

**GOSFORD CITY COUNCIL**

NSW, AUSTRALIA

Request Number: EF800088**Nalco Representative:** David Supierz**Laboratory Report:**

394094

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

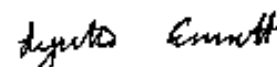
24/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 11 - Piles Creek

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 8:30
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	0.3 mS/cm
Dissolved Oxygen	In Situ Testing	9.2 mg/L
pH	In Situ Testing	6.5 pH Units
Salinity	In Situ Testing	0.1 PSS
Temperature	In Situ Testing	18.2 °C
Turbidity	In Situ Testing	14.0 NTU
Ammonia Nitrogen as N	CA13201	0.30 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	8300 CFU/100mL
Nitrite + Nitrate as N (NOx)	CA13202	1.7 mg/L
Ortho-Phosphate (as P)	CA13200	0.06 mg/L
Thermotolerant Coliforms	CA22067	2500 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	0.8 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	2.5 mg/L
Total Phosphorus	CA13200	0.09 mg/L
Total Suspended Solids (@ 105°C)	CA12119	9 mg/L

Date: 29/Dec/2008**Authorised by:**Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394095

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 10 - Booker Bay

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 11:50
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	53.9 mS/cm
Dissolved Oxygen	In Situ Testing	7.4 mg/L
pH	In Situ Testing	7.9 pH Units
Salinity	In Situ Testing	35.4 PSS
Temperature	In Situ Testing	20.8 °C
Turbidity	In Situ Testing	1.3 NTU
Ammonia Nitrogen as N	CA13201	0.04 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	15 CFU/100mL
Nitrite + Nitrate as N (NOx)	CA13202	0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.01 mg/L
Thermotolerant Coliforms	CA22067	2 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	<0.1 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	<0.1 mg/L
Total Phosphorus	CA13200	<0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	6 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394096

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 09 - Cockle Creek

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 11:30
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	53.2 mS/cm
Dissolved Oxygen	In Situ Testing	7.3 mg/L
pH	In Situ Testing	7.8 pH Units
Salinity	In Situ Testing	34.9 PSS
Temperature	In Situ Testing	21.6 °C
Turbidity	In Situ Testing	2.3 NTU
Ammonia Nitrogen as N	CA13201	0.02 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	31 CFU/100mL
Nitrite + Nitrate as N (NOx)	CA13202	<0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.01 mg/L
Thermotolerant Coliforms	CA22067	22 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	<0.1 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	<0.1 mg/L
Total Phosphorus	CA13200	<0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	5 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394097

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 03 - Cockrone Lagoon

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 11:05
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	25.5 mS/cm
Dissolved Oxygen	In Situ Testing	8.3 mg/L
pH	In Situ Testing	9.3 pH Units
Salinity	In Situ Testing	15.5 PSS
Temperature	In Situ Testing	21.7 °C
Turbidity	In Situ Testing	2.2 NTU
Ammonia Nitrogen as N	CA13201	0.03 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	4 CFU/100mL
Entrance Condition		Closed
Nitrite + Nitrate as N (NO _x)	CA13202	<0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.01 mg/L
Thermotolerant Coliforms	CA22067	<2 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	0.3 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.3 mg/L
Total Phosphorus	CA13200	<0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	2 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist

**GOSFORD CITY COUNCIL**

NSW, AUSTRALIA

Request Number: EF800088**Nalco Representative:** David Supierz**Laboratory Report:**

394098

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 05 - Kincumber Creek

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 10:40
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	52.0 mS/cm
Dissolved Oxygen	In Situ Testing	6.8 mg/L
pH	In Situ Testing	7.6 pH Units
Salinity	In Situ Testing	34.0 PSS
Temperature	In Situ Testing	22.1 °C
Turbidity	In Situ Testing	7.0 NTU
Ammonia Nitrogen as N	CA13201	0.05 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	909 CFU/100mL
Nitrite + Nitrate as N (NOx)	CA13202	<0.01 mg/L
Ortho-Phosphate (as P)	CA13200	0.01 mg/L
Thermotolerant Coliforms	CA22067	45 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	<0.1 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	<0.1 mg/L
Total Phosphorus	CA13200	0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	8 mg/L

Date: 29/Dec/2008**Authorised by:**Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394099

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

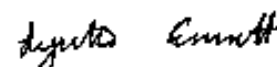
The sample was analysed as received, the results being as follows:

Sample Taken From: 04 - Avoca Lagoon

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 10:15
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	25.2 mS/cm
Dissolved Oxygen	In Situ Testing	6.9 mg/L
pH	In Situ Testing	7.8 pH Units
Salinity	In Situ Testing	15.2 PSS
Temperature	In Situ Testing	22.7 °C
Turbidity	In Situ Testing	7.9 NTU
Ammonia Nitrogen as N	CA13201	0.08 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	79 CFU/100mL
Entrance Condition		Closed
Nitrite + Nitrate as N (NO _x)	CA13202	<0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.01 mg/L
Thermotolerant Coliforms	CA22067	25 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	0.4 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.4 mg/L
Total Phosphorus	CA13200	<0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	2 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394100

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

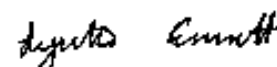
The sample was analysed as received, the results being as follows:

Sample Taken From: 02 - Terrigal Lagoon

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 9:55
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	24.7 mS/cm
Dissolved Oxygen	In Situ Testing	9.9 mg/L
pH	In Situ Testing	7.6 pH Units
Salinity	In Situ Testing	14.9 PSS
Temperature	In Situ Testing	19.5 °C
Turbidity	In Situ Testing	3.1 NTU
Ammonia Nitrogen as N	CA13201	0.07 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	43 CFU/100mL
Entrance Condition		Open
Nitrite + Nitrate as N (NOx)	CA13202	0.03 mg/L
Ortho-Phosphate (as P)	CA13200	<0.01 mg/L
Thermotolerant Coliforms	CA22067	48 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	0.1 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	0.1 mg/L
Total Phosphorus	CA13200	<0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	3 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394101

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 01 - Wamberal Lagoon

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 9:30
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	24.7 mS/cm
Dissolved Oxygen	In Situ Testing	7.6 mg/L
pH	In Situ Testing	8.4 pH Units
Salinity	In Situ Testing	14.9 PSS
Temperature	In Situ Testing	21.1 °C
Turbidity	In Situ Testing	2.2 NTU
Ammonia Nitrogen as N	CA13201	0.03 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	7 CFU/100mL
Entrance Condition		Closed
Nitrite + Nitrate as N (NOx)	CA13202	<0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.01 mg/L
Thermotolerant Coliforms	CA22067	2 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	0.5 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	0.5 mg/L
Total Phosphorus	CA13200	<0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	2 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394102

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

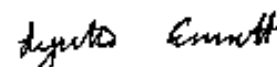
The sample was analysed as received, the results being as follows:

Sample Taken From: 06 - Erina Creek

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 9:15
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	52.2 mS/cm
Dissolved Oxygen	In Situ Testing	4.8 mg/L
pH	In Situ Testing	7.5 pH Units
Salinity	In Situ Testing	34.1 PSS
Temperature	In Situ Testing	21.9 °C
Turbidity	In Situ Testing	6.4 NTU
Ammonia Nitrogen as N	CA13201	0.07 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	30 CFU/100mL
Nitrite + Nitrate as N (NOx)	CA13202	<0.01 mg/L
Ortho-Phosphate (as P)	CA13200	0.02 mg/L
Thermotolerant Coliforms	CA22067	15 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	<0.1 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	<0.1 mg/L
Total Phosphorus	CA13200	0.02 mg/L
Total Suspended Solids (@ 105°C)	CA12119	8 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394103

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 07 - Narara Creek

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 9:00
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	38.4 mS/cm
Dissolved Oxygen	In Situ Testing	5.8 mg/L
pH	In Situ Testing	6.5 pH Units
Salinity	In Situ Testing	24.3 PSS
Temperature	In Situ Testing	20.7 °C
Turbidity	In Situ Testing	7.0 NTU
Ammonia Nitrogen as N	CA13201	0.23 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	3200 CFU/100mL
Nitrite + Nitrate as N (NOx)	CA13202	0.08 mg/L
Ortho-Phosphate (as P)	CA13200	0.03 mg/L
Thermotolerant Coliforms	CA22067	382 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	0.2 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	0.3 mg/L
Total Phosphorus	CA13200	0.03 mg/L
Total Suspended Solids (@ 105°C)	CA12119	9 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800088

Nalco Representative: David Supierz

Laboratory Report:

394104

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

24/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 08 - Woy Woy Creek

<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	12-Dec-2008 12:15
Depth	In Situ Testing	0.1 m
Conductivity	In Situ Testing	52.3 mS/cm
Dissolved Oxygen	In Situ Testing	5.9 mg/L
pH	In Situ Testing	7.8 pH Units
Salinity	In Situ Testing	34.3 PSS
Temperature	In Situ Testing	23.1 °C
Turbidity	In Situ Testing	4.4 NTU
Ammonia Nitrogen as N	CA13201	0.07 mg/L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	<1 µg/L
Enterococci	CA22064	52 CFU/100mL
Nitrite + Nitrate as N (NOx)	CA13202	<0.01 mg/L
Ortho-Phosphate (as P)	CA13200	0.01 mg/L
Thermotolerant Coliforms	CA22067	107 CFU/100mL
Total Kjeldahl Nitrogen	CA13202	<0.1 mg/L
Total Nitrogen as N (TKN + NOx)	CA11130	<0.1 mg/L
Total Phosphorus	CA13200	0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	5 mg/L

Date: 29/Dec/2008

Authorised by:



Lynette M Emmett
Chemist

**GOSFORD CITY COUNCIL**

NSW, AUSTRALIA

Request Number: EF800088**Nalco Representative:** David Supierz**Laboratory Report:**

394105

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

15/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 13 - Field Blank - KINCUMBER CREEK**Analyte****Test Method****Result**

Enterococci

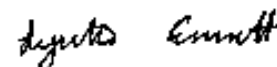
CA22064

<2 CFU/100mL

Thermotolerant Coliforms

CA22067

<2 CFU/100mL

Date: 29/Dec/2008**Authorised by:**Lynette M Emmett
Chemist

**GOSFORD CITY COUNCIL**

NSW, AUSTRALIA

Request Number: EF800088**Nalco Representative:** David Supierz**Laboratory Report:**

394106

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

15/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 12 - Trip Blank**Analyte****Test Method****Result**

Enterococci

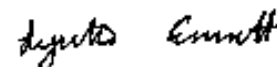
CA22064

<2 CFU/100mL

Thermotolerant Coliforms

CA22067

<2 CFU/100mL

Date: 29/Dec/2008**Authorised by:**Lynette M Emmett
Chemist

**GOSFORD CITY COUNCIL**

NSW, AUSTRALIA

Request Number: EF800088**Nalco Representative:** David Supierz**Laboratory Report:**

394107

Date Sampled:

12/Dec/2008

Date Received:

12/Dec/2008

Date Completed:

29/Dec/2008

WATER ANALYSIS

The sample was analysed as received, the results being as follows:

Sample Taken From: 14 - Information**Analyte****Test Method****Result**

High Tide Level

1.95 m

High Tide Time

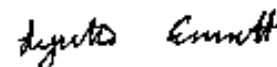
09:19

Rainfall For Preceding 48 Hours

6.2 mm

Rainfall For Preceding 7 Days

27.0 mm

Date: 29/Dec/2008**Authorised by:**Lynette M Emmett
Chemist