

Association for Christian Education Inc.

### Rehoboth Christian College – Kenwick Annual Compliance Report – Ministerial Statement 780

18 January 2019

Natural Area Holdings Pty Ltd 99C Lord Street, Whiteman, WA, 6076 Ph: (08) 9209 2767 info@naturalarea.com.au www.naturalarea.com.au

















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### 1.0 Introduction

The Association for Christian Education Inc. owns and operates the Rehoboth Christian College at 92 Kenwick Road, Kenwick, within the City of Gosnells (Figure 1). A referral describing proposed extensions to the school was submitted to the EPA under Part IV of the *Environmental Protection Act 1986* (WA) due to the potential impacts on flora and wetlands within the school boundary. The EPA issued Bulletin 1249 in March 2007 indicating that the assessment level for the project was 'assessment on referral information' (ARI). The Office of the Environmental Protection Authority (OEPA) published Ministerial Statement 780 on 19 January 2009 indicating that the project could proceed.

Natural Area Holdings Pty Ltd, trading as Natural Area Consulting Management Services (Natural Area), was commissioned by Rehoboth Christian College on behalf of the proponent, Association for Christian Education Inc., to prepare this, the eighth Annual Compliance Report. It will report on the project for the period 20 January 2018 to 19 January 2019 and was submitted to the Office of the Environmental Protection Agency (OEPA) on 18 January 2019. It will provide information relating to compliance documented within the Ministerial Statement and proponent commitment's audit tables, as well as outline work underway to progress Stage 2 of the expansion works that commenced during 2018 in a portion of Lot 107 and Lot 900 (previously Lot 105A) Brixton Street.

Phase 1 of the extension works involved the:

- development of 1.0 ha of land that was characterised as a conservation category wetland (CCW) that
  includes 0.60 ha of the threatened ecological community (TEC) claypan wetlands
- conservation management of 2.3 ha of two TECs in the remainder of the school lot, including:
  - full rehabilitation of 0.18 ha of TEC claypan wetlands
  - partial rehabilitation of 0.66 ha of TEC claypan wetlands
  - preparation of a series of management plans for wetland and drainage areas.

All works associated with Phase 1 were completed by December 2015 and documented in the January 2016 Annual Compliance Report prepared by Natural Area.

The Association for Christian Education is now progressing the development of the triangular area bounded by Brixton Street, Wanaping Road and the wetland area (Lot 900 and a portion of Lot 107), with clearing commencing on 26 April 2018 and construction commencing on 03 August 2018. The original plans prepared by BlueSands Environmental have been updated through preparation of an addendum and submitted to the EPA service unit on 12 March 2018. Note that the City of Gosnells required the development of updated stand-alone management plans as part of their development approval application that were approved on 23 July 2018.



### 2.0 Current Status

Stage 1 building commenced in February 2011 after the approval of the Wetland Rehabilitation Plan, the Wetland Management Plan and Drainage and Nutrient Management Plan in November 2010 (Sands, 2012, personal communication; OEPA, 2010, personal communication), and was completed later that year. Implementation of the wetland revegetation plan is complete, as are the requirements of the Drainage Management Plan and the Wetland Management Plan, each of which were specific to Lot 107 (Stage 1). Updated versions of these plans were prepared by Natural Area, as were the seventh Annual Environmental Compliance Report and the fourth Performance Review Report which were submitted to DWER on 19 January 2018.

Works associated with the development of Stage 2 in Lot 900 and a portion of Lot 107 have now commenced, with Natural Area overseeing all environmental works. Accordingly, during 2018 Natural Area has:

- updated management plans via an addendum and submitted them to the EPA Service Unit of the Department of Water and Environmental Regulation, submitted 12 March 2018
- continued the ground and surface water quality monitoring program within the development area and the conservation category wetland
- decided there was no need for a referral to the Department of the Environment and Energy relating
  to the presence of the threatened ecological community claypan wetlands of the Swan Coastal Plain
  as their presence had been considered and preserved during the initial environmental approval
  process implement prior to the development of stage 1 for which Ministerial Statement 780 was
  issued
- on award of the building contract, met with key project personnel from Alita Construction, advising them of the provisions of the management plans and how they related to their activities (08 May 2018)
- undertook an onsite environmental induction for site-based Alita personnel and contractors on 27 August 2018 with Alita Construction advising of additional inductions carried out by their Project Manager since then
- undertook an audit/inspection of the phase 2 construction site on 24 October 2018, with the site being clean and tidy with no encroachment into the conservation area (Figure 1).



Figure 1: Stage 2 construction zone, 24 October 2018

### 3.0 Compliance

The Association for Christian Education Inc. continues to comply with the conditions listed in Ministerial Statement 780 and the approved management plans. Evidence of this is included in the audit tables provided in Section 5.

### 3.1 Non-compliances and Non-conformances

According to the Environmental Protection Authority (2014), a non-compliance is a failure to meet requirements specified within the Ministerial Statement, while a non-conformance is any deviation from procedures, programs and/or management actions described in an environmental management plan. No non-compliances or non-conformances have occurred in the period 20 January 2018 – 19 January 2019.

### 3.2 Complaints Register

A complaints register has been prepared by Rehoboth Christian College and is kept at the front office. The complaints register includes the following provisions:

- date
- complainant
- contact details
- · nature of the complaint
- response
- · date of response.

No complaints have been received since the register was prepared in 2012.

### 3.3 Compliance Statement

This Annual Compliance Report provides verifiable evidence of compliance with required conditions outlined in Ministerial Statement 780 and endorsed actions and commitments outlined in proponent Management Plans. A Compliance Statement as per PAF Assessment Form 2 is provided in Appendix 1 of this document.

### 4.0 Environmental Monitoring and Research

During the period 20 January 2018 – 19 January 2019, environmental monitoring and research was limited to the pre-development and during construction ground and surface water monitoring activities that occurred; note that MB2 was removed as a changed design meant its location was within the building footprint; a decision as to whether this will be replaced will be made in the new year. The College continues to undertake nutrient analysis of the ovals prior to fertilising, with Nuturf results provided in Appendix 2.

### 4.1 Groundwater Quality Monitoring

Three groundwater monitoring bores were installed by Hyd<sub>2</sub>O along the boundary between Lot 900 and the existing school site and the conservation category wetland (Figure 2) on 26 October 2016, and except for MB2 which was removed, have been sampled by Natural Area on a regular basis since November 2016.

### 4.1.1 Pre-construction Monitoring

Five sampling events occurred between 22 Nov 2016 and 07 August 2018 that represent the baseline conditions to which future results will be compared to (Table 1, Certificates of Analysis provided in Appendix 3). Results of all parameters are below recommended guideline levels listed in the ANZECC Fresh and Marine Water Quality Guidelines (ANZECC, 2000). Conductivity readings indicated that the water remained in the brackish range, and that suspended solids in MB3 were much higher than those in MB1 and MB2. It is unknown why the EC/TSS results for MB3 are higher, with possible explanations including:

- issue with analysis process; while this is possible, the higher results have been obtained on three of the four recorded monitoring sessions, suggesting this is not likely to be the source.
- issue with bore construction whereby clay particles and other fine materials are not excluded from the bore
- · sediment within the bore is being stirred up during the sampling process
- a salt water plume is draining from a fracture within the Yilgarn formation to the east (Walker, 2018).

### 4.1.2 During Construction Groundwater Quality Monitoring

The first monitoring event during construction occurred on 30 November 2018 with results consistent to pre-development monitoring outcomes (Table 1).

### 4.2 Surface Water Quality Monitoring

The seasonal, shallow nature of the claypan wetlands within the conservation area of Lot 107 continue to mean there are difficulties collecting representative surface water quality samples. It was not possible to collect pre-development samples between 2016 and 2018, with previous surface quality sampling ceasing in 2015. One sample was collected on 30 August 2018, shortly after the commencement of construction, and will provide the baseline for future monitoring events. Results of key parameters are within recommended ANZECC guideline values.

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results
monitoring
quality
e 1: Groundwater
Table

			Pre-dev	Pre-development monitoring	t monito	ring												De	Development	t z
Parameter	Units	ANZECC Guideline Values	2.	22 Nov 2016	9;	24	24 May 2017		15 0	15 Dec 2017		28 N	28 March 2018	18	07.0	07 August 2018	118	30 No	30 November 2018	2018
			MB1	MB2	MB3	MB1	MB2	MB3	MB1	MB2	MB3	MB1	MB2	MB3	MB1	MB2	MB3	MB1	MB2	MB3
Hd	pH units	7.0-8.5	8.05	7.86	7.23	8.03	7.88	7.40	77.7	NA	NA A	7.80	7.02	7.30	7.54	NA	6.79	7.75	AN	6.92
Electrical conductivity (EC)	µS/cm		8740	3240	3400	8190	3710	4460	5910	AN	A A	7420	6150	4530	842	AN	8380	3540	AN	3360
Total suspended solids (TSS)	mg/L		15	9	10400	818	\$	18000	95	AN	AN	34	45	36700	10	N A	4380	25	NA	3260
Alkalinity as CaCO <sub>3</sub>	mg/L		26	00	29	42	12	59	29	NA	NA	59	43	105	13	NA	20	16	NA	32
Aluminium	mg/L		<0.01	<0.01	0.16	<0.01	<0.01	<0.01	<0.01	NA	NA	<0.01	<0.01	<0.01	<0.01	NA	<0.01	0.02	NA	0.01
Arsenic	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0,001	NA	<0.001	0.001	AN	<0.001
Iron	mg/L		<0.05	<0.05	0.23	90.0	<0.05	<0.05	<0.05	NA	NA	<0.05	0.12	<0.05	0.12	NA	<0.05	1.06	NA	<0.05
Ammonia as N	mg/L	0.04	0.27	0.04	0.07	0.02	0.07	0.04	0.03	NA	NA	0.03	0.04	0.03	0.02	NA	0.10	0.05	NA	0.10
Nitrite as N	mg/L		<0.01	<0.01	<0.01	0.12	<0.01	<0.01	90.0	NA	NA	60.0	0.02	<0.01	<0.01	AN	<0.01	<0.01	AN	<0.01
Nitrate as N	mg/L		<0.01	0.03	0.03	1.00	0.01	0.01	0.54	NA	NA	1.64	0.03	0.01	0.12	NA	0.02	0.12	NA	0.01
Nitrite + nitrate as N	mg/L	0.1	<0.01	0.03	0.03	1.12	0.01	0.01	0.60	AN	NA	1.73	0.05	0.01	0.12	AN	0.02	0.12	NA	0.01
Total Kjeldahl nitrogen	mg/L		1.0	0.4	<1.0	9:0	0.4	38.0	0.8	A A	A	1.0	0.2	1.7	8.0	AN	<0.5	1.4	NA	0.5
Total nitrogen as N	mg/L	1,5	1.0	0.4	<1.0	1.7	0.4	38.0	1.4	NA	NA	2.7	0.2	1.7	0.9	NA	<0.5	1.5	NA	0.5
Total phosphorous	mg/L	90'0	0.02	<0.01	0.31	60.0	0.02	2.68	0.07	NA	AN	0.02	<0.02	1.89	<0.01	NA	0.14	0.08	NA	0.15

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Table 2: Surface water quality monitoring results

	11.0		Pre-Cor	Pre-Construction	Devel	During Development
	SILID	ANZECC			30 AL	30 Aug 2018
		<b>Guideline Values</b>	SW1	SW2	SW1	SW2
Water level	cm				V	< 5
Hd	pH units	7.0 – 8.5	NA	NA	NA	7.22
Electrical conductivity (EC)	mS/cm		NA	NA	NA	2380
Total suspended solids (TSS)	mg/L		AN	NA	NA	46
Alkalinity as CaCO <sub>3</sub>	mg/L		NA	NA	NA	11
Aluminium	mg/L		AN	NA	NA	0.21
Arsenic	mg/L		AN	NA	AN	<0.001
Iron	mg/L		NA	NA	AN	0.43
Ammonia as N	mg/L	0.04	NA	NA	NA	0.02
Nitrite as N	mg/L		NA	NA	NA	<0.01
Nitrate as N	mg/L		AN	NA	NA	<0.01
Nitrite + nitrate as №	mg/L	0.1	AN	NA	NA	<0.01
Total Kjeldahl nitrogen	mg/L		NA	NA	NA	6.0
Total nitrogen as N	mg/L	1.5	NA	NA	NA	6.0
Total phosphorous	mg/L	90.0	NA	AN	NA	0.05

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# 5.0 Stakeholder Engagement

In order to prepare the 2019 annual compliance report, Natural Area contacted two individuals, the details of which are summarised in Table 3.

Table 3: Stakeholder Engagement

Date	Name	Position	Organisation	Purpose	Outcome
January -	Rachael Fairlamb	Accountant	Rehoboth Christian	Environmental matters relating	<ul> <li>Instructions relating to the decision</li> </ul>
May 2018	Mark Steyn	Chief Executive Officer	College (Association for Christian Education Inc.)	to the development of Stage 2	not to proceed with a referral to the Department of the Environment and Energy  Ongoing advice as required, input into various components associated with approva's, including the updated management plans.
December 2018	Rachael Fairlamb	Accountant	Rehoboth Christian College (Association for Christian Education Inc.)	Obtain information to support the preparation of the ACR	<ul> <li>Information provided</li> </ul>
January 2019	Rachael Fairlamb	Accountant	Rehoboth Christian College	Evidence to support demonstration of compliance	<ul> <li>Input into compliance report and final sign off</li> </ul>
	Mark Steyn	Chief Executive Officer	(Association for Christian Education Inc.)	with Ministerial Statement 780 and proponent commitments for the project	<ul> <li>Input into compliance report</li> </ul>

### 6.0 Audit Tables

Two audit tables are applicable to the Rehoboth Christian College proposal, namely the Ministerial Statement Audit Table, and the audit table documenting compliance with proponent commitments. The school has commenced the process of implementing stage 2 of the development process that was the subject of the initial environmental approvals process that culminated in Ministerial Statement 780 being issued. The management plans have been updated, with some conditions again becoming active as a result of the proposed construction while others are complete.

### 6.1 Ministerial Statement Audit Table

The Ministerial Statement Audit Table was prepared by the Office of the Environmental Protection Authority and outlines auditable Ministerial requirements and commitments that must be adhered to as part of the environmental approvals process. Each item has been assessed and an implementation status determined in accordance with guidance materials prepared by the OEPA (2014). Evidence of the status of each is also provided.

### 6.2 Environmental Management Plan Audit Table

Prior to any on-ground disturbances at Lot 107, a series of three environmental management plans (EMPs) were prepared in compliance with Ministerial Conditions 6.1, 8.1 and 9.1 of Ministerial Statement 780. These documents were prepared, approved and implemented, and explicitly stated they related Lot 107. However, as stage 2 of the development process will occur on a portion of Lot 107 and Lot 900, these documents were updated to include reference to Lot 900, as was the environmental management plan audit table.



### **AUDIT TABLE**

PROJECT: Extension of Rehoboth Christian School, 92 Kenwick Road, Kerwick, City of Gosnells Statement Compliance Section Statement 780

### Note:

- Phases that apply in this table = Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases)

- This audit table is a summary and timetable of conditions and commitments applying to this project. Refer to the Minister's Statement for full detail/precise wording of individual elements.
   Code perfixes: M = Minister's condition; P = Proponent's commitment; A = Audit specification; N = Procedure.
   Abbreviations: CAR = Compliance Assessment Report; CEO = Chief Executive Officer of OEPA, DEC = Department of Environment and Conservation, DER = Department of Environment, OEPA = Office of the Environmental Frotection Authority, Minister for Env = Minister for the Environmental Frotection Authority
  - oponert in circumstances outlined in Section

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	rearly stages of	How State 1 completed, Stage 2 in early states of
	n early stages of	Stage 1 completed, Stage 2 in early stages of implementation
		No change
		Not required
-	ated 19 Jan 2009	Ministerial Statement 780 dated 19 Jan 2009
		Completed
Compliance report	019 compliance report anuary 2019.	Compliance reporting, with 2019 compliance report prepared and submitted 18 January 2019.

Status	U	o .	U	U
Timeframe	Annally	Arrually	Within 2 weeks of submission to OEPA.	At the conclusion of the first, third, fifts, seventh and ninth years after the start of implementation of the prcaosal and then, at such intervals as the CEO of the DEC may regard as reasonable.
Phase	Overall	Overall	Overall	Overall
Evidence	Audit program and Compliance Report.	Compliance Report	Available on college website: http://rehoboth.wa.edu.au/our-storr/public- reports/#1516324043899-e44ba378-361;	Performance Review Reports, with fourth report submitted 19 January 2018.
Ном	Audit template provided by OEPA, audited annually by Natural Area and included in Annual Compliance Report	The environmental compliance reports shall:  1. be endorsed by signature of the proponents Managing Director or a person, approved in writing by the CEO of the Department of Environment and Conservation, delegated to sign on behalf of the proponents Managing Director;  2. state whether the proponent has complied with each condition and procedure contained in this statement;  3. provide verifiable evidence of compliance with each condition and procedure contained in this statement;  4. state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;  5. provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;  6. identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance;  7. review the effectiveness of all corrective and preventative actions taken; and  8. describe the state of implementation of the proposal.	In accordance with Proposal Implementation Monitoring Section D Fact Sheet 1 D Draft - Making Documents Publicly Available D May 2009.	The Performance Review Reports shall address:  1.the major environmental risks and impacts; the performance objectives, standards and criteria related to these; the success of risk reduction/impact mitigation measures and results of monitoring related to the management of the major risks and impacts;  2.the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable; and 3.significant improvements gained in environmental management which could be applied to this and other similar projects.
Kequirement	The environmental compliance reports shall address each element of an audit program approved by the CEO of the Department of Environment and Conservation and shall be prepared and submitted in a format acceptable to the CEO of the Department of Environment and Conservation	Submission of Environmental Compliance Reports.	The proponent shall make the environmental compliance reports required by condition 4-1 publicly available in a manner approved by the CEO of the Department of Environment and Conservation	The proponent shall submit to the CEO of the Department of Environment and Conservation Performance Review Reports at the conclusion of the Pirst, third, fifth, seventh and ninth years after the start of implementation of the proposal and then, at such intervals as the CEO of the Department of Environment and Conservation may regard as reasonable.
subject	Compliance Reporting	Compl ance Reporting	Compliance Reporting	Performance Review and Reporting
Code	780:M4.2	780:M4.3	780:M4.4	780:M5.1

Status	GED	CLD	CLD	CLD	CLD	CLD	O.	U	U
Time rame	Pror to commencement of ground disturbance activities.	Prior to commencement of ground cisturbance activities.	Prior to commencement of ground cieturbance activities.	Prior to commencement of ground discursance activities.	Post construction	Prier to commencement of ground disturbance activities.	Prior to commencement of ground disturbance activities.	Prior te commencement of ground disturbance activities.	Prior to commencement of ground disturbance activities.
Phase	Pre- construction	Pre- construction	Pre- construction	Pre- construction	Overall	Pre- construction	Pre- construction	Pre- construction	Pre- construction
Evidence	Wetland and Vegetation Rehabilitation Plan for Lot 107 completed, letter from OEPA dated 25 October 2016.	Wetland and Vegetation Rehabilitation Plan for Lot 107 completed, letter from OEPA dated 25 October 2016.	Wetland and Vegetation Rehabilitation Plan for Lot 107 completed, letter from OEPA dated 25 October 2016.	Wetland and Vegetation Rehabilitation Plan for Lot 107 completed, letter from OEPA dated 25 October 2016.	Wetland and Vegetation Rehabilitation Plan for Lot 107 completed, letter from OEPA dated 25 October 2016.	Conservation Covenant with a suitable covenant agency. Completed, OEPA letter dated 25 October 2016.	Wetland and Vegetation Management Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.	Wetland and Vegetation Management Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.	Wetland and Vegetation Management Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.
Ном	The plan shall meet the objectives set out in Condition 6-3 and the requirements of Condition 6-4 as determined by the CEO of the Department of Environment and Conservation.		The objectives of the Plan are to:  1.ensure full rehabilitation of not less than 0.18 hectares of Threatened Ecological Community claypan wetlands (refer to area defineated on Figure 2); 2.ensure partial rehabilitation of not less than 0.66 hectares of Threatened Ecological Community claypan wetlands (refer to area defineated on Figure 2) and; 3.ensure protection of endemic fauna.	The Plan shall include management measures for:  1.identification and protection of endemic fauna;  2.removal of weeds;  3.installation of fencing prior to site works;  4.revegetation or rehabilitation with appropriate local  5.implementation of the rehabilitation works by people  5.implementated expertise in rehabilitating wetlands	Annual Compliance Reports to 2016	The covenant shall: 1. ensure conservation of the Declared Rare Flora and Threatened Ecological Communities on site; 2. conserve the Conservation Category Wetland values and valuable inkages to other remnant vegetation and the Greater Brixton Street Wetlands; and 3. prohibit future development of the remaining undeveloped portion of Lot 107.	The plan shall meet the objectives set out in Condition 8-3 and the requirements of Condition 8-4 as determined by the CEO of the Department of Environment and Conservation.		The objectives of the Plan are to ensure:  1. ongoing management of the Conservation Area, which includes the Declared Rare Flora, Threatened Ecological Communities and the Conservation Category Wetland (See Figure 3) and:
redurement	Prior to commencement of ground disturbance activities, the proponent shall prepare and submit a Wetland and Vegetation Rehabilitation Plan.	In preparing the Plan the proponent shall consult with the DEC and Department of Water (DoW).	Prepare and submit a Wetland and Vegetation Rehabilitation Plan	Prepare and submit a Wetland and Vegetation Rehabilitation Plan	The proponent shall implement the Wetland Management Plan required by condition 6-1.	Prior to commencement of ground disturbance activities, the proponent shall enter into a Conservation Covenant with a suitable covenant agency for the Conservation Area delineated in Figure 3 (attached) that will adequately protect the wetland and vegetation values, to the satisfaction of the CEO of the Department of Environment and Conservation.	Prior to commencement of ground disturbance activities, the proponent shall prepare and submit a Wetland and Vegetation Management Plan.	In preparing the Plan the proponent shall consult with the DEC and DoW.	Prepare and submit a Wetland and Vegetation Management Plan.
Subject	Wetlard and Vegetation Rehabilitation Plan	Wetland and Vegetation Rehabilitation Plan	Wetland and Vegeta:ion Rehabilitation Plan	Wetland and Vegetation Rehabilitation	Plan	Covenant	t Plan	Plan	Wetland and Vegetation Management Plan
Code	780:M6.1	780:M6.2	780:M6.3	780:M6.4	780:M6.5	780:M7.1			780:M8.3

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Status		D D	O	U	U	U	U
Time rame		Prior to comment of ground cisturbance activities.	Implementation will continue for Phase 2	Implementation will continue for Phese 2	Implementation will continue for Phase 2	Implementation will continue for Phase 2	Imperrentation will continue for Phase 2
Phase		Pre- construction	Overall	Pre- construction	Pre-construction	Pre- construction	Pre- construction
Evidence		Wetland and Vegetation Management Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.	Wetland and Vegetation Managemert Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.	Drainage and Nutrient Management Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.	Drainage and Nutrient Management Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.	Drainage and Nutrient Management Flan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.	Drainage and Nutrient Management Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.
	2. ongoing management of the developed site (post-construction).	The Plan shall include management measures for:  1. identification and protection of endemic fauna; 2. provision and maintenance of ecological linkages; 3. provision of a densely vegetated strip of no less than underes between the development boundary and the wetland; 4. maintenance of fencing; 5. ongoing weeding; 6. ongoing planting of appropriate local species; 7. maintenance of rehabilitation plantings to ensure successful establishment; 8. ongoing monitoring of wetland and vegetation condition; 9. maintenance of paths and access areas; 10. identification and protection of Aboriginal sites; and 11. fire protection		The plan shall meet the objectives set out in Condition 9-3 and the requirements of Condition 9-4 as determined by the CEO of the Department of Environment and Conservation.		The objectives of the Plan are to:  1. Protect the environmental values of the wetland, adjacent wetlands and waterways; 2. Ensure that the hydrological regime of the conserved wetland is maintained; 3. Prevent or minimise impacts of nutrients, sediments and other pollutants from stormwater on the water quality of the wetland; and 4. Avoid acid sulphate soil drainage impacts on the wetland.	The Plan shall include management measures for:  1. Acid sulphate soils, including an investigation that details the potential for acid sulphate soils relating to the installation of the perimeter drain and that the subsequent recommendations in the event that ASS be
		Prepare and submit a Wetland and Vegetation Management Plan.	The proponent shall implement the Wetland Management Plan required by condition 8-1.	Prior to commencement of ground disturbance activities, the proponent shall prepare and submit a Drainage and Nutrient Management Plan.	In preparing the Plan the proponent shall consult with the DEC and DoW.	Prepare and Submit a Drainage and Nutrient Management Plan.	Prepare and submit a Drainage and Nutrient Management Plan.
		Wetland and Vegetation Management Plan	Plan	Plan	Plan	Plan	Drainage and Py Nutrient M Management Plan
Code		780:M8.4	780:M8.5	780:M9.1	780:M9.2		780:M9.4

Association for Christian Education Inc. 2019 Annual Compliance Report, Ministerial Statement 780

Audit	Subject	Requirement	Ном	Evidence	Phase	Timeframe	Status
			2. Drainage of the site and its potential impacts on the wetland;     3. Stormwater management, including installation of detention basins to minimise impacts of nutrients, sediments and other pollutants on the water quality of the wetland; and     4. Nutrient and irrigation management				
80:M9.5	780:M9.5 Drainage and Nutrient Management Plan	The proponent shall implement the Drainage and Nutrient Management Plan required by condition 9-1.		Drainage and Nutrient Management Plan for Lot 107 approved in 2010, addendum prepared 2018 to include reference to Lot 900.	Overall	Implementation will continue for Phase 2	U

## Management Plan Audit Table

Commitments Related to the Development Area

Phase: Prior to construction

No.	Management commitment	How	Evidence	Status	Date
PCI	Prior to s te works commencing, the construction area and a 10m buffer will be fenced with temporary 2m high Du construction fencing prior to site works (in addition to the existing wetland fencing)	During pre-construction works	Limestone retaining wall constructed between development site and conservation area Audit carried out on 24 October 2018 and other visits to the site confirmed no impacts to wetland conservation area	o	19 Jan 2019
2	Prior to site works, sediment fencing will be erected along the northern boundary and the top half of the eastern During pre-construction works boundary of the development area to prevent soil and sediment entering the wetland	During pre-construction works	As above	O	19 Jan 2019
PC2	Prior to construction, import clean fill to provide 0.5m clearance above AAMGL for development Du	During pre-construction works	Clean fill used, with confirmation of dieback free status provided by Glevam Consulting	U	19 Jan 2019

ase: During construction

No.	Management commitment	How	Evidence	Status	Date
100	During construction, install below ground drainage tanks and associated pipework with sufficient capacity to retain up to the 5 year ARI (as required by the City of Gosnells). Flows in excess of the 5 year ARI are permitted to discharge to the City of Gosnells piped stormwater network located along Brixton Street.	During construction works	Design approved by City of Gosnells during development approvals process	o	19 Jan 2019
DC2	Any wash water resu ting from construction activities (i.e. concreting, plastering, painting, gluing) shall be contained within a designated washdown area which will be lined with impervious material and covered to prevent stormwater entering the wash down area. The wash water will be regularly emptied and removed off site by a licensed contractor	Monitored by Site Supervisor and Natural Area	Visits to site by Natural Area since commencement of construction confirm no requirement for wash water to date	v	19 Jan 2019
DC3	Waste will be stored in closed skip bins or wheelie bins to minimise wind-blown waste entering the wetland	Site planning and management, monitoring by Site Supervisor and Natural Area		O	19 Jan 2019
DC4	Site personnel will be made aware of the location of waste bins and any special storage and disposal arrangements (e.g. wash down area)	Induction process and audits by Natural Area and/or Alita Constructions	Initial induction carried out by Natural Area on 27 August, with additional inductions carried out by Alita when required; evidence provided to Natural Area	U	19 Jan 2019
DCS	Where relevant, waste will be removed by a licensed contractor and will be disposed at an approved waste management facility	Waste skips removed weekly, or more frequently as required;	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
900	No hazardous substances or dangerous goods will be stored on site	Site planning and management; little or no requirement for dangerous goods during construction	Confirmed by Natural Area during various visits to the site	D.	19 Jan 2019
DC7	Any material contaminated by spills i.e. fuel, oil, lubricants etc. will be stored in a sealed secure container and transported to an approved waste disposal site	Monitored by Site Supervisor and None recorded Natural Area	None recorded	U	19 Jan 2019

No.	Management commitment	How	Evidence	Status	Date
DC8	Waste storage areas will be located at the southern end of the development area, away from the wetland and the stormwater system	Site planning and management	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
600	Temporary on-site toilets will be removed and replaced regularly	Ongoing construction management	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
DC10		Serviced by offsite providers at appropriate locations, monitored by Site Supervisor and Natural Area	Confirmed by Natural Area during various visits to the site	υ	19 Jan 2019
DC11		To be confirmed prior to building commencing	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
DC12	Construction machinery shall remain on the fill area	Site planning and management	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
DC13	Flammab e waste, including cigarette butts, shall be properly extinguished prior to disposal in waste bins	No smoking allowed on site; checked by Site Supervisor and Natural Area	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
DC14		Site planning and management	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
DC15	Place temporary demountable buildings for on-site personnel along the Brixton Street edge of the development area to screen construction activities from nearby residents	Site planning and management	Site in locations outside nominated building envelope	O	19 Jan 2019
DC16	Sediment fences will be regularly inspected, particularly during and after heavy rainfall to ensure they are fully functiona:	Site planning and management	Confirmed by Natural Area during various visits to the site	O	19 Jan 2019
DC17	Undertake a water monitoring program for the site, including groundwater levels and quality and surface water quantity and quality and surface water levels in wetland.  This will require the establishment of a staff gauge in the wetland area to measure surface water levels.	Implementation of surface and groundwater monitoring program, as outlined in the Drainage and Nutrient Management Plan and Wetland and Vegetation Management Plan originally prepared by BlueSands Environmental in 2010 and updated by Natural Area 2018	Groundwater quality monitoring continued in 2018; certificates of analysis provided in Appendix 3.  Staff gauge installed 18 September 2013, since damaged and removed. The shallow nature of the wetland means its reinstallation is not warranted.	v	19 Jan 2019
DC18	The boundary of the fill will be regularly inspected by the site manager and periodically by an environmental consultant, particularly during and after heavy rainfall to ensure erosion does not occur	Inspections regularly carried out by Site Supervisor and periodically by Natural Area	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
DC19	Regularly inspect the washdown area and ensure it is regularly emptied Environmental consultant to undertake random site inspections to ensure the management commitments are being adhered to and include findings in the performance report	Inspections regularly carried out by Site Supervisor and periodically by Natural Area	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
DC20	Site manager to regularly inspect the washdown area and ensure it is regularly emptied	Inspections regularly carried out by Site Supervisor and periodically by Natural Area	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019

No.	Management commitment	How	Evidence	Status	Date
DC21	Site manager to ensure that the site is regularly cleared of any litter (at least once per week or more often if conditions require)	Inspections regularly carried out by Site Supervisor and periodically by Natural Area	Confirmed by Natural Area during various visits to the site	U	19 Jan 2019
DC22	Site manager to regularly inspect waste storage areas (>3 times/week during construction period) to ensure proper d sposal of waste products	Inspections regularly carried out by Site Supervisor and periodically by Natural Area	Confirmec by Natural Area during various visits to the site	O O	19 Jan 2019
DC23	Site manager to regularly inspect waste storage areas (>3 times/week during construction period) to ensure bins are regularly emptied and no overflow occurs	Inspections regularly carried out by Site Supervisor and periodically by Natural Area	Confirmec by Natural Area during various visits to the site	v	19 Jan 2019
DC24	Environmental consultant to undertake random site inspections to ensure the management commitments are being adhered to ard include findings in the performance report	Random inspections carried out by Natural Area	Confirmed by Natural Area during various visits to the site	υ	19 Jan 2019
DC25	Establish a log of any complaints related to construction activities received by Rehoboth Christian School during the construction phase	Electronic complaints register set up in main office, includes details of date, complainant, contact information, details of the complaint, and response	Complaints register in place, with no complaints recorded	U	19 Jan 2019

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No.	Management commitment	How	Evidence	Status	Date
PoC1	Provide a densely vegetated strip of local native species along the north western boundary of the development	Mulching and on-ground planting activities	Site visits by Natural Area Consulting at various times, plants growing well without being too dense and posing a fire hazard	CLD	12/12/11
PoC2	Plants and mulch usec in landscaping shall be sourced from a NIASA accredited nursery. When ordering plants and mulch the manager/staff from the supplying nursery should be made aware that the plants and mulch must be disease free	Materials sourced from Benara Nursery, which is NIASA accredited	Communication with BlueSands Environmental, Benara website: http://www.benaranurseries.com/showpage.asp?ButtonID=1, accessed 03 May 2012	CLD	03/05/12
PoC3	Only slow release fertilisers will be applied to the oval and any new grassed areas.	2017 results provided	Communication with Rehoboth Christian College	U	19 Jan
PoC4	Application will only occur at peak growth times of the year, namely spring or early summer.		Reports from Nuturf provided in Appendix 2.		2019
PoCS	Fertiliser application will be subject to soil analysis, to avoid excessive fertiliser application and subsequent leaching into groundwater or runoff into the wetland.				
900	PoC6 Local native shrubs will be used in landscaping and the densely vegetated strip that shall be planted along the northern boundary of the buildings.	Mulching and on-ground planting activities	Site visit Natural Area Consulting at various times, plants growing well. Compliance with this commitment will be reviewed post construction of phase 2 works.	CLD	12/12/11
PoC7	Annually monitor the survival rate of plants within the vegetated strip for three years post-development	As per monitoring timetable for the conservation area, as determined by the on-ground works contractor, Natural Area	Site visits by Natural Area Consulting at various time confirmed that plants were thriving with no deaths. Monitoring has now occurred for three years post development and is rc longer required.	CLD	19/01/15

No.	Monitoring commitment	How	Fridonco		-
DC26	Indeptate a water maniposing account for the site in di		ראותכוורה	status	Date
040	origer care a water into mig program for the site, including groundwater levels and quality and	Implementation of surface	Groundwater quality monitoring continued in 2018; certificates	C	19 Jan
	surface water quantity and quality and surface water levels in wetland	_	and groundwater monitoring of analysis provided in Appendix 3.		2019
	This will require the establishment of a staff gauge in the wetland area to measure surface water levels.	program, as outlined in the			
		Drainage and Nutrient	Staff gauge installed 18 September 2013, since darnaged and		
		Management Plan and	removed. The shallow nature of the wetland means its		
		Wetland and Vegetation	reinstallation is not warranted.		
		Management Plan originally			
		prepared by BlueSands			
		Environmental in 2010 and			
		updated by Natural Area			
		2018			

No.	Management commitment	How	Evidence	Chatur	Charle
PoC8	Rehabilitate degraded areas of the conservation area, as per the Wetland and Vegetation Rehabilitation Plan (including weed removal, revegetation and maintenance)	On-ground works complete 2013	Natural Area Consulting Management Services Annual Report — January 2015	CLD	19/01/15
PoC9	Control weeds within the conservation area, paying particular attention to the boundary to ensure no new weed species are introduced to the area	to the boundary to ensure no new On-ground works complete 2013	Natural Area Consulting Management Services Annual Report – January 2015	CLD	19/01/15
PoC10	Prevent uncontrolled access of students and other pedestrians entering conservation area by maintaining fencing and keeping access points closed	Retain or install fencing between the main school grounds and the conservation category wetland	Ongoing visits by Natural Area	CLD	19/01/15
PoC11	Prevent students accessing the area during the months of June to September to prevent any disruption to the breeding season of the Quenda (Isoodon obesulus fusciventer)	Retain or install fencing between the main school grounds and the conservation category wetland;  No student field and/or project activities to be undertaken during this period	Register of stucent site visits indicates that visits are not permitted during June – September	U	19 Jan 2019
PoC12	Remove any waste dumped in the conservation area as soon as practical, in order to discourage further dumping and to prevent any impacts to flora and fauna	Inspections for the presence of rubbish occur at least each tern, any reported rubbish is removed as required	Various site visits by Natural Area	o	19 Jan 2019
PoC13	Manage exotic (introduced) fauna and flora on school grounds and in the conservation area by discouraging pets to be brought into the school grounds and by informing adjacent residents of the need to keep pets out of the conservation area (either by letter drop or a notice in the local paper)	No pets are allowed at the school at any time	Communication with Rehoboth Christian College personnel; school grounds are fenced preverting uncontrolled access to the wetland area, ferce continues to be in good repair, rabbit control program carried out by Natural Area durine 2018	U	19 Jan 2019

Association for Christian Education Inc. 2019 Annual Compl ance Report, Ministerial Statement 780

No.	Management commitment	How	Evidence	Status	Date
PoC14	Ensure that exter or building lighting is minimised, particularly on the eastern and northern edges of the new classroom block, to minimise any light disruptions to fauna	Specification during building process, the number of lights in the vicinity of the wetland has been kept to a minimum, as has the illumination level of the lights	Communication with Alita Constructions, ir cluded in design requirements, construction in progress	U	19/01/13
PoC15	Annually maintain existing fire breaks and access points	As per City of Gosnells requirements	Bushfire management plan updated 2017	U	19 Jan 2019
PoC16	Liaise with Gosne'ls Volunteer Fire Brigade to ensure they are familiar with access points to the management area	RCC has developed comprehensive bushfire response procedures, a copy of which has been provided to relevant external organisations, including the fire brigade	Bushfire management plan updated 2017	U	19 Jan 2019
PoC17	Report any suspicious behaviour of people in the conservation area to the relevant authorities	None has occurred at present; policy developed, register set up in main office	Communication with Rehoboth Christian Cellege personnel, details included in RCC Critical incident Policy	U	19 Jan 2019
PoC18	Maintain existing fencing to prevent unregulated access to the conservation area	New fencing installed between school and wetland (approx. Jan 2012), existing fencing around wetland will be maintained; fencing will be checked a minimum of once each term, and on an ad hoc basis during class site visits	Various site visits by Natural Area	O	2019
PoC19	Establish a register for class visits to the wetland area. The register will be included in the annual compliance report detailing the date of the visit, supervising teacher, number of students and location of visit (i.e. firebreaks, listening posts or transect monitoring)	Register set up and available for inspection at Senior College administration area	Continued communication with Rehoboth Christian School personnel	O	19 Jan 2019
Poc20	Undertake a water monitoring program for the site, including groundwater levels and quality and surface water quantity and quality and surface water levels in wetland.  This will require the establishment of a staff gauge in the wetland area to measure surface water levels.	Implementation of surface and groundwater monitoring program, as outlined in the Drainage and Nutrient Management Plan and Wetland and Vegetation Management Plan originally prepared by BlueSands Environmental in 2010 and updated by Natural Area 2018	Groundwater quality monitoring continued in 2018; certificates of analysis provided in Appendix 3. Staff gauge installed 18 September 2013, since damaged and removed. The shallow nature of the wetland means its reinstallation is not warranted.	U	19 Jan 2019
PoC21	Establish three transects in the rehabilitation areas to determine the success of rehabilitation activities (for sampling details, see the Wetland and Vegetation Rehabilitation Plan)	Documented by on-ground works contractor (Natural Area Management and Services)	Natural Area 2015 Annual Report	CLD	19/01/15
PoC22	Monitor populations of Declared Rare Flora <i>Lepidosperma rostratum</i> (for sampling details, see the Wetlanc and Vegetation Rehabilitation Plan)	Documented by on-ground works contractor	Natural Area 2015 Annual Report	CLD	19/01/15

Association for Christian Education Inc. 2019 Annual Compliance Report, Ministerial Statement 780

No.	Management commitment	How	Evidence	Chattie	Date
PoC23	Conduct a flora survey every five years to measure the cover and composition of native taxa, vegetation condition, priority flora, presence of disease and cover and composition of weeds in the conservation area (for sampling details, see the Wetland and Vegetation Rehabilitation Plan)	To be carried out by appropriately experienced personnel, outcomes compared to the baseline and other monitoring data, and documented	Natural Area 2015 Annual Report	CLD	19/01/15
PoC24	Monitor indicator bird species that are susceptible to cat predation	Will be documented by on- ground works contractor in annual report, to be carried out in conjunction with senior school students	Natural Area 2016 Performance Review Report	CLD	19/01/15
PoC25	Monitcr endemic fauna, including Quenda and frogs as per the monitoring schedule outlined in the Wetland and Vegetation Rehabilitation Plan	Will be documented by on- ground works contractor in annual report, to be carried out in conjunction with senior school students	Natural Area 2016 Performance Review Report	075	19/01/15
PoC26	Publicise the results of the fauna monitoring program undertaken by students in the school newsletter and submit the article to the local newspaper	Results included in NAMS 2013 Annual Works Report	Natural Area 2016 Performance Review Report	CLD	19/01/15
PoC27	Monitor the occur-ence of fire within the conservation area	None to date, fire assessment at the school has been prepared	Aerial imagery available from NearMap and,'or Landgate, communication with Rehoboth personnel	U	19 Jan 2019
P0C28	Periodically inspect perimeter fencing every 2 to 3 months to ensure it is in good condition	Regular inspections of perimeter fencing for general condition will occur once per term as a minimum	New fence installed approx. Jan 2012, continues to be in good repair	Ü	19 Jan 2019

### 7.0 Glossary

ANZECC	Australian and New Zealand Environment and Conservation Council
	Assessment on Referral Information; assessment level under Part IV of the Environmental
ARI	Protection Act 1986 (WA) set by the Environmental Protection Authority (EPA) whereby
	the assessment is carried out on the basis of information submitted by the proponent
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
	Conservation category wetland as defined by the wetlands branch of the Department of
CCW	Parks and Wildlife (DPaW) and listed on the Geomorphic Wetlands Swan Coastal Plain
	Dataset
DBCA	Department of Biodiversity, Conservation and Attractions
DEC	Department of Environment and Conservation; then DER and DPaW, now DWER and DBCA
DER	Department of Environment Regulation, now DWER
DPaW	Department of Parks and Wildlife, now DBCA
DWER	Department of Water and Environmental Regulation
EMP	Environmental management plan, prepared as an environmental approval condition
EPA	Environmental Protection Authority (Western Australia)
OEPA	Office of the Environmental Protection Authority
	Threatened ecological community declared or listed under the Wildlife Conservation Act
TEC	1950 (WA) (and/or the Environmental Protection and Biodiversity Conservation Act 1999
	(Cwith))

### 8.0 References

Australian and New Zealand Environment Conservation Council (ANZECC) and Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ), (2000), Australian and New Zealand Guidelines for Fresh and Marine Water Quality, available World Wide Web URL: <a href="http://www.environment.gov.au/system/files/resources/53cda9ea-7ec2-49d4-af29-d1dde09e96ef/files/nwqms-guidelines-4-vol1.pdf">http://www.environment.gov.au/system/files/resources/53cda9ea-7ec2-49d4-af29-d1dde09e96ef/files/nwqms-guidelines-4-vol1.pdf</a>, accessed January 2017.

Environmental Protection Authority, (2007), Bulletin 1249, Report and Recommendations: Extension of Rehoboth Christian School, 92 Kenwick Road, Kenwick, available World Wide Web URL: <a href="http://www.epa.wa.gov.au/sites/default/files/EPA Report/2460 Bull 1249 Rehoboth.pdf">http://www.epa.wa.gov.au/sites/default/files/EPA Report/2460 Bull 1249 Rehoboth.pdf</a>, accessed December 2018.

Fairlamb, R., (2018 and 2019), Accountant, Rehoboth Christian College, Personal Communication.

Office of Environmental Protection Authority, (2009), Statement that a Proposal May be Implemented (Pursuant to the Provisions of the Environmental Protection Act 1986) – Extension of Rehoboth Christian School 92 Kenwick Road, Kenwick, City of Gosnells, available World Wide Web URL: <a href="http://www.epa.wa.gov.au/sites/default/files/1MINSTAT/00780.pdf">http://www.epa.wa.gov.au/sites/default/files/1MINSTAT/00780.pdf</a>, accessed December 2018.

Office of the Environmental Protection Authority, (2014), Post Assessment Guideline for Preparing a Compliance Assessment Report, available World Wide Web URL: <a href="http://www.epa.wa.gov.au/sites/default/files/Publications/PAG3%20-%20Preparing%20a%20CAR.pdf">http://www.epa.wa.gov.au/sites/default/files/Publications/PAG3%20-%20Preparing%20a%20CAR.pdf</a>, accessed December 2018.

Steyn, M., (2018 and 2019), Chief Executive Officer, Association for Christian Education Inc. (Rehoboth Christian College), Personal Communication.

Wildlife Conservation Act 1950 (WA)

### Appendix 1: Statement of Compliance

### 1. Proposal and Proponent Details

Proposal Title	Extension of Rehoboth Christian School 92
6	Kenwick Road, Kenwick, City of Gosnells
Statement	780
Number	
Proponent Name	Association for Christian Education Inc.
Proponent's	N/A
Australian	
Company Number	
(where relevant)	

### 2. Statement of Compliance Details

Annual Control		
Reporting Period	20/01/18 to 19/01/19	

Implementation ph	ase(s)	during reporting po	eriod (p	lease tick ✓ relevan	t phase(s))
Pre-construction	1	Construction	1	Operation	Decommissioning

Audit Table for Statement addressed in this Statement of Compliance is provided at Attachment:

Included in ACR

An audit table for the Statement addressed in this Statement of Compliance must be provided as Attachment 2 to this Statement of Compliance. The audit table must be prepared and maintained in accordance with the Department of Water and Environmental Regulation (DWER) *Post Assessment Guideline for Preparing an Audit Table*, as amended from time to time. The 'Status Column' of the audit table must accurately describe the compliance status of each implementation condition and/or procedure for the reporting period of this Statement of Compliance. The terms that may be used by the proponent in the 'Status Column' of the audit table are limited to the Compliance Status Terms listed and defined in Table 1 of Attachment 1.

Were all implementation conditions and/or pr period? (please tick ✓ the appropriate box)	ocedures of the Statement complied with within th	e reporting
No (please proceed to Section 3)	Yes (please proceed to Section 4)	1

Each page (including Attachment 2) must be initialled by the person who signs Section 4 of this Statement of Compliance. INITIALS.

### 3. Details of Non-compliance(s) and/or Potential Non-compliance(s)

The information required Section 3 must be provided for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance.

Non-compliance/potential non-	compliance 0-1	
Which implementation condition	n or procedure was non-compliant	or potentially non-compliant?
Was the implementation condit	ion or procedure non-compliant or	potentially non-compliant?
On what date(s) did the non-cor	mpliance or potential non-complian	ce occur (if applicable)?
Was this non-compliance or pot	ential non-compliance reported to t	the Chief Executive Officer, DWER?
☐ Yes ☐ Reported to DWE ☐ Reported to DWE	R verbally Date	□No
What are the details of the non- and impacts associated with the	compliance or potential non-compli non-compliance or potential non-compliance	iance and where relevant, the extent of ompliance?
What is the precise location who applicable)? (please provide this	ere the non-compliance or potential information as a map or GIS co-ord	non-compliance occurred (if linates)
What was the cause(s) of the no	n-compliance or potential non-com	pliance?
What remedial and/or corrective non-compliance or potential nor	e action(s), if any, were taken or are n-compliance?	proposed to be taken in response to the
What measures, if any, were in poccurred? What, if any, amendm	place to prevent the non-compliance tents have been made to those mea	e or potential non-compliance before it sures to prevent re-occurrence?
Please provide information/docu	mentation collected and recorded i	n relation to this implementation
<ul> <li>in the reporting period a</li> <li>as outlined in the approv Statement of Compliance</li> </ul>		r the Statement addressed in this
(the above information may be p	rovided as an attachment to this Sta	atement of Compliance)

For additional non-compliance or potential non-compliance, please duplicate this page as required.

Each page (including Attachment 2) must be initialled by the person who signs Section 4 of this Statement of Compliance. INITIALS:

4.0			
4.	Dronone	ent Decla	undiam
7.	FIUDUITE	ini Decia	ration

I, MASK CHRISOPHER STEIN JCEO , (full name and position title)

declare that I am authorised on behalf of the Association for Christian Education.....

(being the person responsible for the proposal) to submit this form and that the information contained in this form is true and not misleading.

Signature:..

Date: 18 January 2019

Please note that:

- it is an offence under section 112 of the Environmental Protection Act 1986 for a person to give or cause to be given information that to his knowledge is false or misleading in a material particular; and
- the Chief Executive Officer of the DWER has powers under section 47(2) of the Environmental Protection Act 1986
  to require reports and information about implementation of the proposal to which the statement relates and
  compliance with the implementation conditions.

### 5. Submission of Statement of Compliance

One hard copy and one electronic copy (preferably PDF on CD or thumb drive) of the Statement of Compliance are required to be submitted to the Chief Executive Officer, DWER, marked to the attention of Manager, Compliance (Ministerial Statements).

Please note, the DWER has adopted a procedure of providing written acknowledgment of receipt of all Statements of Compliance submitted by the proponent, however, the DWER does not approve Statements of Compliance.

### 6. Contact Information

Queries regarding Statements of Compliance, or other issues of compliance relevant to a Statement may be directed to Compliance (Ministerial Statements), DWER:

Manager, Compliance (Ministerial Statements)

Department of Water and Environmental Regulation

Postal Address:

Locked Bag 10

EAST PERTH WA 6892

Phone:

(08) 6364 700

Email:

compliance@dwer.wa.gov.au

### Post Assessment Guidelines and Forms

Post assessment documents can be found at www.epa.wa.gov.au

Each page (including Attachment 2) must be initialled by the person who signs Section 4 of this Statement of Compliance. INITIALS:

### ATTACHMENT 1

Table 1 Compliance Status Terms

Compliance Status Terms	Abbrev	Definition	Notes
Compliant	C	Implementation of the proposal has been carried out in accordance with the requirements of the audit element.	This term applies to audit elements with:  ongoing requirements that have been met during the reporting period; and requirements with a finite period of application that have been met during the reporting period, but whose status has not yet been classified as 'completed'.
Completed	CLD	A requirement with a finite period of application has been satisfactorily completed.	This term may only be used where:  audit elements have a finite period of application (e.g. construction activities, development of a document);  the action has been satisfactorily completed; and  the DWER has provided written acceptance of 'completed' status for the audit element.
Not required at this stage	NR	The requirements of the audit element were not triggered during the reporting period.	This should be consistent with the 'Phase' column of the audit table.
Potentially Non- compliant	PNC	Possible or likely failure to meet the requirements of the audit element.	This term may apply where during the reporting period the proponent has identified a potential non-compliance and has not yet finalized its investigations to determine whether non-compliance has occurred.
Non- compliant	NC	Implementation of the proposal has not been carried out in accordance with the requirements of the audit element.	This term applies where the requirements of the audit element are not "complete" have not been met during the reporting period.
In Process	IP .	Where an audit element requires a management or monitoring plan be submitted to the DWER or another government agency for approval, that submission has been made and no further information or changes have been requested by the DWER or the other government agency and assessment by the DWER or other government agency for approval is still pending.	The term 'In Process' may not be used for any purpose other than that stated in the Definition Column.  The term 'In Process' may not be used to describe the compliance status of an implementation condition and/or procedure that requires implementation throughout the life of the project (e.g. implementation of a management plan).

Each page (including Attachment 2) must be initialled by the person who signs Section 4 of this Statement of Compliance. INITIALS:

Appendix 2: Nuturf Nutrient Analysis Reports



Curator of Grounds – Vic Eikelboom Rehoboth Christian College PO Box 82 CANNINGTON WA 6987

21 September 2018

Vic,

Thank you for allowing Nuturf to perform your soil tests at Rehoboth Christian College. Our reports are in an easy to read format and give you the most accurate results in Australia for turf grass management. Please note that recommendations are based on rate per 100m2 or ha and I have compared these samples with all previous tests. If you have any questions relating to products recommended in this report, please contact me directly.

### **SOIL TEST RESULTS**

### **CALCIUM:**

The current level in the "Gym Lawn" is fine and no correction is required. The pH in this area is high at 7.4, but again it has dropped slightly from the last test and this result is the lowest since we started testing in 2012. I'm not be concerned with this pH as it mainly affects trace element availability and as stated in all previous reports, applications of trace elements should be made via the leaf tissue and left there to dry.

The "Main Oval" has dropped slightly but this is due to well above average rainfall removing calcium from the soil profile as it drains through, but it has also taken sodium with it on both sites as the low sodium ppm (parts per million) figure suggests. Current pH level is also good at 7.4, up from 6.9 in November last year though, but like the Gym Lawn, foliar applications of trace elements are required and leave on the leaf to dry.

Rainfall was above average this winter and has influenced sodium and calcium levels. Sodium has been leached from the soil profile and some calcium with it as you can see by the reduction in ppm on both sites tested. As calcium increases in the soil profile and takes up exchange sites, sodium has nowhere to go and is therefore leached from the soil profile. This is the reason why calcium levels are so important to maintain within a turfgrass soil profile that is irrigated with ground water or even scheme/potable water. A light application of gypsum now will top-up/maintain your calcium levels as your irrigation will start to be applied soon and the calcium/sodium cycle starts again.

### **Calcium cont:**

I would apply 4kg/100m2 or 400kg/ha of GYP WET (22% Ca & 5% Stamina 90) which equates to 88kg of actual calcium and 20lt/ha of Stamina 90 and water in well. If possible repeat this application during the Christmas school holidays and again at the Easter break. It is best to apply after some form of aeration has been done and increase the rate to 500kg/ha at the Easter application.

Re-test both sites prior to Easter and evaluate results and consider a water test to check the influence of this water on calcium/sodium levels. I realise there is little you or the school can do about your source of water, but frequent analysis helps to monitor your situation and diagnose problems before they become too serious. This information will also help you to choose products that have a lower salt index and apply products that may have a better result on the turf given your soil type and conditions. This will therefore limit the amount of unwanted product going into the environment - this is extremely important on your location. The quality of water used for irrigation can dramatically affect turf grass health and performance, as well as characteristics of the soil. If a soil is irrigated with a given water quality over an extended period of time, the soil will assume the characteristics of that irrigation source. If the water quality is poor, soil structure, nutrient availability (therefore fertiliser efficiency) and ultimately turf quality will be affected.

### **MAGNESIUM:**

Whilst both sites are low, they are consistent with each other and with previous tests, therefore fertilisers with a small percentage of magnesium in them are recommended such as PROLIFIC BLUE AN.

If the ovals are sprayed with a foliar mix of fertiliser it would be best to include some magnesium in the mix at say 25kg/ha with some other trace elements. Apply Magnesium Sulphate at 25-50kg/ha and water in well. Consider the use of Keiserite at renovation and water in well.

### **POTASSIUM:**

The current levels in both sites are low and fertiliser applications with sound levels of potassium are recommended and results should increase, but adequate levels need to be maintained. In the next 2-3 weeks apply CLASSIC BALANCE 22-0-18 at a rate of 2.4kg/100m2 or 240kg/ha and water in well. Apply this one week or a few days after the Gyp Wet has been applied. This product contains 45% controlled release nitrogen.

A fertiliser containing good levels of both N and K is recommended during the summer season and I would suggest the use POLY PLUS 2% IRON 24-2-9 at a rate of 2.1kg/100m2 or 210kg/ha during the summer season. This product contains 65% controlled release nitrogen.

A controlled release product designed to be applied after renovation is POLY PLUS HIGH PERFORMANCE 34-1-6 and is best applied at 1.75kg/100m2 or 175kg/ha and water in. This product contains 30% controlled release nitrogen.

### **Potassium cont:**

Non-controlled release options are Paton 20-0-16+ 3% fe as required at 2.5kg/100m2 or 250kg/ha and water in or Prolific Blue at 3kg/100m2 or 300kg/ha and water in. Only apply Prolific Blue during school holidays and as with all fertilisers make sure it is not allowed to sit on paths etc to avoid any staining. Environmentally, the controlled release options are preferred given your location.

### PHOSPHORUS:

The current levels in both sites are low and could be affecting plant growth, however visually both sites were looking as good as I have seen. There has been an increase in phosphorus levels in the Main Oval and this is a good result as the wear and play commitments are greater here than the Gym Lawn. The current root system appeared ok but there's always room for greater depth and vigour. An application of phosphorus is best made at renovation/aeration. The below product contains controlled release nitrogen, better suited to your site.

Apply POLY PLUS TURF STARTER 18-10-9 at 200kg/ha and water in well at aeration/renovation.

Also apply 175kg/ha of POLY PLUS HIGH PERFORMANCE 34-1-6 two weeks after the Turf Starter has been applied and water in well.

### **ORGANIC HUMUS:**

The samples taken indicate adequate levels of organic humus, therefore correction is not required at this time. If you are wanting to apply an organic product I recommend Amendmax Organic Granular applied at 3-5kg/100m2 or 300-500kg/ha. It is best applied after aeration or renovation and water in well.

Applications of FOLIMAX HUMIC at 10lt/ha with every third application of Kelmax would be advisable. This is a liquid humus product and will help to build your current level of humus in the soil and help to unlock unavailable phosphorus in the soil. An optimum organic humus level for your situation is around 3% for best results.

### **COMMENTS:**

The use of a good quality wetting agent will also improve the infiltration of irrigation water and also prevent the turf drying out prematurely throughout the summer season. A granular type wetting agent or gyp-wet applied to the ovals may also be of benefit to the grass, particularly after it has been aerated and/or scarified. Given the dryness the main oval can face during the summer, this should be done these holidays whilst the soil profile is moist. When taking the samples for the soil test, all were moist and as above, applications of a wetting agent/gyp-wet etc are best done now before the soil is allowed to dry out and become hydrophobic.

Use <u>STAMINA GRANULAR at 3.5kg/100m2 or 350kgha</u> and water in well. As a liquid wetting agent during the spring and summer, use STAMINA 90 at 50lt/ha and water in well.

### **Comments cont:**

GYP WET is another option and the one I am suggesting as it contains wetting agent but also has good levels of calcium in it so this product represents good value at one application cost. Apply at 400kg/ha and currently I have stock but normally please give advanced notice if this product is required as it sells well on east coast and supply can be an issue.

In general, the root system appeared to be ok but is under some stress on the Main Oval in the usual dry spot towards the eastern end and although it was very moist this time of year, this area usually dries out first. This has been consistent over previous tests and overall appearance and performance of the Main Oval has improved each year. The weed control has worked well the last few winters with significantly lower levels of clovers, broadleaf weeds and Guildford Grass.

Colouration of the roots is considered a key health indicator of the root system, where lighter colours indicate healthy and actively growing roots, while thin/brown to black roots are very restricted in terms of water and nutrient uptake. Please note that any product applied to stimulate a healthier root system, should not be used to replace a sound fertiliser program, but used in conjunction with one. Compaction/aeration relief such as verti draining and/or coring and slicing, should also be considered as this is a major cause of a depleted root system.

The characteristics and condition of the root system are critical in determining the quantity of moisture and nutrient uptake in the plant, therefore the functionality of the root system is directly related to the performance of the turf.

Use KELMAX at 5lt/ha every 4 weeks, remembering to include some Folimax Humic every third application. This can be applied with many other products therefore eliminating the need for multiple spray applications. The benefits of such a product are many, but Kelmax will reduce the stress turf grass is under during summer through a larger and more vigorous root system.

I saw no evidence of insect damage however black beetle and billbug larvae control should be done these school holidays, tank mixed with a liquid wetting agent and watered in well. There were some signs of fungal disease and these types of diseases are best controlled in the summer when they are active, but they often go unnoticed during the summer months as symptoms appear in the cooler, winter months. I would be happy to discuss control measures if you are concerned and current chemistries for control are no threat to the nearby wetland when applied at label rates and watered in.

### **TRACE ELEMENTS:**

As a trace element mix for the turf areas, I would suggest FOLIMAX TRACE. This is a liquid trace element, therefore eliminating the need to dissolve powder formulations. Apply at 200-300ml/100m2 or 20-30lt/ha either left on the leaf to dry or water in.

Apply Iron Sulphate at 500gm/100m2 or 50kg/ha tank mixed with Manganese Sulphate at 250gm/100m2 or 25kg/ha. I would leave the Manganese out of the mix every third spray. Apply in plenty of water and leave on the leaf to dry. Please note that this mix will green up turf areas very quickly without a surge in growth, but you must be careful as mix will stain.

### **Trace Elements cont:**

The use of trace elements is very important at your site and should not be over-looked. You should monitor trace element levels in the leaf via tissue testing at least once per year.

Use FOLIMAX NFE throughout the cooler months, or whenever a quick green-up is required at 200-300ml/100m2 or 20-30lt/ha. This can be tank mixed with the Folimax Trace.

For all your turf requirements, Nuturf can supply your fertiliser and soil amendments, a comprehensive plant protection range, wetting agents, seed and other analytical services, including root health assessments and leaf analysis.

I hope this meets your requirements and if I can be of any further assistance, please do not hesitate to contact me on 0418 955 388 or email at <a href="mailto:josh.walker@nuturf.com.au">josh.walker@nuturf.com.au</a>. I look forward to your reply.

Yours sincerely,

Josh Walker WA State Manager 0418 955 388 Check our website: www.nuturf.com.au



Soil Analysis Page 1 of 1

## Soil Analysis

Conducted by The Ninemire Group LLC



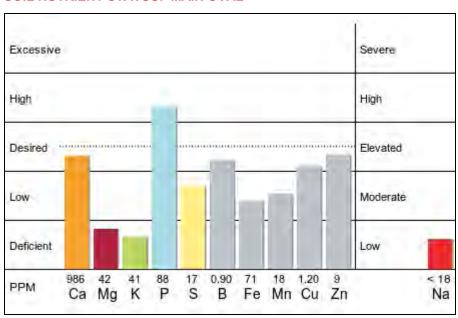
Client: Rehoboth Christian College

Field Representative: Josh Walker

Date of Analysis: September 10, 2018



#### SOIL NUTRIENT STATUS: MAIN OVAL



Organic Matter (humus)

pH (H<sub>2</sub>O 1:5)

Conductivity (mmhos/cm)

Total Exchange Capacity

2.3%

7.3

5.7

#### **BASE SATURATION: KEY ELEMENTS**

	Actuals	Actual Saturation	Ideal Saturation	Ideals	
Ca	87.0%	Mg K Other	Mg	68-72%	Ca
Mg	6.12%		K	13-16%	Mg
K	1.88%		H	3-5%	K
Na	0.61%		Othe	<3%	Na
Н	0.0%		Ca	4.50%	Н
Other	4.4%	Ca		5%	Other

#### **COMMENTS**

These numbers are to correct soil deficiencies only. Nutrient losses such as leaching or plant uptake should be considered when formulating maintenance programs.

Kg per Ha of Calcium deficient 0

Kg per Ha of Magnesium deficient 87 Apply a total of **5.1** Kg per 100 m<sup>2</sup> of a 17% Mg material over an appropriate number of applications.

Kg per Ha of Potassium deficient 72 Apply a total of **1.7** Kg per 100 m<sup>2</sup> of a 0-0-42 material over an appropriate number of applications.

Kg per Ha of Phosphorus deficient 0

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PO Box 6390 Silverwater NSW 1811

10 September 2018

Soil Comparison Page 1 of 1

# **Soil Comparison**

Conducted by The Ninemire Group LLC



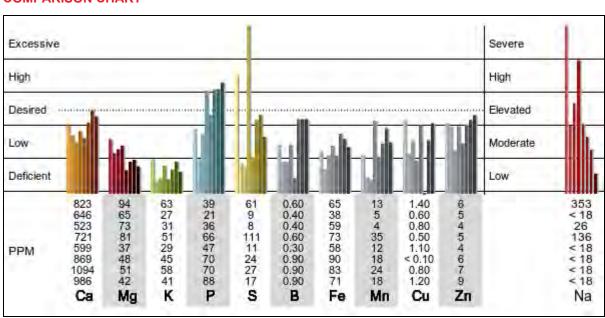
Client: Rehoboth Christian College

Field Representative: Josh Walker

January 22, 2014 Date of Analysis:



#### **COMPARISON CHART**



#### **KEY ELEMENTS**

	IDEAL	MAIN OVAL							
		2014-01-22	2014-09-22	2015-09-22	2016-03-08	2016-11-20	2017-06-28	2017-11-29	2018-09-10
Organic Matter (humus)		1.30	1.60	1.90	1.80	1.70	2.10	3.40	2.30
рН		7.00	7.00	7.50	6.20	6.90	6.60	6.90	7.30
Total Exchange Capacity		6.90	4.10	3.60	6.00	3.70	5.50	6.50	5.70

K       3-5%       2.32%       1.70%       2.22%       2.18%       1.99%       2.12%       2.30%       1         Na       <3%	.00%
Na <3% 22.28% 1.62% 3.20% 9.84% 1.73% 1.35% 1.16% 0	12%
	.88%
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	61%
<b>H</b> 4.50% 0.00% 0.45% 0.00% 11.70% 2.10% 5.55% 1.20% 0	.00%
Other         5%         4.40%         4.43%         4.40%         5.18%         4.54%         4.77%         4.48%         4	40%

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22 January 2014

Soil Comparison Page 1 of 1

# **Soil Comparison**

Conducted by The Ninemire Group LLC



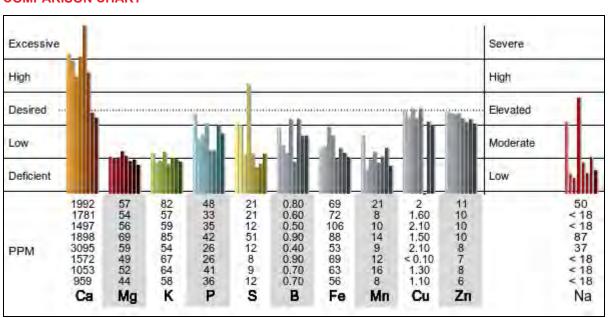
Client: Rehoboth Christian College

Field Representative: Josh Walker

January 22, 2014 Date of Analysis:



#### **COMPARISON CHART**



#### **KEY ELEMENTS**

	IDEAL	GYM LAWN OVAL 2014-01-22	GYM LAWN OVAL 2014-09-22	GYM LAWN OVAL 2015-09-22	GYM LAWN OVAL 2016-03-08	GYM LAWN OVAL 2016-11-20	GYM LAWN OVAL 2017-06-28	GYM LAWN OVAL 2017-11-29	GYM LAWN OVAL 2018-09-10
Organic Matter (humus)		1.50	2.00	1.50	1.90	1.30	1.20	2.50	1.50
pН		8.20	8.20	8.20	7.90	8.70	8.00	7.50	7.40
Total Exchange Capacity		11.40	10.00	8.50	11.20	17.00	8.90	6.20	5.60

Ca	68- 72%	87.63%	89.02%	87.84%	85.08%	90.95%	88.49%	84.91%	85.64%
Mg	13- 16%	4.20%	4.50%	5.51%	5.18%	2.90%	4.56%	7.00%	6.58%
K	3-5%	1.86%	1.47%	1.77%	1.96%	0.81%	1.94%	2.64%	2.67%
Na	<3%	1.91%	0.61%	0.48%	3.37%	0.94%	0.62%	1.05%	0.71%
Н	4.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	5%	4.40%	4.40%	4.40%	4.40%	4.40%	4.40%	4.40%	4.40%

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22 January 2014

Soil Comparison Page 1 of 1

# **Soil Comparison**

Conducted by The Ninemire Group LLC



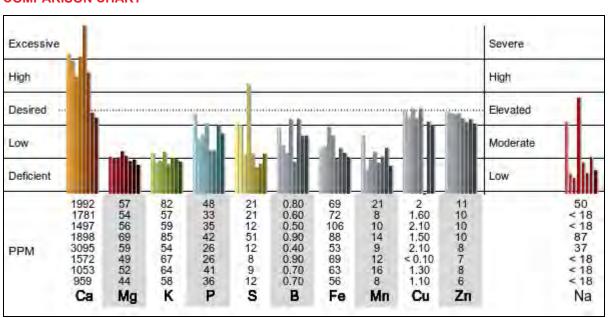
Client: Rehoboth Christian College

Field Representative: Josh Walker

January 22, 2014 Date of Analysis:



#### **COMPARISON CHART**



#### **KEY ELEMENTS**

	IDEAL	GYM LAWN OVAL 2014-01-22	GYM LAWN OVAL 2014-09-22	GYM LAWN OVAL 2015-09-22	GYM LAWN OVAL 2016-03-08	GYM LAWN OVAL 2016-11-20	GYM LAWN OVAL 2017-06-28	GYM LAWN OVAL 2017-11-29	GYM LAWN OVAL 2018-09-10
Organic Matter (humus)		1.50	2.00	1.50	1.90	1.30	1.20	2.50	1.50
pН		8.20	8.20	8.20	7.90	8.70	8.00	7.50	7.40
Total Exchange Capacity		11.40	10.00	8.50	11.20	17.00	8.90	6.20	5.60

Ca	68- 72%	87.63%	89.02%	87.84%	85.08%	90.95%	88.49%	84.91%	85.64%
Mg	13- 16%	4.20%	4.50%	5.51%	5.18%	2.90%	4.56%	7.00%	6.58%
K	3-5%	1.86%	1.47%	1.77%	1.96%	0.81%	1.94%	2.64%	2.67%
Na	<3%	1.91%	0.61%	0.48%	3.37%	0.94%	0.62%	1.05%	0.71%
Н	4.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	5%	4.40%	4.40%	4.40%	4.40%	4.40%	4.40%	4.40%	4.40%

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22 January 2014

Appendix 3: ALS Environmental Groundwater Certificate of Analysis



Work Order : **EP1804155** 

Client : NATURAL AREA CONSULTING

Contact : SUE BRAND

Address : 99C LORD STREET

WHITEMAN WESTERN AUSTRALIA 6068

Telephone : 08 9209 2767

Project : Rehoboth Christian College

Order number

C-O-C number : ----

Sampler : Sharon Hynes

Site : Rehoboth Christian College

Quote number : EP/660/17

No. of samples received : 3
No. of samples analysed : 3

Page : 1 of 3

Laboratory : Environmental Division Perth

Contact : Customer Services EP

Address : 26 Rigali Way Wangara WA Australia 6065

Telephone : +61-8-9406 1301

Date Samples Received : 28-Mar-2018 14:15

Date Analysis Commenced : 28-Mar-2018

Issue Date : 06-Apr-2018 23:36



This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

#### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories Position Accreditation Category

Canhuang KeInorganics SupervisorPerth Inorganics, Wangara, WAJeremy TruongLaboratory ManagerPerth Inorganics, Wangara, WATyrone ColeInorganics Preparation SupervisorPerth Inorganics, Wangara, WA

Client : NATURAL AREA CONSULTING

Project Rehoboth Christian College

# ALS

#### **General Comments**

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key: CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

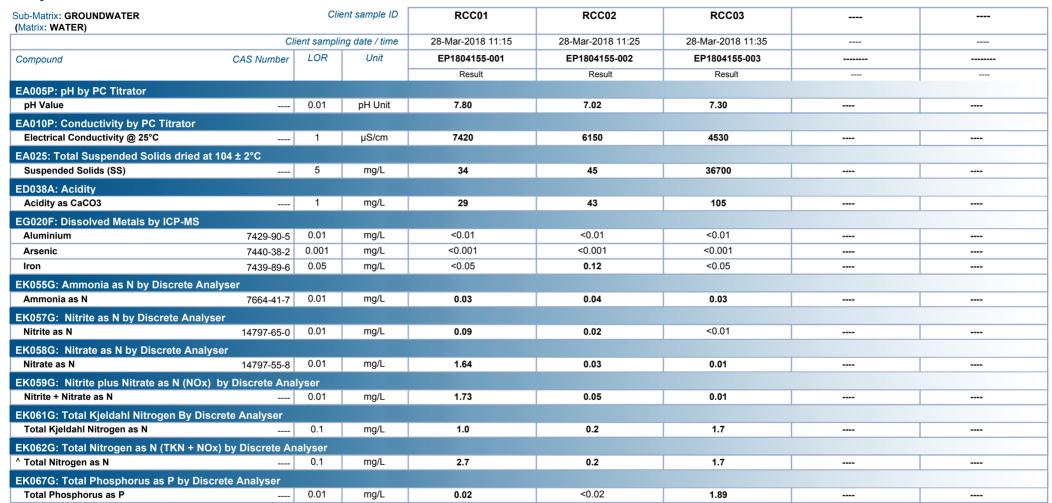
ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

EK061G/EK067G (TKN/TP): LOR for sample 'RCC02' raised due to possible sample matrix interference.

Client : NATURAL AREA CONSULTING

Project : Rehoboth Christian College







Work Order : EP1809146

Client : NATURAL AREA CONSULTING

Contact : SUE BRAND

Address : 99C LORD STREET

WHITEMAN WESTERN AUSTRALIA 6068

Telephone : 08 9209 2767

Project : Rehoboth Christian College

Order number

C-O-C number : ----

Sampler : SUE BRAND

Site : Lot 105 Rehoboth Christian College

Quote number : EP/740/18

No. of samples received : 2
No. of samples analysed : 2

Page : 1 of 3

Laboratory : Environmental Division Perth

Contact : Customer Services EP

Address : 26 Rigali Way Wangara WA Australia 6065

Telephone : +61-8-9406 1301

Date Samples Received : 07-Aug-2018 12:25

Date Analysis Commenced : 07-Aug-2018

Issue Date : 13-Aug-2018 13:56



This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

#### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories Position Accreditation Category

Canhuang Ke Inorganics Supervisor Perth Inorganics, Wangara, WA
Chris Lemaitre Laboratory Manager (Perth) Perth Inorganics, Wangara, WA
Tyrone Cole Inorganics Preparation Supervisor Perth Inorganics, Wangara, WA

Client : NATURAL AREA CONSULTING

Project : Rehoboth Christian College

#### **General Comments**

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key: CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

- ^ = This result is computed from individual analyte detections at or above the level of reporting
- ø = ALS is not NATA accredited for these tests.
- ~ = Indicates an estimated value.
- EK061G/EK067G (TKN/TP): LOR for sample EP1809146-002 raised due to possible sample matrix interference.



Client : NATURAL AREA CONSULTING

Project : Rehoboth Christian College



Sub-Matrix: WATER (Matrix: WATER)		Clie	ent sample ID	MB1	MB3				
(Wallot Will Lity)	Client sampling date / time			07-Aug-2018 09:00	07-Aug-2018 09:50				
Compound	CAS Number	LOR	Unit	EP1809146-001	EP1809146-002				
•				Result	Result				
EA005P: pH by PC Titrator									
pH Value		0.01	pH Unit	7.54	6.79				
EA010P: Conductivity by PC Titrator									
Electrical Conductivity @ 25°C		1	μS/cm	842	8380				
EA025: Total Suspended Solids dried	d at 104 ± 2°C								
Suspended Solids (SS)		5	mg/L	10	4380				
ED038A: Acidity									
Acidity as CaCO3		1	mg/L	13	50				
EG020F: Dissolved Metals by ICP-MS	;								
Aluminium	7429-90-5	0.01	mg/L	<0.01	<0.01				
Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001				
Iron	7439-89-6	0.05	mg/L	0.12	<0.05				
EK055G: Ammonia as N by Discrete	Analyser								
Ammonia as N	7664-41-7	0.01	mg/L	0.02	0.10				
EK057G: Nitrite as N by Discrete Ana	alyser								
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01				
EK058G: Nitrate as N by Discrete An	alyser								
Nitrate as N	14797-55-8	0.01	mg/L	0.12	0.02				
EK059G: Nitrite plus Nitrate as N (NC	Dx) by Discrete Ana	llyser							
Nitrite + Nitrate as N		0.01	mg/L	0.12	0.02				
EK061G: Total Kjeldahl Nitrogen By I	Discrete Analyser								
Total Kjeldahl Nitrogen as N		0.1	mg/L	0.8	<0.5				
EK062G: Total Nitrogen as N (TKN +	NOx) by Discrete Ar	nalyser							
^ Total Nitrogen as N		0.1	mg/L	0.9	<0.5				
EK067G: Total Phosphorus as P by D	Discrete Analys <u>er</u>								
Total Phosphorus as P		0.01	mg/L	<0.01	0.14				



Work Order : EP1810041

Client : NATURAL AREA CONSULTING

Contact : SUE BRAND

Address : 99C LORD STREET

WHITEMAN WESTERN AUSTRALIA 6068

Telephone : 08 9209 2767

Project : Rehoboth Conservation Area

Order number

C-O-C number : ----

Sampler : Sharon Hynes and Harley Taylor
Site : Rehoboth Conservation Area

Quote number : EP/660/17

No. of samples received : 1

No. of samples analysed : 1

Page : 1 of 3

Laboratory : Environmental Division Perth

Contact : Customer Services EP

Address : 26 Rigali Way Wangara WA Australia 6065

Telephone : +61-8-9406 1301

Date Samples Received : 30-Aug-2018 15:20
Date Analysis Commenced : 30-Aug-2018

Issue Date : 05-Sep-2018 21:20



This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

#### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories Position Accreditation Category

Canhuang Ke Inorganics Supervisor Perth Inorganics, Wangara, WA
Chris Lemaitre Laboratory Manager (Perth) Perth Inorganics, Wangara, WA
Tyrone Cole Inorganics Preparation Supervisor Perth Inorganics, Wangara, WA

Client : NATURAL AREA CONSULTING

Project : Rehoboth Conservation Area



#### **General Comments**

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

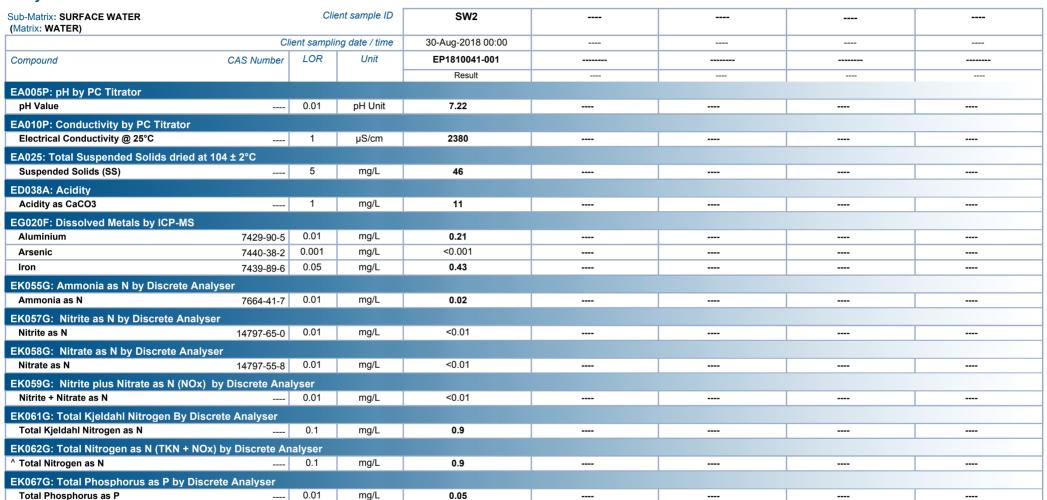
Key: CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

- ^ = This result is computed from individual analyte detections at or above the level of reporting
- ø = ALS is not NATA accredited for these tests.
- ~ = Indicates an estimated value.

Client : NATURAL AREA CONSULTING

Project : Rehoboth Conservation Area







Work Order : EP1814068

: NATURAL AREA CONSULTING

Contact : SUE BRAND

Address : 99C LORD STREET

WHITEMAN WESTERN AUSTRALIA 6068

Telephone : 08 9209 2767

Project : Rehoboth Christian College

Order number

Client

C-O-C number : ----

Sampler : Sharon Hynes

Site : Rehoboth Christian College Conservation Area, Kenwick

Quote number : EP/740/18

No. of samples received : 2
No. of samples analysed : 2

Page : 1 of 3

Laboratory : Environmental Division Perth

Contact : Customer Services EP

Address : 26 Rigali Way Wangara WA Australia 6065

Telephone : +61-8-9406 1301

Date Samples Received : 30-Nov-2018 12:20

Date Analysis Commenced : 30-Nov-2018

Issue Date • 07-Dec-2018 17:20



This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

#### Signatories

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Signatories Position Accreditation Category

Canhuang KeInorganics SupervisorPerth Inorganics, Wangara, WAChris LemaitreLaboratory Manager (Perth)Perth Inorganics, Wangara, WAEfua WilsonMetals ChemistPerth Inorganics, Wangara, WA

Client : NATURAL AREA CONSULTING

Project : Rehoboth Christian College

#### **General Comments**

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

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Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

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Client : NATURAL AREA CONSULTING

Project : Rehoboth Christian College

