm rain
	1/6/07	-	-	-	-	890	-	-	8mm rain
	14/6/07	-	-	-	-	730	-	-	88mm rain, muddy
	30/6/07	6.0	50	7.5	7	580	30	0.07	no frogs, 200mm+ rain. June
	28/7/07	6.4	54	8	7	640	<10	0.06	Brown muck on creek bed
	27/8/07	6.3	59	12.5	7.5	630	<10	0.03	25mm rain, mud on creekbed, some frogs
	7/9/07	-	-	10.5	7.5	640	<10	-	Flow less than usual, some frog calls
	24/9/07	7.1	68	12.5	7	720	<10	0.11	Flow low, fine brown silt on creekbed
	11/10/07	-	-	15	7	860	<10	-	Possibly Gambusia, silt on creekbed
30/10/07	7.4	86	21.5	7.5	910	<10	0.07	29mm rain. Possibly gambusia.	

4/11/07	-	-	-	-	-	-	610	100	-	Turbidity after 50mm storm overnite
30/11/07	6.1	64	18	7	7	540	30	0.01	150mm rain Nov, yellow/milky	
31/12/07	6.9	82	25.5	7	7	610	<10	0.06	Poss. Brown Trout, poss. Gambusia	
28/1/08	5.6	64	22	7.5	7.5	550	<10	0.07	Clear, flowing well, brown trout	
2/3/08	5.8	58	15	7	7	510	<10	0.07	71mm rain during week, good flow	
2/4/08	6.8	70	17	7	7	620	<10	0.06	Poss. Gambusia, 1 brown trout	
29/5/08	7.1	62	10	7	7	840	<10	0.03	15mm rain o' nite, 2 brown trout	
30/7/08	7.0	59	8.5	7	7	800	<10	-	Flowing, clear, no frogs	
30/9/08	6.0	61	16	7	7	680	<10	0.08	Flowing, clear, no frogs	
31/10/08	6.2	71	21	7.5	7.5	650	<10	0.04	Flowing, clear	
25/1/09	5.2	60	22.5	8	8	720	<10	0.06	Flowing, clear, Gambusia	
25/2/09	5.5	60	20	8	8	830	20	0.09	Springvale Tfer begun, muddy, 30mm	
3/3/09	-	-	19.5	-	-	870	20	-	High flow, More grey than yellow	
1/4/09	5.7	60	18	8	8	870	10	-	High flow, grey, froth, 18mm o'nite	
29/4/09	7.1	70	14.5	8	8	990	150	-	V. muddy, higher flow than usual	
31/5/09	5.9	57	14	8.5	8.5	1040	15	-	Grey, 5 ⁰ warmer than other cks today	
28/6/09	5.3	-	13.5	8.5	8.5	1100	15	-	Grey, 6 ⁰ warmer, poss. gambusia	
23/7/09	-	-	11	8	8	1040	15	-	Grey, froth, warm	
31/8/09	6.4	61	13	8.5	8.5	940	<10	0.05	Feels warm (5 ⁰ warmer than upstream)	
30/9/09	6.6	68	17	8	8	870	<10	0.10	2/3 less flow than last 8 months	
6/11/09	6.4	67	17.5	8	8	1020	<10	0.13	No aquatic life/frogs visible or audible	
12/12/09	7.2	82	22	8	8	1080	<10	0.23	Lowest flow in 3 years, possGambusia	
11/2/10	5.8	67	22.5	7	7	510	40	-	60mm rain over w'end, muddy	
12/3/10	7.2	75	17	7.5	7.5	840	<10	0.02	Flowing, clear	
24/9/06	7.6	75	14	7	7	40	<10	0.03		
30/9/06	8.8	82	10	6.5	6.5	50	<10	0.03		
27/12/06	6.6	76	21	8	8	60	15	0.11	Turbidity rising	
24/1/07	6.3	72	22	6	6	70	15	0.06	40mm rain	
12/4/07	6.0	68	14	7	7	60	<10	0.07		
3/5/07	5.0	50	15	7	7	50	<10	0.04		
15/5/07	7.56	81.8	11.15	7.03	7.03	44	1.8	<0.01	SCA Field Data	
22/6/07	6.7	55	7	7	7	70	<10	0.06	150mm rain	
26/7/07	6.6	55	7	7	7	90	<10	0.04	1 platypus, brown trout	
31/8/07	8.1	70	9.5	7	7	60	<10	0.02	25mm rain, slightly green, good flow	
24/9/07	5.1	47	11	7	7	50	<10	0.02	Water rat ate a baby platypus	
2/11/07	6.3	60	13	7	7	60	<10	0.06	Milky green	
8	Marrangaroo Creek, Great Western Hwy, Marrangaroo 33 ⁰ 26' 14.7" S 150 ⁰ 06' 48.2" E Altitude: 914m									

<p>9</p> <p>Farmer's Creek Coerwull Rd Bowenfels (downstream LCC STP outfall)</p> <p>33°28'13.37"S 150° 7'34.18"E Altitude: 903m</p>	4/11/07	-	-	-	-	-	-	-	-	40	-	Turbidity after 50mm storm overnite
	30/11/07	5.7	57	14.5	7	40	<10	0.04	0.04	<10	0.04	150mm rain Nov, slight green tinge
	1/1/08	6.1	60	15	7	50	<10	0.06	0.06	<10	0.06	Flowing very well, clear
	29/1/08	3.8	42	19	7	40	<10	0.04	0.04	<10	0.04	Good flow, murky, 5 Platypus
	2/3/08	7.2	69	13	7	40	<10	0.04	0.04	<10	0.04	71 mm rain during week
	16/3/08	-	-	-	-	-	-	-	-	-	-	2 Platypus, tortoise
	1/4/08	6.9	63	11.5	7	60	<10	0.05	0.05	<10	0.05	Clear, flowing well
	29/5/08	7.2	60	8	7	50	<10	0.03	0.03	<10	0.03	Clear-flowing well
	31/7/08	7.5	58	4	7	60	<10	-	-	<10	-	Clear, flowing well
	30/9/08	6.9	64	12	4.5	50	<10	0.07	0.07	<10	0.07	v. low pH? Army camp works?
	31/10/08	6.6	70	17	7	40	<10	0.03	0.03	<10	0.03	Clear, flowing well
	28/1/09	5.1	58	19.5	6.5	50	<10	0.04	0.04	<10	0.04	Flowing well, clear
	22/2/09	5.7	59	17	7.5	30	<10	0.04	0.04	<10	0.04	28mm rain, 2 P'pus, Army Camp works
	30/3/09	5.5	53	14	7	50	<10	0.05	0.05	<10	0.05	Flowing well, clear
	30/4/09	8.3	74	10	7	40	<10	-	-	<10	-	Flowing well, crystal clear
	28/5/09	7.7	68	10	7	60	<10	-	-	<10	-	70mm rain. High flow, clear
	29/6/09	6.9	-	9	6	60	<10	-	-	<10	-	Recent rain, flowing well, clear
	28/7/09	-	-	6.5	7	90	<10	-	-	<10	-	Recent rain, v. good flow, clear
	1/9/09	4.8	40	7.5	7	70	<10	0.04	0.04	<10	0.04	Recent rain, good flow, clear
	30/9/09	7.5	67	10.5	7	70	<10	0.03	0.03	<10	0.03	Flowing well, clear
	7/11/09	5.1	50	14	7	60	<10	0.15	0.15	<10	0.15	Flowing well, clear
	10/12/09	3.7	38	17	7	60	<10	0.10	0.10	<10	0.10	Lesser flow, St.Johns Wort flowering
	11/2/10	5.6	59	17.5	7	40	<10	-	-	<10	-	60mm rain over w'end, flowing v.well
	13/3/10	7.3	71	14	7	50	<10	0.12	0.12	<10	0.12	Flowing well, clear
	24/10/06	2.0	32	17	8	580	15	-	-	-	-	-
	5/11/06	2.4	22	16	8	460	20	13.4	13.4	20	13.4	30mm rain
	30/11/06	2.1	22	25	7	650	15	17.1	17.1	15	17.1	
24/12/06	2.1	21	20	8	520	20	12.2	12.2	20	12.2	20mm rain	
25/1/07	4.8	60	26.5	8	450	15	1.66	1.66	15	1.66	40mm rain	
16/4/07	4.8	50	17	7.5	430	10	0.49	0.49	10	0.49		
15/5/07	5.63	66.8	15.21	7.34	434	3.4	0.2	0.2	3.4	0.2	SCA Field Data	
17/5/07	5.5	55	14.5	7	430	<10	0.76	0.76	<10	0.76	3mm rain	
30/6/07	7.0	59	8	6.5	170	<10	0.06	0.06	<10	0.06	200mm+ rain June	
26/7/07	7.7	67	9	7	270	10	0.06	0.06	10	0.06	Slightly milky, green	
31/8/07	6.8	63	12.5	7	270	20	0.19	0.19	20	0.19	25mm, green algae on creekbed	
24/9/07	7.7	80	16	7.5	350	50	0.04	0.04	50	0.04	v. green, no frog calls	

	2/11/07	4.9	44	17	7	460	60	1.03	45mm rain, muddy
	4/11/07	-	-	-	-	-	40	-	Turbidity after 50mm storm overnite
	30/11/07	5.7	64	20.5	7.5	270	<10	0.55	Sewage spills last week, 150mm rain
	1/1/08	5.7	65	23	7.5	300	<10	0.36	Looks clear, flowing well
	29/1/08	5.5	70	25.5	7	300	<10	0.32	Slight 'fishy' odour
	9/3/08	6.3	71	20.5	7	310	<10	0.22	7mm rain, froth & bubbles
	1/4/08	6.6	72	17.5	7.5	330	10	0.64	Milky/grey/green, froth, floes of algae
	29/5/08	6.0	57	12	7	350	15	0.59	Milky/grey/green, 6 wood ducks
	31/7/08	7.1	56	5	7	340	60	-	Muddy, 150NTU at Geordie St
	30/9/08	7.2	77	18	8	220	15	1.85	A bit murky + froth + odour
	31/10/08	5.8	70	22.5	7	250	10	17.3	Phos test turned blue instantly, murky
	28/1/09	6.1	65	18	8	300	20	18.3	Green, froth on surface, odour
	1/3/09	6.4	72	20.5	7	220	10	1.14	Flowing well, phos test 'blued' quickly
	30/3/09	5.9	64	19.5	7	-	10	1.48	Green floes, booms-diesel spill last wk
	30/4/09	6.1	61	13.5	7	270	<10	-	Flowing well, clear
	28/5/09	5.9	55	12.5	7	180	<10	-	70mm rain, slightly murky, good flow
	29/6/09	-	-	11	7	200	10	-	Slightly murky, organic odour
	28/7/09	-	-	8	7	250	15	-	Murky, slightly green, floating algae
	1/9/09	6.7	61	11.5	7	240	10	15.5	Phos OverRange. Murky, froth
	30/9/09	5.5	56	16.5	7	300	15	17.8	Phos OverRange, murky
	6/11/09	5.2	54	17.5	7	270	10	16.3	Phos OverRange, murky
	9/12/09	3.8	46	25	7	280	10	19.7	Phos OverRange, murky
	11/2/10	5.2	61	23	7	200	<10	-	60mm rain over w' end, murky
	13/3/10	7.7	78	16	7	280	10	2.38	Green, algae floes thru water, froth
	24/10/06	7.4	83	13	7	30	<10	-	
	4/11/06	7.4	74	11	7	30	<10	-	
	9/1/07	5.0	52	17	7	30	<10	0.04	
	23/1/07	5.9	61	18	7	30	<10	0.06	40mm rain
	16/4/07	6.8	66	13	7	30	<10	0.02	
	7/5/07	5.9	55	12	7	30	<10	0.00	
	15/5/07	8.18	87.1	11.51	6.65	47	4.7	<0.01	SCA Field Data
	22/6/07	6.7	54	7	7	40	<10	0.02	150mm rain to date June
	26/7/07	7.6	61	7	7	30	<10	0.02	200mm+ rain in June
	31/8/07	6.9	60	9.5	7	30	<10	0.08	25mm rain, clear, good flow
	24/9/07	6.9	60	9.5	7	30	<10	0.02	Rust stains on rocks in creekbed
	2/11/07	-	-	13.5	7	30	400	0.03	45mm rain, v. muddy yellow
10	State Mine Creek, State Mine Gully Road, "Dobb's Drift" Lithgow 33° 26' 54.5" S 150° 10' 33.5" E Altitude: 1008m								

		4/11/07	-	-	-	-	30	50	-	Turbidity after 50mm storm overnite
		6/12/07	5.8	57	14	7	30	<10	0.07	150mm rain Nov, 23mm 2 days ago
		1/1/08	5.3	56	17.5	7	30	<10	0.02	Clear, lots birds, cicadas
		29/1/08	5.6	56	15.5	6.5	30	<10	0.01	Flowing well, clear
		9/3/08	6.1	60	14.5	6	30	<10	0.01	7mm rain, sediment up after storms
		1/4/08	6.0	56	12	7	30	<10	0.01	Clear, flowing well
		31/5/08	6.5	56	8.5	7	30	<10	0.01	Clear, flowing, lots of birds
		31/7/08	6.8	54	5	7	30	<10	-	Crystal clear, flowing well
		30/9/08	5.9	52	9	7	30	<10	0.03	Clear, flowing, lots of birds
		4/11/08	6.2	58	12.5	7	30	<10	0.05	Clear, flowing, a Lyrebird
		28/1/09	4.9	52	17.5	7	30	<10	0.01	Clear, flowing
		1/3/09	5.5	56	16	7	30	<10	0.11	Crystal clear, flowing
		6/4/09	6.0	57	13	7	30	<10	-	30mm+ rain, flowing v. well, clear
		30/4/09	6.1	55	10	7	30	<10	-	Flowing well, crystal clear
		28/5/09	6.3	56	10	7	30	<10	-	70mm rain, Flowing well, Lyrebird
		29/6/09	-	-	9	7	30	<10	-	Recent rain, flowing well, clear
		1/9/09	6.6	56	8.5	7.5	30	<10	0.10	Recent rain, clear, flowing well
		30/9/09	6.1	53	9	7	30	<10	0.08	Flowing, clear
		7/11/09	6.0	56	12.5	7.5	30	<10	0.08	Flowing, crystal clear
		10/12/09	6.0	58	14	7	30	<10	0.12	Flowing, clear
		11/2/10	6.2	64	16.5	7	30	<10	-	60mm rain over w'end, flowing well
		13/3/10	8.2	79	13.5	7	30	<10	0.00	Crystal clear, flowing
		24/10/06	5.6	78	15	7	40	<10	-	
		4/11/06	7.4	83	13	7	40	<10	-	
		24/12/06	3.5	38	19	6	40	<10	0.01	20mm rain
		16/4/07	6.4	60	12	7	40	<10	0.00	
		7/5/07	6.7	66	11	7	30	<10	0.05	
		15/5/07	8.49	92.8	11.6	7.30	65	1.7	<0.01	SCA Field Data
		22/6/07	6.8	56	7	7	70	<10	0.02	150mm rain to date June
		26/7/07	7.1	58	6.5	7	30	<10	0.02	200mm+rain in June
		31/8/07	6.3	57	10.5	7	30	<10	0.01	25mm rain, clear, good flow
		27/9/07	6.0	58	13.5	7	30	<10	0.01	Clear, flowing, saw a Lyrebird
		2/11/07	6.5	65	15	7	30	15	0.02	45mm rain, slightly turbid
		4/11/07	-	-	-	-	20	10	-	Turbidity after 50mm storm overnite
		6/12/07	5.2	52	15	7	40	<10	0.04	150mmNov, 23mm 2 days ago, clear
		1/1/08	4.5	48	18	7	20	<10	0.03	Black cockatoos & lots other birds
11	Farmer's Creek, Oakey Park, "Waterworks Gully", Lithgow 33° 27' 49.6" S 150° 11' 49.1" E Altitude: 949									

		29/1/08	4.9	54	19	7	30	<10	0.02	Flowing well, crystal clear
		9/3/08	5.7	58	17	7	20	<10	0.02	7mm storm 2 days ago
		1/4/08	6.5	60	12	7	30	<10	0.01	Clear, flowing well
		31/5/08	6.4	56	8	7	30	<10	0.02	Clear, roadwork may cause erosion
		31/7/08	7.2	56	4.5	6.5	20	<10	0.02	Clear, flowing well, lots of birds
		30/9/08	5.4	50	10.5	7	20	<10	0.04	Clear, flowing well, lots of birds
		4/11/08	5.4	53	14	7	20	<10	0.11	Clear, flowing well, lots of birds
		28/1/09	4.0	48	21	7	30	<10	0.02	Clear, flowing well, lots of birds
		26/2/09	5.1	54	17.5	7	20	<10	0.05	Clear, 30mm rain last 7 days
		6/4/09	6.1	60	15	7	30	<10	-	30mm+ rain, flowing v. well, clear
		30/4/09	6.1	55	10	7	30	<10	-	Flowing well, crystal clear
		28/5/09	6.1	54	10	7	30	<10	-	70mm rain, Flowing v. well, Lyrebird
		29/6/09	-	-	9	7	30	<10	-	Recent rain, flowing well clear
		28/7/09	-	-	7.5	7	40	<10	-	Recent rain, clear flowing well
		1/9/09	6.4	55	8.5	7	20	<10	0.03	Recent rain, clear
		30/9/09	6.0	53	10	7.5	30	<10	0.10	Flowing well, crystal clear
		7/11/09	5.4	51	13	7.5	20	<10	0.12	Flowing, clear, upstream Dam is 90EC
		10/12/09	5.4	54	15.5	7.5	50	10	0.10	Milky, Road closed - tested near WTP
		11/2/10	5.6	60	18.5	7	60	<10	-	60mm rain w' end, dam overflowing
		13/3/10	7.4	73	14.5	7	30	<10	0.02	Flowing, lots birds, G. acanth in flower
12	River Lett, Jenolan	30/12/06	1.9	19	18	7	210	30	0.00	12mm rain
	Caves Road, Hartley	21/1/07	2.4	24	20	6	410	10	0.02	69mm Hartley
	33° 32' 45.1" S	16/4/07	4.8	48	15	7	160	<10	0.02	
	150° 09' 52.6" E	6/5/07	5.2	48	11	7	130	<10	0.04	
	Altitude: 717m	15/5/07	8.62	92.9	11.17	7.22	137	4.3	<0.01	SCA Field Data
		28/6/07	7.3	60	7	7	130	10	0.05	200mm+ rain June
		26/7/07	6.9	57	7	7.5	190	<10	0.08	
		26/8/07	6.8	60	10	7	160	<10	0.02	Flowing well, clear, no frogs
		27/9/07	6.8	64	12	7	180	<10	0.04	Lots frogs, butterflys, birds
		2/11/07	5.5	55	15	7	150	<10	0.03	45mm rain, tea-tree colour
		6/12/07	5.7	60	18.5	7	140	<10	0.04	150mmNov, 23mm 2 days ago
		1/1/08	5.3	59	20	7	130	<10	0.01	Tea-tree stained, flowing well
		29/1/08	5.8	66	21	7	110	<10	0.01	Flowing well, clear
		9/3/08	6.0	64	18	7.5	140	<10	0.03	7mm rain. EC 80 at Londonderry
		12/3/08	-	-	-	-	-	-	-	1x White-tailed Water Rat
		1/4/08	4.3	40	11.5	7	140	<10	0.01	Eastern water dragon, dragon flies

	31/5/08	7.3	60	7.5	7	200	<10	0.12	Clearer than usual, EC & P seem high
	31/7/08	7.4	60	5	7	190	<10	-	Flowing, clear, new sign installed
	30/9/08	6.5	51	13	7	140	<10	0.04	Flowing, clear, Green Corps on-site
	31/10/08	6.4	70	19	7	130	<10	0.07	Flowing, clear
	28/1/09	3.2	36	22	7	120	15	0.11	Tea-tree stained, 2 Eastn Water Dragon
	26/2/09	5.3	60	18.5	7	100	<10	0.03	Flowing, clear, a fish 200mm long
	30/3/09	5.3	53	15.5	7	120	<10	0.08	Flowing, clear
	30/4/09	6.6	59	10	7	100	<10	-	Flowing, clear
	28/5/09	7.1	64	10.5	7	140	<10	-	70mm rain, flowing very well
	29/6/09	-	-	9	7	190	<10	-	Recent rain, slightly murky, good flow
	28/7/09	-	-	7	7	300	<10	-	Good flow, froth, salinity is up?
	1/9/09	7.0	61	9.5	8	250	<10	0.08	Recent rain, clear
	30/9/09	7.0	62	10	7	210	<10	0.08	Flowing, clear
	6/11/09	5.7	58	16	7.5	140	<10	0.13	Flowing, tea-tree stained
	9/12/09	3.4	37	19	7	140	10	0.15	Level low, tea-tree stained & muddy
	11/2/10	5.8	64	20.5	7	90	<10	-	60mm rain w'end. Flowing well
	13/3/10	8.5	83	14	7	90	<10	0.01	Tea-tree stained, flowing, clear
13 Cox's River, Maggie Hollow , end of Sir Thomas Mitchell Drive, Lake Lyell 33° 30' 02.5" S 150° 04' 22.5" E Altitude: 788m	24/10/06	8.1	76	14	9	750	60	-	Water is green
	5/11/06	8.6	88	17	9	730	15	0.44	30mm rain Water is green
	30/11/06	9.1	110	24	9	880	20	0.20	Water is green
	30/12/06	9.7	119	24	9	870	20	0.14	12mm rain Water is green
	25/1/07	8.4	110	29	9	840	50	0.27	40mm rain, Water green
	16/4/07	5.4	58	19.5	8	910	20	0.05	Water is green
	15/5/07	8.5	104.6	16.81	7.9	945	12.5	0.01	SCA Field Data
	28/6/07	6.8	58	8	7	530	20	0.08	200mm+ rain June
	26/7/07	6.8	58	9	7	530	10	0.05	Slightly green
	26/8/07	8.6	80	12	8	520	60	0.08	Dense green algae, water green
	27/9/07	6.4	62	14	8.5	550	30	0.04	Water green, dense algae on edges
	2/11/07	5.1	56	17.5	7	570	10	0.24	45mm rain, not green for once
	6/12/07	4.5	50	20	7	550	<10	0.10	150mm Nov, 23mm 2 days ago
	1/1/08	4.8	65	26	9	570	20	0.12	Algae on edge, motorboats/mud
	29/1/08	7.9	98	25.5	9	610	20	0.08	Algae edge, musty rotting weed smell
	9/3/08	7.5	89	23	8.5	590	20	0.06	AP=0.74 upstream, 0.20 downstream?
	1/4/08	4.8	51	18	7	580	<10	0.09	Flocs of algae on edge, Farmers Ck green
31/5/08	6.4	60	12	7	640	<10	0.19	Clear, flocs of algae around edge	
31/7/08	7.4	64	9	7.5	600	<10	-	Greenish, water level down 1.5m on last	

		30/9/08	6.8	70	16	8	530	<10	0.22	Farmers Ck arm green, Gorse flowering
		31/10/08	7.5	84	20	9	530	<10	0.13	Farmers Ck arm green, Gorse flowering
		28/1/09	5.7	72	26	8	530	<10	0.12	Flocs of green algae in water column
		26/2/09	7.3	84	21	8.5	520	10	0.09	Farmers Ck arm green, 30mm rain-7days
		30/3/09	6.8	75	20	8.5	520	10	0.12	Green, light-green floating algae on edge
		30/4/09	6.2	64	16	8	590	<10	-	1m lower than last time, clear
		28/5/09	6.3	61	14	7.5	550	<10	-	70mm rain, Farmers Ck arm milky/green
		29/6/09	-	-	10.5	7.5	610	<10	-	Tested SE side near illegal Council quarry
		28/7/09	-	-	9.5	8	610	10	-	Slight green tinge, murky
		1/9/09	7.5	70	12	8.5	600	15	0.31	Recent rain, green edges further down
		30/9/09	9.5	94	15	8.5	580	15	0.31	Green, algae thru water column
		6/11/09	8.0	86	19	9	650	10	0.34	Green, algae around edges, 2m lower
		9/12/09	6.7	79	23.5	9	660	20	0.25	Muddy+green tinge, ski boats, lower
		11/2/10	7.4	90	25	9	650	10	-	60mm rain, algae around edges, greenish
		13/3/10	7.7	83	19	7.5	740	<10	0.15	Light green algae water edge, level lower
		24/10/06	6.1	60	19	9	1100	<10	-	
		18/11/06	8.0	89	19.5	9	1130	<10	0.29	
		27/12/06	6.3	72	22	9	1140	<10	-	
		9/1/07	-	-	-	-	1200	-	-	
		24/1/07	6.4	74	25	9	1100	<10	0.45	40mm rain
		12/4/07	6.5	68	17.5	9	1130	<10	0.55	
		29/4/07	-	-	-	-	1150	-	-	18mm rain
		15/5/07	7.8	93.9	16.00	8.82	1146	0.2	0.17	SCA Field Data
		24/5/07	-	-	-	-	1010	-	-	48mm, overflowing dam wall
		12/7/07	-	-	-	-	730	-	-	Overflowing dam wall
		19/7/07	-	-	-	-	710	-	-	Not overflowing dam wall
		17/8/07	-	-	9	-	690	<10	-	8mm rain, spillway not overflowing
		24/9/07	-	-	13	8.5	750	<10	-	Dam wall not overflowing
		11/10/07	-	-	18	8.5	720	<10	-	Dam wall not overflowing
		4/11/07	-	-	-	-	850	15	-	Top end of lake, 50mm storm o' nite
		9/4/08	6.6	69	16.5	8.5	700	<10	0.26	Day after acid spill at Wang power station
		17/6/08	-	-	-	-	810	<10	-	Clear, dam wall not overflowing
		28/1/09	5.6	68	24.5	8.5	620	<10	0.27	Clear, not overflowing
		1/3/09	7.8	94	23	9	640	15	0.10	Flocs of algae in water column, sly green
		29/5/09	-	-	11	8.5	800	<10	-	70mm rain. West outlet pumping 650EC
		28/6/09	-	-	9	8	850	<10	-	Rain o' nite, clear, not overflowing

14

Lake Wallace
Wallerawang
33°25'0.26"S
150° 4'30.95"E
Altitude: 872m

		1/9/09	6.9	66	11	8	780	<10	0.09	Clear, rain last few days, <u>not</u> overflowing
		4/11/09	6.0	76	20.5	8.5	830	<10	0.12	Clear, no algae evident, <u>not</u> overflowing
		11/12/09	5.7		20.5	9	820	<10	-	Clear, level down 0.5m, <u>not</u> overflowing
		20/2/10	5.8	68	22.5	8.5	780	<10	0.38	100m rain, clear, dam overflowing
15	Piper's Flat Creek Bray's Lane (1 st causeway), Wallerawang 33°24'18.00"S 150° 3'49.06"E Altitude: 883m	24/9/06	-	-	-	-	>1999	-	-	
		24/10/06	4.8	58	15	7	1980	15	-	
		9/1/07	-	-	-	-	1550	-	-	
		28/1/07	-	-	-	-	890	-	-	40mm rain
		26/4/07	-	-	-	-	1910	-	-	Rusty orange
		1/5/07	-	-	-	-	1660	-	-	Rusty orange
		6/5/07	-	-	-	-	1710	-	-	Rusty orange
		13/5/07	-	-	-	-	1650	-	-	Rusty orange
		24/5/07	-	-	-	-	1390	-	-	48mm rain
		1/6/07	-	-	-	-	1380	-	-	8mm rain
		22/6/07	-	-	-	-	320	-	-	35mm, muddy
		15/7/07	-	-	-	-	540	20	-	Rusty coloured
		4/8/07	0.4	5	10	6	1480	30	1.04	V. rusty coloured, flowing
		17/8/07	-	-	10	-	1370	30	-	8mm rain yesterday, rusty coloured
		31/8/07	-	-	11	5.5	1440	30	-	25mm rain, rusty yellow, flowing
		1/9/07	1.2	10	10.5	6	1480	20	-	Rusty orange, some frog calls
		11/10/07	-	-	15	-	1420	40	-	Rusty orange,
		4/11/07	-	-	-	-	230	100	-	Turbidity after 50mm storm overite
		1/1/08	-	-	-	-	1220	40	-	v.rusty brown, filmy debris on surface
		17/6/08	-	-	-	-	1550	40	-	v.rusty, oil film, recent pipe works
		1/10/08	1.7	15	11.5	6	1170	30	0.05	v.rusty, blobs iron bacteria on surface
		28/1/09	-	-	22	-	1090	30	-	v.rusty,algae/ironodour, poss Gambusia
		3/3/09	3.0	36	18.5	6	1180	30	0.07	v.rusty,algae/iron odour
		26/6/09	-	-	9	6	1540	40	-	v. rusty yellow, rain o' nite, slight flow
		2/9/09	-	-	10.5	6	1370	50	0.11	v. rusty yellow, recent rain, some frogs
		7/11/09	-	-	15	6	1430	30	-	v. rusty, floating dark brown algal blobs
		13/3/10	-	-	16	6	1560	40	-	Slight flow, v. rusty as usual
16	Creek in Bray's Lane (2 nd causeway), Wallerawang – below STP outfall	26/10/06	3.9	20	16	7	650	10	-	
		28/1/07	-	-	-	-	570	-	-	40mm rain
		29/4/07	-	-	-	-	530	-	-	18mm rain
		24/5/07	-	-	-	-	430	-	-	48mm rain

33°24'15.02"S 150° 3'49.62"E Altitude: 883m	22/6/07	-	-	-	-	-	270	-	-	35mm rain	
	15/7/07	-	-	-	-	-	370	<10	-	Flowing well	
	17/8/07	-	-	9	-	-	500	<10	-	8mm rain yesterday	
	7/9/07	5.2	46	10	7	-	530	<10	9.6	Lots bubbles surface, 79H P test	
	11/10/07	-	-	16	-	-	620	10	-		
	1/1/08	-	-	-	-	-	510	<10	-	Slight oil-slick on surface	
	17/6/08	-	-	-	-	-	510	<10	-	Flowing, disturbance pipe works	
	1/10/08	-	-	12.5	-	-	460	<10	-	Flowing well, clear	
	28/1/09	1.9	20	21	7	-	400	15	29.5	Organic odour, poss. Gambusia	
	28/6/09	-	-	10	7	-	620	<10	-	Flowing well, clear, froth & bubbles	
	17 Piper's Flat Dam, Wallerawang 33°22'18.78"S 150° 0'35.56"E Altitude: 940m	26/10/06	8.0	78	17	8	-	290	<10	-	
4/2/07		-	-	-	-	-	320	-	-		
1/5/07		-	-	-	-	-	320	-	-		
22/7/07		7.5	61	7	7	-	230	<10	0.04	Tea coloured but clear	
3/6/09		-	-	11	-	-	250	<10	-	80mm rain May. Full. 4 Swans	
24/10/06		3.9	40	17	6	-	1240	15	-		
18/11/06		5.5	54	15	6	-	1240	10	-		
31/12/06		4.1	42	17	7	-	1290	10	-	12mm rain	
25/1/07		3.6	42	24	6	-	1280	15	0.09	40mm rain	
1/4/07	-	-	-	-	-	1460	-	-			
18 Lambert's Gully Ck, Castlereagh Hwy, Blackman's Flat (downstream Lambert's Gully mine, coal washery, coal fines recovery projects, coal conveyor, and proposed LCC Regional Solid Waste Landfill. 33° 21' 49.0" S 150° 03' 30.6" E Altitude: 904m	12/4/07	5.1	54	18	9	-	1450	10	0.06		
	22/4/07	-	-	-	-	-	1520	-	-		
	23/4/07	-	-	-	-	-	1510	-	-		
	29/4/07	-	-	-	-	-	1410	-	-	18mm rain	
	6/5/07	-	-	-	-	-	1420	-	-		
	15/5/07	5.98	68.5	13.55	6.73	-	1410	8.2	<0.01	SCA Field Data	
	26/5/07	-	-	-	-	-	970	-	-	48mm rain	
	1/6/07	-	-	-	-	-	1040	-	-	8mm rain	
	14/6/07	-	-	-	-	-	870	-	-	88mm rain	
	22/6/07	-	-	-	-	-	1170	-	-	35mm, no frogs	
30/6/07	6.1	53	8.5	7	-	1230	15	0.04	34mm, muddy		
23/7/07	6.4	55	8	7	-	1210	10	0.03	Rusty creekbed		
29/7/07	-	-	-	-	-	1180	<10	-	-	Rusty creekbed, no frogs	
28/8/07	-	-	12.5	6.5	-	1120	10	-	-	25mm rain, rusty coloured water	
7/9/07	-	-	10.5	7	-	1050	<10	-	-	Rusty creekbed, no frogs	

	27/9/07	-	-	13.5	6	1010	10	-	Oil slick on surface, milky, no frogs
	11/10/07	-	-	16	6	1010	10	-	Oil slick on surface, slightly turbid
	30/10/07	-	-	-	-	1140	10	-	Oil slick with round silver blobs
	4/11/07	-	-	-	-	-	200	-	Turbidity after 50mm storm overnite
	30/11/07	-	-	19.5	-	1140	10	-	150mm rain Nov, muddy/milky
	31/12/07	-	-	22	-	1220	15	-	Rust colour water, rust on creekbed
	20/1/08	-	-	18	6.5	890	30	-	Muddy after 70mm rain o'nite
	2/3/08	-	-	15	-	1200	10	-	71 mm rain. Slightly muddy
	2/4/08	-	-	15.5	6.5	1040	10	-	Oil slick, flowing, rusty creekbed
	30/7/08	-	-	8	-	1150	10	-	Flowing, slight oil slick
	30/9/08	-	-	13.5	6	1100	10	-	Flowing, rusty colour, iron odour
	31/10/08	3.1	34	18	5.5	1110	10	0.08	
	25/1/09	5.0	58	22	6	1120	<10	0.06	Milky/rust colour, good flow, Gambusia
	25/2/09	-	-	22.5	6.5	1120	<10	-	Yellow/rusty, flowing, 30mm rain 7 day
	1/4/09	-	-	17.5	6	1200	10	-	20mm o'nite,rusty,good flow,Gambusia
	31/5/09	-	-	10	6	1390	<10	-	Blue/grey, oil slick
	28/6/09	-	-	9.5	6.5	1510	<10	-	Flowing well, clear, slight oil slick
	28/7/09	-	-	9	6	1500	15	-	Higher flow than usual, iron odour, yellow
	1/9/09	-	-	8.5	6	1290	<10	-	Usual flow, oil slick on surface. Iron odour
	30/9/09	-	-	12	-	1310	10	-	Yellow, oily scum on surface
	6/11/09	-	-	17	6	1650	15	-	Yellow/brown, pronounced oil slick
	12/12/09	-	-	19	-	1420	10	-	Low flow, rusty muck on surface, yellow
	11/2/10	1.6	17	20	5.5	1180	15	-	60mm rain w'end, brown, oil slick, low DO
	12/3/10	7.0	-	16	6	1750	<10	-	High flow, slightly milky, poss. Gambusia
	30/1/07	-	-	-	-	1680	-	-	
	13/2/07	-	-	-	-	1460	-	-	39mm rain
	19/2/07	-	-	-	-	1480	-	-	10mm rain
	1/4/07	-	-	-	-	1280	-	-	
	21/5/07	-	-	-	-	1210	-	-	48mm rain
	26/5/07	-	-	-	-	1320	-	-	
	1/6/07	-	-	-	-	1320	-	-	8mm rain
	14/6/07	-	-	-	-	1010	-	-	88mm rain, muddy
	30/6/07	-	-	-	-	910	-	-	200mm+ rain June, grey
	15/7/07	-	-	-	-	990	<10	-	Ice d-over surface
	19/7/07	-	-	-	-	1030	<10	-	Ice d-over surface
	29/7/07	-	-	-	-	1080	<10	-	Ice d-over surface
19	Un-named Creek, Castlereagh Hwy, Blackman's Flat (downstream Mt Piper power station, 150m SE of Site 5) 33° 21' 03.4" S 150° 02' 32.7" E Altitude: 929m								

	S 33° 25' 46.80" E 150° 0' 36.72" Altitude: 922m																	
22	Cox's R. between Lake Wallace & Lake Lyell (Mt Walker Fire Trail) Approx. 5km downstream of Lake Wallace and "Tortuous Watercourse" 33° 28' 17.6" S 150° 04' 58.9" E Altitude: 803m	1/5/07	6.7	66	14	8	1770	15	0.01	15	Water grey							
		3/5/07	5.6	57	14	8	1770	15	0.43	15	Water grey							
		7/5/07	-	-	-	-	1880	-	-	-	Water grey							
		10/5/07	-	-	-	-	1810	-	-	-	Water grey							
		15/5/07	10.93	122.9	12.56	8.62	1970	19.7	0.15	19.7	SCA Field Data 3mm rain, grey							
		17/5/07	-	-	-	-	1650	-	-	-	48mm rain, grey							
		24/5/07	-	-	-	-	1520	-	-	-	200mm+ rain June, grey							
		1/6/07	-	-	-	-	1610	-	-	-	Flowing, water grey							
		19/7/07	7.3	58	6	8	480	20	0.09	20	Water grey, odour							
		22/7/07	-	-	-	-	1010	15	-	15	Water grey							
		26/7/07	-	-	-	-	970	20	-	20	Water grey							
		17/8/07	-	-	9.5	-	1270	15	-	15	8mm rain yesterday, water grey							
		31/8/07	8.1	73	11.5	8.5	960	15	0.09	15	25mm rain, grey/green							
		11/10/07	-	-	17.5	8.5	1370	<10	-	<10	Much clearer than usual							
		4/11/08	4.7	48	16	7.5	670	<10	0.16	<10	Clearer than before, more bullrushes							
		31/1/09	4.4	50	21	7.5	760	<10	0.40	<10	Clearer than usual, lots of cumbungi							
		3/6/09	7.6	70	11	8	850	<10	-	<10	Flowing, clear, Lake W <u>not</u> overflowing							
		5/9/09	7.4	69	10	8.5	1090	<10	0.17	<10	Flowing, clear, Lake W <u>not</u> overflowing							
		3/11/09	6.0	78	22	8	1340	<10	0.34	<10	Flowing, clear, Lake W <u>not</u> overflowing							
		11/12/09	6.5	20	20	8	1320	<10	0.44	<10	Flowing, clear, Lake W <u>not</u> overflowing							
		13/3/10	9.0	17.5	17.5	8	1410	<10	0.32	<10	Rotten egg gas odour, <u>not</u> overflowing							
23	"Tortuous Water course" , Rocky Waterhole Drive, Wallerawang – Wang Power Station No. 8 cooling tower blowdown, concentrates from demin plant, and other discharges into Cox's River below Lake Wallace (includes	1/5/07	6.9	74	17.5	8	>1999	20	0.65	20	Water grey							
		3/5/07	-	-	-	-	>1999	-	-	-	Water grey							
		6/5/07	-	-	-	-	>1999	-	-	-	Water grey							
		7/5/07	-	-	-	-	>1999	-	-	-	Water grey							
		10/5/07	-	-	-	-	>1999	-	-	-	Water grey							
		13/5/07	-	-	-	-	>1999	-	-	-	Water grey							
		14/5/07	-	-	-	-	>1999	-	-	-	Water grey							
		15/5/07	7.28	91.9	17.82	8.42	2140	46.1	0.22	46.1	SCA Field Data Water grey							
		17/5/07	-	-	-	-	>1999	-	-	-	Water grey							
		24/5/07	-	-	-	-	>1999	-	-	-	48mm rain, water grey							
		1/6/07	-	-	-	-	>1999	-	-	-	200mm+ rain June, water grey							
		14/6/07	-	-	-	-	1800	40	-	40	88mm rain, water grey							

Springvale Transfer up to June 2008) 33° 25' 27.8" S 150° 04' 53.0" E Altitude: 870m	22/6/07	-	-	-	-	-	-	950	40	-	Water grey, rain upstream
	12/7/07	-	-	-	-	-	-	1620	40	-	Water grey, froth
	17/7/07	-	-	-	-	-	-	1710	40	-	Water grey, froth
	19/7/07	5.6	48	9	8.5	1880	50	0.28	50	0.28	Water grey, has a sewage odour
	22/7/07	-	-	-	-	1820	40	-	40	-	Water grey, has a sewage odour
	26/7/07	-	-	-	-	1790	40	-	40	-	Photo taken of dirty froth
	4/8/07	-	-	-	8.5	1710	40	-	40	-	4mm rain o' nite, dirty grey
	17/8/07	7.3	71	14	8.0	>1999	20	0.16	20	0.16	8mm rain, grey, flow more than usual
	31/8/07	-	-	18	8.5	1840	30	-	30	-	25mm rain, grey, froth, 12.5°C in river
	7/9/07	-	-	17	8.5	>1999	30	-	30	-	Water grey, warmer than Cox's R
	14/9/07	-	-	16	8.5	1840	30	-	30	-	Water grey
	24/9/07	-	-	16	8.5	1950	30	-	30	-	Water grey, 3°C warmer than Cox's
	11/10/07	5.6	64	21.5	8.5	>1999	30	0.08	30	0.08	Water grey, 4.5°C warmer than Cox's
	4/11/07	-	-	-	-	1870	30	-	30	-	Turbidity after 50mm storm overnite
	6/12/07	4.1	47	22.5	8.5	1960	20	0.44	20	0.44	150mm rain 23mm 2 days ago
	31/12/07	5.0	60	24.5	8.5	1580	30	0.27	30	0.27	Slight detergent/chemical odour
	20/1/08	6.0	66	20	8.5	>1999	15	0.58	15	0.58	70mm rain o' nite. Sewage odour.
	2/3/08	6.0	62	17	8.5	1940	20	0.78	20	0.78	71 mm rain, red stain on bank
	9/4/08	7.2	77	18	8.0	1980	40	0.45	40	0.45	Day after acid spill at Wang Power Stati
	29/5/08	6.5	59	11	8.0	1830	<10	0.17	<10	0.17	Lowest flow ever, just a trickle
	17/6/08	-	-	-	-	1930	<10	-	<10	-	Flowing usual amount, clear, some froth
	3/7/08	-	-	10	-	1830	20	-	20	-	High flow, lots of dirty froth
	29/7/08	-	76	11	8.5	2464	26	-	26	-	Uni EC metre, green, froth, organic odour
	12/8/08	-	-	9	7.5	>1999	30	-	30	-	Flowing well, grey, froth, odour
	1/10/08	6.4	64	15	8	1610	20	0.08	20	0.08	Transfer <u>not</u> flowing, less froth, clearer
	4/11/08	4.7	50	19	8	1580	15	0.35	15	0.35	Algal smell, Cox's River 14°C,
	28/1/09	4.7	56	24.5	8	950	15	0.33	15	0.33	Flowing well, cleaner than usual
	1/3/09	5.5	63	21.5	8.5	1480	15	0.40	15	0.40	Flowing well, AP 0.1 in Lake Wallace
	1/4/09	5.8	60	18	8	1720	15	-	15	-	20mm o' nite, grey
	29/5/09	5.9	57	14	8	>1999	20	-	20	-	70mm rain. Froth, 4 ⁰ warmer than Lake
28/6/09	-	-	12	8	>1999	10	-	10	-	Rain o' nite. Normal flow. 3 ⁰ warmer	
1/9/09	6.8	67	12	8.5	1860	<10	0.20	<10	0.20	Clear, recent rain, dam <u>not</u> o' flowing	
4/11/09	4.6	60	22.5	8.5	1980	10	0.36	10	0.36	Slightly murky, minor froth on surface	
11/12/09	5.7		21	8.5	1700	15	0.44	15	0.44	No.8 Unit <u>not</u> operating this week	
3/1/10	-	-	-	-	-	-	-	-	-	Not flowing. Unit 7 & 8 out over Xmas	
10/1/10	5.4		27	9	1380	15	-	15	-	Unit 8 still out, Unit 7 started again Sun. Lake not o' flowing, despite rain & STT?	

		21/2/10	-	-	-	-	-	-	-	-	-	-	-	-	-	Unit 8 started again 21/2/10
		12/3/10	7.3	-	19	7.5	-	-	>1999	15	0.83	-	-	-	-	Lake Wallace <u>not</u> overflowing
24	Cox's River, Great Western Highway, Wallerawang 33°25'39.22"S 150° 4'52.19"E Altitude: 840m	13/5/07	-	-	-	-	-	-	1960	-	-	-	-	-	-	Water is grey
		17/5/07	-	-	-	-	-	-	1900	-	-	-	-	-	-	3mm rain, grey
		24/5/07	-	-	-	-	-	-	1860	-	-	-	-	-	-	48mm rain, grey
		1/6/07	-	-	-	-	-	-	1880	-	-	-	-	-	-	8mm rain, grey
		14/6/07	-	-	-	-	-	-	1270	-	-	-	-	-	-	88mm rain, grey
		12/7/07	-	-	-	-	8.5	-	1620	40	-	-	-	-	-	Usual froth, grey
		19/7/07	5.7	48	8	8	8.5	-	1640	40	0.23	-	-	-	-	Grey, odour
		26/7/07	-	-	-	-	-	-	1580	30	-	-	-	-	-	Grey
		4/8/07	-	-	-	-	8.5	-	1450	40	-	-	-	-	-	4mm rain o' nite, grey
		17/8/07	-	-	10	10	8.5	-	1780	20	-	-	-	-	-	8mm rain yesterday, grey
		31/8/07	5.7	61	18	18	8.5	-	1640	30	0.09	-	-	-	-	25mm rain, Temp 12.5° upstream
		7/9/07	-	-	16	16	8.5	-	1760	30	-	-	-	-	-	Temp 12.5° C upstream of discharge
		24/9/07	-	-	15	15	8	-	1470	15	-	-	-	-	-	Temp 13° C upstream,
		11/10/07	-	-	20.5	20.5	8.5	-	1610	15	-	-	-	-	-	Temp 17° C upstream
		6/12/07	5.0	58	22.5	22.5	8.5	-	1590	15	0.58	-	-	-	-	150mm rain Nov 23mm 2 days ago
		31/12/07	6.9	84	24	24	8.0	-	1420	20	1.71	-	-	-	-	Grey/blue, rotten weed/sewage smell
		20/1/08	6.2	66	20	20	7.5	-	1600	15	0.44	-	-	-	-	70mm rain o' nite. Odour. Milky
2/3/08	5.8	60	17	17	8.0	-	1500	15	0.74	-	-	-	-	71 mm rain, red stain on bank		
17/6/08	-	-	-	-	-	-	1410	10	-	-	-	-	-	Slightly green, s.l. privet fruiting		
3/7/08	-	-	9	9	7.5	-	1500	15	-	-	-	-	-	Grey/green. Odour. SL Privet in fruit		
29/7/08	-	-	10	10	8	-	1860	-	-	-	-	-	-	Grey/green, rich algal odour		
28/1/09	4.4	53	24.5	24.5	7.5	-	820	15	0.40	-	-	-	-	Slightly murky, organic odour		
3/3/09	5.0	-	19.5	19.5	7.5	-	1200	10	0.43	-	-	-	-	Less murky than usual, a crayfish		
1/4/09	5.4	58	18	18	8	-	1300	10	-	-	-	-	-	18mm o' nite, dam wall <u>not</u> o' flowing		
29/5/09	5.5	53	13	13	8	-	1820	15	-	-	-	-	-	70mm rain, grey, dam <u>not</u> overflowing		
28/6/09	-	-	11.5	11.5	8	-	1780	10	-	-	-	-	-	Rain o' nite, dam wall <u>not</u> overflowing		
1/9/09	6.5	66	13	13	8.5	-	1570	<10	0.16	-	-	-	-	Clearer than usual, dam <u>not</u> overflow'g		
4/11/09	5.1	66	21.5	21.5	8	-	1680	10	0.35	-	-	-	-	2 water dragon, clear, dam <u>not</u> o' flowg		
12/3/10	7.0	-	18	18	8	-	1630	10	0.64	-	-	-	-	Lake Wallace <u>not</u> overflowing		
25	Cox's River, McKanes Bridge,	7/5/07	-	-	-	-	-	740	-	-	-	-	-	-	-	48mm rain
		25/5/07	-	-	-	-	-	640	-	-	-	-	-	-	-	200mm+ rain in June
		26/7/07	-	-	-	-	-	250	<10	-	-	-	-	-	-	

	33°32'57.66"S 150° 7'25.69"E Altitude: 724m	27/9/07	-	-	14	7.5	390	<10	-	A bit turbid, lots frogs, birds
		1/1/08	-	-	-	-	350	<10	-	Froth&bubbles. Floating water weed
		9/3/08	5.7	64	20.5	7.5	340	<10	0.20	7mm storm 2 days ago, tea-tree stain
		30/7/08	-	-	6	7.5	430	<10	-	Flowing well, clear
		30/9/08	-	-	16	-	310	<10	-	Slightly murky, flowing well
		26/2/09	-	-	19.5	7	480	<10	-	Clear, 30mm rain last 7 days
		30/3/09	-	-	17.5	7.5	500	<10	-	Flowing well, clear, Gambusia
		30/4/09	7.3	70	12.5	7.5	460	<10	-	Flowing well, clear
		28/5/09	-	-	11.5	7	350	<10	-	Flowing well, reasonably clear
		29/6/09	-	-	9	7.5	370	<10	-	Flowing well, clear
		28/7/09	-	-	8	-	380	<10	-	Recent rain
		1/9/09	-	-	11	-	330	<10	-	Recent rain, clear
		13/3/10	-	-	14.5	-	650	<10	-	Slightly murky
26	Cox's R, Glenroy Bridge 33°32'56.89"S 150° 8'51.41"E Altitude: 682m	7/5/07	-	-	-	-	650	-	-	
		26/7/07	-	-	-	-	250	<10	-	200mm+ rain in June
		27/9/07	-	-	14	7.5	390	<10	-	Milky/green, lots birds
27	Invincible Colliery Drainage Borehole (Long Swamp, Ben Bullen State Forest) 33°18'32.90"S 150° 05'37.90"E Altitude: 954m	10/6/07	-	-	-	-	1400	-	-	83mm rain, Fe/Mn slime
		14/6/07	-	-	-	-	1400	-	-	5mm more rain, Fe/Mn slime
		18/6/07	-	-	-	-	1400	-	-	25mm, No Frogs, Fe/Mn slime
		22/6/07	-	-	-	-	1360	-	-	35mm, No Frogs, Fe/Mn slime
		28/6/07	4.5	42.3	19.8	6.58	1649	7.2	-	SCA Sampling Data. Anoxic smell
		18/7/07	1.5	16.9	20.1	6.57	1648	1.7	-	SCA Sampling Data. Anoxic smell
		20/7/07	3.8	40	18	6.5	1370	<10	0.02	Temp 10° higher than creek, Fe/Mn
		28/7/07	-	-	-	-	-	-	-	Not flowing today, Fe/Mn slime
		27/8/07	-	-	-	-	-	-	-	Not flowing today, Fe/Mn slime
		7/9/07	-	-	-	-	-	-	-	Not flowing, 2 dead Euc & Lepto
		11/10/07	-	-	-	-	-	-	-	Not flowing, Lepto' sooty-mould
		2/3/08	-	-	-	-	1350	-	-	Low flow, Rotten egg gas odour
		1/4/08	-	-	-	-	1380	-	-	Huge flow, Rotten egg gas odour
		7/4/08	-	-	-	-	1370	-	-	Huge flow, Rotten egg gas odour
		29/5/08	-	-	-	-	1280	-	-	Not flowing, 15mm rain o'nite
28	Cox's River, Ben Bullen State Forest (approx 1km downstream from above)	19/10/06	2.6	37	12	5.5	40	<10	-	
		24/1/07	-	-	20	6	40	10	-	38mm rain
		12/4/07	-	-	15	6	50	<10	-	

Invincible borehole) 33° 18' 48.2" S 150° 05' 48.9" E Altitude:	10/6/07	-	-	-	-	-	-	830	-	-	-	-	83mm rain
	14/6/07	-	-	-	-	-	-	950	-	-	-	-	5mm more rain
	18/6/07	-	-	-	-	-	-	920	-	-	-	-	25mm rain
	22/6/07	-	-	-	-	-	-	690	-	-	-	-	35mm rain
	28/6/07	8.8	74.9	8.12	7.18	7.18	5.57	557	3.0	-	-	-	SCA Sampling Data. Flowing, clear
	18/7/07	8.1	69.5	7.9	7.18	7.18	1196	1196	0	-	-	-	SCA Sampling Data. Flowing, clear
	20/7/07	-	-	-	-	-	1150	1150	<10	-	-	-	
	28/7/07	-	-	-	-	-	1170	1170	<10	-	-	-	
	4/8/07	-	-	-	-	-	980	980	<10	-	-	-	Green stringy algae building up
	17/8/07	-	-	8	-	-	850	850	<10	-	-	-	8mm rain yesterday, stringy algae
	27/8/07	-	-	9	-	-	710	710	<10	-	-	-	25mm rain, stringy green algae
	7/9/07	-	-	9	6	6	710	710	<10	-	-	-	Stringy green algae, some frogs
	23/9/07	-	-	9	6	6	700	700	<10	-	-	-	Lots algae, rotten-egg-gas odour
	11/10/07	0.3	<10%	12	5.5	5.5	670	670	<10	-	-	-	Dead frog, DO v. low, odour
	30/11/07	-	-	-	-	-	560	560	<10	-	-	-	Oil slick, 150mm rain Nov
	31/12/07	-	-	22	-	-	560	560	<10	-	-	-	Yellow flower water lily, Lizard
	28/1/08	-	-	17	-	-	480	480	<10	-	-	-	Oil slick, Nymphoides montana
	2/3/08	-	-	-	-	-	730	730	<10	-	-	-	Oil slick
	2/4/08	-	-	-	-	-	1050	1050	-	-	-	-	Oil slick. 820EC 1km downstream
	7/4/08	-	-	-	-	-	1080	1080	-	-	-	-	Oil slick. 920EC 1km downstream
	29/5/08	3.6	30	7	6	6	960	960	<10	0.02	-	-	15mm rain o' nite, oil slick
	15/7/08	-	-	7	6	6	920	920	<10	-	-	-	Flowing, light oil slick, rusty deposits
	29/7/08	-	-	8	6.5	6.5	990	990	<10	-	-	-	Flowing, light oil slick, rusty deposits
	30/9/08	-	-	10	-	-	660	660	<10	-	-	-	Light oil slick.
	31/10/08	-	-	14	-	-	550	550	<10	-	-	-	580EC at next bridge downstream
	7/12/08	-	-	-	-	-	480	480	<10	-	-	-	520EC next bridge, rotten egg odour
	26/1/09	-	-	16	-	-	400	400	<10	-	-	-	500EC next bridge downstream
25/2/09	-	-	17.5	-	-	390	390	<10	-	-	-	520EC next bridge, 30mm rain 7 days	
30/3/09	-	-	14.5	-	-	370	370	<10	-	-	-	430EC next bridge, no flow	
29/4/09	-	-	11	-	-	380	380	<10	-	-	-	520EC next bridge, no flow	
31/5/09	-	-	9	-	-	390	390	<10	-	-	-	550EC next bridge, slight flow	
28/6/08	-	-	7.5	-	-	420	420	10	-	-	-	580EC next bridge, milky yellow	
23/7/09	-	-	7	-	-	410	410	<10	-	-	-	540EC next bridge, algae on bottom	
30/9/09	-	-	-	-	-	330	330	<10	-	-	-	500EC next bridge, scum on surface	
6/11/09	-	-	14	-	-	340	340	<10	-	-	-	380EC next bridge, surface slick/scum	
12/12/09	-	-	-	-	-	-	-	-	-	-	-	Bone dry 1st time ever, next bridge too	
10/2/10	-	-	18	5.5	5.5	340	340	<10	-	-	-	60mm rain w' end, water low, """"""""	

29	Springvale Colliery Boreholes LDP 4 & 5, Newne's Plateau LDP004: 33° 22' 43.6" S 150° 09' 46.2" E, Alt: 1150 LDPO05: 33° 22' 41.8" S 150° 09' 15.0" E, Alt: 1167	20/3/08	-	-	-	-	-	1180/1300	-	-	-	Not flowing, old outlet 1300EC
		31/5/08	5.3	60	22	7.5	1030	10	0.08	Flowing, grey, warm (air temp 14 ^o)		
		12/9/08	-	-	23	-	1010	30	-	Milky grey, warm		
		21/9/08	5.3	60	22	7	980	30	-	Milky grey, warm		
		10/10/08	5.1	60	23	7	1010	40	0.05	Air Temp 18, grey, nearby Ck was 50EC		
		23/10/08	-	-	22	-	980	30	-	Air temp 13, grey, nearby Ck was 60EC		
		6/11/08	-	-	23	7.5	1030	20	-	Both flowing, grey		
		28/1/09	4.3	52	25	7.5	950	40	0.07	LDP5, both flowing, grey, ACIRL		
		25/2/09	-	-	-	-	-	-	-	No Flow (to Sawyers Swamp Ck)		
		8/3/09	-	-	-	-	940	30	-	Slight flow LDP4&5, milky		
30	East Wolgan Swamp Ck (Campbells Rd) Newne's Plateau S 33° 21' 40.26" E 150° 10' 42.80" Altitude: 1161m	10/10/08	-	-	13	-	50	<10	-	Flowing well, tea-tree stained		
		23/10/08	6.0	59	14	6.5	60	<10	0.02	Recent rain, lots frog calls, tea-tree stained		
		6/11/08	-	-	14	-	40	<10	-	Tea-tree stained, flowing well		
		28/1/09	-	-	16	6.5	40	<10	-	Tea-tree stained, flowing well		
		8/3/09	-	-	15	6.5	40	<10	-	Flowing, tea-tree stained		
		5/7/09	7.2	80	7	7	50	<10	-	Flowing, tea-tree stained, campers nearby		
31	Wolgan R, Fire Trail No5 S 33° 19' 10.76" E 150° 9' 23.49"	12/9/08	-	-	-	7	980	10	-	Slightly grey, froth bubbles on surface		
		6/11/08	-	-	-	7.5	800	10	-	Slightly grey, tea-tree stained, 2 Lyrebirds		
32	Wolgan River, Newnes S 33° 10' 30.87" E 150° 14' 14.49"	16/11/06	8.0	91	17.5	7.5	80	<10	0.00	Heavy rain, Springvale bores flowing		
		2/6/08	-	-	-	-	170	-	-			
33	Wollangambe River, (below Clarence Colliery) S 33° 27' 21.01" E 150° 15' 25.32"	23/1/07	3.5	42	19	8	250	<10	0.08	40mm rain		
		20/9/07	5.4	55	16	7	260	<10	0.00	DO??, 1 hr before testing		
		28/1/09	5.7	65	22	7	240	<10	0.11	Clearer than usual, flowing well		
		16/12/09	5.8		17.5	7.5	210	<10	-	Clear, good flow, Grev. Gaudi Chau		
34	Baal Bone Borehole S 33° 15' 1.60" E 150° 5' 22.60"	15/3/09	-	-	-	-	930	-	-	V. rusty pond floor, 50mm rain last 24 hrs		
		1/4/09	-	-	16	-	850	<10	-	18mm rain o/hite, rusty		
35	Carne Creek East S 33° 22' 24.6" E 150° 12' 12.4"	5/4/09	6.2	58	12.5	7	20	<10	-	30mm+ rain last 4 days. Clear		
		5/7/09	-	-	6.5	7	20	<10	-	Flowing well, crystal clear		
36	Farmers Creek Dam	25/2/09	-	-	-	-	110	-	-			

		15/7/09	-	-	-	-	-	-	30	-	-	With SMH reporters, clear, 300mm down
		3/11/09	-	-	20.5	8	<10	90	90	<10	-	Blue/grey, ClnceTrsfir running, 2m down
		16/12/09	-	-	-	-	-	130	130	-	-	Dam level at 50%, murky grey/green
37	Clarence Transfer Pipe into Farmers Creek	16/12/09	-	-	-	-	-	230	230	-	-	Flowing at what appears to be full capacity

Other Locations in Region	Date	DO mg/l	DO %	Temp °C	pH	EC µS/cm	Turb NTU	AvP ppm	Comments
Macquarie River , GWH, Bathurst	28/12/06	-	-	-	-	430	-	-	
	29/1/07	-	-	-	-	380	-	-	
	13/1/09	-	-	-	-	260	-	-	
Nepean River, Penrith	22/1/07	-	-	-	-	260	-	-	
	8/5/07	-	-	-	-	310	-	-	
Namoi River, Gunnedah	28/12/08	-	-	-	-	440	-	-	
Fish River, Tarana	3/1/07	5.7	60	18	7	170	10	0.10	
Oberon Dam, Oberon	29/1/07	-	-	-	-	80	-	-	
Ben Chifley Dam, Bathurst	29/1/07	-	-	-	-	360	-	-	
Windermere Dam, Mudgee	28/1/07	-	-	-	-	640	-	-	
	14/7/07	-	-	-	-	590	-	-	
Cudgegong River, Rylstone	28/1/07	-	-	-	-	420	-	-	
Capertee River, Glen Davis	28/1/08	-	-	-	-	730	-	-	
Turon River, Sofala	28/12/06	-	-	-	-	680	-	-	
	1/4/07	-	-	-	-	630	-	-	
Bunglebooni Dam, Newne's Plateau	23/1/07	5.1	61	25	6	30	<10	0.05	40mm rain
Carne Creek, Newne's Plateau	9/12/07	-	-	-	-	30	-	-	
Clarence Dams, Clarence	23/1/07	-	-	-	-	30	-	-	40mm rain
	22/1/07	-	-	-	-	50	-	-	
Glenbrook Lagoon	22/1/07	-	-	-	-	160	-	-	
Pope's Glen Ck, Blackheath	3/9/06	2.1	18	10	6	140	<10	0.00	
Katoomba Falls Creek	14/9/06	10	-	8	6.5	60	<10	-	
Cullen Ck (below Invincible)	22/6/08	-	-	-	6	930	-	-	v. muddy, rain during week
	1/4/09	-	-	-	-	1080	-	-	v. rusty, 20mm rain o/nite
Jew's Creek, Castlereagh Hwy (downstream Baal Bone Colliery)	18/11/06	-	-	-	-	1130	-	-	
	28/1/07	-	-	-	-	970	-	-	40mm rain

S 33°14'05.29" E 150°01'39.44" Altitude: 834m	1/4/07	-	-	-	-	-	780	-	-	-
	14/5/07	-	-	-	-	-	1070	-	-	-
	22/7/07	-	-	-	-	<10	930	<10	-	200mm+ rain in June
	28/1/08	-	-	17.5	-	<10	810	<10	-	70mm rain January
	10/10/08	-	-	-	-	--	600	<10	-	Lots of rain last few weeks
	1/4/09	-	-	16	8	<10	850	<10	-	20mm rain o/nite. Rusty upstream
	26/3/10	4.7	-	20	7.5	<10	1070	<10	0.10	Flowing, clear, a snake
	26/3/10	5.0	-	24	7	15	1330	0.08	-	Rusty yellow. Fe on rocks, photo

* Note: All testing from 20/2/10 is with new equipment received SCA Training Day 20/2/10. Includes new EC meter, Colorimeter, Turbidity tube, Colorimeter, glass bottles for DO and AP, new spoon for AP test, new Streamwatch Manual