



At a glance

EnviroStrat with its partners have developed and are piloting regenerative ocean farming projects in NZ. GreenWave Aotearoa is a commercial pilot aimed at the creation of a sustainable, end to end seaweed supply chain utilising a high impact, farmer centric model.

Who's involved

Project Lead: EnviroStrat

Partners: Premium Seas, Ngāi Tai ki Tāmaki, University of Waikato, University of Auckland, AgriSea,

Initial Funding Partners: Auckland Council, Bay Trust, Foundation North, and The Tindall Foundation

Ongoing Investors: Ministry for Primary Industries - SFFF Fund, Philanthropy, Private Capital

CEO: Dr Nigel Bradley

Director of SI: Eddie Christian



Natural resource sector advisor and impact investment project developer



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IMPACT OPPORTUNITY

Environmental	Cultural	Social	Economic
Provision of ecosystem services including water quality and biodiversity improvement.	Use Mātauranga Māori (traditional knowledge)	Small business ownership and wealth creation	Direct employment growth potential in region (on farm & processing)
Increase in biodiversity by 4x in local habitats	Māori employment in aquaculture	Productive training and employment opportunities	Creation of a new commercially viable supply chain with further growth opportunities
CO2 & Nutrient sequestration from farmed seaweed.	Enhance Mauri (wellbeing & vitality of coastal waters)	Enable rapid scaling post-pilot	Bridging the financial gap for RO farmers

INVESTMENT OPPORTUNITY

In 2021, EnviroStrat, along with its partners, commenced an ambitious \$5.3M, 3-year pilot project to prove and enable commercial-scale seaweed farming in NZ by adapting GreenWave's farming model for the NZ context. At the heart of this regenerative ocean farming model are profitable independent marine farmers from local communities that build economic and social resilience for their communities.

The pilot focuses on the identification of the optimum growing environment, hatchery development, planting techniques and harvesting processes. In September 2022, GreenWave Aotearoa delivered its first out-planting at scale of hatchery-grown Ecklonia radiata seaweed.

As the pilot concludes, there is an opportunity to invest in supporting the expansion of supply through co-investment in farms and increasing value by new product development and ensuring a secure & sustainable supply of NZ seaweeds to manufacturers.

OUTLOOK

Future Plans and Targets

by 2026 - 250 farms

Impact of:

3,248,180 linear metres of seaweed

45,360 kgs carbon* and 3,628 kgs nitrogen*

Projected IRR and Investment Horizon

Target IRR of 8-11% on a 15-year investment horizon