

Adani

**Appendix B6 – *In Situ* Surface Water Quality Results**







## CDM Smith Surface Water Quality Monitoring

Location: TO SW1

Creek name: NIA => wetland

Date: 01/08/2012

Time: 10:30 am

Recorder: Hannah & Brett

Related photos: 23 & 24

GPS location: \_\_\_\_\_ S

\_\_\_\_\_ E

Parameter	Replicate 1	Replicate 2	Replicate 3
Water Temperature (°C)	21.4	21.1	21
Dissolved oxygen (ppm) (%S)	84.8	83.8	86.4
pH	7.88	7.87	7.88
Conductivity (µS/mm) (µS/cm)	8230	5440	5420
Turbidity (NTU)	14.8	14.4	14.3
Redox Potential (V) (mV)	149	151	159

Notes: \_\_\_\_\_  
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## CDM Smith Surface Water Quality Monitoring

Location: TO-SW2

Creek name: N/A → Wetland

Date: 02/09/2012

Time: 8:30am

Recorder: Hannah + Brett

Related photos: 27 + 28

GPS location: \_\_\_\_\_ S

\_\_\_\_\_ E

Parameter	Replicate 1	Replicate 2	Replicate 3
Water Temperature (°C)	18.8	18.1	18.1
Dissolved oxygen (ppm) (%S)	60.6	56.9	55.4
pH	7.37	7.43	7.42
Conductivity (µS/mm) (µS/cm)	4760	4860	4850
Turbidity (NTU)	7.6	7.8	6.6
Redox Potential (V) (mV)	164	147	140

Notes: \_\_\_\_\_  
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## CDM Smith Surface Water Quality Monitoring

Location: TO - SW 3

Creek name: WA → Wetland

Date: 1/8/2012

Time: 12:45

Recorder: Hannah & Brett

Related photos: 25 & 26

GPS location: \_\_\_\_\_ S

\_\_\_\_\_ E

Parameter	Replicate 1	Replicate 2	Replicate 3
Water Temperature (°C)	24.3	24.7	24.8
Dissolved oxygen (ppm) (%S)	135.1	131.9	130.2
pH	8.07	8.4	8.44
Conductivity (µS/mm) (µS/cm)	6700	6610	6590
Turbidity (NTU)	24.1	25.1	25.2
Redox Potential (V) (mV)	170	167	168

Notes: \_\_\_\_\_  
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## CDM Smith Surface Water Quality Monitoring

Location: TO-SW4

Creek name: Saltwater Creek

Date: 02/08/2012

Time: 10:15am

Recorder: Hannah + Brett

Related photos: 29 + 30

GPS location: \_\_\_\_\_ S

\_\_\_\_\_ E

Parameter	Replicate 1	Replicate 2	Replicate 3
Water Temperature (°C)	20.8	20.9	20.9
Dissolved oxygen (ppm) (1%S)	120.6	115.7	123.1
pH	8.51	8.52	8.52
Conductivity (µS/mm) (µS/cm)	2880	2890	2890
Turbidity (NTU)	26.5	24.5	25.1
Redox Potential (V) (mV)	111	111	111

Notes: \_\_\_\_\_  
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## CDM Smith Surface Water Quality Monitoring

Location: 70-SWS

Creek name: Saltwater Creek => Streamlet

Date: 02/08/2012

Time: ~~12:45~~ 12:45

Recorder: Hannah & Brett

Related photos: \_\_\_\_\_

GPS location: \_\_\_\_\_ S

\_\_\_\_\_ E

Parameter	Replicate 1	Replicate 2	Replicate 3
Water Temperature (°C)	23.1	22.4	23.0
Dissolved oxygen (ppm) (%S)	125.6	120.4	124.3
pH	8.17	8.19	8.19
Conductivity (µS/mm) (µS/cm)	1899	1897	1871
Turbidity (NTU)	12	8.7	9.8
Redox Potential (V) (mV)	140	150	158

Notes: \_\_\_\_\_  
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### CDM Smith Surface Water Quality Monitoring

Location: TO-SWB

Creek name: Saltwater Creek

Date: 01/08/2012

Time: 8:20am

Recorder: Hannah + Brett

Related photos: 21+22

GPS location: \_\_\_\_\_ S

\_\_\_\_\_ E

Parameter	Replicate 1	Replicate 2	Replicate 3
Water Temperature (°C)	19.3	19.0	19.2
Dissolved oxygen (ppm) (%S)	97.2	98.4	98.7
pH	8.3	8.33	8.33
Conductivity ( $\mu\text{S}/\text{mm}$ ) ( $\mu\text{S}/\text{cm}$ )	3330	3290	3270
Turbidity (NTU)	37	26.7	34.3
Redox Potential (V) (mV)	120	117	114

Notes: \_\_\_\_\_  
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