

Gosford City Waterways Monitoring Program  
Sample Collection Report



Monitoring Location: Avoca Lagoon

Monitoring Date/Time: 23.07.2009 / 9:30 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
8.28	35.6	10	10.01	13.9	2.5

Ex situ samples collected

- ☒ Yellow Lid (Chlorophyll-a)
- ☒ Blue Lid (BOD & Suspended Solids)
- ☐ Red Lid (Faecal coliforms & Enterococci)
- ☒ White Lid (Nutrients)

Observations

Beaufort (0-12): 1

Weather: fine

Sample colour: clear

Water Flow/Level: n/a

Comments (surface scums, wildlife, activities etc);

Algae growing on sediments at sampling point.

Gosford City Waterways Monitoring Program  
Sample Collection Report



Monitoring Location: Booker Bay

Monitoring Date/Time: 23.07.2009 / 11:00 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
8.31	47.8	10	9.65	15.1	3.16

Ex situ samples collected

- ☒ Yellow Lid (Chlorophyll-a)  
☒ Blue Lid (BOD & Suspended Solids)  
☐ Red Lid (Faecal coliforms & Enterococci)  
☒ White Lid (Nutrients)

Observations

Beaufort (0-12): 2

Weather: Fine

Sample colour: clear

Water Flow/Level:

Comments (surface scums, wildlife, activities etc);

Seeds present

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Gosford City Waterways Monitoring Program  
Sample Collection Report



Monitoring Location: Cockle Creek

Monitoring Date/Time: 23.07.2009 11:48 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
8.24	45.9	10	9.77	15.1	2.97

Ex situ samples collected

- ☒ Yellow Lid (Chlorophyll-a)  
☒ Blue Lid (BOD & Suspended Solids)  
☒ Red Lid (Faecal coliforms & Enterococci)  
☒ White Lid (Nutrients)

Observations

Beaufort (0-12): 1

Weather: Fine

Sample colour: clear

Water Flow/Level: calm

Comments (surface scums, wildlife, activities etc);

Seagulls present

Gosford City Waterways Monitoring Program  
Sample Collection Report



Monitoring Location: Cockrone Lagoon

Monitoring Date/Time: 23.07.2009 / 10:10 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
7.12	36.6	10	7.00	16.7	2.32

Ex situ samples collected

- ☒ Yellow Lid (Chlorophyll-a)  
☐ Blue Lid (BOD & Suspended Solids)  
☒ Red Lid (Faecal coliforms & Enterococci)  
☐ White Lid (Nutrients)

Observations

Beaufort (0-12): 1

Weather: Fine

Sample colour: clear

Water Flow/Level:

Comments (surface scums, wildlife, activities etc);

Approx 5 birds present at sample site.  
surface scum along shore line.  
sediment in sample.

Gosford City Waterways Monitoring Program  
Sample Collection Report



Monitoring Location: Erina Creek

Monitoring Date/Time: 23.07.2009 / 8:20 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
7.44	18.2	10	8.85	11.1	1.05

Ex situ samples collected

- ☒ Yellow Lid (Chlorophyll-a)  
☒ Blue Lid (BOD & Suspended Solids)  
☒ Red Lid (Faecal coliforms & Enterococci)  
☒ White Lid (Nutrients)

Observations

Beaufort (0-12): 0

Weather: Fine

Sample colour: clear

Water Flow/Level: STILL rising tide

Comments (surface scums, wildlife, activities etc);

Surface scum. Bird present on arrival at site.

Brown muck



**Gosford City Waterways Monitoring Program  
Sample Collection Report**



**Monitoring Location:** Kincumber Creek

**Monitoring Date/Time:** 23.07.2009 / 9:50 am/pm

**Sampler:** Michael Ebert/Shannon Bruce

**In situ results**

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
8.22	45.1	10	8.83	14.4	2.92

**Ex situ samples collected**

- ☒ Yellow Lid (Chlorophyll-a)
- ☒ Blue Lid (BOD & Suspended Solids)
- ☒ Red Lid (Faecal coliforms & Enterococci)
- ☐ White Lid (Nutrients)

**Observations**

**Beaufort (0-12):** 2

**Weather:** Fine

**Sample colour:** clear

**Water Flow/Level:** Tidal low/high

**Comments (surface scums, wildlife, activities etc);**

Small fish in water.

Brown surface scum

large amount of seaweed on shore.

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Gosford City Waterways Monitoring Program  
Sample Collection Report



**Monitoring Location:** Narara Creek

**Monitoring Date/Time:** 23.07.2009 / 7:50 am/pm

**Sampler:** Michael Ebert/Shannon Bruce

**In situ results**

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
7.6	37.0	10	8.37	13.5	2.3

**Ex situ samples collected**

- ☒ Yellow Lid (Chlorophyll-a)
- ☒ Blue Lid (BOD & Suspended Solids)
- ☒ Red Lid (Faecal coliforms & Enterococci)
- ☐ White Lid (Nutrients)

**Observations**

**Beaufort (0-12):** 1

**Weather:** fine

**Sample colour:** clear

**Water Flow/Level:** 0

**Comments (surface scums, wildlife, activities etc);**

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# Gosford City Waterways Monitoring Program Sample Collection Report



**Monitoring Location:** Piles Creek

**Monitoring Date/Time:** 23.07.2009 / 12:15 am/pm

**Sampler:** Michael Ebert/Shannon Bruce

## In situ results

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
8-	24	error	9.2	13-	0

## Ex situ samples collected

- ☒ Yellow Lid (Chlorophyll-a)
- ☒ Blue Lid (BOD & Suspended Solids)
- ☒ Red Lid (Faecal coliforms & Enterococci)
- ☒ White Lid (Nutrients)

## Observations

**Beaufort (0-12):** 0

**Weather:** FINE

**Sample colour:** clear

**Water Flow/Level:** STEADY

**Comments (surface scums, wildlife, activities etc);**

birds present up stream

IRON BACTERIA

FROGS



Gosford City Waterways Monitoring Program  
Sample Collection Report



Monitoring Location: Terrigal Lagoon

Monitoring Date/Time: 23.07.2009 / 9:20 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
7.5	252	10	8.26	15.1	1.54

Ex situ samples collected

- ☒ Yellow Lid (Chlorophyll-a)
- ☒ Blue Lid (BOD & Suspended Solids)
- ☒ Red Lid (Faecal coliforms & Enterococci)
- ☒ White Lid (Nutrients)

Observations

Beaufort (0-12): 1

Weather: fine

Sample colour: clear

Water Flow/Level: N/A

Comments (surface scums, wildlife, activities etc);

Bird dropping at sampling location

Gosford City Waterways Monitoring Program  
Sample Collection Report



Monitoring Location: Wamberal Lagoon

Monitoring Date/Time: 23.07.2009 / 8:45 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
7.97	23.1	10	9.00	14.4	1.4

Ex situ samples collected

- ☒ Yellow Lid (Chlorophyll-a)  
☒ Blue Lid (BOD & Suspended Solids)  
☒ Red Lid (Faecal coliforms & Enterococci)  
☒ White Lid (Nutrients)

Observations

Beaufort (0-12): 1

Weather: Fine

Sample colour: clear

Water Flow/Level: N/A

Comments (surface scums, wildlife, activities etc);

> 15 ducks at sampling location

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**Gosford City Waterways Monitoring Program  
Sample Collection Report**



**Monitoring Location:** Woy Woy Creek

**Monitoring Date/Time:** 23.07.2009 11:50 am/pm

**Sampler:** Michael Ebert/Shannon Bruce

**In situ results**

pH	Conductivity (S/cm)	Turbidity (NTU)	DO (mg/L)	Water Temp (°C)	Salinity (%)
8.30	45.1	10	9.82	14.7	2.9

**Ex situ samples collected**

- ☒ Yellow Lid (Chlorophyll-a)
- ☒ Blue Lid (BOD & Suspended Solids)
- ☒ Red Lid (Faecal coliforms & Enterococci)
- ☐ White Lid (Nutrients)

**Observations**

**Beaufort (0-12):** 2

**Weather:** over cast

**Sample colour:** clear

**Water Flow/Level:**

**Comments (surface scums, wildlife, activities etc);**

Windy

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