

Myles Dunphy Reserve Stream Watch Results

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

Acceptable standard	Temp Degrees C	Ph 6.5- 8.5	Cond 200 - 300	Turb 50	Do 85- 110	Phosphate .0612	Ammonia	* Faecal Coliform 150col/100ml
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Date: 25/02/14	Temp Deg C	Ph	Cond	Turb	Do	Phosph	Ammonia	* Faecal Coliform
Site A Mulga Rd 10 am	18.5	6.0*	450	7 FTU	4.0 40%	0.15		Not Done
Site B: Kogarah Shops 10.30 am	19	6.5	410	3 FTU	4.9 54%	0.10		Not done

Present: Geoff, Melina, Eileen, Sharyn, Vicki, Graham

Comments: - Last rainfall, 1-7 days,

- 10 November sewer overflow, start of service track. Also overflowed at Mimosa street, tomato plants have started growing in overflow area.

- Site A; Some rubbish including a tyre. Iron bacteria some bubbles on water. Water clear , No running water.

* After 5 mins got a reading of 7 Change of testing procedure. Now dipping strip for a few seconds.

- Site B: No iron scum or bacteria, no litter, water clear but low level.

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Date:	Temp Deg C	Ph	Cond	Turb	Do	Phosph	Ammonia	* Faecal Coliform
29 /04/14								
SiteA: Mulga Rd 9.30 am	15.5	7	990	6FTU	4.4	0.05	0	
Site B: Kogarah Shops 9.45 am	15.5	7	410	5 FTU	8.9	0.06	0-0.25	

Present: Geoff, Kim, Graham, Vicki, Melina, Sharyn, Sonia

Comments: Last Rainfall 1-7 Days light. ; Heavy rain about two weeks previous. Rubbish audit done on both sites. (Sonia – results)

Site A: Low flow, Water in pond still, Clear water.

Site B: Trickle from drain, clear water. Some very small foam bubbles. Rubbish , packing strips

Date:	Temp Deg C	Ph	Cond	Turb FTU	Do	Phosph	Ammonia	* Faecal Coliform
24/06/2014								
SiteA: Mulga Rd 9 ?	11	5.5	760	10	3.1	0.8	Zero	
Site B: 9.20 Kogarah Shops	10	5.5	380	2	7.1	0.09	Zero	

Present: Vicki, Geoff, Graham, Kim & Anne (Litter)

Comments: Last Rain 1-7 Days, Light, Air Temp 13degrees.

Site A – Slightly turbid, small trickle of water .

Site B – Detergent foam on surface (small amount), Low flow of clear water, small amount of litter.

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Date: 4/9/14	Temp Deg C	Ph	Cond	Turb	Do	Phosph	Ammonia	* Faecal Coliform
Site 1: Mulga Rd (9.15 am)	12	6	570	21	8.5	0.05	0.25	*Test done 26/08 Results?
Site 2: Kogarah Shops (9.30 am)	12.5	5.5	430	1	8.1	0.09	0.25	*

Present: Vicki, Kim, Sonia, Graham, Geoff & Melina

Comments:

Rainfall - Heavy rain before and on 26/8/14 saw scheduled testing postponed. Light rainfall approx 1ml on 3/09/14 before testing date.

Site A - Some rubbish including dildo! (Rubbish audit done), Water colour brownish but clear and running.

Site B – Clear running water, some detergent foam. Two large chunks of Styrofoam and many small balls of Styrofoam, plastic McDonald's cup (Rubbish Audit done).

Date: 28/10/2014	Temp Deg C	Ph	Cond	Turb FTU	Do	Phosph	Ammonia	* Faecal Coliform
Site 1: Mulga Rd 9.15 am	16	5.5	650	6	5.2	0.04	0.25	
Site 2: Kogarah Shops 9.30	15.5	5.5	440	1	6.2	0.13	No strips	

Present: Kim, Graham, Vicki, Melina & Geoff

Comments: Last rainfall 1-7 Days on 24/10 brief heavy rainfall . Rubbish audit done of two sites.

Site A Lots of rubbish, very little water flow, clear water

Site B Reasonable water flow , clear water.

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Date:	Temp Deg C	Ph	Cond	Turb FTU	Do	Phosph	Ammonia	* Faecal Coliform
03/03/2015								
Site1: Mulga Rd 9.20	20	6	510	69	5.4	0.06	Zero	
Site 2: Kogarah Shops 10	18.5	6.5	380	2	6.2	0.5	Zero	

Present: Kim , Geoff, Vicki and Sharyn

Comments: Last rainfall 1-7 days heavy but brief.

Site 1- Rubbish in water. Very turbid water, low flow.

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Date:	Temp Deg C	Ph	Cond	Turb	Do	Phosp hate	Ammon ia	* Faecal Coliform
28/4/15								
Site1: Mulga Rd 9.35	16	7	610	57	6.8 70%	0.08	0.25	Not done
Site 2: Kogarah Shops 10.15	16	7	430	2	7.4 77%	0.07	0	Not done

Present: Sharyn, Vicki, Geoff, Graham & Gareth Clemens and Sonia ;
Melina & Kim -rubbish

Comments:

Site 1: Last rainfall 1-7 days , Heavy. Evidence of high water flows, over 1metre high. No detergent, grease. Water very murky, turbid.

Storm water spill - From 09:40 - 09:49 there was a minor grey water spill at Myles Dunphy Reserve. It flowed into Myles Dunphy Creek from the stormwater outflow on Mulga Street at the northern end of the Reserve. There was detergent in the water but it was not as concentrated as in the spill of 15 August 2013. We traced the spill back to a new commercial building which was completed last year. The spill had come from an outflow into the road gutter from this building.

One of the staff advised us that there was a stormwater detention tank beneath the basement car park, which was connected by a pipe to the outflow into the gutter. He stated that the grey water had probably been pumped out of the stormwater detention tank into the gutter. He also advised us that the stormwater detention tank, pump and pipe connection to the road gutter were in the plans for the building which had been approved by Council, and were designed to allow stormwater that entered the basement after rain to be pumped out.

This matter was reported to council on the day, outlining our concerns on the grey water spill as Myles Dunphy Reserve is a sensitive area, as the entire riparian zone of Myles Dunphy Creek and its Wetland consists of Endangered Ecological Communities. The place where the spill entered the Creek is vegetated with Sydney Turpentine-Ironbark Forest. if the information provided by the cafe employee is correct, then the building occupant were probably within their rights to discharge the grey water into the gutter. In this case the problem seems to be a planning issue, rather than a compliance issue.

Site 2: Comments:

Water very clear, some bubbles persisting, and dumping (small amount detergent?).
Earth worms in pools indicating soil disturbance in recent flood. Very little visible litter. Bad scouring downstream.

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Date: 23/06/2015	Temp Deg C	Ph	Cond	Turb	Do	Phosph	Ammonia	* Faecal Coliform
Site1: Mulga Rd 9.30	13	6	600	27	5.2	0.10	0.5	Not done
Site 2: Kogarah Shops	14	6.5	450	22	7.1	0 *	Zero	Not done

Present: Melina A, Eileen Ryan, Kim W, Sonia B, Geoff F, Graham L

Comments:

Last rainfall Sunday (1-3 day previous)

Light to medium rainfall.

Possible Sewer overflow on Thursday (Geoff following up with Sydney Water)

Litter Collection also done.

Site A Pond looked milky, steady flow, small amount of rubbish

* phosphate test done twice with zero result,

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Date: 29/9/15	Temp Deg C	Ph	Cond	Turb FTU	Do	Phosph	Ammonia	* Faecal Coliform
SiteA: Mulga Rd 9.00 am	13.5	6.5	510	24	5.4	0.09	Nil	
Site B: Kogarah Shops 9.30 am	14.0	6.5	330	1	6.8	0.09	0.25	

Present: Sharyn, Geoff

Comments: Last Rainfall 1-3 days

Site A : Turbid, trickle, some plastic litter and foam packing material

Site B: Detergent foam, 1metre long average 10cm wide

Sewer overflows : Increase in weir height seems to be effective in preventing wet weather over flows at Dairy Creek. However, overflows continue at Myles Dunphy reserve further down stream.

Myles Dunphy Reserve from 21:58 to 23:01 24/8/15

Myles Dunphy 18/6/15 21:54 – 19/6/15 11:43

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Date: 1/12/15	Temp Deg C	Ph	Cond	Turb FTU	Do	Phosph	Ammonia	* Faecal Coliform
SiteA: Mulga Rd 9.30 am	18.5	6.5	690	9	1.5	0.04	0.25	
Site B: Kogarah Shops 10.45 am	18.5	6.5	400	1	5.7	0.10	Nil	

Present: Melina, Sharyn, Graham L, Kim, Aletheia Anca, Diane Butt, Geoff, Sonia.

Comments:

Last rainfall greater than 7 days – light rain

No surface flow, but small flow through boulders and gravel. Small brown frog sighted.

Not much rubbish.

Visit by Prof Richard Banati ANSTO Plastics project. Interested in group collecting plastic soy fish.

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Date: / / 2016	Temp Deg C	Ph	Cond	Turb FTU	Do	Phosph	Ammonia	* Faecal Coliform
SiteA: Mulga Rd 9.30 am								
Site B: Kogarah Shops 10.45 am								

Present:

Comments:

Last rainfall:

Date: / / 2016	Temp Deg C	Ph	Cond	Turb FTU	Do	Phosph	Ammonia	* Faecal Coliform
SiteA: Mulga Rd 9.30 am								
Site B: Kogarah Shops 10.45 am								

Present:

Comments:

Last rainfall:

Date: / / 2016	Temp Deg C	Ph	Cond	Turb FTU	Do	Phosph	Ammonia	* Faecal Coliform
SiteA: Mulga Rd 9.30 am								
Site B: Kogarah Shops 10.45 am								

Present:

Comments:

Last rainfall: