



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397616

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 11 - Piles Creek

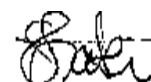
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 8:50
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	0.3 mS/cm
Dissolved Oxygen	In Situ Testing	6.7 mg/L
pH	In Situ Testing	6.1 pH Units
Salinity	In Situ Testing	0.2 PSS
Temperature	In Situ Testing	20.7 °C
Turbidity	In Situ Testing	21.2 NTU
Ammonia Nitrogen as N	CA13201	0.22 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	0.026 mm ³ /L
BOD (5-Day)	CA11048	4 mg/L
Chlorophyll a	CA13428	4 µg/L
Enterococci	CA22064	16000 CFU/100mL
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	7.4 mg/L
Ortho-Phosphate (as P)	CA13200	0.04 mg/L
Pseudoanabaena sp.	EXTERNAL	5840 Cells/mL
Synechococcus spp.	EXTERNAL	260 Cells/mL
Thermotolerant Coliforms	CA22067	27000 CFU/100mL
Total Blue Green Algae	EXTERNAL	6900 Cells/mL
Total Kjeldahl Nitrogen	CA13202	1.1 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	8.5 mg/L
Total Phosphorus	CA13200	0.08 mg/L
Total Suspended Solids (@ 105°C)	CA12119	10 mg/L
Unknown Cyanobacteria	EXTERNAL	800 Cells/mL

Comments

397616 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001. Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Report number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397617

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 10 - Booker Bay

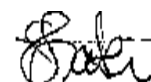
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 11:50
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	54.4 mS/cm
Dissolved Oxygen	In Situ Testing	7.0 mg/L
pH	In Situ Testing	7.8 pH Units
Salinity	In Situ Testing	35.7 PSS
Temperature	In Situ Testing	20.9 °C
Turbidity	In Situ Testing	6.2 NTU
Ammonia Nitrogen as N	CA13201	0.02 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	5 µg/L
Enterococci	CA22064	108 CFU/100mL
Merismopedia sp.	EXTERNAL	160 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.02 mg/L
Ortho-Phosphate (as P)	CA13200	0.01 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	99 CFU/100mL
Total Blue Green Algae	EXTERNAL	160 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.1 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.1 mg/L
Total Phosphorus	CA13200	0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	4 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397617 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001. Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Report number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397618

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 09 - Cockle Creek

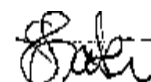
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 11:30
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	54.7 mS/cm
Dissolved Oxygen	In Situ Testing	6.1 mg/L
pH	In Situ Testing	7.6 pH Units
Salinity	In Situ Testing	36.1 PSS
Temperature	In Situ Testing	23.5 °C
Turbidity	In Situ Testing	0.8 NTU
Ammonia Nitrogen as N	CA13201	0.02 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	2 µg/L
Enterococci	CA22064	90 CFU/100mL
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.05 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	36 CFU/100mL
Total Blue Green Algae	EXTERNAL	0 Cells/mL
Total Kjeldahl Nitrogen	CA13202	<0.1 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	<0.1 mg/L
Total Phosphorus	CA13200	<0.05 mg/L
Total Suspended Solids (@ 105°C)	CA12119	6 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL
Woronichinia sp.	EXTERNAL	

Comments

397618 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001. Date: 26/02/2009. (* Indicates potential toxin producers.)
 Limit of reporting raised for Phosphate due to sample matrix interference.
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Report number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397619

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 03 - Cockrone Lagoon

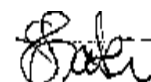
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 11:10
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	30.3 mS/cm
Dissolved Oxygen	In Situ Testing	6.1 mg/L
pH	In Situ Testing	8.6 pH Units
Salinity	In Situ Testing	18.8 PSS
Temperature	In Situ Testing	25.3 °C
Turbidity	In Situ Testing	4.7 NTU
Ammonia Nitrogen as N	CA13201	0.03 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	0.002 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	5 µg/L
Enterococci	CA22064	18 CFU/100mL
Entrance Condition		Closed
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.01 mg/L
Pseudoanabaena sp.	EXTERNAL	800 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	<10 CFU/100mL
Total Blue Green Algae	EXTERNAL	800 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.8 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.8 mg/L
Total Phosphorus	CA13200	<0.01 mg/L
Total Suspended Solids (@ 105°C)	CA12119	4 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397619 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001. Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Report number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report:

397620

Date Sampled:

10/Feb/2009

Date Received:

10/Feb/2009

Date Completed:

27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 05 - Kincumber Creek

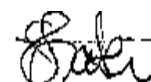
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 10:55
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	52.1 mS/cm
Dissolved Oxygen	In Situ Testing	6.0 mg/L
pH	In Situ Testing	7.3 pH Units
Salinity	In Situ Testing	34.1 PSS
Temperature	In Situ Testing	21.6 °C
Turbidity	In Situ Testing	1.2 NTU
Ammonia Nitrogen as N	CA13201	0.02 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	4 µg/L
Enterococci	CA22064	838 CFU/100mL
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.02 mg/L
Ortho-Phosphate (as P)	CA13200	0.03 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	788 CFU/100mL
Total Blue Green Algae	EXTERNAL	0 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.3 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.3 mg/L
Total Phosphorus	CA13200	0.03 mg/L
Total Suspended Solids (@ 105°C)	CA12119	8 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397620 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001. Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Report number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397621

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 04 - Avoca Lagoon

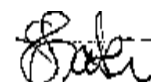
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 10:30
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	28.0 mS/cm
Dissolved Oxygen	In Situ Testing	5.9 mg/L
pH	In Situ Testing	8.0 pH Units
Salinity	In Situ Testing	17.2 PSS
Temperature	In Situ Testing	26.1 °C
Turbidity	In Situ Testing	8.4 NTU
Ammonia Nitrogen as N	CA13201	0.01 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	3 mg/L
Chlorophyll a	CA13428	17 µg/L
Enterococci	CA22064	45 CFU/100mL
Entrance Condition		Closed
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	<0.01 mg/L
Ortho-Phosphate (as P)	CA13200	0.02 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	<10 CFU/100mL
Total Blue Green Algae	EXTERNAL	0 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.9 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.9 mg/L
Total Phosphorus	CA13200	0.03 mg/L
Total Suspended Solids (@ 105°C)	CA12119	4 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397621 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001. Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Report number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



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GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397622

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 02 - Terrigal Lagoon

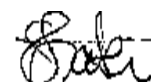
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 10:10
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	26.4 mS/cm
Dissolved Oxygen	In Situ Testing	5.6 mg/L
pH	In Situ Testing	7.4 pH Units
Salinity	In Situ Testing	16.1 PSS
Temperature	In Situ Testing	24.6 °C
Turbidity	In Situ Testing	17.1 NTU
Ammonia Nitrogen as N	CA13201	0.08 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	3 µg/L
Enterococci	CA22064	1108 CFU/100mL
Entrance Condition		Closed
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.04 mg/L
Ortho-Phosphate (as P)	CA13200	<0.07 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	739 CFU/100mL
Total Blue Green Algae	EXTERNAL	0 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.5 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.5 mg/L
Total Phosphorus	CA13200	<0.07 mg/L
Total Suspended Solids (@ 105°C)	CA12119	12 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397622 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001. Date: 26/02/2009. (* Indicates potential toxin producers.)
 Limit of reporting raised for Phosphate due to sample matrix interference.
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Report number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report:

397623

Date Sampled:

10/Feb/2009

Date Received:

10/Feb/2009

Date Completed:

27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 01 - Wamberal Lagoon

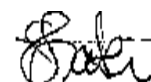
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 9:45
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	30.4 mS/cm
Dissolved Oxygen	In Situ Testing	5.7 mg/L
pH	In Situ Testing	8.0 pH Units
Salinity	In Situ Testing	18.8 PSS
Temperature	In Situ Testing	24.2 °C
Turbidity	In Situ Testing	4.7 NTU
Ammonia Nitrogen as N	CA13201	0.05 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	1 µg/L
Enterococci	CA22064	9 CFU/100mL
Entrance Condition		Closed
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.02 mg/L
Ortho-Phosphate (as P)	CA13200	<0.07 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	27 CFU/100mL
Total Blue Green Algae	EXTERNAL	0 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.8 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.8 mg/L
Total Phosphorus	CA13200	<0.07 mg/L
Total Suspended Solids (@ 105°C)	CA12119	5 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397623 Limit of reporting raised for Phosphate due to sample matrix interference.
 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001.
 Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Rep
 number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
 Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397624

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 06 - Erina Creek

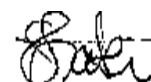
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 9:30
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	54.8 mS/cm
Dissolved Oxygen	In Situ Testing	5.3 mg/L
pH	In Situ Testing	7.4 pH Units
Salinity	In Situ Testing	36.2 PSS
Temperature	In Situ Testing	24.3 °C
Turbidity	In Situ Testing	4.0 NTU
Ammonia Nitrogen as N	CA13201	0.04 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	2 µg/L
Enterococci	CA22064	27 CFU/100mL
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.07 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	9 CFU/100mL
Total Blue Green Algae	EXTERNAL	0 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.2 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.2 mg/L
Total Phosphorus	CA13200	<0.07 mg/L
Total Suspended Solids (@ 105°C)	CA12119	13 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397624 Limit of reporting raised for Phosphate due to sample matrix interference.
 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001.
 Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Re
 number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
 Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397625

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 07 - Narara Creek

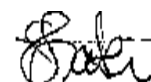
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 9:15
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	53.4 mS/cm
Dissolved Oxygen	In Situ Testing	4.4 mg/L
pH	In Situ Testing	6.6 pH Units
Salinity	In Situ Testing	35.2 PSS
Temperature	In Situ Testing	24.7 °C
Turbidity	In Situ Testing	4.3 NTU
Ammonia Nitrogen as N	CA13201	0.10 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	1 µg/L
Enterococci	CA22064	99 CFU/100mL
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.02 mg/L
Ortho-Phosphate (as P)	CA13200	<0.08 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	58 CFU/100mL
Total Blue Green Algae	EXTERNAL	0 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.3 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.3 mg/L
Total Phosphorus	CA13200	<0.08 mg/L
Total Suspended Solids (@ 105°C)	CA12119	5 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397625 Limit of reporting raised for Phosphate due to sample matrix interference.
 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001.
 Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Re
 number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
 Chemist



GOSFORD CITY COUNCIL

NSW, AUSTRALIA

Request Number: EF800120

Nalco Representative: David Supierz

Laboratory Report: 397626

Date Sampled: 10/Feb/2009

Date Received: 10/Feb/2009

Date Completed: 27/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 08 - Woy Woy Creek

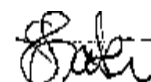
<u>Analyte</u>	<u>Test Method</u>	<u>Result</u>
Date and Time of Sampling	In Situ Testing	10-Feb-2009 12:05
Depth	In Situ Testing	1.0 m
Conductivity	In Situ Testing	54.3 mS/cm
Dissolved Oxygen	In Situ Testing	5.7 mg/L
pH	In Situ Testing	7.7 pH Units
Salinity	In Situ Testing	36.0 PSS
Temperature	In Situ Testing	26.2 °C
Turbidity	In Situ Testing	4.5 NTU
Ammonia Nitrogen as N	CA13201	0.04 mg/L
Blue Green Algae Analysis Date	EXTERNAL	20-Feb-2009 0:00
Blue Green Biovolume	CA22060	<0.001 mm ³ /L
BOD (5-Day)	CA11048	<2 mg/L
Chlorophyll a	CA13428	1 µg/L
Enterococci	CA22064	45 CFU/100mL
Merismopedia sp.	EXTERNAL	0 Cells/mL
Nitrite + Nitrate as N (NO _x)	CA13202	0.01 mg/L
Ortho-Phosphate (as P)	CA13200	<0.07 mg/L
Pseudoanabaena sp.	EXTERNAL	0 Cells/mL
Synechococcus spp.	EXTERNAL	0 Cells/mL
Thermotolerant Coliforms	CA22067	27 CFU/100mL
Total Blue Green Algae	EXTERNAL	0 Cells/mL
Total Kjeldahl Nitrogen	CA13202	0.2 mg/L
Total Nitrogen as N (TKN + NO _x)	CA11130	0.2 mg/L
Total Phosphorus	CA13200	<0.07 mg/L
Total Suspended Solids (@ 105°C)	CA12119	7 mg/L
Unknown Cyanobacteria	EXTERNAL	0 Cells/mL

Comments

397626 Limit of reporting raised for Phosphate due to sample matrix interference.
 External Algae Analysis by: NATA Accreditation Number: 825. Report number: ES0902001.
 Date: 26/02/2009. (* Indicates potential toxin producers.)
 External Analysis by: Australian Laboratory Services. NATA Accreditation Number: 825. Re
 number: ES0902001. Report Date: 26/02/2009

Date: 27/Feb/2009

Authorised by:



Samantha Fraser, BSc.
 Chemist

**GOSFORD CITY COUNCIL**

NSW, AUSTRALIA

Request Number: EF800120**Nalco Representative:** David Supierz**Laboratory Report:**

397627

Date Sampled:

10/Feb/2009

Date Received:

10/Feb/2009

Date Completed:

18/Feb/2009

WATER ANALYSIS

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

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

Enterococci

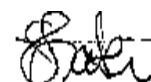
CA22064

<2 CFU/100mL

Thermotolerant Coliforms

CA22067

<2 CFU/100mL

Comments**Date:** 27/Feb/2009**Authorised by:**Samantha Fraser, BSc.
Chemist

**GOSFORD CITY COUNCIL**

NSW, AUSTRALIA

Request Number: EF800120**Nalco Representative:** David Supierz**Laboratory Report:**

397628

Date Sampled:

10/Feb/2009

Date Received:

10/Feb/2009

Date Completed:

18/Feb/2009

WATER ANALYSIS

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

Sample Taken From: 13 - Field Blank - Cockle Creek**Analyte****Test Method****Result**

Enterococci

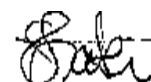
CA22064

<2 CFU/100mL

Thermotolerant Coliforms

CA22067

<2 CFU/100mL

Comments**Date:** 27/Feb/2009**Authorised by:**Samantha Fraser, BSc.
Chemist

**GOSFORD CITY COUNCIL**

NSW, AUSTRALIA

Request Number: EF800120**Nalco Representative:** David Supierz**Laboratory Report:**

397629

Date Sampled:

10/Feb/2009

Date Received:

10/Feb/2009

Date Completed:

18/Feb/2009

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

1.97 m

High Tide Time

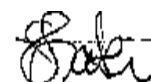
08:39

Rainfall For Preceding 48 Hours

8.6 mm

Rainfall For Preceding 7 Days

10.6 mm

Comments**Date:** 27/Feb/2009**Authorised by:**Samantha Fraser, BSc.
Chemist