

02 May 2016

Central Plains Water Trust
Attn To: Susan Goodfellow
PO Box 9424
Tower Junction
Christchurch 8149



Customer Services
P. 03 353 9007 or 0800 324 636

PO Box 345
Christchurch 8140

P. 03 365 3828
F. 03 365 3194
E. ecinfo@ecan.govt.nz

www.ecan.govt.nz

Dear Sir/Madam

CORRECTION TO RESOURCE CONSENT DECISION(S)

RECORD NO: CRC165686, NAME: Central Plains Water Trust

Errors were found in the above consent(s).

- The formatting for condition references was inconsistent throughout the consent document. There was a change of styles, for example formatting such as **1.a.i.** was used interchangeable with **1(a)(i)**. The applicant has stated a preference for the latter formatting: **1(a)(i)**. The document has been updated to reflect this.
- It was also noted that Schedule CRC165686, as referred to in the consent conditions, was not attached to the decision documents at the time of issue. The Schedule is included with the enclosed decision documents.

Please destroy the document(s) currently in your possession and replace it with the enclosed.

For all queries please contact our Customer Services Section by telephoning (03) 353 9007, 0800ECINFO (0800 324 636), or email ecinfo@ecan.govt.nz quoting your CRC number above.

Yours sincerely

A handwritten signature in blue ink, appearing to read "Cecilia Tolan".

Cecilia Tolan
Consents Assistant

Our Ref: CRC165680
Your Customer No: EC127598
Contact: Customer Services

2 May 2016



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Dear Sir/Madam

NOTICE OF RESOURCE CONSENT DECISION(S)
RECORD NO: CRC165686
NAME: Central Plains Water Trust.

The decision of Environment Canterbury is to grant your application(s) on the terms and conditions specified in the attached resource consent document(s). Your resource consent(s) commences from the date of this letter advising you of the decision. The reasons for the decision are:

1. The proposed activity does not conflict with the purpose of the RM Act given the conditions.

For some activities a report is prepared, with officer recommendations, to provide information to the decision makers. If you require a copy of the report please contact our Customer Services section.

If you do not agree with the consent authority decision, you may object to the whole or any part. Notice of any objection must be in writing and lodged with Environment Canterbury within 15 working days of receipt of this decision.

Alternatively you may appeal to the Environment Court, PO Box 2069, Christchurch. The notice of appeal must be lodged with the Court within 15 working days of receipt of this decision, with a copy forwarded to Environment Canterbury within the same timeframe. If you appeal this decision, the commencement date will then be the date on which the decision on the appeal is determined. If you are in any doubt about the correct procedures, you should seek legal advice.

You can find online information about your consent document at www.ecan.govt.nz/yourconsent.pdf and also information regarding the monitoring of your consent at www.ecan.govt.nz/monitoringconsent.pdf. These booklets contain important information about your consent and answers some commonly asked questions about what will happen next in the life of your resource consent. There is an Annual Compliance Monitoring Charge associated with every consent. For details of this, please refer to page 10 of the "Monitoring Your Consent" booklet.

Charges, set in accordance with section 36 of the Resource Management Act 1991, shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring and supervision of resource consents and for the carrying out of its functions under section 35 of the Act.

Our Ref: CRC165686
Your Customer No: EC107911
Contact: Customer Services

Thank you for helping us make Canterbury a great place to live.

For all queries please contact our Customer Services Section by telephoning (03) 353 9007, 0800 ECINFO (0800 324 636), or email ecinfo@ecan.govt.nz quoting your CRC number above.

Yours sincerely

A handwritten signature in black ink, appearing to be 'J. S.', written in a cursive style.

CONSENTS PLANNING SECTION

RESOURCE CONSENT CRC165686

Pursuant to Section 104 of the Resource Management Act 1991

The Canterbury Regional Council (known as Environment Canterbury)

GRANTS TO: Central Plains Water Trust
A DISCHARGE PERMIT: to discharge of nitrogen to land
COMMENCEMENT DATE: 06 Apr 2016
EXPIRY DATE: 25 Jul 2047
LOCATION: Rakaia River, Selwyn

SUBJECT TO THE FOLLOWING CONDITIONS:

Scope

- 1 This consent authorises:
 - a. The discharge of nutrients onto or into land where contaminants may enter water arising from the farming activities undertaken on:
 - i. properties using irrigation water under resource consent CRC165680, or any subsequent replacements or variations thereof; and
 - ii. any other properties within the area identified on Plan CRC165686A which forms part of this consent, that are included in and covered by a Farm Environment Plan (FEP) that has been prepared for one of the properties specified in Condition 1(a)(i);
 - b. The use of land for farming on those properties specified in Condition 1(a)(ii).

Schedule of Properties

- 2 Schedule CRC165686 attached to and forming part of this consent, shall specify the Nutrient Discharge Allowance (NDA), for each property specified in Condition 1 and shall be managed as follows:
 - a. The NDA for each property shall be:
 - i. the nitrogen baseline calculation for that property; or
 - ii. Determined by the consent holder in accordance with Conditions 3 and 4;
 - b. All properties shall be listed as being in one of Groups A, B and C as follows:
 - i. Group A shall include all properties specified in conditions 1(a)(i) that are not subject to an existing NDA, specified as an annual load of nitrogen that may be lost from the land, on any other resource consent;
 - ii. Group B shall include all properties specified in condition 1(a)(i) that are subject to an existing NDA, specified as an annual load of nitrogen that may be lost from the land, on any other resource consent;
 - iii. Group C shall include all properties specified in condition 1(a)(ii);

- c. Properties may be added or removed from Schedule CRC165686 provided that prior to the addition or removal, the consent holder shall provide the updated Schedule to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager, including:
 - i. the revision number of the Schedule;
 - ii. a plan showing the property; and
 - iii. an electronic copy of the plan in (ii) above in a commonly used Geographic Information System (GIS) format;
- d. For properties listed in Group B that are subject to an existing NDA that covers more than one property, 'farming enterprise NDA', the nutrient loss split:
 - i. between two or more properties listed in Group B; or
 - ii. between any property listed in Group B and any property not listed in Group B

shall be agreed between the holder of consent CRC165686 or any subsequent replacements or variations thereof, and the holder of the consent for the farming enterprise NDA, and shall be specified in Schedule CRC165686;

- e. For the purposes of this condition the nitrogen baseline calculation:
 - i. is defined as the annual average nitrogen loss to water, as modelled with OVERSEER®, or equivalent model approved by the Chief Executive of Environment Canterbury, averaged over four consecutive years between 2009 and 2013, and expressed in kg;
 - ii. in the case where a building consent and effluent discharge consent have been granted for a new or upgraded dairy milking shed in the period 2009-2013, will be on the basis that the dairy farming activity is operational (for the calculation under condition 2(e)(i));
 - iii. the current version of OVERSEER® shall be used and the inputs shall be updated where relevant to reflect the current Overseer Best Practice Data Input Standards, but they must still describe the same baseline scenario;

Advice note: Group A will likely contain the majority of properties irrigated by the scheme, they will be included in this group regardless of whether they are land that was previously irrigated or not. Group B will contain those properties which are also covered by a separate farming land use consent e.g within a Farm Enterprise Group. Group C will contain those properties which scheme shareholders wish to include in their Farm Environment Plans so that the nutrient management of that land comes under this consent. No property may be removed from Schedule CRC165686 unless the property no longer uses water for irrigation under consent CRC165680 or any subsequent replacements or variations thereof, or is no longer covered by the FEP of such a property.

Method for Calculating the Nutrient Discharge Allowance for the New Irrigation Land

- 3 In order to determine the Nutrient Discharge Allowance (NDA) that should apply to previously unirrigated land that is now irrigated using water under CRC165680, or any subsequent replacements or variations thereof, the consent holder shall provide to Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager by 1 September 2016:

- a. a set of Overseer® files, using the current version, that are based on the Matrix of Good Management reference files modified in order to reflect:
 - i. The intensity and level of farming practice consistent with the modelling that was used to determine the 979 T load limit assigned to CPW in Table 11(j) of Plan Change 1 to the Land and Water Regional Plan, decisions version notified 9 May 2015;
- b. the number of hectares to be assigned to each of the Overseer® files provided in condition 3(a) in order to reflect the:
 - i. farm systems split of 10,800 hectares of dairy farms, 10,800 hectares of arable farms and 5,400 hectares of sheep/beef/dairy support farms; and
 - ii. soil types present in the area of land identified on Plan CRC165686B which forms part of this consent;
 - iii. climatic conditions present in the area of land identified on Plan CRC165686B.

Within 40 working days the RMA Monitoring and Compliance Manager of the Canterbury Regional Council, shall confirm whether or not the information provided meets the specified requirements. Where it is determined that the information provided does not meet the specified requirements, then the consent holder shall re-submit revised information. Compliance with this condition will not be met until the Canterbury Regional Council determines the supplied information is sufficient.

Advice note: The purpose of this condition is to determine a method for recalculating the 979 T, outlined in Table 11(j) of Plan Change 1 to the Land and Water Regional Plan, to enable the NDA to be updated in accordance with new versions of OVERSEER®, NOT to define the (future and ongoing) land use under this consent.

- 4 For all land that was previously unirrigated that is now irrigated using water under CRC165680, or any replacement or subsequent variation thereof, the consent holder shall assign a Nutrient Discharge Allowance (NDA) to be specified for that land in Schedule CRC165686, such that:
 - a. the sum of all such NDA's (kg) does not exceed the total nitrogen loss (kg) as determined in accordance with Condition 3; and
 - b. The average of all such NDA's (kg/ha) does not exceed, by more than 10%, the average nitrogen loss (kg/ha) as determined in accordance with Condition 3, i.e the recalculated 979 T divided by 27,000 hectares;
 - c. if the average loss limit in conditions 4(b) is exceeded as a result of the NDA allocation to the properties in Stage 1 (as set out in the Nitrogen Allocation Strategy submitted as part of this consent application), then the consent holder shall provide to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager a plan detailing how the average nitrogen loss of the NDA's shall be brought back under the 10% threshold. The provision and implementation of this plan will satisfy compliance with condition 4(b) until such time as the average nitrogen loss of the NDA is brought back under the 10% threshold, after which, condition 4(c) shall cease to have effect; and
 - d. where only part of a property meets the criteria of previously unirrigated and is now irrigated using water under CRC165680, or any subsequent replacements or variations thereof, then the NDA for the rest of the property is to be specified as the nitrogen baseline calculation for that land, determined in accordance with condition 2(e).

Advice Note: The consent holder can re-assign the NDA amongst properties listed in Schedule CRC165686 at any time however, conditions 3-6 still remain active after the 2017, 2022 and 2037 conditions take effect i.e the restrictions are additive.

Nutrient Discharge Allowances

- 5 The sum of the annual amount of nitrogen that is lost to water from properties listed in Schedule CRC165686 Groups A and B shall not exceed the sum of the Nutrient Discharge Allowance (NDA) listed in Schedule CRC165686 for those properties.
- 6 The annual amount of nitrogen that is lost to water from any property listed in Schedule CRC165686 Groups B and C shall not exceed the Nutrient Discharge Allowance (NDA) specified for that property in Schedule CRC165686.

Reductions to Nutrient Discharge Allowances

- 7 From 1 January 2017:
 - a. schedule CRC165686 shall contain for each property the 2017 NDA, which means the average annual nitrogen loss to water calculated using the current version of OVERSEER® if the farming activity that occurred during the baseline period (4 consecutive years between 2009 and 2013) had been operated in accordance with the practices contained in the document 'Industry-agreed Good Management Practices relating to water quality' dated 18 September 2015. Where properties in Schedule CRC165686 have had the NDA determined in accordance with the conditions 3 and 4, then the 2017 NDA is the same as the NDA specified;
 - b. the sum of the annual amount of nitrogen that is lost to water from properties listed in Schedule CRC165686 Groups A and B shall not exceed the sum of the 2017 NDA listed in Schedule CRC165686 for those properties.
 - c. the annual amount of nitrogen that is lost to water from any property listed in Schedule CRC165686 Groups B and C shall not exceed the 2017 NDA specified for that property in Schedule CRC165686.
- 8 From 1 January 2022:
 - a. schedule CRC165686 shall contain for each property the 2022 NDA, which means a percentage reduction below the 2017 NDA, calculated in accordance with Condition 7, with the specific percentage reduction dependent on the type of farming activity that occurred on each property during the baseline period (4 consecutive years between 2009 and 2013) as follows:
 - i. 30% for dairy; or
 - ii. 22% for dairy support; or
 - iii. 20% for pigs; or
 - iv. 5% for irrigated sheep, beef or deer; or
 - v. 2% for dryland sheep and beef; or
 - vi. 7% for arable; or
 - vii. 5% for fruit, viticulture or vegetables; or
 - viii. 0% for any other land use;
 - b. where properties in Schedule CRC165686 have had the NDA determined in accordance with the conditions 3 and 4, then the percentage reductions required in condition 8(a) apply to the type of farming activity occurring when irrigation water was first used under CRC165680, or any subsequent replacements or variations thereof;

- c. the sum of the annual amount of nitrogen that is lost to water from properties listed in Schedule CRC165686 Groups A and B shall not exceed the sum of the 2022 NDA listed in Schedule CRC165686 for those properties;
- d. the annual amount of nitrogen that is lost to water from any property listed in Schedule CRC165686 Groups B and C shall not exceed the 2022 NDA specified for that property in Schedule CRC165686.

- 9 From 1 January 2037 the annual amount of nitrogen that is lost to water from any property listed in Schedule CRC165686 shall not exceed 80 kg/ha.
- 10 For the purposes of conditions 5-9, the annual amount of nitrogen loss to water shall be calculated on a four year rolling average basis and in accordance with Appendix CRC165686.

Advice Note: In practice, the consent holder only needs to provide the annual nitrogen loss to water for the previous 12 months. If this results in an exceedance of the specified NDA(s), then the consent holder can provide the average loss over the last 4 years in order to demonstrate compliance.

- 11 Any OVERSEER® modelling (including all inputs and outputs) or calculations related to determining the nitrogen baseline calculation or any Nutrient Discharge Allowance as part of this consent shall be provided to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager on request.

Farm Environment Plan Requirements

- 12 A Farm Environment Plan (FEP) shall be prepared in accordance with Appendix CRC165686, for each property specified in Condition 1, prior to the addition of that property to Schedule CRC165686. The FEP shall be updated as necessary and on-farm practice shall be in accordance with the FEP. A copy of the FEP shall be provided to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager on request.
- 13 The Farm Environment Plan(s) (FEP):
- a. Shall be audited by an FEP Auditor to determine the compliance of the FEP with the provisions of Appendix CRC165686 and on farm practice with the provisions of the FEP;
 - b. Audits shall be undertaken in accordance with Part C of Appendix CRC165686. A copy of the audit shall be provided to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager on request; and
 - c. Audits shall occur initially within 12 months of the FEP first being prepared and the property being added to Schedule CRC165686. The second audit shall occur within 12 months of the first audit and the occurrence of subsequent audits will be determined by the grading system specified in Part C of Appendix CRC165686.
- 14 The consent holder shall ensure that individual properties are managed such that they are not assigned, in accordance with Part C of Appendix CRC165686, three, or more, C or D grades, within a five year period.
- 15 No water shall be supplied by the consent holder to any property that has been assigned, in accordance with Part C of Appendix CRC165686, two consecutive C or D grades until that property is re-audited and has been assigned, in accordance with Part C of Appendix CRC165686, an A or B grade. However, until 1 July 2019, if any property would have been graded A or B, and the reason for the C or D grade is a result of not meeting effluent management objectives, then the above supply restriction does not apply.

Advice Note: The above supply restrictions will only take effect for C or D grades awarded for poor effluent management post 2019.

- 16 Where stock are wintered on properties outside of those specified in condition 1 but still within the Waihora/Ellesmere Zone area or the Christchurch – West Melton Zone area (as defined in Figure 1 of the Canterbury Water Management Strategy Strategic Framework November 2009), then the consent holder shall obtain, from people using irrigation water under CRC165680, or any subsequent replacements or variations thereof, an undertaking that the stock will only be wintered on a property that has a Farm Environment Plan.

Environmental Management Strategy

- 17 Prior to 1 September 2016 the consent holder shall prepare and submit an Environment Management Strategy to Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager. The EMS shall contain at a minimum:
- a. a description of how all nitrogen loss from the properties specified in condition 1 will be accounted for;
 - b. a description of how the consent holder will manage the FEP audit process in accordance with condition 13 and Appendix CRC165686;
 - c. A description of the methods the consent holder will use to ensure that properties are managed to achieve and maintain a Farm Environment Plan audit grade, as assigned in accordance with Part C of Appendix CRC165686, of B grade at the minimum;
 - d. A description of the methods the consent holder will use to assist farmers to achieve the percentage reductions required by condition 8.

Within 40 working days the RMA Monitoring and Compliance Manager of the Canterbury Regional Council shall confirm whether or not the EMS meets the specified requirements. The EMS shall be updated as necessary but shall always contain the minimum requirements as listed above.

Annual Reporting Requirements

- 18 The consent holder shall:
- a. Prepare an annual report which includes:
 - i. Actual land areas using water under CRC165680 or any subsequent replacement or variation thereof;
 - ii. A list of users of water under CRC165680, or any subsequent replacements or variations thereof;
 - iii. Volume of water supplied to each property specified in Condition 1(a)(i);
 - iv. Land uses for each property specified in condition 1(a)(i);
 - v. A summary of the FEP audit grades assigned in accordance with condition 13 and Appendix CRC165686 within the last 12 months;
 - vi. A summary of the reasons for properties receiving a C or D grade;
 - vii. A summary of the actions taken to address C or D grades;
 - viii. A list of properties that have been assigned 3 or more C or D grades within the last five years;
 - ix. The progress achieved for previously identified issues, if applicable;
 - x. The sum of the annual amount of nitrogen that is lost to water from properties listed in Schedule CRC165686 Groups A and B; and
 - xi. The annual amount of nitrogen loss to water for each property listed in Schedule CRC165686 Groups B and C, as calculated in Accordance with Appendix CRC165686;

- b. Provide a copy of the report to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager by the 31 August each year.

Administrative Conditions

- 19 This consent is also subject to the conditions listed in Schedule 2 as attached to resource consent CRC165680, or any subsequent replacement or variation thereof.
- 20 The Canterbury Regional Council may, once per year, on any of the last five working days of May or November, serve notice of its intention to review the conditions of this consent for the purposes of:
 - a. Dealing with any adverse effect on the environment which may arise from the exercise of the consent; or
 - b. Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
- 21 If this consent is not exercised before 30 June 2018 it shall lapse in accordance with section 125 of the Resource Management Act 1991.

Issued at Christchurch on 2 May 2016

Canterbury Regional Council

Consent No: CRC165686

Exercising of resource consent

It is important that you notify Environment Canterbury when you first start using your consent.

GRANTED TO: Central Plains Water Trust.
A DISCHARGE PERMIT: to discharge of nitrogen to land
LOCATION: Rakaia River, Selwyn

Even if the consent is replacing a previous consent for the same activity, you need to complete and return this page.

Providing this information will:

- Validate your consent through to its expiry date
- Minimise compliance monitoring charges
- Help provide an accurate picture of the state of the environment.

If consent CRC165686 is not used before 30 Jun 2018 this consent will lapse and no longer be valid.

Declaration:

I have started using this resource consent.

Action taken: (e.g. pasture irrigated, discharge from septic tank/boiler/spray booth etc).

Approximate start date (*Note: this may be different to the date the consent was granted*): _____

Signed: _____ **Date:** _____

Full name of person signing (please print): _____

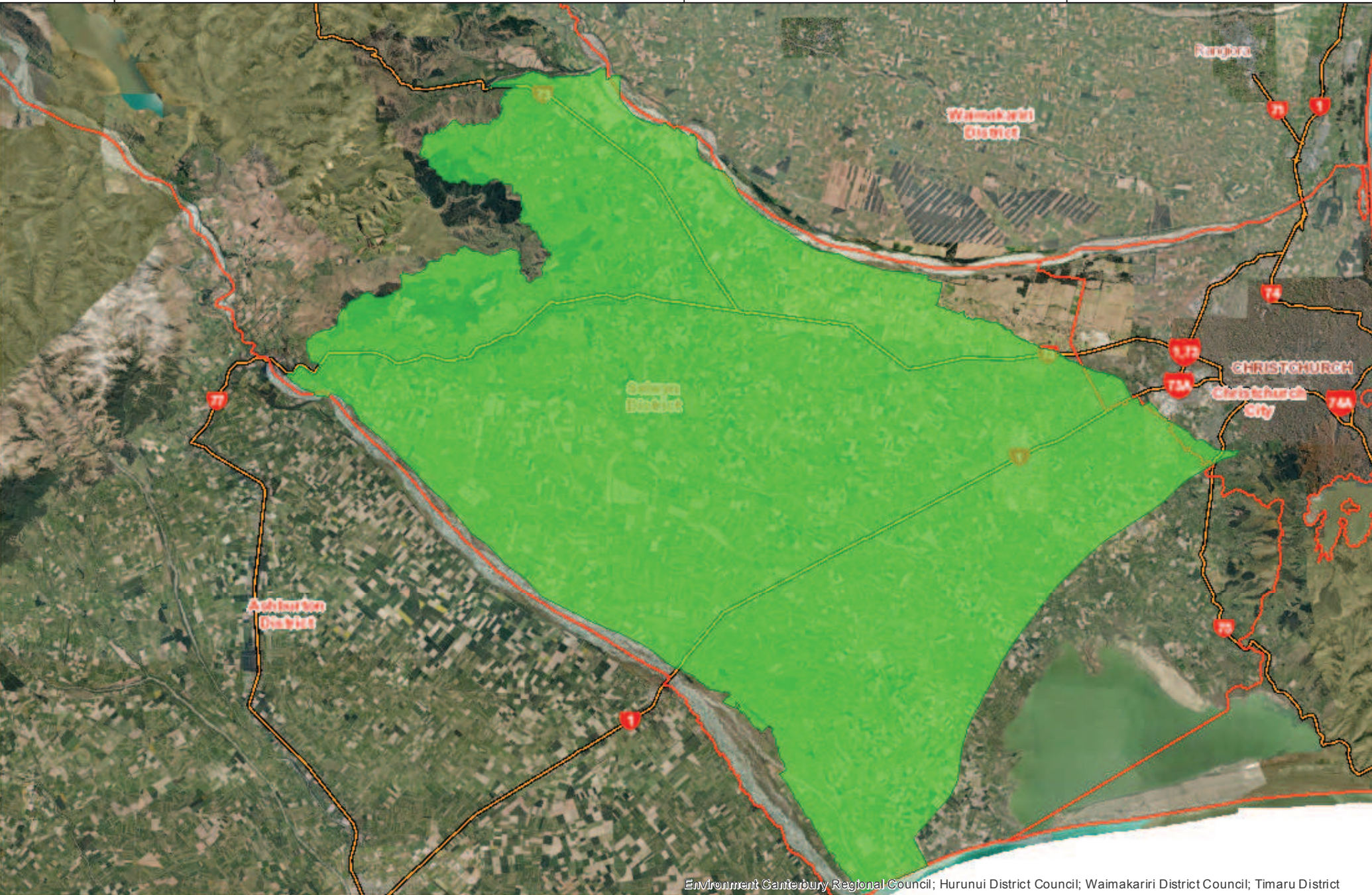
Please return to:

Environmental Protection - Administration
Environment Canterbury
PO Box 345
Christchurch 8140



Scale: 1:365,000 @A4

Map Created by Canterbury Maps on 3:44:57 p.m.





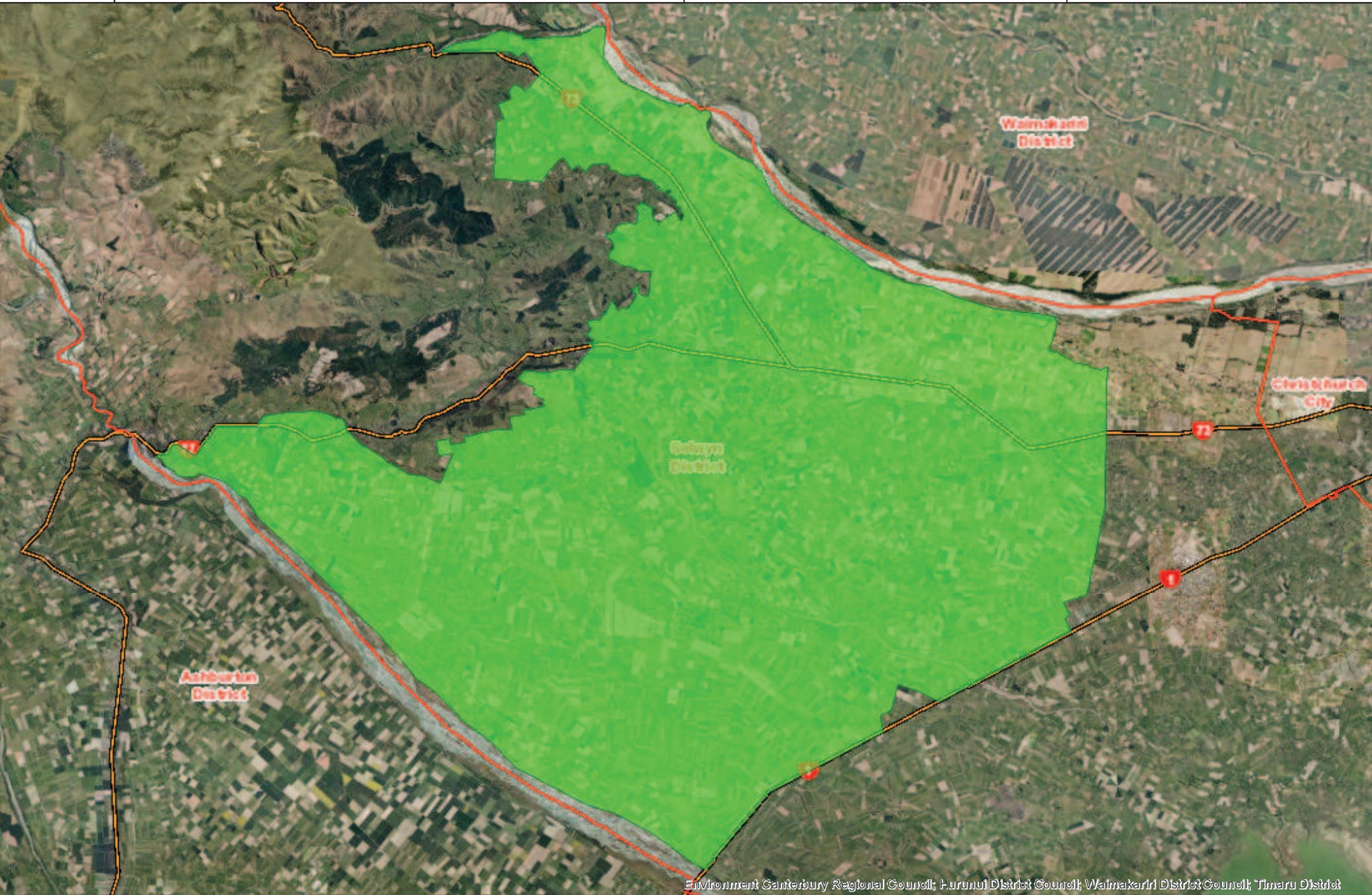
Plan CRC165686B Central Plains Water Enhancement Scheme

Information in this map has been derived from various sources including the Kaitiaki District, Hurunui District, Waimakariri District, Christchurch District, Environment Canterbury Regional Council, Selwyn District, Ashburton District, Waitemata District, Mackenzie District, Timaru District and Waitaki District's databases.
Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). The aforementioned Councils do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.
Information on this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



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APPENDIX CRC165686 – Farm Environment Plan

Part A – Farm Environment Plans

The Farm Environment Plan shall be based on the material set out in Part B or Farm Environment Plan template and guidance material that has been approved in writing by the Chief Executive of the Canterbury Regional Council. Any Farm Environment Plan based on an approved template shall also include the following components set out in Part B:

1. Nutrient Management targets 1, 2 and 5;
2. Waterbody Management target 2;
3. Native Plants and Animals objective and target 1;
4. Section 4; and
5. Section 6.

Part B – Farm Environment Plan Default Content

The plan shall contain as a minimum:

1. Property or farm enterprise details
 - a. Physical address
 - b. Description of the ownership and name of a contact person
 - c. Legal description of the land and farm identifier
2. A map(s) or aerial photograph at a scale that clearly shows:
 - a. The boundaries of the property or land areas comprising the farm enterprise.
 - b. The boundaries of the main land management units on the property or within the farm enterprise.
 - c. The location of permanent or intermittent rivers, streams, lakes, drains, ponds or wetlands.
 - d. The location of riparian vegetation and fences adjacent to water bodies.
 - e. The location on all waterways where stock access or crossing occurs.
 - f. The location of any areas within or adjoining the property that are identified in a District Plan as “significant indigenous biodiversity”.
 - g. The location of any critical source areas for phosphorus or sediment loss for any part of the property within the Phosphorus Sediment Risk Area.
 - h. The location of flood protection or erosion control assets, including flood protection vegetation.
 - i. Public access routes or access routes used to maintain the rivers, streams, or drains.
 - j. The location of any known mahinga kai, wāhi tapu or wāhi taonga within any property or farming enterprise located in the Cultural Landscape/Values Management Area.
3. A list of all Canterbury Regional Council resource consents held for the property or farm enterprise.
4. An assessment of the adverse environmental effects and risks associated with the farming activities and how the identified effects and risks will be managed, including irrigation, application of nutrients, effluent application, stock exclusion from waterways, offal pits, farm rubbish pits, transitional activities associated with installing irrigation infrastructure and any specific measures to be implemented to ensure that the cultural health objectives of the Ground and Surface Water Plan review by GSWERP as set out within Schedule 2 attached to consent CRC165686, or any subsequent replacements or variations thereof.
5. A description of how each of the following objectives and targets for each Management Area will, where relevant, be met and the specific actions that will be undertaken to implement the Good Management Practices. The plan for each objective shall include:
 - a. detail commensurate with the scale of the environmental effects and risks;
 - b. a description of the actions and Good Management Practices (and a timeframe within which those actions will be completed) that will be implemented to achieve the objectives and targets.
 - c. records required to be kept for measuring performance and achievement of the targets and objectives.

APPENDIX CRC165686 – Farm Environment Plan

Management Area: Nutrient Management

Objective: To maximise nutrient use efficiency while minimising nutrient losses to water.

Targets:

- (1) Achieving good management practice in respect of nutrient losses.
- (2) Phosphorus and sediment losses from farming activities are minimised.
- (3) Managing the discharge from drains within the Lake area of the Cultural Landscape/Values Management Area.
- (4) The amount and rate of fertiliser applied does not exceed the agronomic requirements of the crop.
- (5) Further reducing the nitrogen loss calculation from 2022 where a property or farming enterprise's nitrogen loss calculation is greater than 15 kg of nitrogen per hectare per annum.

Management Area: Irrigation Management

Objective: To operate irrigation systems efficiently ensuring that the actual use of water is monitored and is efficient.

Targets:

- (1) New irrigation infrastructure is designed, installed and operated in accordance with industry best practice standards.
- (2) Existing irrigation systems are calibrated, maintained and operated to apply irrigation water at the optimal efficiency.
- (3) All applications of irrigation water are justified on the basis of soil moisture data and climatic information.
- (4) The timing and rate of application of water is managed so as to not exceed crop requirements or the available water holding capacity of the soil.
- (5) Staff are trained in the operation, maintenance and use of irrigation systems.

Management Area: Soils Management

Objective: To maintain or improve the physical and biological condition of soils in order to minimise the movement of sediment, phosphorus and other contaminants to waterways.

Targets:

- (1) Farming activities are managed so as to not exacerbate erosion.
- (2) Farming practices are implemented that optimise infiltration of water into the soil profile and minimise run-off of water, sediment loss and erosion.

Management Area: Collected Animal Effluent Management

Objective: To manage the risks associated with the operation of effluent systems to ensure effluent systems are compliant 365 days of the year.

Targets:

- (1) Effluent storage facilities and effluent discharges comply with regional council rules or any granted resource consent.
- (2) The timing and rate of application of effluent and solid animal waste to land is managed so as to minimise the risk of contamination of groundwater or surface water bodies.
- (3) Sufficient and suitable storage is available to store effluent and any wastewater when soil conditions are unsuitable for application.
- (4) Staff are trained in the operation, maintenance and use of effluent storage and application systems.

APPENDIX CRC165686 – Farm Environment Plan

Management Area: Waterbody Management (wetlands, riparian areas, drains, rivers, lakes)

Objective: To manage wetlands, riparian areas and surface waterbodies to avoid damage to the bed and margins of a water body, and to avoid the direct input of nutrients, sediment, and microbial pathogens.

Targets:

- (1) Stock are excluded from waterbodies in accordance with regional council rules or any granted resource consent.
- (2) Riparian margins are planted and vegetation is maintained to minimise nutrient, sediment and microbial pathogen losses to waterbodies.
- (3) Farm tracks, gateways, water troughs, self-feeding areas, stock camps wallows and other sources of sediment, nutrient and microbial loss are located so as to minimise the risks to surface water quality.

Management Area: Point Sources Management (offal pits, farm rubbish pits, silage pits)

Objective: To manage the number and location of pits to minimise risks to health and water quality.

Target:

- (1) All on-farm silage, offal pit and rubbish dump discharges are managed to avoid direct discharges of contaminants to groundwater or surface water.

Management Area: Water-use Management (excluding irrigation water)

Objective: To use water efficiently ensuring that actual use of water is monitored and efficient.

Target:

- (1) Actual water use is efficient for the end use.

Management Area: Native Plants and Animals

Objective: To avoid, remedy or mitigate effects on native plants and native animal and their habitats on individual farm properties.

Target:

- (1) Maintain native plant and animal habitat, enhance where possible.

6. Nutrient budgets shall be:
 - a. prepared by a suitably qualified person using the current version of the Overseer™ nutrient budget model, or equivalent model approved by the Chief Executive of Environment Canterbury,
 - b. prepared for all of the land within each of the properties specified in consent condition 1; and
 - c. prepared for the upcoming 12 months. At the end of each 12 month period the modelling shall be revised, if necessary, to accommodate any differences between the projected modelling and actual farm practice, to calculate the average annual amount of nitrogen loss to water from the subject land.

APPENDIX CRC165686 – Farm Environment Plan

Part C – Farm Environment Plan Audit Requirements

The Farm Environment Plan must be audited by a Farm Environment Plan Auditor who is independent of the farm being audited (i.e. is not a professional adviser for the property) and has not been involved in the preparation of the Farm Environment Plan.

A Farm Environment Plan Auditor is a person who can provide evidence of at least 5 years' professional experience in the management of pastoral, horticulture or arable farm systems and holds either:

1. a Certificate of Completion in Sustainable Nutrient Management in New Zealand Agriculture from Massey University;
2. a Certificate of Completion in Advanced Sustainable Nutrient Management in New Zealand Agriculture from Massey University; or
3. such other qualification that has been approved by the Chief Executive of the Canterbury Regional Council as containing adequate instruction and assessment on agricultural sciences and nutrient management.

The auditor shall determine the level of confidence they have that each objective, target and Good Management Practice has been achieved. This level of confidence shall be categorised into the following:

- High = The objective has probably been achieved;
- Medium = The objective has possibly been achieved; or
- Low = It is unlikely that the objective has been achieved.

The audit shall record the justification for each level of confidence assessment, including noting the evidence, or lack of, used to make the determination. Where an objective has received a Medium or Low level of confidence, the audit shall include the required actions for the farm to meet the objective. Where an objective has received a Medium level of confidence (and the farm has received no Lows), the audit shall also determine whether or not the farm is on-track to achieve the objectives.

The audit shall record the overall audit grade based on the results of the level of confidence assessment as follows:

- A grade = All Highs;
- B grade = One or more Mediums and no Lows, but on-track to achieve the objectives;
- C grade = One or more Mediums and no Lows, but not on-track to achieve the objectives; or
- D grade = Any Lows.

The grade of the previous audit sets the timeframe until the next audit is required as follows:

- A grade = 4 years;
- B grade = 2 years;
- C grade = 12 months; or
- D grade = 6 months.

An exception applies to farms where an audit grade of A or B has been achieved. Where the manager of the farm changes or the farm system changes, then an audit shall be under taken within 12 months of the change. A change in the farm system means whole farm operation conversions, including but not limited to, converting between dairy support, dairy platform, sheep & beef and cropping; and also any introduction of a new stock type to the farm, e.g. deer or wintering dairy cows. Changes such as, varying the type of crop grown or varying the relative proportions of stock types do not constitute a farm system change.

Schedule CRC165686: Nitrogen Discharge Allowance

<p>* Means the portion of the NDA that relates to land that was previously unirrigated that is</p>	
<p>Farming type during baseline period or at conversino if New Irrigation (dairy,</p>	
<p>2022 Nitrogen Discharge Allowance (kg)</p>	
<p>2017 Nitrogen Discharge Allowance (kg)</p>	
<p>New Irrigation Nitrogen Discharge Allowance (kg) *</p>	
<p>Nitrogen Discharge Allowance (kg)</p>	
<p>Group (A, B or C)</p>	
<p>Property area (ha)</p>	
<p>Shareholder/ property ID</p>	