

## 1.1 FARM DETAILS ADMINISTRATION

Consent Holder Name:

Contact details:

Physical Address of the IWG activity:

Title legal descriptions:

## 1.2 MANAGEMENT PLAN DETAILS\*

Consent authorisation number: .....

Total consented farm area, ha: .....

Consented annual maximum IWG area, ha/year: .....

Management plan version number	Version	Date certified	Total assessed area, ha

Version audited	Dates audited	Audited by	Final outcome

\* Note: Part 1 is a cover page, these details can be completed after a consent is issued.  
Part 2 & 3 is the Management Plan and should be completed for the consent application.  
Part 4 is Monitoring and compliance information kept by the farmer, these details can be completed after a consent is issued.

## 2.1 CATCHMENT VALUES

Refer to Schedule B of the One Plan for the Surface Water Management Values. Identify the community values for freshwater for your catchment and how your IWG activities might impact on those values. Values can include swimming, maintaining or improving ecosystem health, providing for Mahinga kai, fishing and drinking water.

**Surface Water Management Zone:**

Commentary on catchment values:

## 2.2 LIVESTOCK GRAZED ON WINTER CROP

List all stock classes of animals you intend to intensively winter graze throughout the consent period.

Select options	Tick	Select options	Tick
Lambs		Mixed age sheep	
Deer R1/R2		Deer hinds	
Beef R1/R2		Deer Stags	
Dairy R1/R2		Beef adult cattle	
Others (specify):		Dairy adult cattle	

Commentary on livestock grazed on crop:

## 2.3 FEED SYSTEM

List all possible intensive winter grazing crops you might grow throughout the entire consent period.

Annual forage crop 1:	
Annual forage crop 2:	
Annual forage crop 3:	
Annual forage crop 4:	
Annual forage crop 5:	

Commentary on annual forage crops:

List supplements and the available infrastructure you intend to use on the winter grazed crop throughout the entire consent period.

Supplementary feed	Feeding infrastructure on farm

Commentary on supplementary feeding systems:

## 2.4 MANDATORY GOOD MANAGEMENT PRACTICES

All IWG operations are expected to meet the below minimum GMP requirements.

Farm scale mandatory good management practices	Yes	No	NA	Please provide an explanation if GMP cannot be met
Leave an ungrazed buffer from waterways of not less than 5m at any point				
Critical source areas will be left uncultivated and ungrazed with vegetation maintained as ground cover				
Portable troughs and supplementary feed sites where stock tend to congregate are located away from waterways and critical source areas				
Strategic grazing from top of paddock down the slope when critical source areas and waterways are present				
Strategic grazing towards critical source areas and waterways				
Commentary on GMP practices:				

## 2.5 CONTINGENCY PLANS

Adverse weather plan. What is the contingency plan for periods of adverse or bad weather? Consider options to move stock so as to minimise environmental damage, such as the availability of alternative paddocks or other locations, use of feedpads and other standoff areas, or the ability to lift feed such as fodder beet.

## 2.6 NITROGEN RISK MITIGATION

IWG is inherently a high risk activity for nitrogen leaching. It makes a disproportionately large contribution to annual nitrogen leaching despite representing a relatively small area of the farm. This is attributed to the high amounts of excreta due to increased stocking densities, which occurs on bare wet soils with little plant uptake and increased soil drainage.

The nitrogen mitigations proposed must be commensurate to the risk of your IWG activity.

Nitrogen mitigation	Yes	No	NA	Notes
Soil nutrient status is used to guide plant nutrient requirements and post-grazing planting.				
Establishment of 'catch crop' to soak up excess nutrients remaining in soil				
Use of nutrient modelling tool to understand and manage nitrogen losses occurring on-farm				
Nitrification inhibitors used to reduce nitrate loss over winter and early spring				
Use on-off grazing to distribute urine patches more widely				

Commentary on nitrogen risk:

## 3.1 FARM SCALE MAPS REQUIRED

Farm scale maps required	Tick
Farm map boundary, titles	
Slope map	
Soil types	
Erosion susceptibility map	
Location of waterways; permanent, intermittent and modified waterways	
Location of wetlands	
Indigenous biodiversity areas on the farm including Schedule F	

## 3.2 PADDOCK SCALE RISK ASSESSMENT FOR SEDIMENT, PHOSPHORUS AND E. COLI

Paddock Key / Legend	Tick	Symbol
Boundary of grazed areas showing buffer distances from CSA		
All CSA identified		
All surface, subsurface drains and waterways identified		
Location of fixed structures, water troughs, feeding infrastructure and gateways		
Location of bores, wells		
GMPs identified e.g. grazing direction, cultivation direction		
Mitigations identified e.g. sediment traps, bunds		

## 3.3 PADDOCK SCALE RISK ASSESSMENT FOR SEDIMENT, PHOSPHORUS AND E. COLI

Assessment can be completed at paddock scale, block level or land management unit where appropriate for sections 3.3, 3.4 & 3.5. For additional pages please click [here](#).

**Paddock or block name:**

**Cropped area, ha:**

**Paddock drawing:**



## 3.4 RISK ASSESSMENT OF CROPPED AREA

Sediment, phosphorus and *E. coli* risk assessment at paddock scale. Risk assessment must be completed using [iwgrisk.horizons.govt.nz](http://iwgrisk.horizons.govt.nz)

<b>Slope of cropped area</b>	Flat 0-7 deg	Rolling 8-15 deg	Easy Hill 16-25 deg	Steep Hill >26 deg	
<b>Soil erosion susceptibility</b>	Low	Moderate	High	Very high	
<b>Soil drainage class</b>	Well	Imperfect	Poor	Very poor	
<b>Presence of waterways within (or 10m outside of) paddock</b>	Yes	No			
<b>Presence of critical source areas within paddock boundary</b>	Yes	No			
<b>Stock class</b>	1. Lambs	2. Sheep	3. Young cattle & deer	4. Mature Deer	5. Mature Cattle
<b>Inherent cropped area risk assessment</b>	Low risk	Medium risk	High risk		



## 3.5 SITE SPECIFIC GMP AND MITIGATIONS PRACTICES FOR THIS CROPPED AREA

GMP and mitigations in this section are specific to the above cropped area. If the area is low risk, farm scale GMP in Section 2.4 may be sufficient. However, medium or high risk areas will require further action above GMP specific to the paddock/cropped area

Phosphorus, sediment and <i>E. coli</i> risk assessment after mitigations	Low	Medium	High
<p>Note: Ensure proposed actions are</p> <ul style="list-style-type: none"> <li>i. appropriate for the purpose of avoiding, remedying, or mitigating the adverse effects on freshwater and freshwater ecosystems;</li> <li>ii. are clear and measurable</li> </ul> <p>Include science, evidence-based reports and references, discuss the efficiency and effectiveness of proposed mitigations, and attach details such as sediment trap designs where proposed.</p>			

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