




WAIKATO

FARM ENVIRONMENT PLAN WORKBOOK

By farmers. For farmers





The Farm Environment Plan (FEP) is required to be prepared in accordance with Schedule 1 of the Healthy Rivers—Plan Change 1 and needs to be approved by a certified Farm Environment Planner.

BUSINESS DETAILS

Farm name	
Address	
Legal description and farm identifier This information is available through the WRC online GIS mapping	
Owner/s If held in a trust please provide details of all trustees	
Leaseholder	
Phone	
Mobile	
Email	
Manager	
Phone	
Mobile	
Email	
Who is primarily responsible for the implementation of this Farm Environment Plan?	
Contact details (if different to above)	
Phone	
Mobile	
Email	
Resource consents held in relation to this business (list consent numbers)	

FARM PLAN DETAILS

Describe the farm enterprise and the size of the operation (hectares)

Outline the goals and objectives for the business

Describe the existing farm management policy including:

Stock types and classes

Numbers wintered

Feed supplement inputs

Fertiliser inputs

Winter management

Annual and permanent crops grown

STEP 3—RESOURCE CHART

LMU	Description	Strengths	Weaknesses and risks	Uses and management

LMU	Description	Strengths	Weaknesses and risks	Uses and management

STEP 5—ENVIRONMENTAL OBJECTIVES AND SUMMARY OF CURRENT PRACTICES

Objective one—nutrient management

To maximise nutrient use efficiency while minimising nutrient losses to water in order to meet specified nutrient allowances.

What practices help you achieve objective one?

How can you demonstrate this?

Requirements for action plan as per Schedule B: Nitrogen Reference Point 3.11.5.3 Schedule 1—2(e)-5.

Objective two—soil management

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.

What practices help you achieve objective two?

How can you demonstrate this?

Requirements for action plan as per Schedule 1—2(f) 3.11.5.2.

Objective three—wetlands, riparian management and stock exclusion

To manage wetlands and waterway margins to avoid damage to the bed and margins of a water body, avoid direct input of nutrients, and to maximise riparian margin nutrient filtering.

What practices help you achieve objective three?

How can you demonstrate this?

Requirements for action plan as per Schedule 1—2(b) Schedule c 3.11.5.3.

Objective four—land use and grazing management

To manage and assess the appropriate land use and grazing management for specific areas on the farm in order to maintain and improve the physical and biological condition of soils and minimise the diffuse discharges of contaminants.

What practices help you achieve objective four?

How can you demonstrate this?

Requirements for action plan as per Schedule 1—2(d) 3.11.5.3.

Objective five—Irrigation management

To operate irrigation systems that are capable of applying water efficiently and management that ensures actual use of water is monitored and is efficient.

What practices help you achieve objective five?

How can you demonstrate this?

Requirements for action plan as per Schedule 1—2 f(ii)(f).

Objective six—Biodiversity

To maintain and enhance on farm biodiversity.

What practices help you achieve objective six?

How can you demonstrate this?

Objective seven—Pest management

To coordinate an effective pest management strategy.

What practices help you achieve objective seven?

How can you demonstrate this?

Objective eight—Offal pits, silage, effluent runoff from stock yards, tracks, races and rubbish dumps

To manage the number and location of these sources to minimise risk to health and water quality.

What practices help you achieve objective eight?

How can you demonstrate this?

Requirement for action plan as per schedule 1—2(c)(iv)(v).

Objective nine—Critical source areas management

To identify and manage the critical source areas from which N,P, sediment and pathogens are lost.

What practices help you achieve objective nine?

How can you demonstrate this?

Requirement for action plan as per Schedule 1—2(c)(i, ii and iii).

Objective ten— Any objective which is specific to the farm

What practices help you achieve objective ten?

How can you demonstrate this?

STEP 6—ACTION PLAN

Area	Issue/risk	Significance (L, M, H)	Response	Timeframe	Responsibility—name and title e.g. Owner	Additional benefits, e.g. animal health, cost reduction
Objective 1 Nutrient management						
Objective 2 Soil management						

Area	Issue/risk	Significance (L, M, H)	Response	Timeframe	Responsibility—name and title e.g. Owner	Additional benefits, e.g. animal health, cost reduction
Objective 3 Wetlands, riparian management and stock exclusion						
Objective 4 Land use and grazing management						

Area	Issue/risk	Significance (L, M, H)	Response	Timeframe	Responsibility—name and title e.g. Owner	Additional benefits, e.g. animal health, cost reduction
Objective 5 Irrigation management						
Objective 6 Biodiversity						

Area	Issue/risk	Significance (L, M, H)	Response	Timeframe	Responsibility—name and title e.g. Owner	Additional benefits, e.g. animal health, cost reduction
Objective 7 Pest management						
Objective 8 Offal pits, silage, effluent runoff from stock yards, tracks, races and rubbish dumps						

Area	Issue/risk	Significance (L, M, H)	Response	Timeframe	Responsibility—name and title e.g. Owner	Additional benefits, e.g. animal health, cost reduction
Objective 9 Critical source areas						
Objective 10 Any objective specific to the farm						

STEPS

ONE PREPARE FARM MAP

TWO DEFINE AND DESCRIBE LMUs

THREE IDENTIFY STRENGTHS AND WEAKNESSES FOR EACH LMU

FOUR REVIEW NUTRIENT BUDGET INFORMATION

FIVE LIST ENVIRONMENTAL OBJECTIVES AND OUTLINE CURRENT PRACTICES

SIX IDENTIFY NEW ACTIONS BASED ON IDENTIFIED RISKS

SEVEN IMPLEMENT, MONITOR AND REVIEW

CHECKLIST

Have you completed...?

Create a farm map that shows sites of interest for farm environment planning.

Identified areas of land that can be farmed or managed in a similar way because of underlying physical similarities.

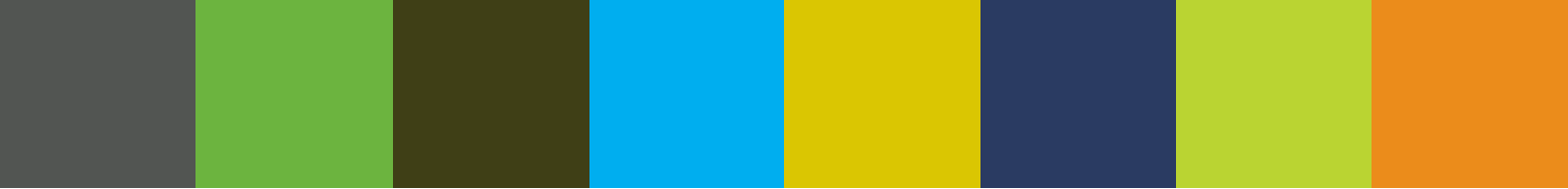
Completed the resource chart, evaluating the strengths and weaknesses of each LMU.

Reviewed and updated your current OVERSEER nutrient budget using LMUs.

Identified environmental objectives and listed good management practices to achieve each one.

Recorded other things you do that demonstrate good environmental management practices.

Completed your Farm Environment Plan and signed the implementation agreement on page 22.



Congratulations on designing a Farm Environment Plan specifically for your farm.

For full integration with farm business planning you may wish to refer to this FEP when making decisions about farm development and financial planning.

Once your plan is complete, the following should be signed, as appropriate:

RESPONSIBILITY FOR IMPLEMENTING THIS FARM PLAN

As the person responsible for implementing this plan, I confirm that the information provided is correct:

Name (plan implementer)

Position (e.g. owner/manager)

Signature and date

Owner and lessee commitment

As owner/s of this farming business I/we are committed to ensuring that all activities on our property are undertaken in an environmentally sustainable and culturally sensitive manner. We agree to monitor our performance in meeting the management objectives and outcomes in this Plan, and take appropriate actions to address any areas where improvement is needed.

Name (owner/representative/delegated authority for a trust)

Signature and date

Name (lessee or lessee representative)

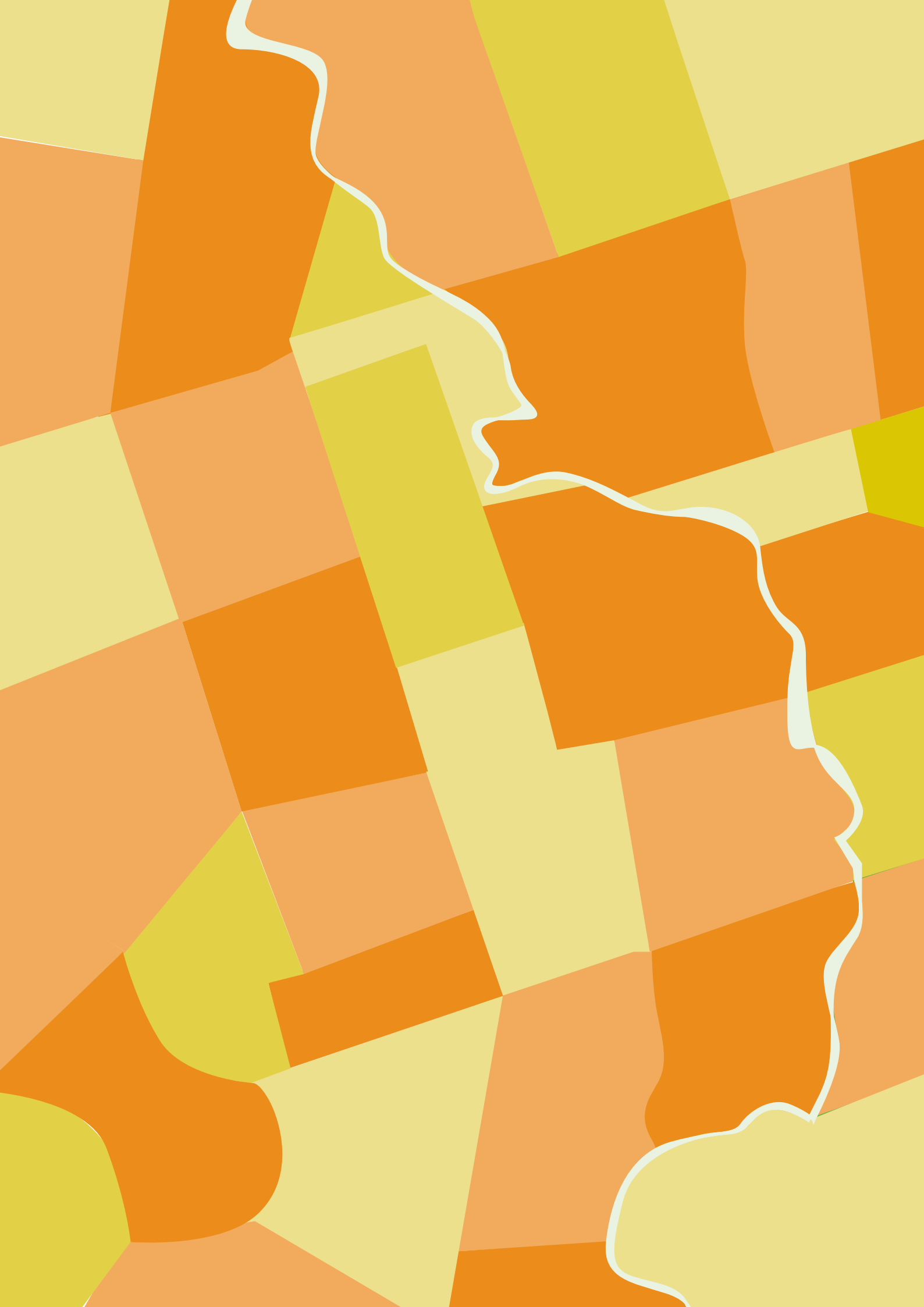
Signature and date

Workshop facilitator

I acknowledge that this FEP has been completed to a reasonable standard, and has gained an understanding of the FEP process.

Name (workshop facilitator)

Signature and date





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