

## Introduction

New Zealand is a country in the southwestern Pacific Ocean, it comprises of two main landmasses — the North Island (or Te Ika-a-Måui), and the South Island (or Te Waipounamu), both islands are marked by volcanoes and glaciation.

**Mãori** are the tangata whenua, the indigenous people, of New Zealand. The first Mãori are said to have sailed to New Zealand from Hawaiki their mythical Polynesian homeland more than 1000 years ago. Today Mãori make up 14% of New Zealand's population and their history, culture and traditions are central to New Zealand's identity.

Livestock numbers in New Zealand, consists of 10 million cattle (includes 6.5 million dairy animals), 29.1 million sheep and 0.9 million deer (data from 2015).



14%

Today Mãori make up 14% of New Zealand's population

**Top 10** 

New Zealand is one of McDonald's top ten beef producing markets

# Whangara Farms

Located on New Zealand's East Coast near Gisborne, the Whangara Farms Partnership was formed in 2006 when two neighbouring Maori owned farms, Pakarae A and Whangara B5, joined to form a 5,600-hectare property.

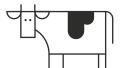
The current General Manager, Richard Scholefield joined Whangara Farms in 2007 and a major development programme was started focusing on water, fertilizer use, genetics and infrastructure. In 2009, having made some huge improvements Whangara Farms won the Ahuwhenua Maori Farmer of the Year.

In 2010 Whangara Farms purchased Tongataha, a 1,500-hectare block of land Northwest of Wairoa, bringing the total land holding to 7,100 ha. Then in 2015 another neighbouring Maori farm Tapuwae Whitiwhiti joined Whangara Farms, bringing another 1,400-hectares. The total area of the farming partnership is now 8,500ha (approx. 21,000 acres).

There are 2,500 joint shareholders and Whangara Farms is governed by a Board which is made up of three representatives from the Maori Incorporations and two appointed independent directors.

Whangara Farm runs a total of 2,500 Angus breeding cows, 300 breeding heifers, 4,750 rearing/finishing cattle and 60,000 sheep.

Whangara market their cattle through Silver Fern Farms who supply beef into McDonald's New Zealand, USA and throughout Asia.



2,500

Angus breeding cows

300

Heifers

**4,750** 

Rearing/finishing cattle



**60,000** 

Sheep



### The vision of the Whangara Farms partnership is to be an outstanding agribusiness, delivering on-going sustainable returns.

Whangara Farms is one of New Zealand's leading East Coast farms, producing an economic farm surplus (operating profit) of NZ \$380 per hectare in 2016; which is a NZ \$300 increase over 2007 figures. This is also around 60% higher than other farms benchmarked in the region (Beef + Lamb New Zealand economic service).

With support from <u>Beef + Lamb New Zealand</u>, McDonald's and <u>Silver Fern Farms</u>, a farming model has been created which measures and benchmarks farm sustainability across key areas of the business (see page 13).

Over the last seven years, NZ \$7 million has been invested in development and infrastructure projects.

Economic farm surplus (operating profit)

\$380

per hectare in 2016

\$300

increase over 2007 figures

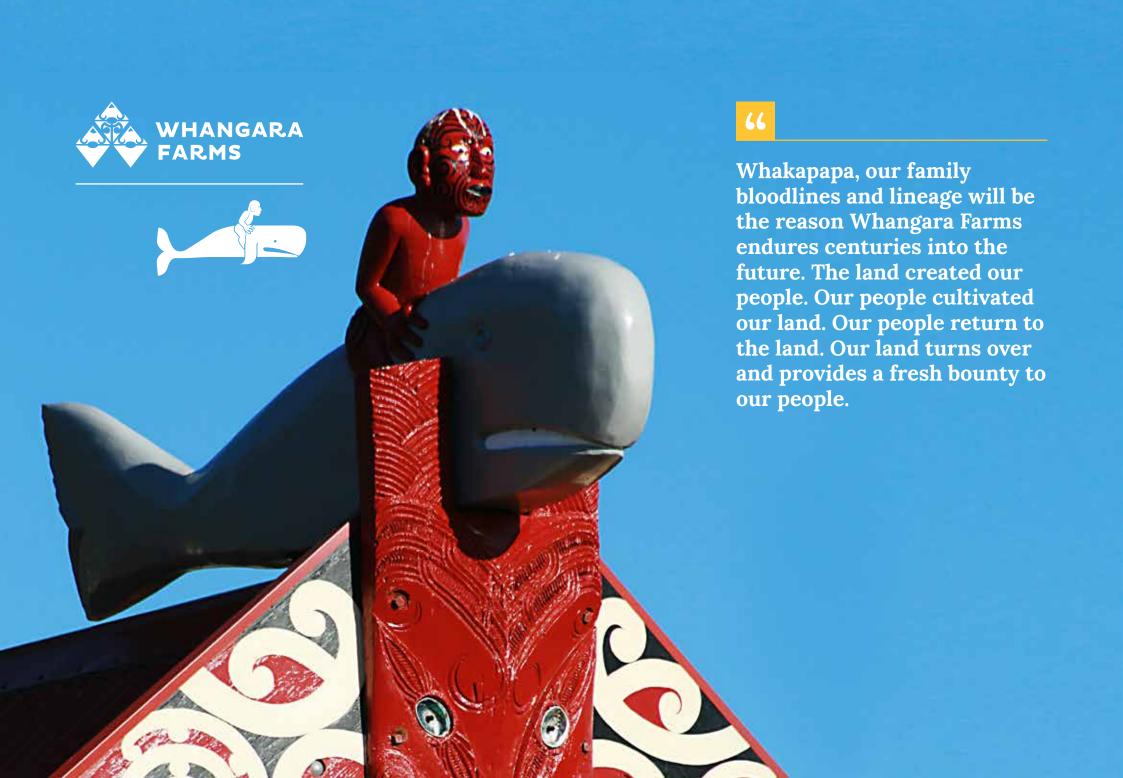
60%

higher than comparable farms in the region

### **Core Values and Goals:**

- Strive to achieve high levels of performance for its family based shareholders
- Do so in a highly sustainable way to protect and enhance its assets and resources for future generations
- Maintain skilled and motivated staff by focusing on training and development, internal succession and long-term opportunities
- Be an innovative, market orientated business — customer focused
- Focus on technology and science
- Develop partnerships with key business experts and advisors to take the farm to the next level
- Benchmark and monitor performance





# Whangara Sustainability Objectives

### **Economics**

- Optimize livestock production and farming operations that achieve an agreed level of profitability
- Create added value for our products through brand recognition
- Financial returns in top 5% of Economic Farm Surplus
- Maintain dividends to shareholders

#### **Environment**

- Effectively utilise our resources in the most sustainable and scientifically based manner
- Efficient business with a reduced environmental footprint

#### **Ethics**

- Create a shared vision and value for our staff
- Develop a highly motivated team

# Whangara Sustainability Priorities

- Implement recommendations from Land Environment Plans
- Improve livestock genetics through artificial insemination
- Optimize pasture productivity via rotational and targeted grazing
- Improve animal health via strategic planning
- Drench efficacy testing to ensure livestock health, welfare and productivity is optimised
- Grow new forages to improve livestock productivity (fodder beet, plantain, clover, lotus etc.)
- Capital investment for the development of troughed water systems, land drainage, fencing, and pasture management
- Improve efficiency of farm and livestock by utilising decision support software for feed budgeting







### **Land Environment Plans**

The Land Environment Plans (LEP) are promoted by Beef + Lamb New Zealand and have been implemented on farm. These plans form the foundation of current land management as well as setting out clear environmental objectives and deliverables for the future.

The LEPs have been identified as key to the future of the farm and business and play a central role in operational and strategic decisions.



## **Key Outcomes & Actions**

- NZ\$250,000 has been budgeted for investment in LEP objectives over the next ten years
- Targeted planting of 3,500 trees per year in areas at risk of erosion
- Fence off all waterways and tributaries to exclude livestock
- Retire 200 hectares of marginal coastal land
- Match available land class with type of livestock



Meeting the Principles of the Global Roundtable for Sustainable Bee















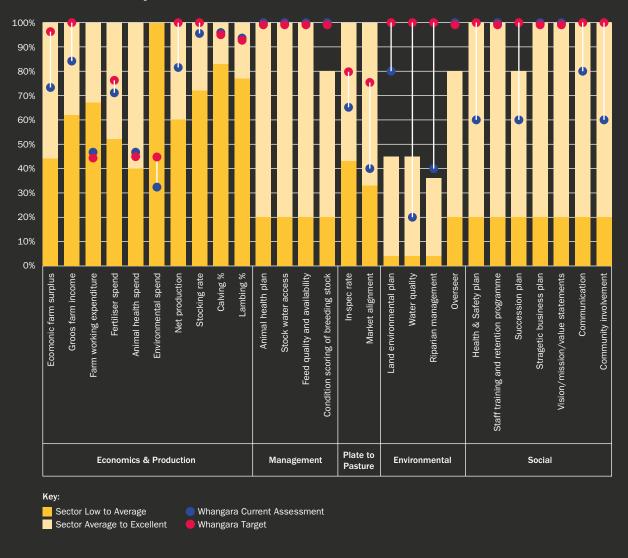
## Benchmarking

Whangara data is annually benchmarked to monitor performance against the Beef + Lamb New Zealand national database. This ensures the farm is operating efficiently and provides opportunities to identify areas for improvement.

Through support provided by Beef + Lamb New Zealand, and Silver Fern Farms, Whangara have piloted a farm assessment tool that measures the sustainability of the farming enterprise. The aim is to provide visibility and transparency to the customer which demonstrates the sustainability of the beef produced.

The model captures the goals and aspirations of Whangara farms and is driven by on farm measurement and reporting enabling a balance between investment, production, efficiency and financial goals.

## **Sustainability Assessment Tool**





# Actions





1

Land Environment Plan has identified areas on farm where there is a high risk of erosion and land slip 2

3,500 trees are being planted in these areas to help stabilize the soil and protect the land 3

A tree nursery has been established on farm which will produce all Whangara's annual tree requirements



## Actions







All cattle have electronic identification tags for traceability purposes and monitoring of individual animal performance which is collated and reported via farm management software



Comprehensive staff training is undertaken to develop employee skills and knowledge, providing opportunities for promotion and succession within the business



A focus on Health and Safety has created a safe working ethos and environment which protects the wellbeing of staff, contractors and visitors



The matrix below has been developed to help visualise the complexities of addressing sustainability. It demonstrates how each farming business is unique and how their environment, land, business, and vision shapes and defines the priorities for each of them to meet the challenges ahead.

### The Whangara Sustainability Matrix

