

## Part 2: Broadscale fisheries management alignment with customary interests

*Fisheries Management - What, where, who and how?*



Ka hua ki tai - Ka ora ki uta  
a bountiful sea will sustain us

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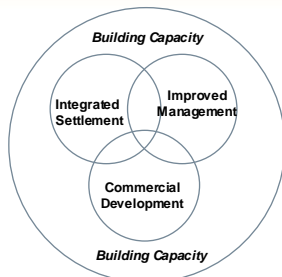
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## KAIMOANA STRATEGY



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## A common basis for management

A co-ordinated and rational approach is needed

- Fisheries are managed at broad scales (FMAs, QMAs)
- Local issues need to be addressed within the broad scale management framework (i.e. QMAs)
- Catch and effort from all sectors is needed to help inform management options

An uncoordinated approach will result in:

- Fishing exdusions or dosures
- Displaced effort
- Cumulative decline in a vailable space and a coess for fishing
- Serial depletion of local fish stocks throughout the broader scale area

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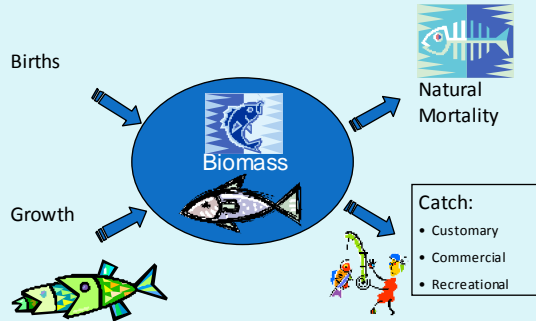
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# Stock Assessment 101



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# How do we manage extraction?



- Fisheries Management Areas
- Relate to non QMS Species
  - Forms the basis for many QMS Areas
  - Also forms the basis for recreational fishing areas
  - Completely unrelated to Iwi or hapu boundaries

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# Fisheries Management

Who and how?



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# Industry

Commercial Fishing



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Blue Cod (BCO)

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Blue Cod (BCO)

Spiny (Red) Rock Lobster (CRA)

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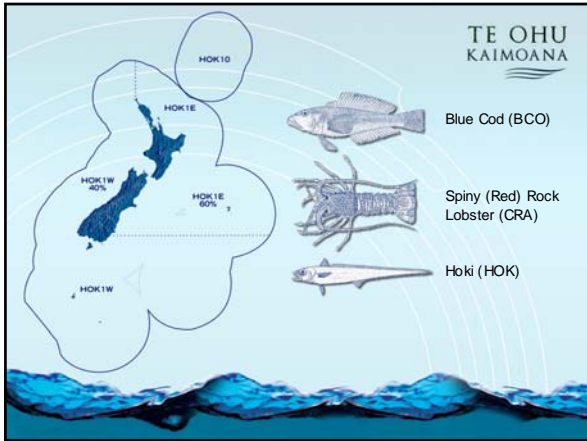
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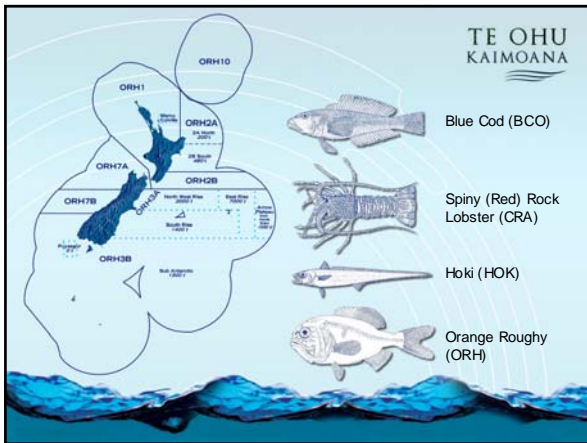
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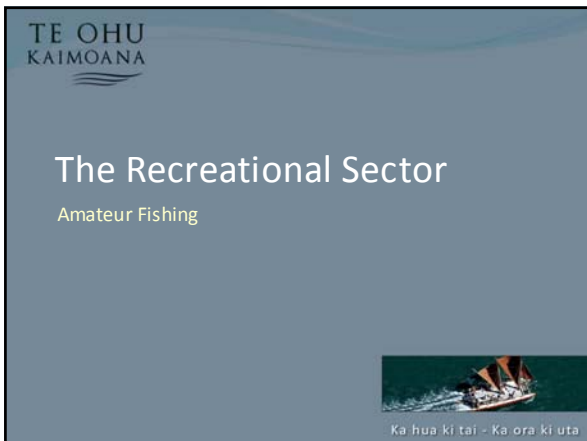
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## Recreational Management Areas

**Central Fisheries Management Area (CFMA)**



**Finfish - Daily limits per person**

- A combined daily bag limit of 20 finfish, consisting of any combination of:
  - Blue cod, Elephant fish, Kahawai, Red gurnard, School shark, Blue moki, Flatfish, Parore, Red moki, Tarakahi, Bluenose, Grey mullet, Porae, Red snapper, Trevally, Butterfish, John Dory, Red cod, Rig
- There is no limit on species not named above.
- Individual limits, over and above the combined bag, apply to:
  - Snapper: a daily bag limit of 10.
  - Groper/Hapuku/bass and kingfish: a combined daily bag limit of 5
  - no more than 3 kingfish.
  - Freshwater eels: a daily bag limit of 6.

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## Iwi / Maori

Customary Commercial Fishing  
Customary non-commercial Fishing  
Fishing under the Amateur Regulations



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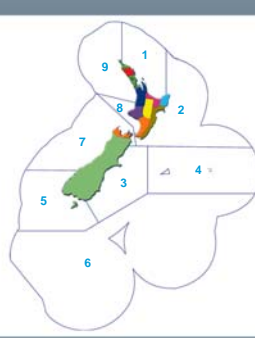
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## Iwi quota based on the QMS



- Taitokerau
- Nga Puhi
- Tainui
- Mataatua
- Te Arawa Waka
- Porourangi
- Hauauru
- Takitimu
- Te Moana o Raukawa
- Waipounamu / Rekohu

Ka hua ki tai - Ka ora ki uta  
a bountiful sea will sustain us

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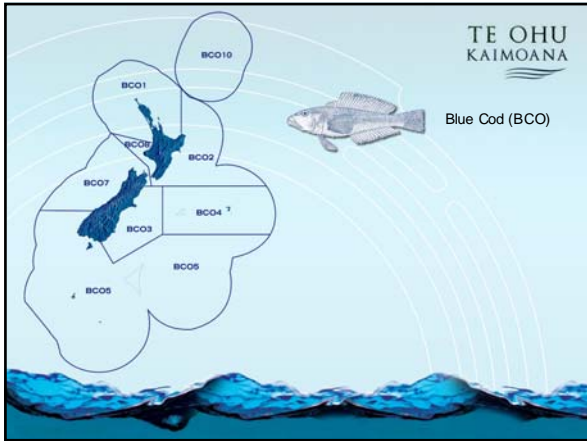
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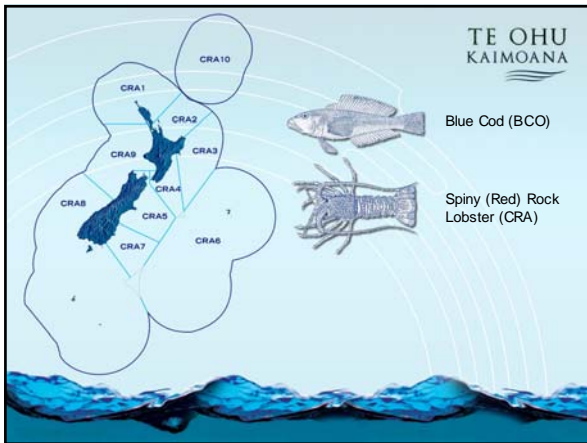
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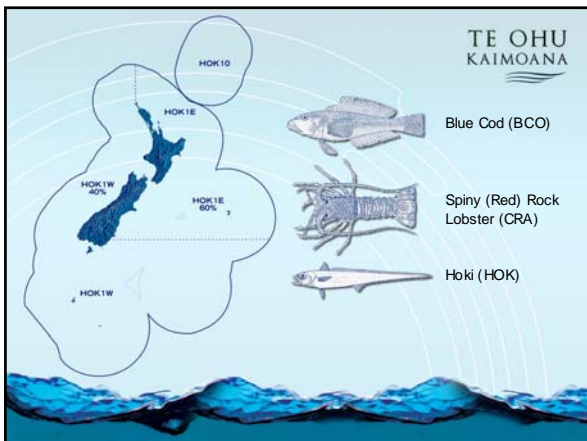
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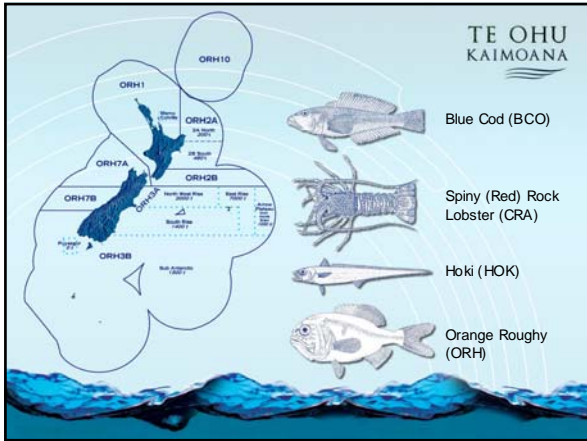
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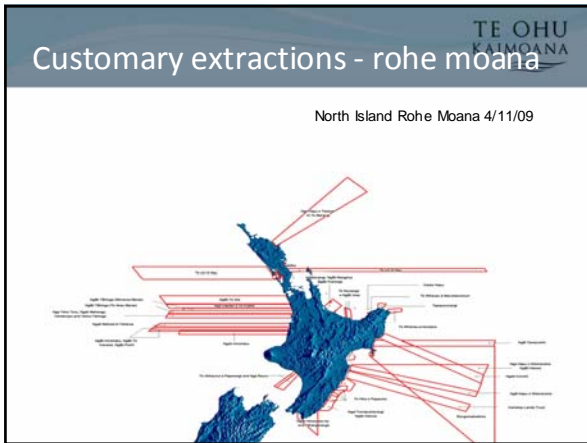
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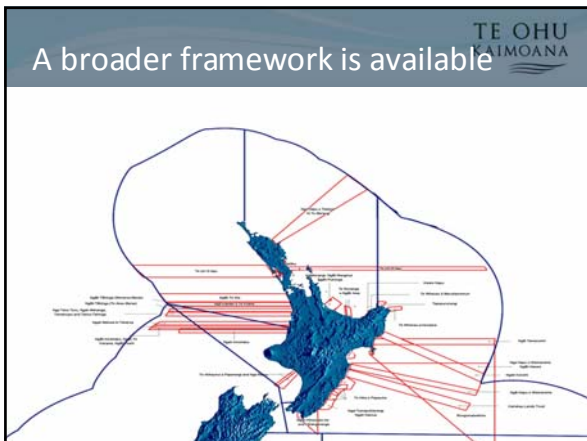
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## Flexibility

- The current framework can be made more flexible than it appears by having iwi agree to collaborate over a broad area
- There is ability to overlay additional rohe moana provided others do not object
- There is the ability to agree to zones where different kaitiaki issue permits
  - Near shore
  - Distant

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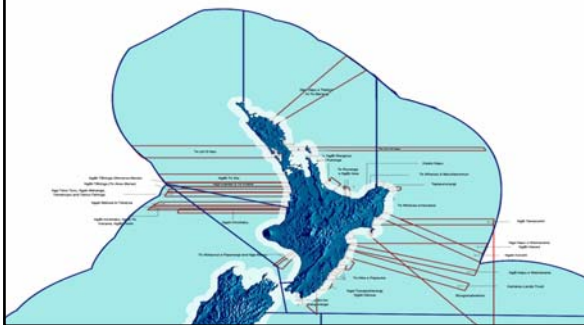
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## Territorial Sea - 12 Nm



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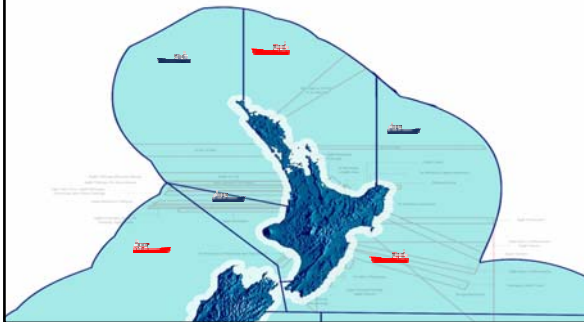
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## Exclusive Economic Zone - 200 nm



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## Summary of Questions

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- Do you agree with the description of the problems?
- Are there other problems in your region that need to be addressed?
- What do you think of the suggestion of collaborating over a far broader scale for non-commercial interests to enable effective integration?
- Do you have any lessons to share with us on achieving integration?

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## Kaimoana Strategy Workshop



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a bountiful sea will sustain us all

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End

Ka hua ki tai - Ka ora ki uta

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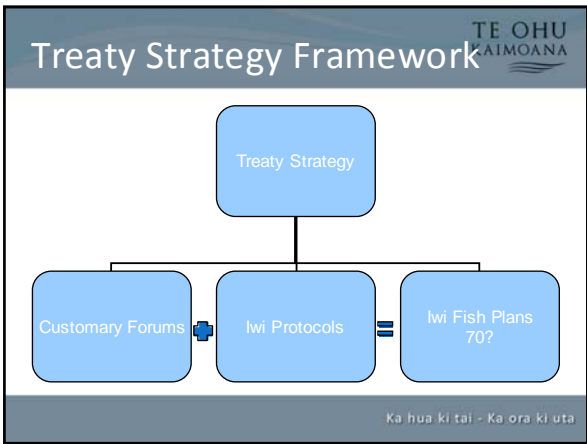
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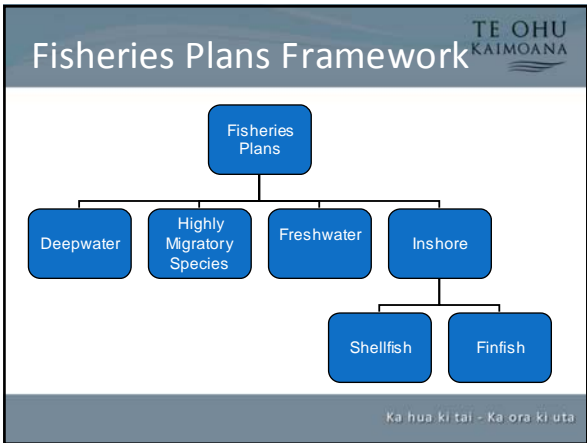
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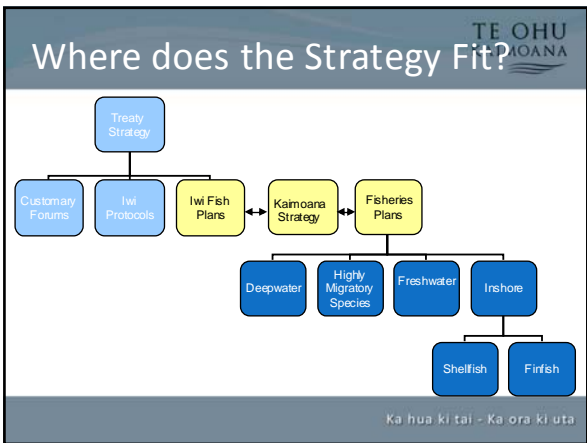
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## Objectives?

- Next step once Vision and Goals are signed off

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## Objectives?

- Example 1:
- Goal - Align governance structures and management units
  - Objective – Agree on common sets of stocks to be managed by either regional or national groupings
  - Objective – Agree on management structures for each stock grouping consistent with both commercial and non commercial interests in those stocks.

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## Objectives?

- Example 2
- Goal - Supply comparable catch information
  - Objective – Develop and implement information collection systems to record levels of catch (i.e. collect data)

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## Objectives?

- Example 3
- Goal - Empower ourselves with information management tools
  - Objective – Develop catch information management system to manipulate and manage catch data
  - Objective – Test different scenarios (using and mix and match approach) to determine the likely outcomes of different scenarios

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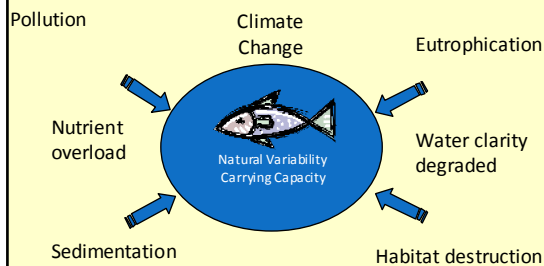
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## Effects on fish stocks are poorly understood and managed



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## Which Species Most Impacted

### Coastal fisheries

1. Soft sediment filter feeding by-valves
  - Cockles
  - Pipies
  - Tūatua
  - Mussels
  - Scallops
2. Rocky reef habitat dependent invertebrates
  - Pūa
  - Rock Lobster
  - Kina
3. Habitat forming species
  - Seagrass
  - Horse Mussels
  - Sponges
  - Mangroves
  - Kelp/sea weed forests
4. Nutrient and trophic linkages disrupted
  - Phytoplankton
  - Zooplankton
  - Small fish
  - Bigger fish

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