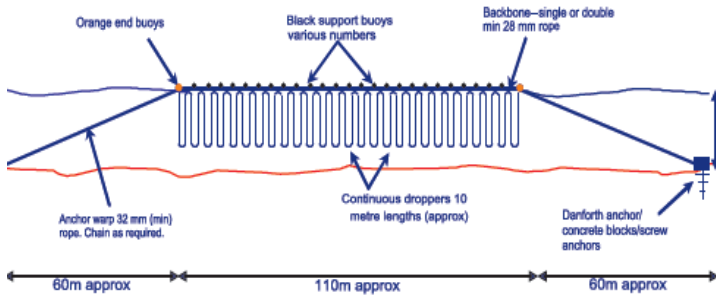


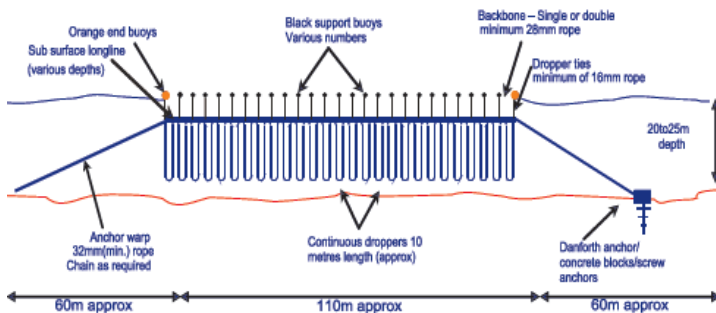


Example of what a Mussel Farm looks like under the water

Cross-section of a surface longline marine farm



Cross-section of a sub-surface longline marine farm



Major Aquaculture areas in New Zealand

Northland

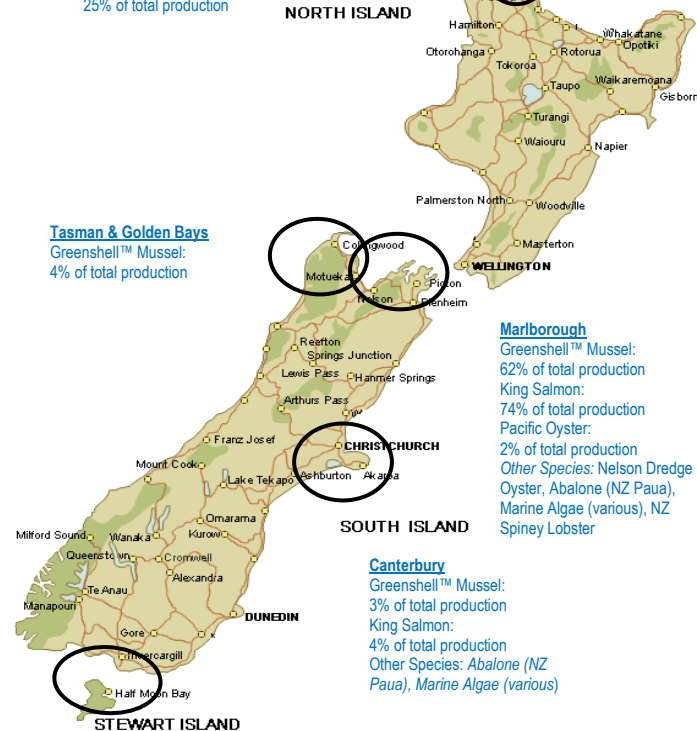
Pacific Oyster:
53% of total production

Coromandel

Greenshell™ Mussel:
24% of total production
Pacific Oyster:
20% of total production

Auckland

Greenshell™ Mussel:
3% of total production
Pacific Oyster:
25% of total production



Tasman & Golden Bays

Greenshell™ Mussel:
4% of total production

Marlborough

Greenshell™ Mussel:
62% of total production
King Salmon:
74% of total production
Pacific Oyster:
2% of total production
Other Species: Nelson Dredge Oyster, Abalone (NZ Paua), Marine Algae (various), NZ Spiny Lobster

Canterbury

Greenshell™ Mussel:
3% of total production
King Salmon:
4% of total production
Other Species: Abalone (NZ Paua), Marine Algae (various)

Southland

Greenshell™ Mussel:
4% of total production
King Salmon:
22% of total production
Other Species: Foveaux Dredge Oyster

Aquaculture in Marlborough

Some Interesting facts and information on Aquaculture



Proudly provided by



Who is the MFA & What do they do?

Marine Farming Association (MFA) is an association its purpose is to, promote, foster, advance, encourage, aid and develop, the rights and interests of its members, and the marine farming industry in general.



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"In your community since 1973"

Marine Farming Facts

- Mussels are filter feeders, meaning they literally filter their food from the sea by pumping the water through their gills. A typical mussel filters 360 litres of water per day
- New Zealand Greenshell™ Mussels are the single largest seafood export with an export value of NZ \$218.1 million in 2011
- New Zealand Greenshell™ Mussels will grow in water temperatures between 12° and 24°C, thriving in most temperatures between 16° to 19°C
- The mussel spat has a foot which allows it to move over surfaces. Once the mussel finds a suitable site, fluid is shot down the groove in the foot and solidifies on contact with the sea water, anchoring the mussel in place
- The Marlborough Shellfish Quality Programme monitors the growing waters for food safety this is at a cost in excess of \$1.0m per annum

- **Number of Farms in Marlborough**
There are 565 operational marine farms in Marlborough (478 Greenshell Mussels, 6 King Salmon sites, a number of mussel spat catching and holding sites and various seaweed, paua and oyster farms)
- **Area Farmed**
2,800ha out of a total of 150,000ha of water space in the Marlborough Sounds, the average farm size is 3.0 hectares
- **Volume of mussel production – Marlborough**
65,000 tonnes per year on average (approximately 70% of New Zealand's production)
- **Volume of Salmon Production**
5,000 tonnes per annum (80% of New Zealand's total production)
- **Export Revenue**
This is estimated at \$230m per annum
Total export revenue for 2010, \$257.1m (\$171.4m mussels, \$85.7m salmon)
- **Location of aquaculture product processing factories**
Picton, Blenheim, Renwick and Havelock
- **Employment**
In the peak season the industry employs approximately 1,000 FTE's (full time Equivalent)
- **Industry Vessels**
There are 30+ harvesters, seeding boats and farm work boats operating in Marlborough

10 Quick Facts

- New Zealand Greenshell™ Mussels are a native New Zealand shellfish
- The Scientific name for Greenshell™ Mussels is Perna canaliculus
- Although no difference in quality of flavor, the colour of the mussel meat varies according to sex. The female is a deep apricot colour and the male, a soft cream colour
- New Greenshell™ Mussels can be grown from seeding to market size in 12 to 18 months
- Local spat catching occurs in Golden Bay and Tasman Bay, and in selected bays in the Marlborough Sounds
- Each three hectare farm would typically have 9 longlines of 100 meters each
- Each longline would support 3500 to 4000 metres of crop line



Some things MFA does for the Community:

- Top of the South Environmental Programme
- Havelock Mussel Festival Sponsor
- Emergency Oxygen "Bottle Stations" in the Marlborough Sounds
- Queen Charlotte College Academy Sponsor
- Scholarship sponsorship in Golden Bay

