# Sheep and Beef Farming within limits

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# PRIORITIES

## VISION FOR THE SECTOR

A confident and profitable sheep and beef industry

## PURPOSE OF B+LNZ

Help farmers make informed business decisions and promote their collective interests

## PRIORITIES

### Supporting informed business decisions

+ **Investing** in Research and Development that meets the needs of farmers and the sector
+ **Developing** farm and farmer capability
+ **Delivering** knowledge that drives farm performance

### Promoting collective interests

+ **Attract and retain** talent for the sector
+ **Supporting** the sector's market opportunities
+ **Advocating** for farmers ability to operate
+ **Building** our sector's confidence and profile within communities

## PRINCIPLES

Know our farmers

Build partnerships to deliver

Be fair and just for farmers

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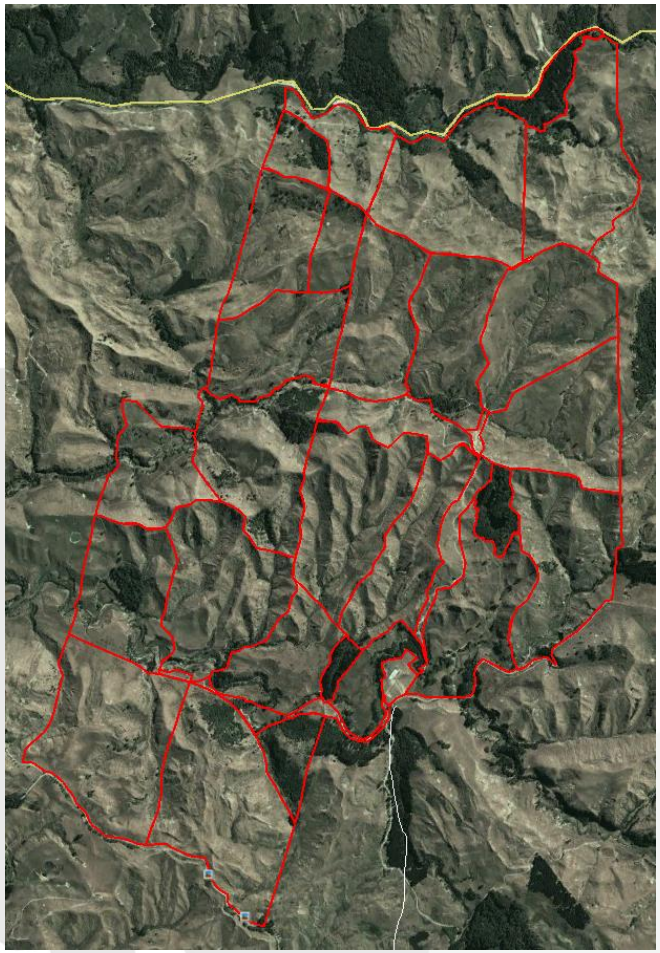
# RISK MANAGEMENT & PLANNING

# Sheep and Beef Farm

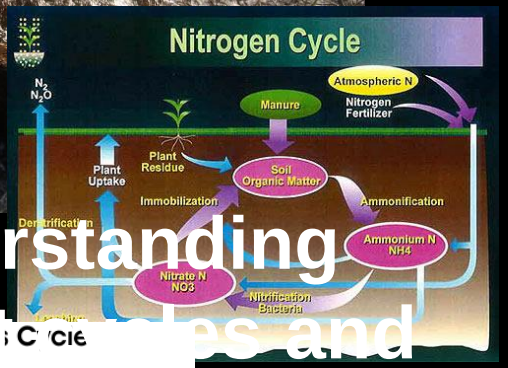


- Scale
- Geography
- Stock types and classes
- Isolation
- History
- Product variation

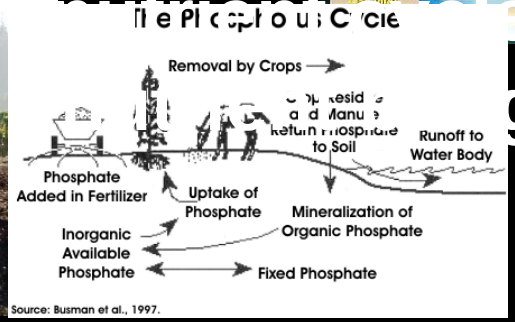
Matching management to land capability

Riparian protection *Stock exclusion, planting, crossings/bridges, fencing*

Cropping management particularly in winter




Understanding nutrient cycles and budgeting

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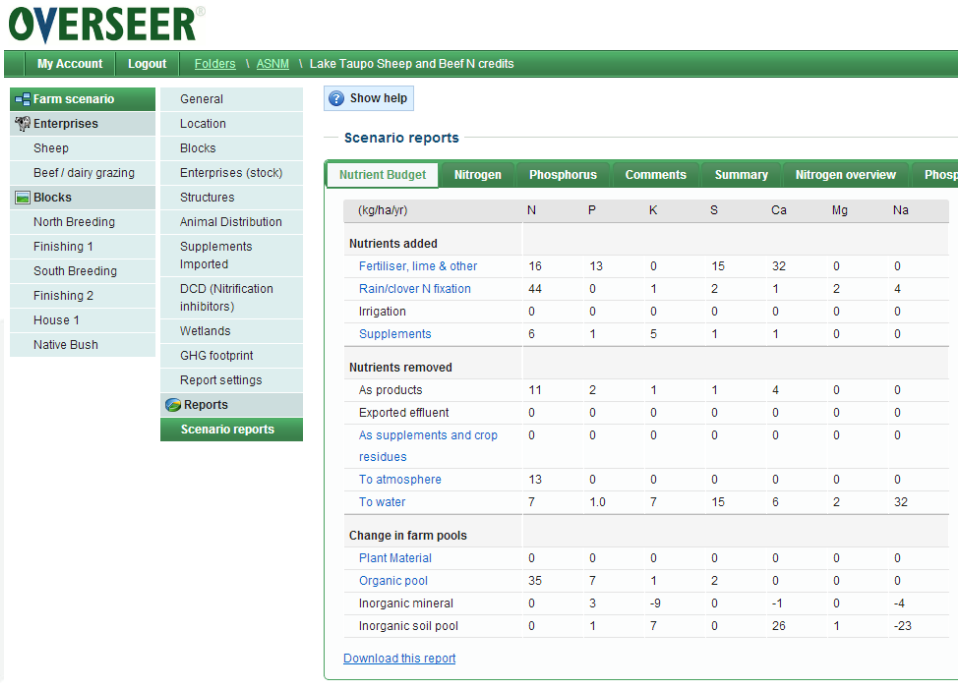
# DATA

- Understand the farm goals
- Have a long-term plan – written (hopefully!)
- Nutrient Budget



# Mangara LEP 1

### Water Quality: Nitrogen

| Priority<br>Rank each response in order of priority | Issue<br>Detail the issue of concern | Response<br>Specify your response to minimise or manage the issue | Cost<br>Estimate cost | Time-Frame<br>Time-frame to be completed in | Progress<br>Tick when completed |
|---|---|---|---|---|---|
| 1 | Currently don't understand nutrient inputs and outputs | Run Overseer for Mangara | $0 | August 2014 | √ |
| 2 | Soil fertility is largely unknown | Understand soil fertility with bi-annual soil testing on soil transects | $0 | 2015 onwards | |
| 3 | Some issues with point source run-off | Establish vegetative buffers where suitable | $5,000 | By June Annually | |
| 4 | N fertiliser getting into waterways | Use maps and skilled pilots to avoid direct application to waterways | $0 | 2014 onwards | |
| 5 | Strategic use of nitrogen | Ensure application rates are less than 50kgN/ha/application and less than 150kgN/ha/year | $1,100/tonne | Ongoing | |

### Water Quality: Erosion

| Priority<br>Rank each response in order of priority | Issue<br>Detail the issue of concern | Response<br>Specify your response to minimise or manage the issue | Cost<br>Estimate cost | Time-Frame<br>Time-frame to be completed in | Progress<br>Tick when completed |
|---|---|---|---|---|---|
| 1 | Understanding best land management for area | Engage with Horizons Regional Council and get a SLUI Plan | $0 | 2014 | |
| 2 | Track development potentially causing erosion | Design track to minimise damage using farm map and including infrastructure site consideration | $0 | 2014 | |
| 3 | Erosion more likely where contour not managed | Design new fencing to match contour with all new fencing | $500,000 | 2020 | |
| 4 | Infrastructure threatened by erosion | Strategic tree planting to protect key infrastructure | $10,000 | 2020 | |
| 5 | Risk of slips on many slopes | Space plant as many poplar poles as practical each year (100) | $500 | 2014 onwards | |

# Key elements

- Systems approach with data
- Enable planned development
- Ultimately achieve environmental and profitable outcomes
  - E.g. Fencing subdivision – contour, waterways
- Farmer-driven and step-through levels
- Continuous Improvement & Innovation
- Compliance in the future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# CHALLENGES

- Costs
- Knowledge
- Policy
- External factors, weeds, pests, climate
- Attitude – major shift

# OPPORTUNITIES

- Productivity
- Intensification in right areas
- Improved efficiency
- Other income streams

**How do you eat an elephant?**

# TO DATE…

- >600 Level 1 plans done in past 10 months
- Level 2 workshops starting from now
- Increased resource
- Working with all Regional Councils

# QUESTIONS/DISCUSSION

**“The secret of success is not in predicting the future; it is creating people who will thrive in a future that can’t be predicted” – *unknown* –**

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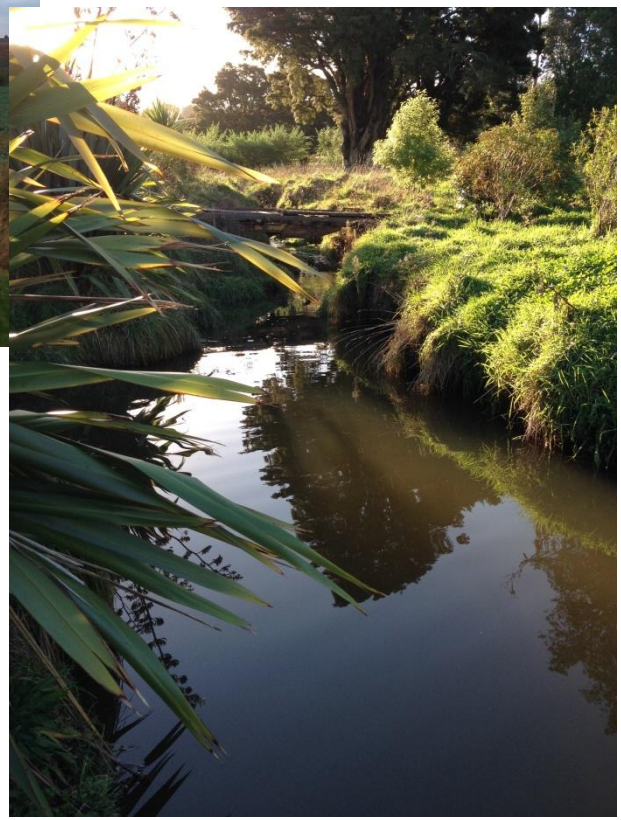
# SEDIMENT AND PHOSPHORUS



# FAECAL

# NATURAL ASSETS

# THE NITROGEN CHALLENGE