

Myles Dunphy Reserve Stream Watch Results

* Note Faecal Coliform is not a Streamwatch Protocol . Test done on concentration of 2.5 ml

	Temp	Ph	Cond	Turb	Do	Phosphate	* Faecal Coliform
Acceptable standard		6.5-8.5	200-300	50	85-110	.0612	150col/100ml

Date :28/04/09							
Site1: Mulga Rd							
Site 2: Kogarah Shops							
Site 3 : Down Stream							

Present:

Comments:

Date: 26/05/09							
Site1: Mulga Rd							52
Site 2: Kogarah Shops							10
Site 3 : Down Stream							38

Present:

Comments:

Date: 23/6/09							
Site1: Mulga Rd	14	7	510	60	100%	.13	73
Site 2: Kogarah Shops	14	7	410	10	100%	.08	12
Site 3 : Down Stream	13	7	480	40	100%	.05	3

Present:

Comments:

Date : 28 /07/09							
Site1: Mulga Rd		7	650	20		.05	3
Site 2: Kogarah Shops	11	7	410	10		.04	5
Site 3 : Down Stream	12.5	7	620	30		.04	9

Present: Claire, Sharyn, Heather, Geoff, Melina

Comments:

Date: 25/08/09							
Site1: Mulga Rd	12.5	7	700	10	59%	.07	10
Site 2: Kogarah Shops	12.5	7.5	340	10	74%	.06	4
Site 3 : Down Stream							
Site 4: Combined site*	11	6.5	530 (?)	30			7

Present: Melina, Pat, Graham Fry, Graham Lalchere, Michelle, Sonia, Sharyn

Comments:

- 5mm rain 5 days ago.
- Mulga Rd very low flow. Kogarah very high flow even though no rain.
- *Combined site : Still pool down stream, different to normal down stream testing down stream. Down Stream still pool in wetland, rusty stain. Approx. 100 flying foxes have returned, Owl, probably Boobook.

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Date :22/9/09							
Site1: Mulga Rd	16	7	700	10	#	.12	
Site 2: Kogarah Shops	17	8	270	10	#	.03	
Site 3 : Down Stream	No water						

Present: Geoff, Michelle, Sharyn

Comments:

DO result for 22/9 done at 4pm with WTW probe- 4% (water temp 17) for Mulga and 94%(water temp 18)

- Mulga Rd film on top of water, clear but very still.
- Kogarah shops clear flow, formed bubbles when shaken

Date: 10 /11/09	Temp	Ph	Cond	Turb	Do	Phosphate	* Faecal Coliform
Site1: Mulga Rd	17.1	7.5	630	15	92%	0.02	
Site 2: Kogarah Shops	*	*	*	*	*	*	*
Site 3 : Down Stream	*	*	*	*	*	*	*
Site 4: Mangroves	24	7	11.6 Ms (high range)	20	N/A	2.9	

Present: Melina, Michelle, Geoff, Anne, Graham L, Clair (Sydney Water),

Carl & Kim (Georges River Combined Council Committee – River Health project)

Comments:

- Fresh water and salt water invertebrate testing day, other sites not done.
- Result – very low biodiversity in fresh water score of 2 indicating high pollution. Salt water: snail, shrimp, slaters & bugs.
- Light rain 3 days ago heavy 5 days ago, very heavy rain 2 weeks previous. Reasonable flows from Kogarah and Mulga rd.
- GRCC Report Card
 - Myles Dunphy Creek – Overall grade - C (Fair)
Water quality - A, Vegetation – A, Macro Invertebrates – Fail
 - Myles Dunphy Estuary - Overall grade – C (Fair)
Water quality D- , Vegetation E+ , Macro Invertebrates A+

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Acceptable standard		6.5-8.5	200-300	50	85-110	.0612	150col/100ml

Date: 23 /03 /10	Temp	Ph	Cond	Turb	Do \$ Test #39	Phosphate\$ Test #78	* Faecal Coliform
Site1: Mulga Rd	19.0	7	570	10	14%	.15	
Site 2: Kogarah Shops							
Site 3 : Down Stream							

Present: Sharyn Cullis, Graham Lalchere, Sonia Baxant, Melina Amerasinghe

Comments: :Last rainfall aprox 2 weeks ago. Hot & dry.

\$ - Blank sample used distilled water. Only Mulga Rd site done

Date: 20/ 04/10	Temp	Ph	Cond	Turb	Do Test #39	Phosphate Test #78	* Faecal Coliform
Site 1 : Mulga Rd	18.0	7	650	10	2.6	0.12	
Site 2: Kogarah Shops							
Site 3 : Down Stream							

Present: Sharyn, Graham, Geoff, Melina

Comments: Only Mulga Rd sample tested

Also GRCC Estuary & Freshwater Invertebrate sampling day.

- Estuarine Mudflats - Isopods, Arthropods, Gastropods and Crabs and shrimps were found. More gastropods and Isopods were found in mid intertidal area. The lower tidal area had an abundance in crabs and shrimps.
- Freshwater sample - Damselfly nymphs, midge larve, flat worms, snails and segmented worms. Assembly typical of highly urbanized stream that receives storm water and occassional sewer overflow.

Date:25 /5 /10	Temp	Ph	Cond	Turb	Do Test #39	Phosphate Test #78	* Faecal Coliform
Site1: Mulga Rd	15.5	7	370	10	74%	0.08	
Site 2: Kogarah Shops	16.0	7	430	10	42%	0.04	
Site 3 : Down Stream							

Present: Sharyn, Graham. Geoff, Greg, Melina

Comments: Heavy rainfall in last 24 hours. Slight drizzle during testing.

Smell near Kogarah shops outlet. Large amount of rubbish near Mulga Rd.

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Date: 29 /06 /10	Temp Deg. Celsius	Ph	Cond	Turb	Do Test #39	Phosphate Test #78	* Faecal Coliform
Site1: Mulga Rd	10.5	7	680	10	70%	0.03	
Site 2: Kogarah Shops	10.5	7	370	10	72%	0.03	
Site 3 : Down Stream							

Present: Melina, Sonia, Geoff, Graham L, Maureen

Comments: Last rainfall Friday night

Date: 27 / 07 /10	Temp Deg. Celsius	Ph	Cond	Turb	Do Test #39	Phosphate Test #78	* Faecal Coliform
Site1: Mulga Rd	13	7	480	40	102%	0.04	
Site 2: Kogarah Shops	13	7	400	10	94%	0.06	
Site 3 : Down Stream							

Present: Sonia, Geoff, Graham L, Melina, Diane Hinkley

Comments: Rain last two days Lots of rubbish mainly plastic bottles & \$5!

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Present:

Comments:

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Comments: