

Final

Report To:	Project:	EPA-18-00609
	Report Number :	3176
	Entity:	
	Location/Site:	

Sample Number:	18-04845	Sampled Date:	16/04/2018 12:31:00
Sampling Point:	WE_29_37_0010_OP	Sampled By:	MD+FM
Description:	Cutra Site 1	Replicate / Split:	
Sample Condition:	Good	Grab/Composite:	
		Received in Lab:	27/03/2018

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	15.4	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	11.1	mg/l				CB	
Dissolved Oxygen	107	% saturation				CB	
Temperature	10.5	°C				CB	
Transparency (Secchi)	1.4	m				CB	
Alkalinity	52	mg/l CaCO3		20%	17/04/2018	CB	EPA_W17 *
Ammonia	<0.02	mg/l N		21%	17/04/2018	CB	EPA_W07 *
Conductivity @25°C	168	µS/cm		11%	17/04/2018	CB	EPA_W08 *
Nitrate	<0.2	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	17/04/2018	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	17/04/2018	CB	EPA_W07 *
pH	7.7	pH units		0.2 pH units	17/04/2018	CB	EPA_W09 *

Silica	0.99	mg/l SiO ₂	12%	17/04/2018	CB	EPA_W11 *
Total Oxidised Nitrogen	<0.2	mg/l N	18%	17/04/2018	CB	EPA_W07 *
Total Phosphorus	0.018	mg/l P	22%	17/04/2018	CB	EPA_W06 *
True Colour	92	mg/l PtCo	26%	17/04/2018	CB	EPA_W15 *
Chlorophyll	3.5	mg/m ³		17/04/2018	CB	

Comment:

Sample Number: 18-04846
Sampling Point: WE_29_37_0020_OP
Description: Cutra Site 2

Sampled Date: 16/04/2018 12:20:00
Sampled By: MD+FM
Replicate / Split:
Grab/Composite:
Received in Lab: 27/03/2018

Sample Condition: Good

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	12.9	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	11.1	mg/l				CB	
Dissolved Oxygen	107	% saturation				CB	
Temperature	10.7	°C				CB	
Transparency (Secchi)	1.6	m				CB	
Alkalinity	53	mg/l CaCO3		20%	17/04/2018	CB	EPA_W17 *
Ammonia	<0.02	mg/l N		21%	17/04/2018	CB	EPA_W07 *
Conductivity @25°C	168	µS/cm		11%	17/04/2018	CB	EPA_W08 *
Nitrate	<0.2	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	17/04/2018	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	17/04/2018	CB	EPA_W07 *
pH	8.0	pH units		0.2 pH units	17/04/2018	CB	EPA_W09 *
Silica	1.0	mg/l SiO2		12%	17/04/2018	CB	EPA_W11 *
Total Oxidised Nitrogen	<0.2	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Total Phosphorus	0.016	mg/l P		22%	17/04/2018	CB	EPA_W06 *
True Colour	92	mg/l PtCo		26%	17/04/2018	CB	EPA_W15 *
Chlorophyll	3.7	mg/m3			17/04/2018	CB	

Comment:

Sample Number: 18-04847
Sampling Point: WE_29_194_0010_OP
Description: Rea Site 1

Sampled Date: 16/04/2018 11:30:00
Sampled By: MD+FM
Replicate / Split:
Grab/Composite:
Received in Lab: 27/03/2018

Sample Condition: Good

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	10.5	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	12.1	mg/l				CB	
Dissolved Oxygen	107	% saturation				CB	
Temperature	9.8	°C				CB	
Transparency (Secchi)	5.1	m				CB	
Alkalinity	139	mg/l CaCO3		20%	17/04/2018	CB	EPA_W17 *
Ammonia	<0.02	mg/l N		21%	17/04/2018	CB	EPA_W07 *
Conductivity @25°C	311	µS/cm		11%	17/04/2018	CB	EPA_W08 *
Nitrate	<0.2	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	17/04/2018	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	17/04/2018	CB	EPA_W07 *
pH	8.4	pH units		0.2 pH units	17/04/2018	CB	EPA_W09 *
Silica	1.1	mg/l SiO2		12%	17/04/2018	CB	EPA_W11 *
Total Oxidised Nitrogen	<0.2	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Total Phosphorus	0.011	mg/l P		22%	17/04/2018	CB	EPA_W06 *
True Colour	5	mg/l PtCo		26%	17/04/2018	CB	EPA_W15 *
Chlorophyll	8.0	mg/m3			17/04/2018	CB	

DOC	4.4	mg/l	1.1mg/l or 22%	26/04/2018	CB	EPA_W22 *
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Comment:

Sample Number: 18-04848
Sampling Point: WE_29_194_0020_OP
Description: Rea Site 2

Sampled Date: 16/04/2018 11:10:00
Sampled By: MD+FM
Replicate / Split:
Grab/Composite:
Received in Lab: 27/03/2018

Sample Condition: Good

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	4.9	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	11.6	mg/l				CB	
Dissolved Oxygen	105	% saturation				CB	
Temperature	9.9	°C				CB	
Transparency (Secchi)	>4.9	m				CB	
Alkalinity	151	mg/l CaCO3		20%	17/04/2018	CB	EPA_W17 *
Ammonia	0.022	mg/l N		21%	17/04/2018	CB	EPA_W07 *
Conductivity @25°C	336	µS/cm		11%	17/04/2018	CB	EPA_W08 *
Nitrate	<0.2	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	17/04/2018	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	17/04/2018	CB	EPA_W07 *
pH	8.2	pH units		0.2 pH units	17/04/2018	CB	EPA_W09 *
Silica	1.7	mg/l SiO2		12%	17/04/2018	CB	EPA_W11 *
Total Oxidised Nitrogen	<0.2	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Total Phosphorus	<0.01	mg/l P		22%	17/04/2018	CB	EPA_W06 *
True Colour	<5	mg/l PtCo		26%	17/04/2018	CB	EPA_W15 *
Chlorophyll	4.8	mg/m3			17/04/2018	CB	

Comment:

Sample Number: 18-04849
Sampling Point: WE_30_345_0010_OP
Description: Ross Midlake

Sampled Date: 16/04/2018 14:40:00
Sampled By: MD+FM
Replicate / Split:
Grab/Composite:
Received in Lab: 27/03/2018

Sample Condition: Good

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	4.4	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	11.3	mg/l				CB	
Dissolved Oxygen	102	% saturation				CB	
Temperature	10.3	°C				CB	
Transparency (Secchi)	2.1	m				CB	
Alkalinity	109	mg/l CaCO3		20%	17/04/2018	CB	EPA_W17 *
Ammonia	<0.02	mg/l N		21%	17/04/2018	CB	EPA_W07 *
Conductivity @25°C	265	µS/cm		11%	17/04/2018	CB	EPA_W08 *
Nitrate	0.26	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	17/04/2018	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	17/04/2018	CB	EPA_W07 *
pH	8.0	pH units		0.2 pH units	17/04/2018	CB	EPA_W09 *
Silica	1.8	mg/l SiO2		12%	17/04/2018	CB	EPA_W11 *
Total Oxidised Nitrogen	0.26	mg/l N		18%	17/04/2018	CB	EPA_W07 *
Total Phosphorus	<0.01	mg/l P		22%	17/04/2018	CB	EPA_W06 *
True Colour	36	mg/l PtCo		26%	17/04/2018	CB	EPA_W15 *
Chlorophyll	1.0	mg/m3			17/04/2018	CB	

Comment:

Report Approved By:



Jason Barry - Chemist

Bold result are outside specified limits. * Indicates accredited method. nm = not measured, nr = not reported, vob = visible on bottom.

Field Measurements are performed on the date of sampling. Results relate only to the item tested/calibrated.

This test report shall not be amended except in full without approval of the laboratory.