

Gosford City Waterways Monitoring Program
Sample Collection Report



Monitoring Location: Narara Creek

Monitoring Date/Time: 20.08.2009 / 7 : 40 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|-------------|---------------------|-----------------|-----------|-----------------|--------------|
| 7.96 S.H | 46.1 | 3 | 7.72 | 12.6 | 2.94 |

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 / partly cloudy

Sample colour: clear

Water Flow/Level: still

Comments (surface scums, wildlife, activities etc);

Surface free from visible scum.

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



Monitoring Location: Erina Creek

Monitoring Date/Time: 20.08.2009 / 8:05 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|------|---------------------|-----------------|-----------|-----------------|--------------|
| 5.19 | 50.1 | 7 | 8.22 | 14.8 | 3.24 |

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: overcast

Sample colour: clear

Water Flow/Level: tide rising

Comments (surface scums, wildlife, activities etc);

surface scum upstream of sample site

Gosford City Waterways Monitoring Program
Sample Collection Report



Monitoring Location: Wamberal Lagoon

Monitoring Date/Time: 20.08.2009 / 8:24 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|------|---------------------|-----------------|-----------|-----------------|--------------|
| 8.76 | 24.4 | 1 | 9.4 | 15.1 | 1.48 |

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: overcast

Sample colour: clear

Water Flow/Level: strong not flowing

Comments (surface scums, wildlife, activities etc);

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



Monitoring Location: Terrigal Lagoon

Monitoring Date/Time: 20.08.2009 / 8:35 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|-----|---------------------|-----------------|-----------|-----------------|--------------|
| 7.7 | 32 | 1 | 7.88 | 15 | 2.0 |

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):

Weather:

Sample colour:

Water Flow/Level:

Comments (surface scums, wildlife, activities etc);

Gosford City Waterways Monitoring Program
Sample Collection Report



Monitoring Location: Avoca Lagoon

Monitoring Date/Time: 20.08.2009 / 8:50 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|------|---------------------|-----------------|-----------|-----------------|--------------|
| 8.76 | 38.9 | 0 | 8.98 | 15.1 | 2.47 |

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: over cast

Sample colour: clear

Water Flow/Level: n/a

Comments (surface scums, wildlife, activities etc);

Algae present

Gosford City Waterways Monitoring Program
Sample Collection Report



Monitoring Location: Kincumber Creek

Monitoring Date/Time: 20.08.2009 / 9:10 ~~am~~ ^{pm}

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|------|---------------------|-----------------|-----------|-----------------|--------------|
| 8.13 | 50.4 | 3 | 7.73 | 14.5 | 3.28 |

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: overcast

Sample colour: clear

Water Flow/Level:

Comments (surface scums, wildlife, activities etc);

birds present during sampling

Gosford City Waterways Monitoring Program
Sample Collection Report



Monitoring Location: Cockrone Lagoon

Monitoring Date/Time: 20.08.2009 / 9:25 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|------|---------------------|-----------------|-----------|-----------------|--------------|
| 7.81 | 38.3 | 5 | 7.52 | 14.4 | 2.42 |

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: overcast

Sample colour: clear

Water Flow/Level: N/A

Comments (surface scums, wildlife, activities etc);

IRON BACTERIA ALONG SHORELINE

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



Monitoring Location: Cockle Creek

Monitoring Date/Time: 20.08.2009 19 : 45 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|------|---------------------|-----------------|-----------|-----------------|--------------|
| 8.26 | 50.5 | 4 | 7.36 | 15.7 | 3.29 |

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: overcast

Sample colour: clear

Water Flow/Level: tide rising

Comments (surface scums, wildlife, activities etc);

Gosford City Waterways Monitoring Program
Sample Collection Report



Monitoring Location: Booker Bay

Monitoring Date/Time: 20.08.2009 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 (%) |
|------|---------------------|-----------------|-----------|-----------------|--------------|
| 8.28 | 51.6 | 0.1 | 8.5 | 15.4 | 33.6 |

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: overcast

Sample colour: clear

Water Flow/Level:

Comments (surface scums, wildlife, activities etc);

water very clear.

Gosford City Waterways Monitoring Program
Sample Collection Report



Monitoring Location: Woy Woy Creek

Monitoring Date/Time: 20.08.2009 10:35 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|------|---------------------|-----------------|-----------|-----------------|--------------|
| 8.19 | 49.0 | 1 | 8.36 | 15.2 | 3.18 |

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: overcast

Sample colour: clear

Water Flow/Level:

Comments (surface scums, wildlife, activities etc);

n/a surface scum

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



Monitoring Location: Piles Creek

Monitoring Date/Time: 20.08.2009 / 11 : 05 am/pm

Sampler: Michael Ebert/Shannon Bruce

In situ results

| pH | Conductivity (S/cm) | Turbidity (NTU) | DO (mg/L) | Water Temp (°C) | Salinity (%) |
|-----|---------------------|-----------------|-----------|-----------------|--------------|
| 7.4 | 295 | 7 | 8.85 | 11.7 | 0.01 |

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: over cast

Sample colour: clear

Water Flow/Level: steady flow

Comments (surface scums, wildlife, activities etc);

odour similar to mushrooms
