

FARM ENVIRONMENT PLAN

Mahere Tātairira Taiao Ahuwhenua



Healthy Rivers
PLAN FOR CHANGE

Wai Ora
HE RAUTAKI WHAKAPAIPAI

Waikato
REGIONAL COUNCIL
Te Kaunihera ā Rohe o Waikato

PROPERTY DETAILS

Farm trading name (if applicable)	
Full name (owners)	
Healthy Rivers Farm Identifier	<i>Office use only</i>
CONTACT DETAILS FOR OWNER(S)	
Postal address	
Phone	
Email address	
CONTACT DETAILS OF PERSON RESPONSIBLE FOR THE FARM (IF DIFFERENT FROM FARM OWNER)	
Postal address	
Phone	
Email	
PROPERTY OWNER (IF DIFFERENT FROM ABOVE OWNERS)	
Property address	
Valuation reference ¹	
Legal description(s) of land parcels ¹	
Total area (ha)	
Effective area (ha)	
Land use activities	
Other relevant property identifier, dairy supply number, farm IQ	
HEALTHY RIVERS/WAI ORA	
Freshwater Management Unit ²	
Sub-catchment name ²	
Sub-catchment priority ²	
CERTIFIED FARM ENVIRONMENT PLANNER	
Name	
Contact details	
Identifier/certification reference	<i>Office use only</i>
Sign-off	
Date	

¹ Obtainable from Waikato Regional Council or district council rates documentation.

² Not sure which sub-catchment you're in? Visit waikatoregion.govt.nz and click on Find My Farm.

FARM MAP

Use the map(s) to identify the location of the property, its features and uses, existing infrastructure (including fences and mitigations), relevant contaminant loss risks areas, and the location of proposed actions.

Finalise the aerial plan of the property and include all relevant features listed below.

Farm maps can be requested from Waikato Regional Council.

MAP FEATURE CHECK LIST

Where relevant, the farm map must clearly show:

- Area, property boundary
- Mitigation actions (existing and future)
- Overland flow paths¹/ephemeral waterways
- Location land uses²
- Retired forestry areas
- Paddocks
- QE II or other covenanted areas
- Soil types
- Cultivation setbacks
- Slope classes
- Erosion prone areas¹
- Riparian areas
- Soil conservation areas
- Yards, animal holding areas¹
- Actively eroding areas¹
- Effluent application areas¹
- Cultivated area flow paths
- Effluent accumulation areas¹
- Areas prone to flooding¹
- Feed out areas¹
- Dams
- Stock crossing structures (existing and future)
- Waterbodies³
- Existing fences adjacent to waterbodies³
- Cultivated land above 15 degrees
- Tracks and races

¹ Critical source areas

² This may be in the form of Overseer Blocks, or Land Management Units

³ Any river, drain or wetland that continually contains surface water

FARM STORY (OPTIONAL)

Use this section to help tell the story of your property. What is the history of the property? What are your goals? It also can be used to note some of the work that has already been carried out that you are proud of and want others to know about.

TELL US ABOUT YOUR PROPERTY. INCLUDE:

History
Interesting features
Potential goals
Any concerns/worries

TELL US ABOUT THE WORK YOU HAVE ALREADY DONE. INCLUDE:

Work you have done to protect infrastructure
Work you have done to improve stock health
Work you have already done which has protected or improved water quality
Work you have done to improve biodiversity

It's a good idea to take photos to show changes over time. This can be used to support decision making.

WHOLE FARM RISK OVERVIEW

In this section, consider your entire farm to determine risk factors that apply to it as a whole. These whole farm risks will be used to guide decision making in the Farm Environment Plan Risks and Actions section on page 10.

CATCHMENT NUTRIENT PRIORITIES

Consider the sub-catchment nutrient priorities in your sub-catchment when identifying risks and actions. You can find this information in the FEP Guidelines. *(Circle one or more)*

Nitrogen	Phosphorus	Sediment	Bacteria¹
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FARM SYSTEM AND INTENSITY

Description of farm system and intensity, including fertiliser and supplementary feed inputs.
Description of cultivation, cropping and pasture renewal practices.
N, P, sediment and bacteria.

Identified risks

SOIL TYPE	TOPOGAPHY	CLIMATE
Description of how soil type and land use contributes to risk of contaminant loss.	Description of how topography and land use contribute to risk of contaminant loss.	Description of climate, drought and frequency of flood events, and how this may influence the risk of contaminant loss.
Identified risks	Identified risks	Identified risks

¹ Microbial pathogens

FARM BLOCK DESCRIPTION

LMU STRENGTH AND WEAKNESS ASSESSMENT

Farm or OVERSEER blocks, or Land Management Units (LMUs), are areas of land that can be farmed or managed in a similar way because of underlying physical similarities. For each block or LMU, complete a strength and weakness risk assessment. Add more blocks as required. Use this assessment to inform changes that will maintain and improve the soil and minimise contaminant loss.

If the block is an effluent application block or an irrigated block, complete descriptions of these systems on the next page.

LAND MANAGEMENT UNIT	
Name (as shown on map)	
Description, uses and management	
STRENGTHS AND WEAKNESSES:	
Strengths	Weaknesses
NOTES AND MITIGATION IDEAS	

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LAND MANAGEMENT UNIT

Name (as shown on map)

Description, uses and management

STRENGTHS AND WEAKNESSES:

Strengths

Weaknesses

NOTES AND MITIGATION IDEAS

LAND MANAGEMENT UNIT

Name (as shown on map)

Description, uses and management

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Weaknesses

NOTES AND MITIGATION IDEAS

LAND MANAGEMENT UNIT

Name (as shown on map)

Description, uses and management

STRENGTHS AND WEAKNESSES:

Strengths

Weaknesses

NOTES & MITIGATION IDEAS

LAND MANAGEMENT UNIT

Name (as shown on map)

Description, uses and management

STRENGTHS AND WEAKNESSES:

Strengths

Weaknesses

NOTES & MITIGATION IDEAS

INFRASTRUCTURE MANAGEMENT

Use this section to consider how effluent and freshwater irrigation is managed on your farm. Any risks identified should be added to the Farm Environment Plan Risks and Actions section on page 10.

EFFLUENT SYSTEM
POND VOLUME
POND SEALING EVIDENCE
DAIRY YARD EFFLUENT CONTAINMENT
WOOLSHED EFFLUENT CONTAINMENT
STOCK YARD EFFLUENT CONTAINMENT
STANDOFF PAD/WINTERING BARN OR ANIMAL HOUSING
STABLES OR YEARLING BOXES
SOLIDS OR SLUDGE STORAGE, SEPARATION AND APPLICATION
EFFLUENT APPLICATION MANAGEMENT, IRRIGATOR TYPE
IRRIGATION RATE, SCHEDULING
EFFLUENT IRRIGATION AREA (HA)

FRESHWATER IRRIGATION
AREA IRRIGATED (HA)
TYPE OF IRRIGATOR
WATER SOURCE
WAIKATO REGIONAL COUNCIL CONSENT
WATER METER
APPLICATION DEPTH AND UNIFORMITY
METHOD(S) OF SCHEDULING AND CALCULATING IRRIGATION REQUIREMENTS
OTHER INFORMATION

NUTRIENT MANAGEMENT

You can work with a Certified Farm Nutrient Advisor (CFNA) to get an OVERSEER nutrient budget and Nitrogen Reference Point. Consider your nutrient management plan, specifically focusing on N and P, and what actions will be needed.

If appropriate, risks and actions should be added to the Risks and Actions table on page 10.

NITROGEN MANAGEMENT	
	KG N/HA/YR
What is the 75th percentile of nitrogen leaching for the FMU?	
Nitrogen Reference Point	
Current Nitrogen leaching	
Changes to system , if needed ¹	
Predicted Nitrogen leaching ²	

¹ Changes to system are needed if the NRP is above the 75th percentile value. Please summarise the actions necessary to achieve reductions to the 75th percentile value by 1 July 2026.

² Nitrogen leaching value anticipated once actions¹ have been completed.

PHOSPHORUS MANAGEMENT			
BLOCK	OLSEN P TEST	AGRONOMIC OPTIMUM	ACTIONS

Refer to the Fertilizer Association Guides at fertiliser.org.nz

FARM ENVIRONMENT PLAN RISKS AND ACTIONS

Note: some risks may have no actions, single actions or multiple actions (and vice-versa). Where multiple actions are needed, please complete a new table. Where no action is required, an explanation should be provided in the notes/commentary section.

These tables identify all the risks on farm and what will be done to manage them. For help with good management practices/ideas for mitigations, please refer to the Farm Environment Plan Guide.


Risk type <i>Hillside erosion</i>	Risk type	Risk type																											
<table border="1"> <tr> <td>L</td> <td>M</td> <td>H</td> </tr> <tr> <td>Nitrogen</td> <td>Phosphorus</td> <td></td> </tr> <tr> <td>Sediment</td> <td>Bacteria</td> <td></td> </tr> </table>	L	M	H	Nitrogen	Phosphorus		Sediment	Bacteria		<table border="1"> <tr> <td>L</td> <td>M</td> <td>H</td> </tr> <tr> <td>Nitrogen</td> <td>Phosphorus</td> <td></td> </tr> <tr> <td>Sediment</td> <td>Bacteria</td> <td></td> </tr> </table>	L	M	H	Nitrogen	Phosphorus		Sediment	Bacteria		<table border="1"> <tr> <td>L</td> <td>M</td> <td>H</td> </tr> <tr> <td>Nitrogen</td> <td>Phosphorus</td> <td></td> </tr> <tr> <td>Sediment</td> <td>Bacteria</td> <td></td> </tr> </table>	L	M	H	Nitrogen	Phosphorus		Sediment	Bacteria	
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Risk location ID from map <i>1 and 5</i>	Risk location ID from map	Risk location ID from map																											
Mitigation action type <i>Pole planting</i>	Mitigation action type	Mitigation action type																											
Mitigation location ID from map <i>1 and 5</i>	Mitigation location ID from map	Mitigation location ID from map																											
<i>Plant at least 5 poplar poles in paddock 24, and at least 3 poplar poles in paddock 27.</i>	Action detail	Action detail																											
Time frame for completion or ongoing <i>By 1 January 2020</i>	Time frame for completion or ongoing	Time frame for completion or ongoing																											
<i>Map ID 1 = paddock 24, Map ID 5 = paddock 27.</i> <i>Poles should be planted on west facing slopes at 15m spacing and not directly in slip face.</i> <i>Need to approach local CMO to discuss the availability of poplar poles and potential funding.</i>	Notes/commentary	Notes/commentary																											




Risk type	
L	M
H	
Nitrogen	Phosphorus
Sediment	Bacteria
Risk location ID from map	
Mitigation action type	
Mitigation location ID from map	
Action detail	
Time frame for completion or ongoing	
Notes/commentary	

Risk type	
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It's a good idea to take photos of risks and actions to show changes over time. This can be use to support decision making.

Risk type	
	
	
Nitrogen	Phosphorus
Sediment	Bacteria
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Mitigation action type	
Mitigation location ID from map	
Action detail	
Time frame for completion or ongoing	
Notes/commentary	

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Need more space? You can find more Risk and Actions tables at waikatoregion.govt.nz/healthyrivers.

YOUR PLAN OF ACTIONS *(OPTIONAL)*

It may be helpful to summarise the actions in the Farm Environment Plan Risks and Actions table, particularly by due date.

	LOCATION (MAP REFERENCE)	ACTION DETAIL	TIME FRAME FOR COMPLETION OR IMPLEMENTATION OF ONGOING ACTIONS
REQUIRED ACTIONS			

This table will identify work that farmers may wish to do that goes above expectations for regulation. It will not be considered when assessing the completeness of the FEP. These actions may be used to support applications for funding from Waikato Regional Council or other organisations.

ENHANCEMENTS	LOCATION (MAP REFERENCE)	ACTION DETAIL	TIME FRAME FOR COMPLETION OR IMPLEMENTATION OF ONGOING ACTIONS

CHECKLIST

Use this checklist to ensure you have completed all necessary assessments in the FEP.

- Nitrogen Reference Point assessment
- Stock exclusion assessment
- Riparian management assessment
- Cultivation management assessment
- Critical source area assessment

This information has been provided based on Waikato Regional Council's interpretation of the proposed plan. The proposed plan is at the early stages of the Schedule 1 process and the provisions are therefore likely to be subject to further change through that process. While Waikato Regional Council has exercised all reasonable skill and care in providing this information, council accepts no liability in contract, tort or otherwise, for any loss, damage, injury or expense (whether direct, indirect or consequential) arising out of the provision of this information or its use by you or any other party. Should you have specific concerns regarding the proposed provisions, we encourage you to make a submission and/or seek your own legal advice.

HE TAIAO MAURIORA

HEALTHY ENVIRONMENT

HE ŌHANGA PAKARI

STRONG ECONOMY

HE HAPORI HIHIRI

VIBRANT COMMUNITIES

 [WAIKATOREGION.GOV.T.NZ/HEALTHYRIVERS](https://www.waikatoregion.govt.nz/healthyrivers)

 HEALTHYRIVERS@WAIKATOREGION.GOV.T.NZ

 0800 800 401



Healthy Rivers
PLAN FOR CHANGE

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