



A pathway to restoration - Preserving our future
ocean

Our Objectives

1. Background to the MSP MPA Approach
2. Shared Understanding
3. Strategy and Process
4. MPA through RMA
6. Q and A





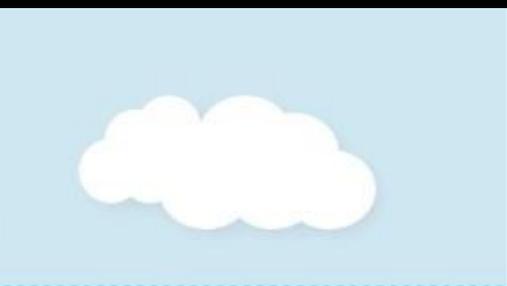


OUR OCEAN COMMUNITY





DID YOU KNOW THAT...
80% OF WASTE
 FLOWS BACK INTO THE RIVERS
 WITHOUT BEING TREATED



WASTE RELEASED
 MAY CONTAIN
 SEDIMENT AND
 HEAVY METALS



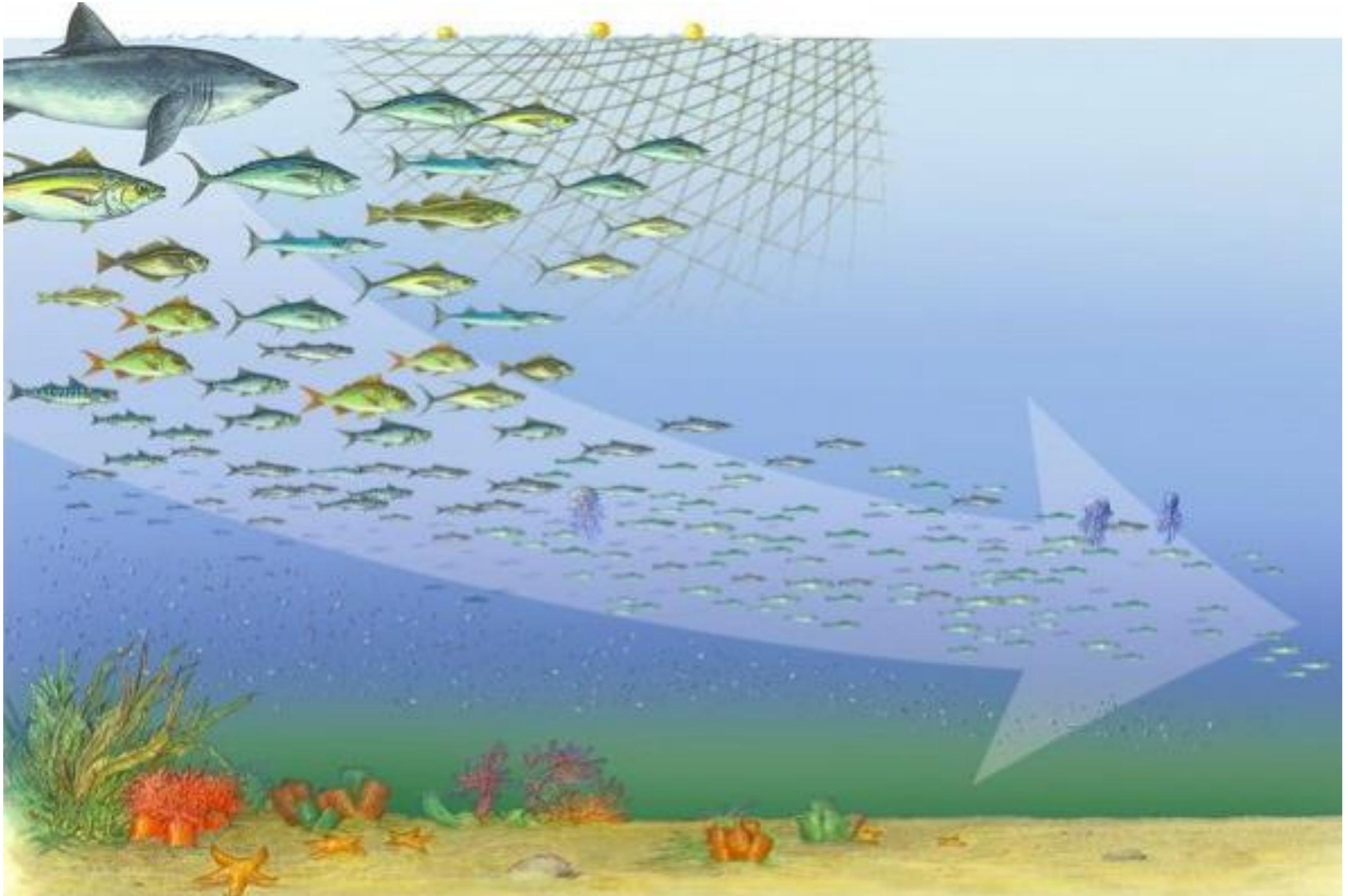
WATERBODIES WITH HIGH
 MINERAL CONTENT ARE HOME
 TO UNIQUE COMMUNITIES.
 THESE MAY HAVE PROPERTIES
 INVALUABLE TO MEDICINE.

LARGE ROBOTS WILL
 CUT AND COLLECT
 MATERIALS REMOVING
 SWATHES OF HABITAT

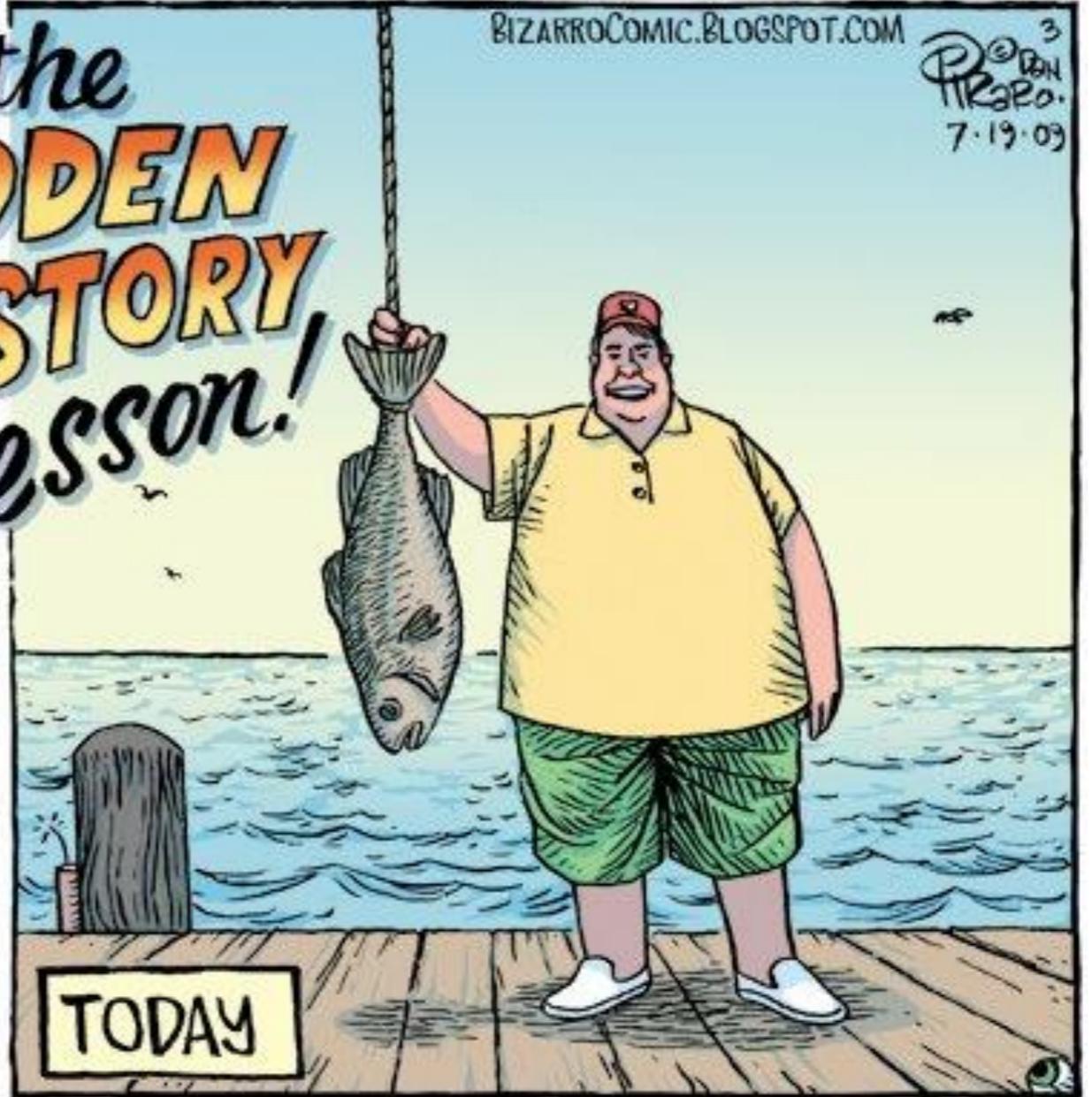
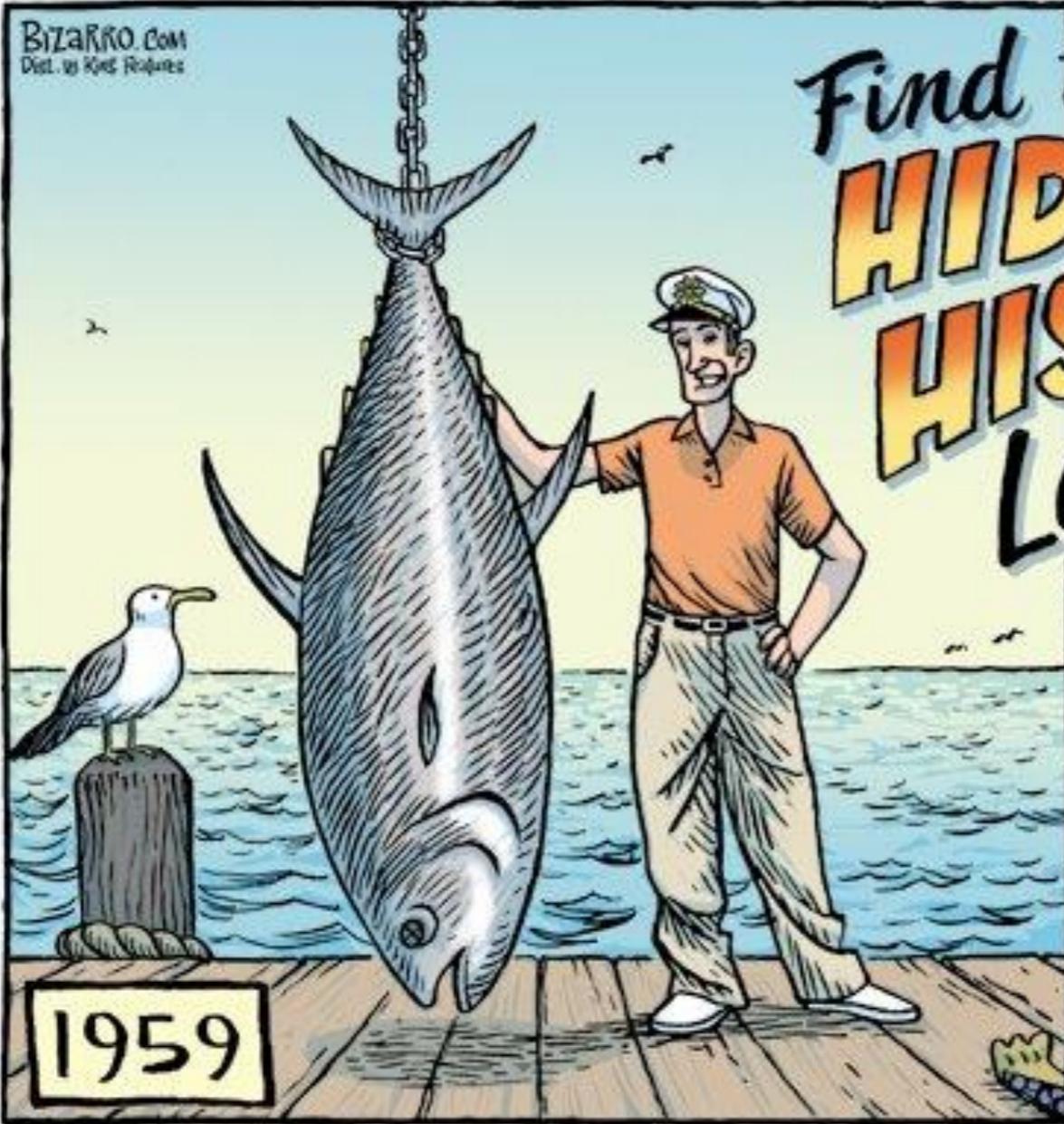
SEDIMENT PLUMES
 WILL SMOTHER
 SENSITIVE SPECIES



Change In Marine Environments



Find the HIDDEN HISTORY Lesson!



Reconstruction of New Zealand fisheries [2015]

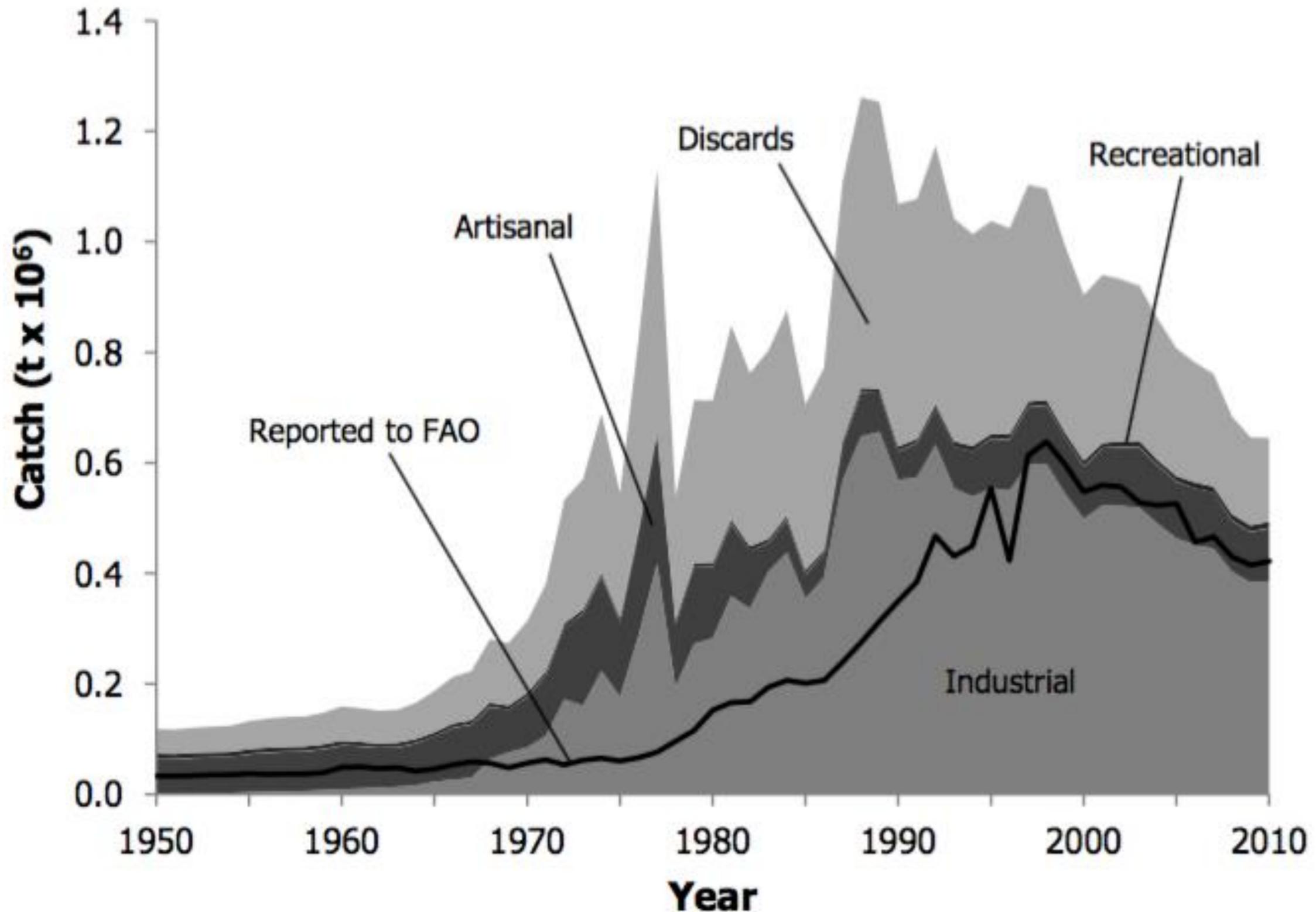
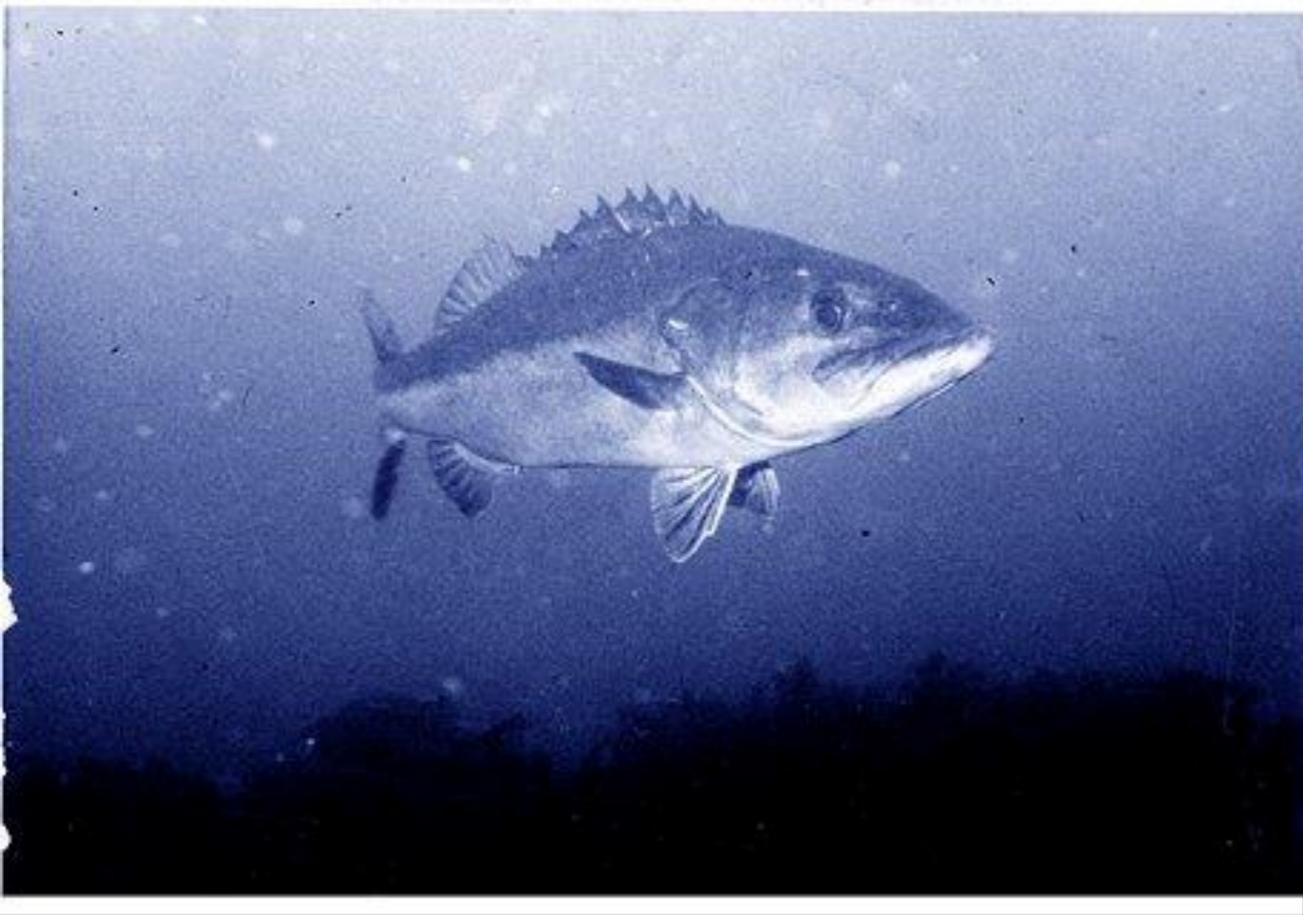


Figure 2. Total reconstructed catch (New Zealand and foreign flagged vessels) showing the contribution of each sector and fish discards. Subsistence sector catch is too small to appear on this chart. The solid line represents total landings reported by the FAO on behalf of New Zealand.



W.Doak 1970's

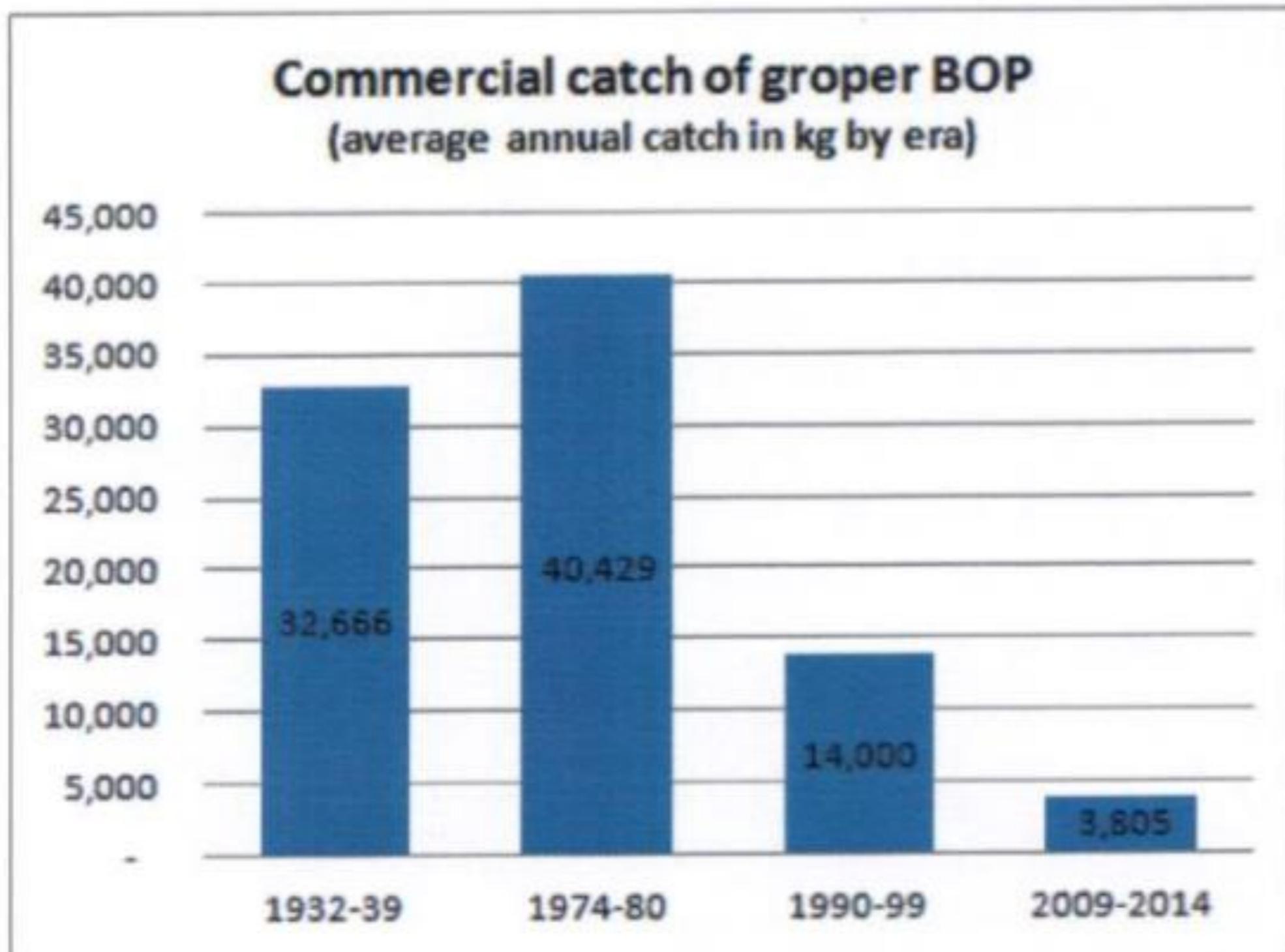


Figure B1. Groper (hapuku/bass) commercial landings at the Port of Tauranga (1930s & 1970s) and estimated catches from FSA009 (1990s onward) in the Bay of Plenty.

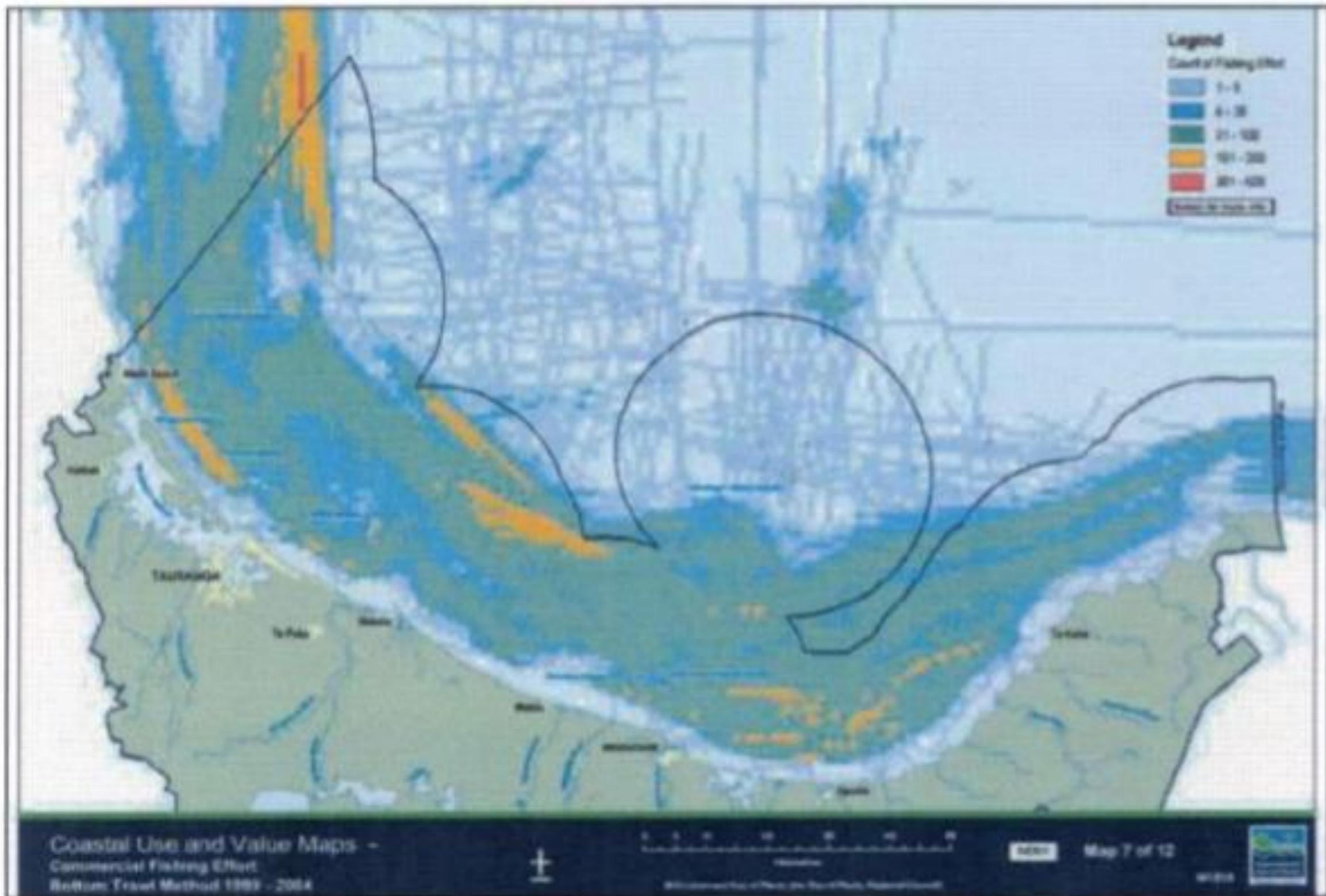
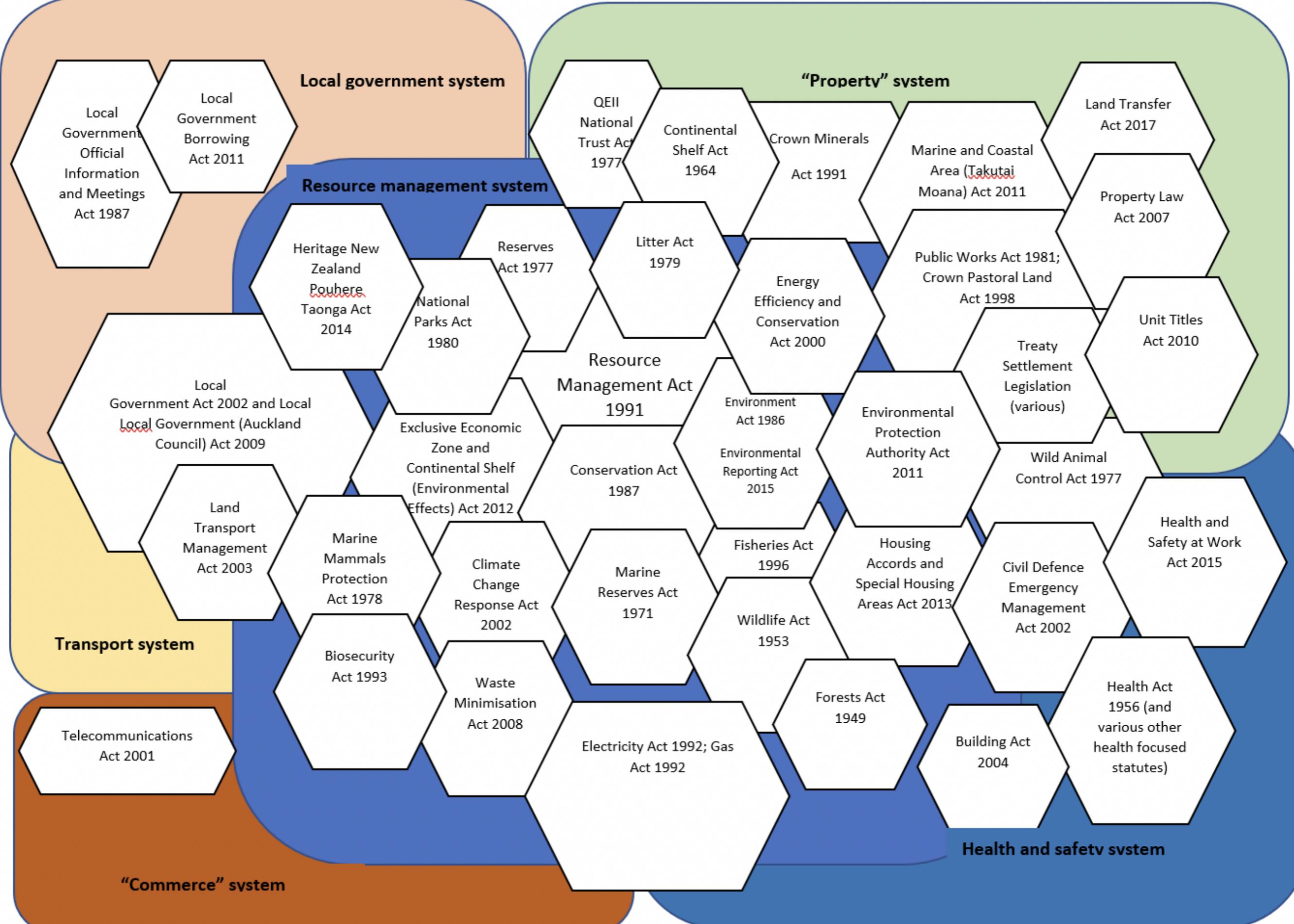


Figure A3 Distribution of bottom trawl effort, Bay of Plenty 1999-2004

(Source: <http://www.boprc.govt.nz/media/306908/aquaculture-map-07-bottomtrawl.pdf>)

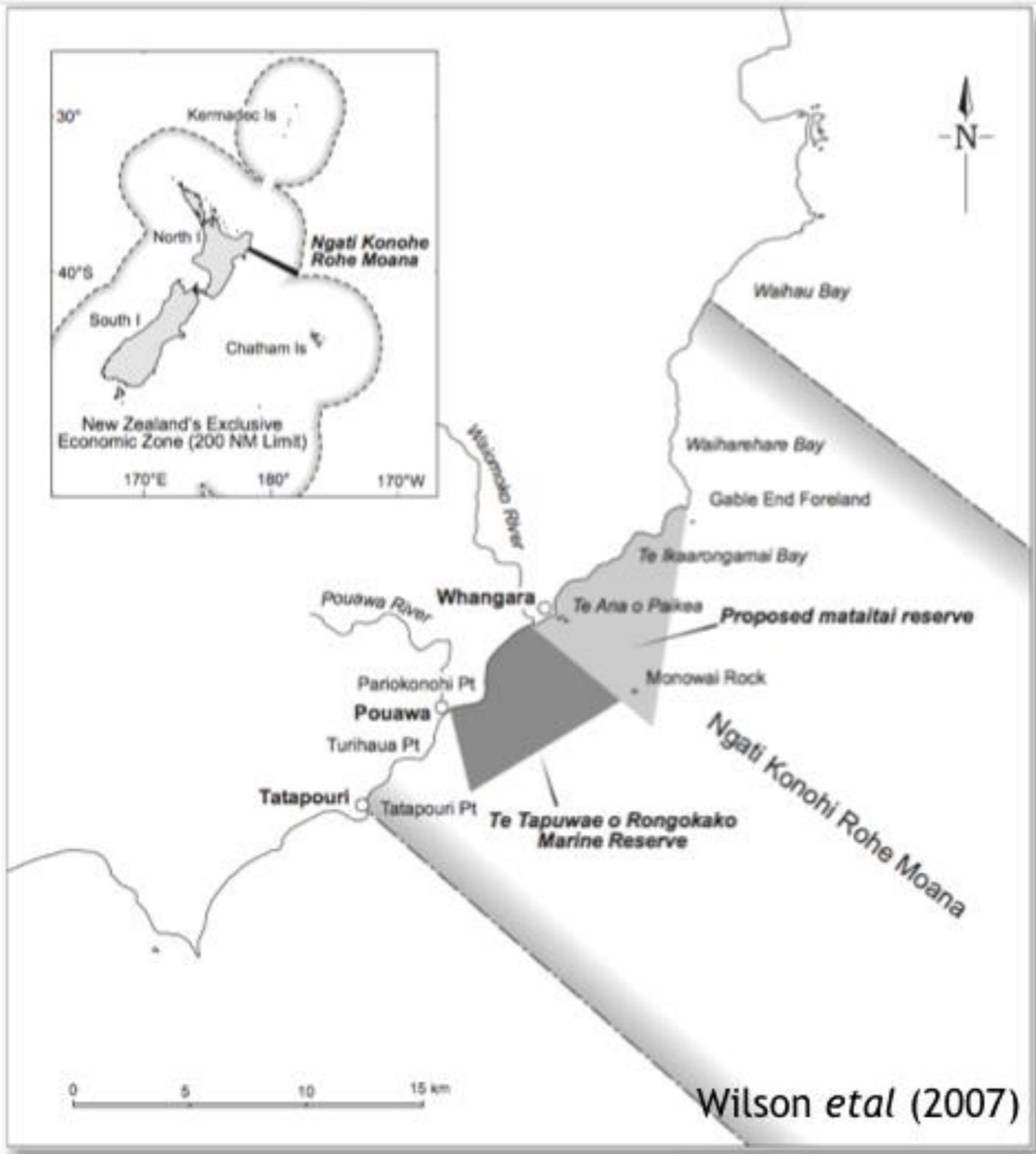


What Governs Our Marine Environment

Marine area has been around these main statutes

- Fisheries Act
- Marine Reserves Act
- Wildlife Act
- Marine Mammal Protection Act
- Conservation Act
- Resource Management Act
- Petroleum and Minerals Act
- Takutai Moana Act
- EEZ Act
- Marine protection Area Act**

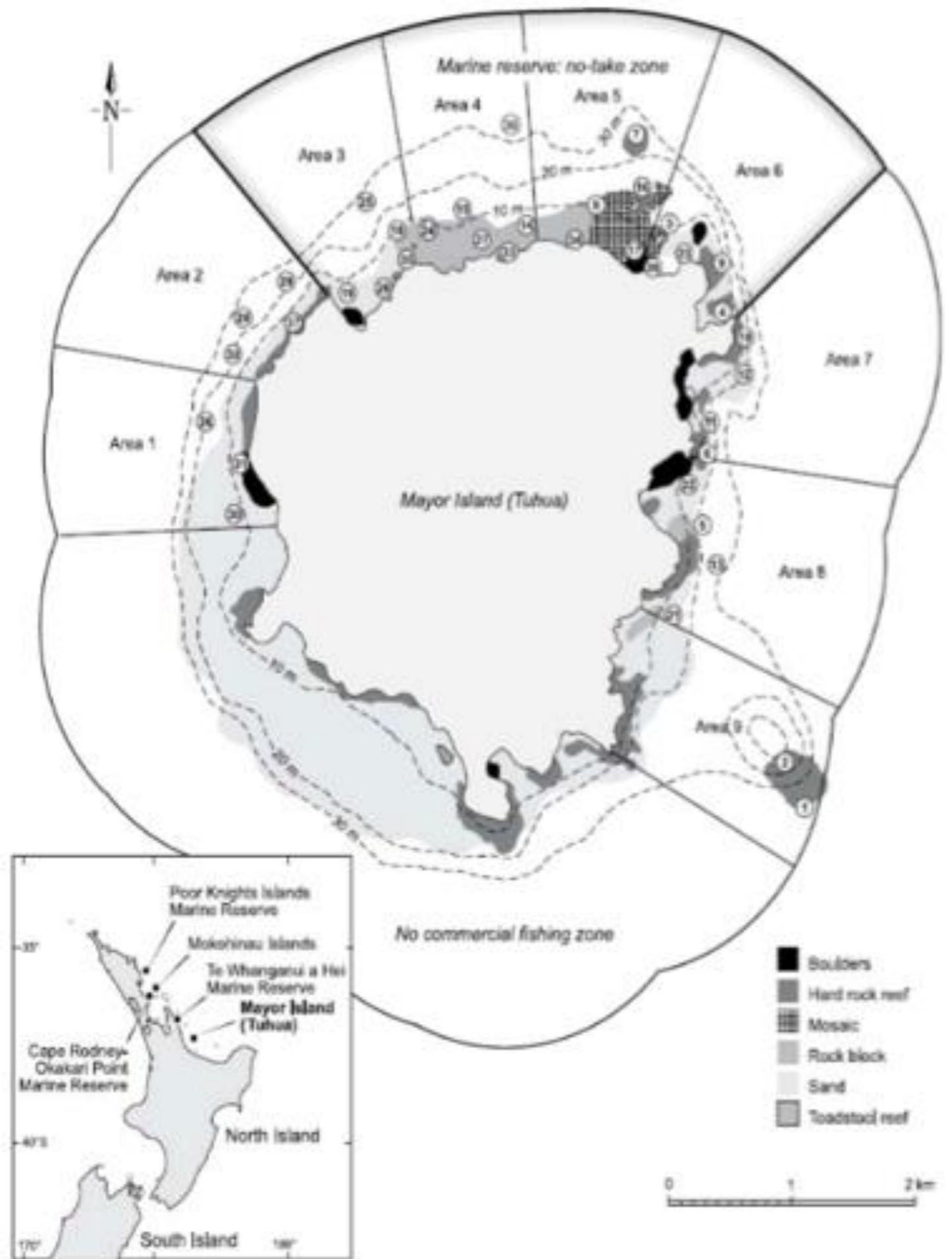




Wilson et al (2007)



Morrison & Gregor (2012)



SAVE ASTROLABE REEF

EXHIBITION / FUNDRAISER / AWAENESS RAISER OF TEMPORARY CLOSURE APPLICATION



ZEUS GALLERY - 35 Chapel St (cnr Marsh and Chapel st)

7-10pm Thursday 10 March

Open tender

To allow the continued restoration and healing of the reef after the Rena
Create a basket in the bay for everyone to enjoy in the future.

The exhibition will be a selection of photographic print and artworks sold by
open tender with the proceeds going towards marine protection.



HARRISON FRAMES



ZEUS GALLERY
PICTURE FRAMING ART SPACE

FA s186 Decline

- s186A could not provide for values outside of the purpose Fisheries Act
- We then took an **RMA Declaration 2015** to empowering the Regional Authority to protect Community values of the NZCPS, RPS and RMA.
- We won the grounds for;
 - Intrinsic Values
 - Landscape
 - Culture not provided for in the FA
 - Biodiversity and Habitat

MRMT, s186A Application (2015)

J Smith EnvCourt decision (2016)

Limits of the Fisheries Act

- The purpose
 - Only controls fishing activities
- The commercial Stakeholders
- The customary Regs
- Recreational Regs
- It can not express values beyond its purpose.

Figure 1: Reported commercial landings for the SNA1 stock

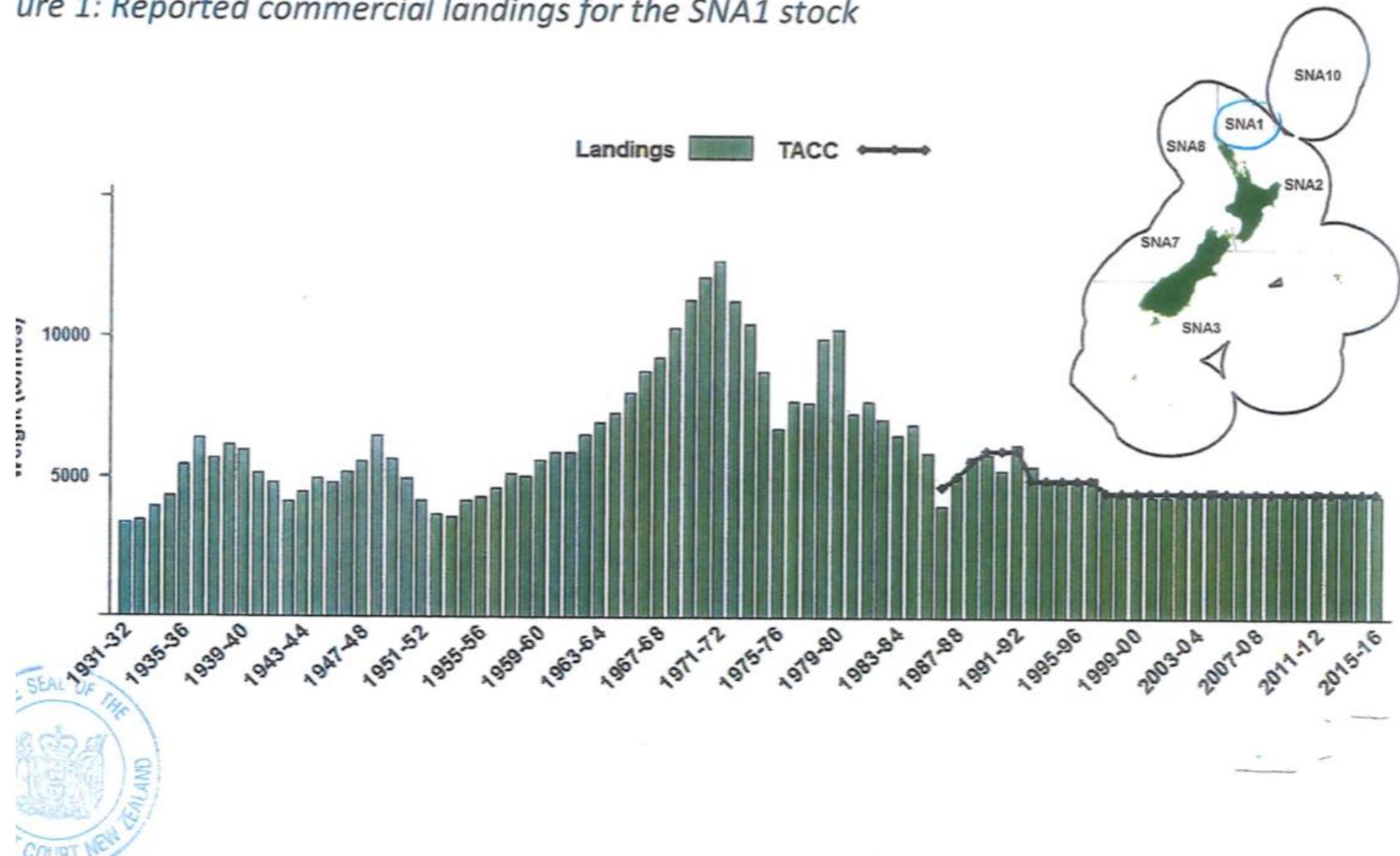
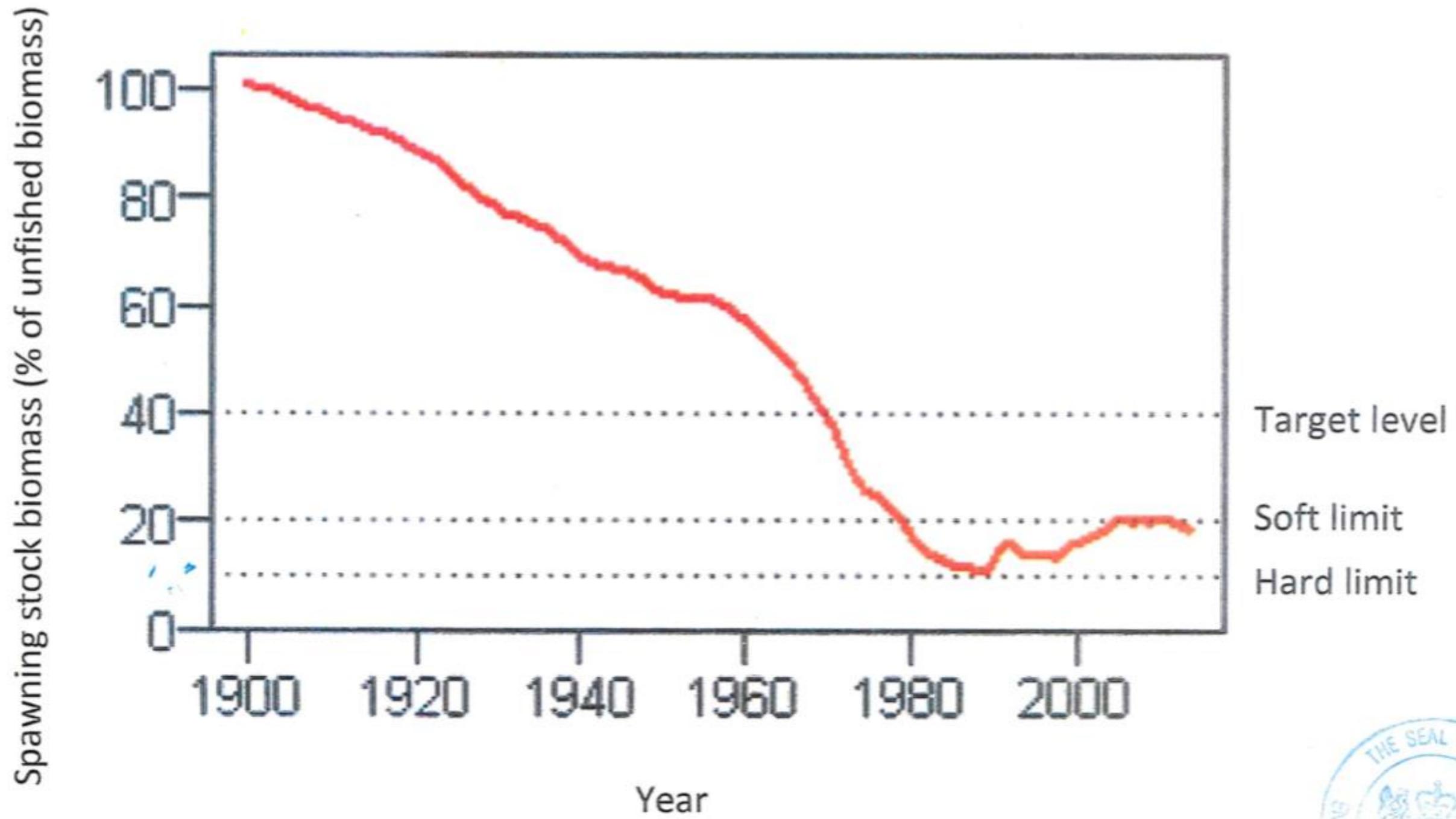
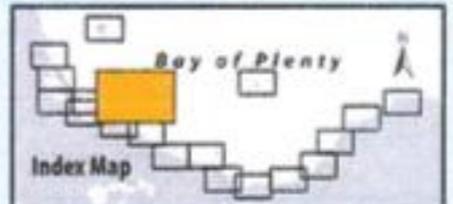
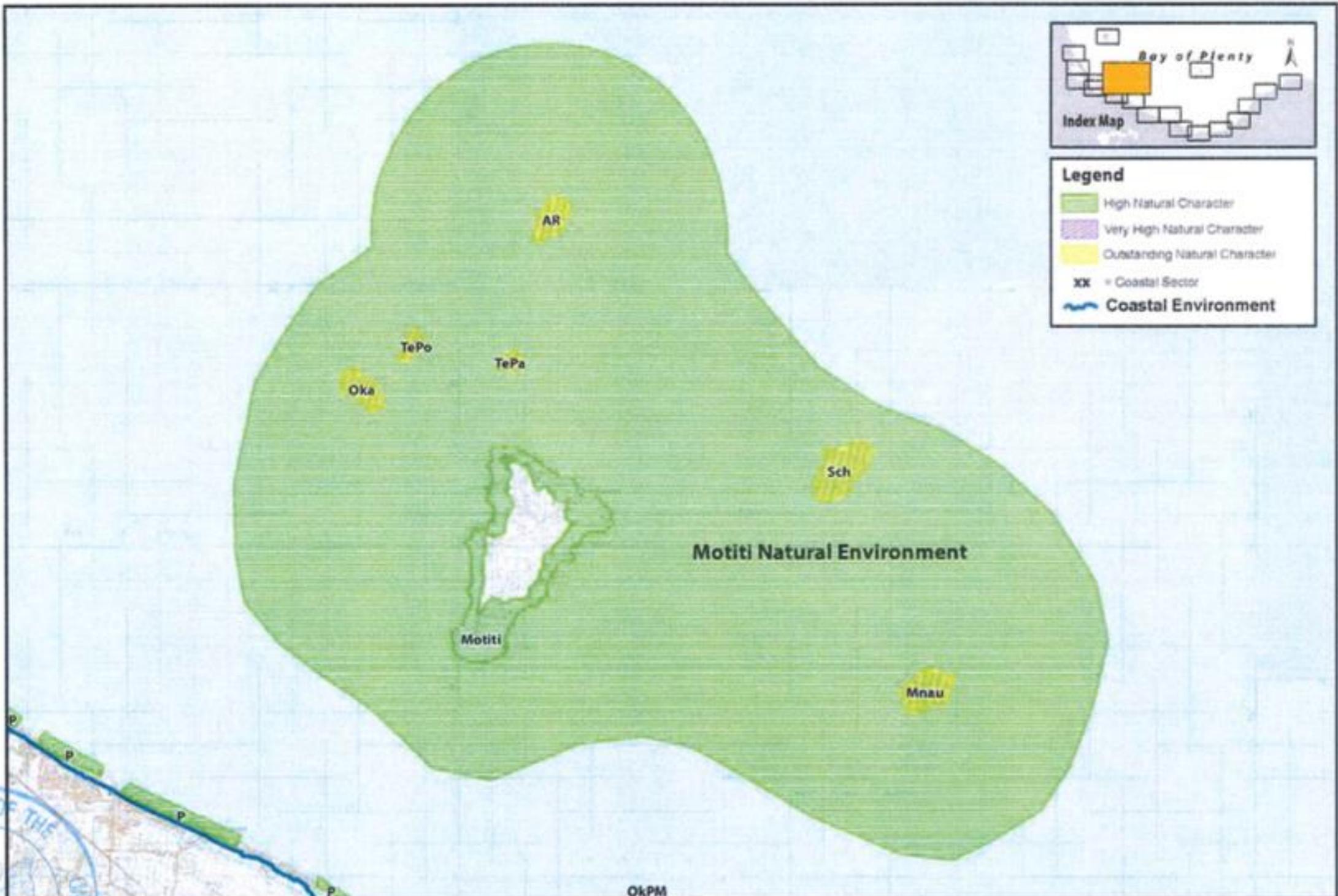


Figure 2: Trajectory of SNA1 abundance (1900- Present) from 2015 stock assessment model



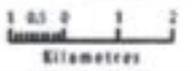


Legend

- High Natural Character
- Very High Natural Character
- Outstanding Natural Character
- XX** = Coastal Sector
- Coastal Environment



Scale = 1:160000



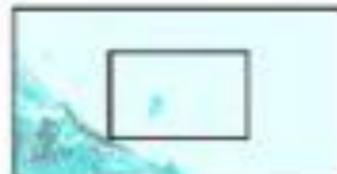
REGIONAL POLICY STATEMENT (GIS-458847, December 2014) **Map 21a of 35**

Coastal Environment & Natural Character

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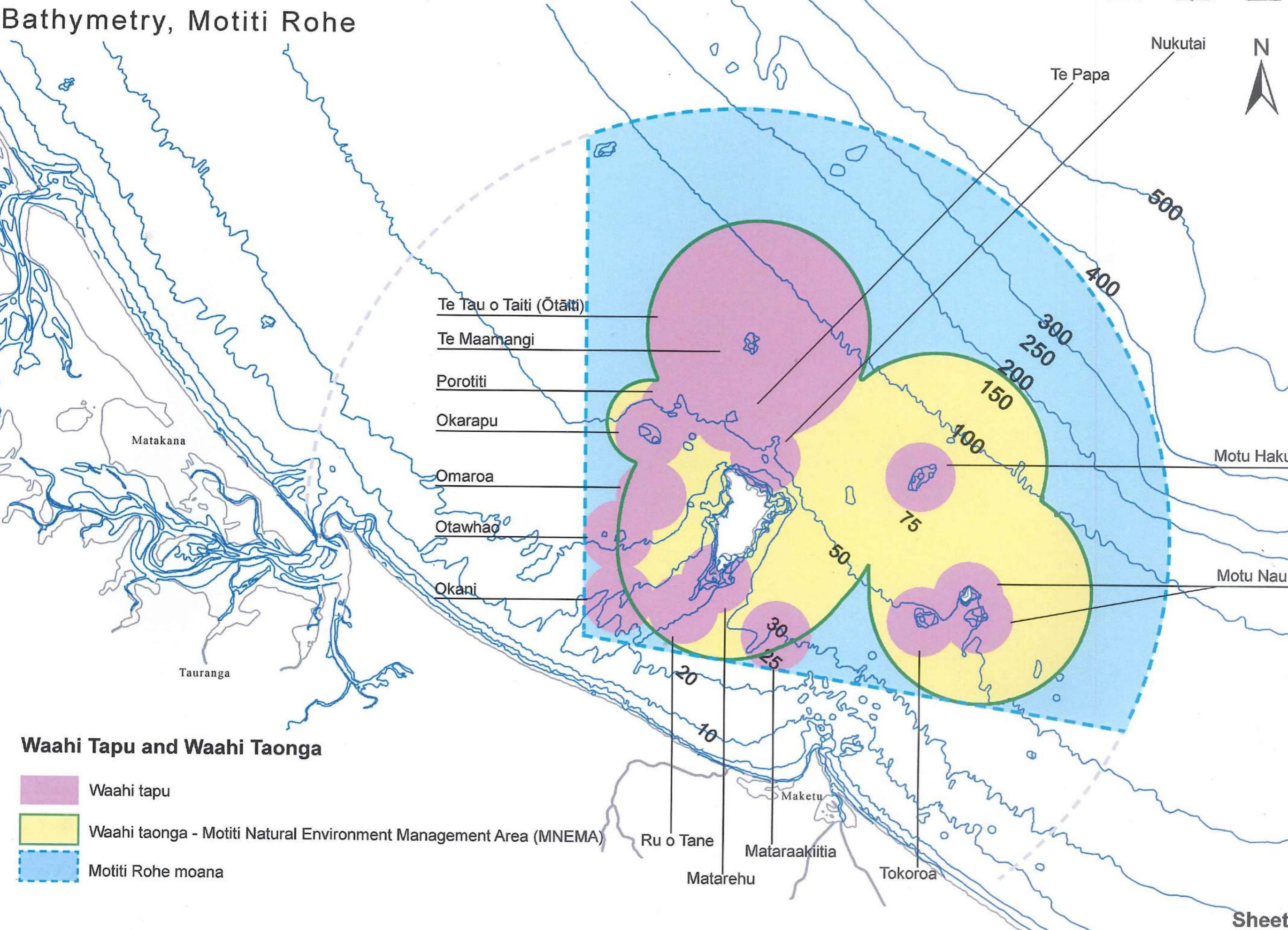
Attorney General v Trustees of the Motiti Rohe Moana Trust [2017] HC

- Court held control of fishing was permissible under the RMA to manage effects not subject to FA control, e.g:
 - intrinsic values,
 - wahi tapu,
 - navigation,
 - natural landscape
 - maintain indigenous biodiversity
- these likely fall outside the injunction against Councils control over fisheries resources: s.30(2) RMA.



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Bathymetry, Motiti Rohe



Waahi Tapu and Waahi Taonga

- Waahi tapu
- Waahi taonga - Motiti Natural Environment Management Area (MNEMA)
- Motiti Rohe moana

BEFORE THE ENVIRONMENT COURT
I MUA I TE KOOTI TAIAO O AOTEAROA

Decision No. [2018] NZEnvC 067

IN THE MATTER of the Resource Management Act 1991
AND of appeals pursuant to clause 14 of the First
Schedule to the Act
BETWEEN MOTITI ROHE MOANA TRUST
(ENV-2015-AKL-134)
NGĀTI MĀKINO HERITAGE TRUST
(ENV-2015-AKL-140)
AND NGĀTI RANGINUI IWI INCORPORATED
SOCIETY
(ENV-2015-AKL-141)
Appellants
AND BAY OF PLENTY REGIONAL COUNCIL
Respondent

Court: Environment Judge JA Smith
Environment Judge DA Kirkpatrick
Environment Commissioner ACE Leijnen
Environment Commissioner SK Prime
Environment Commissioner M Pomare

Hearing: at Mount Maunganui, 27 November to 1 December and
4-7 December 2017

Appearances: RB Enright and RG Hazen for Motiti Rohe Moana Trust (MRMT) and
Royal New Zealand Forest & Bird Protection Society Inc (Forest & Bird)
(s 274 party)
JM Pou for Ngāti Mākino Heritage Trust (Ngāti Mākino), Ngāti Ranginui
Iwi Incorporated Society (Ngāti Ranginui)
MH Hill for Bay of Plenty Regional Council (the Regional Council)
JM Prebble and NC Anderson for Attorney-General for Ministry of Primary
Industries (MPI)
ME Casey QC and SJ Ryan for Lowndes (s 274 party)
VJ Hamm and KJ Jordan for Motiti Avocadoes, s 274 party
Port of Tauranga, Ford Landholdings, Te Tumu Kaituna 14 Trust, and Te
Tumu Landowners Group) abide the decision of the Court
No appearance for Federated Farmers NZ Inc or Department of
Conservation

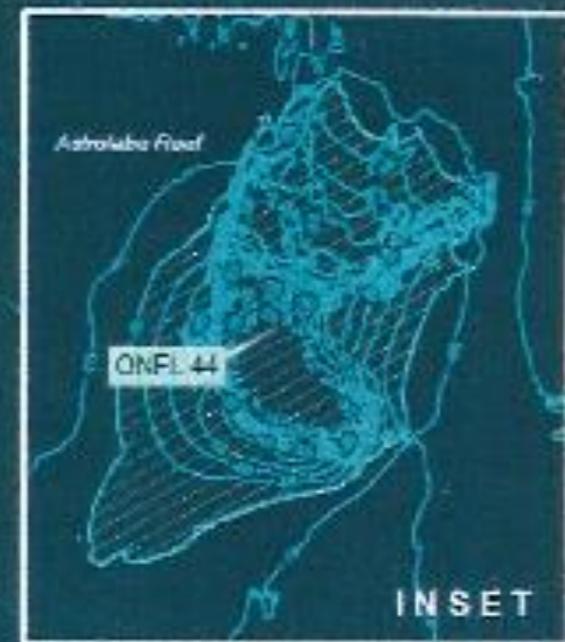
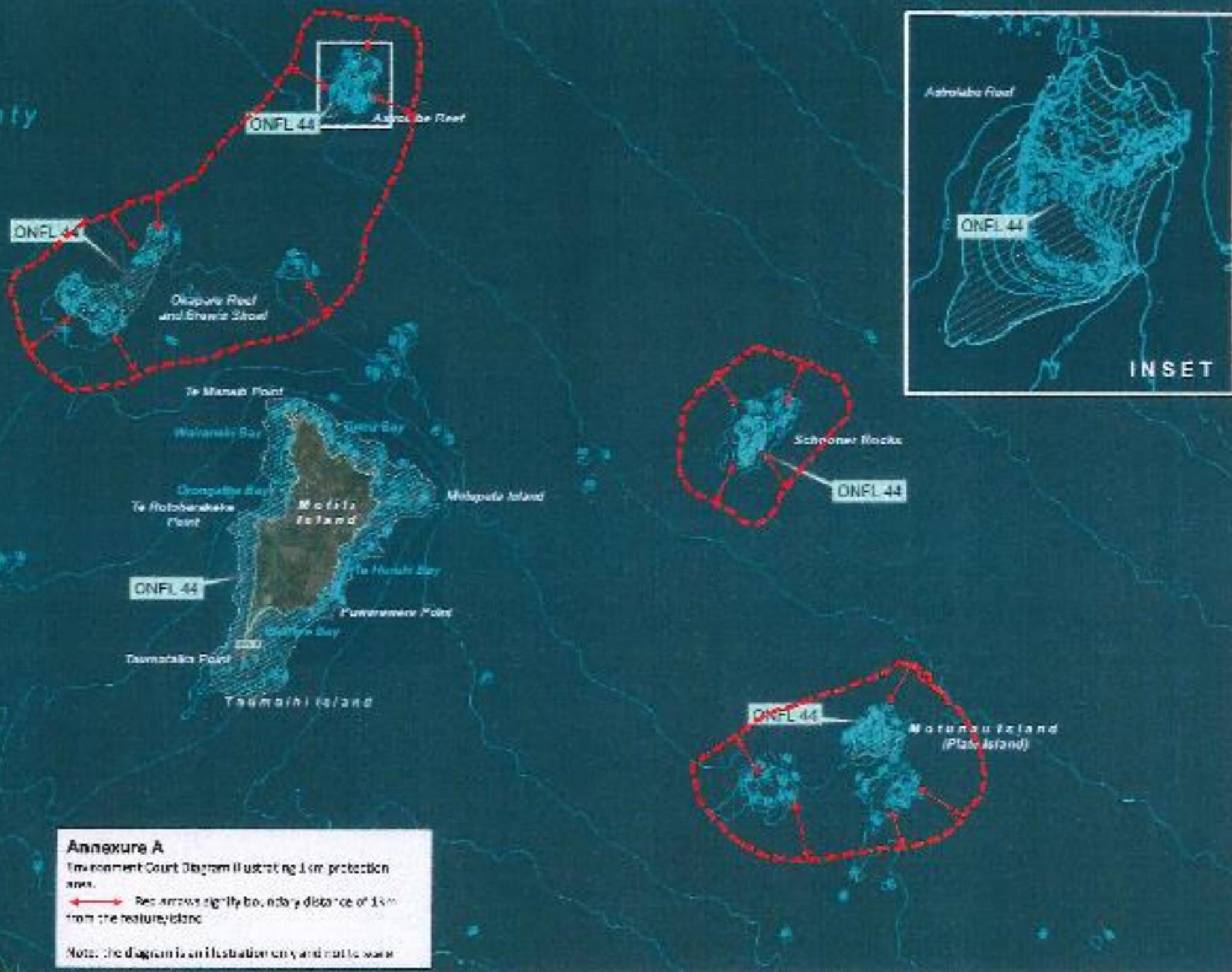






Darryl Torckler (2015)

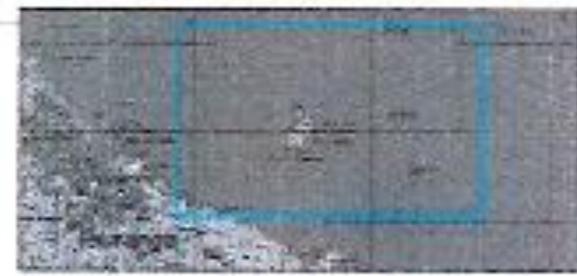
Bay of Plenty



Annexure A
 Environment Court Diagram illustrating 1km protection zones.

Red arrows signify boundary distance of 1km from the feature/island.

Note: the diagram is an illustration only and not to scale.



Proposed Regional Coastal Environment Plan - Landscape

Environment Bay of Plenty

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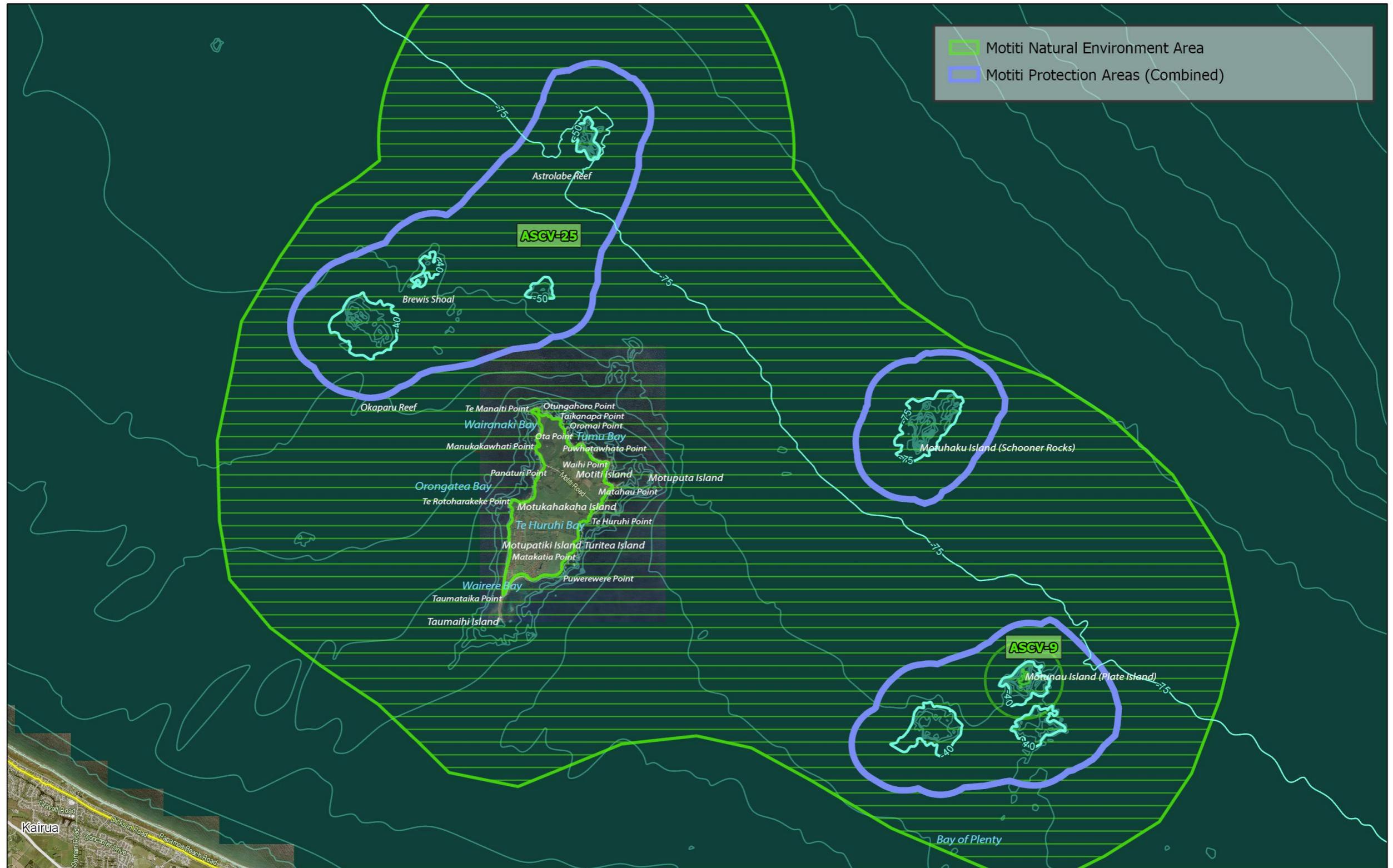
Bay of Plenty Regional Council 2015



43a_Motiti Island

Proposed Regional Coastal Environment Plan - Landscape

Published May 2015
 GIS_459085

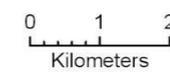


▨ Motiti Natural Environment Area
▭ Motiti Protection Areas (Combined)



Proposed RCEP data as of published date April 2016
Projection Information
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43d_Motiti Natural Environment Area - Motiti Protection Areas



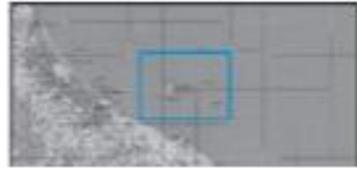
Attachment B



- Motiti Protection Areas
- Point ID
- Motiti Natural Environment Management Area

Motiti Protection Areas as described in latitude and longitude

Protection Area ID	Point ID	Latitude	Longitude
MPA1	1	-37.524206	176.416492
MPA1	2	-37.526889	176.442055
MPA1	3	-37.581453	176.425474
MPA1	4	-37.600719	176.361756
MPA1	5	-37.591381	176.350051
MPA1	6	-37.580159	176.346041
MPA2	1	-37.586617	176.527828
MPA2	2	-37.596707	176.551402
MPA2	3	-37.621452	176.530326
MPA2	4	-37.616305	176.515162
MPA2	5	-37.608026	176.510144
MPA2	6	-37.598403	176.511980
MPA3	1	-37.648364	176.568542
MPA3	2	-37.671950	176.587756
MPA3	3	-37.683320	176.573084
MPA3	4	-37.687466	176.540229
MPA3	5	-37.684779	176.513728
MPA3	6	-37.669504	176.517109



Proposed RCP data as of published date April 2015

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43d Motiti Protection Areas within Motiti Natural Environment Management Area



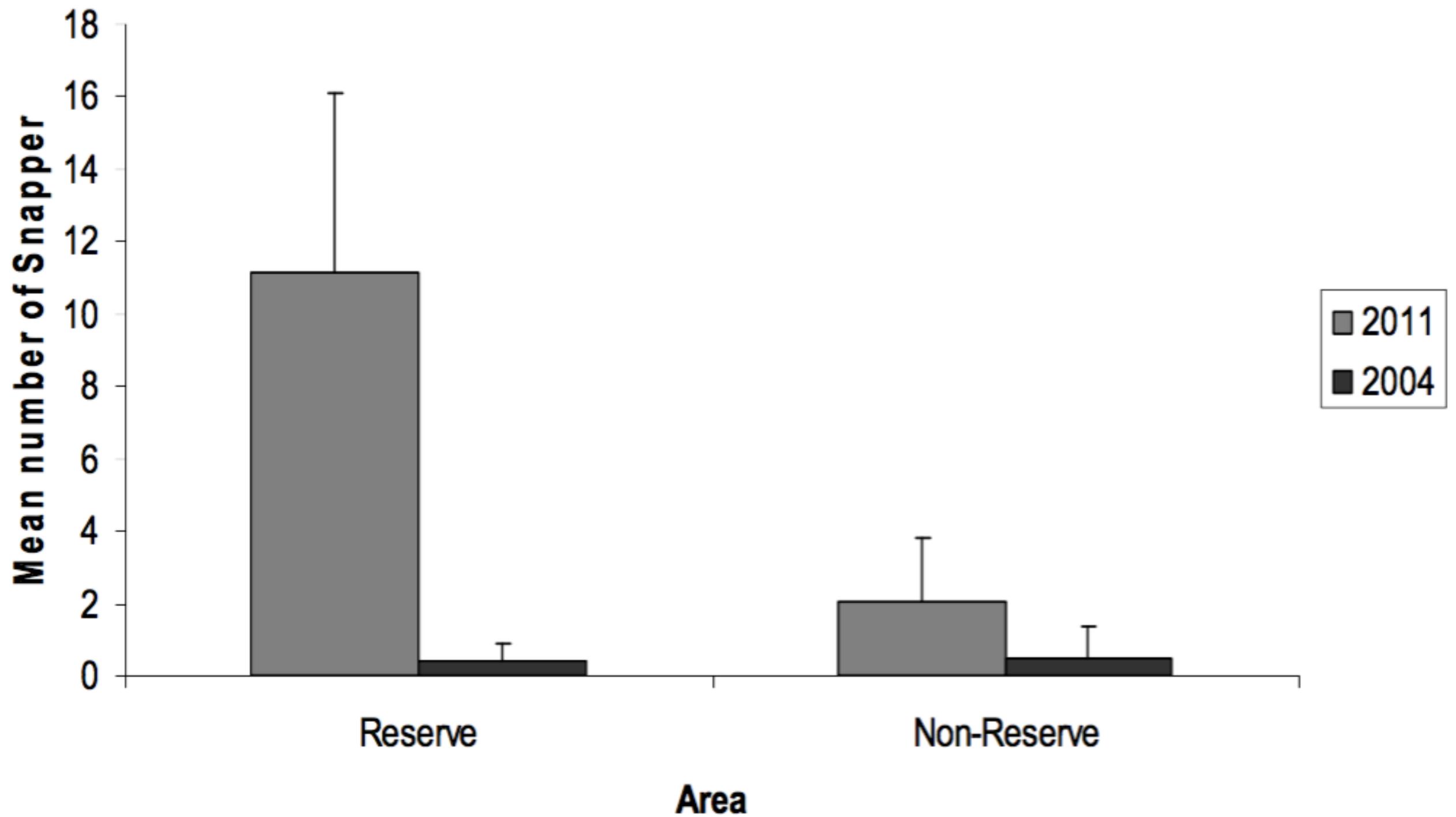


Figure 7: Mean number of snapper inside and outside Tuhua Marine Reserve recorded from 23 BUV drops April 2011 and March 2004.

Historic Reference Restoration

- Need to determine Historic Ref points
- Indicators are more specific
- Difficult to achieve if there are ecological components missing



1970's Hauraki Gulf - Wade Doak

Ecoscape Restoration

- New Progressive
- Takes landscape approach
- Intrinsic Focus
- Not limited by the extinction of Spp.
- Pathway to future management



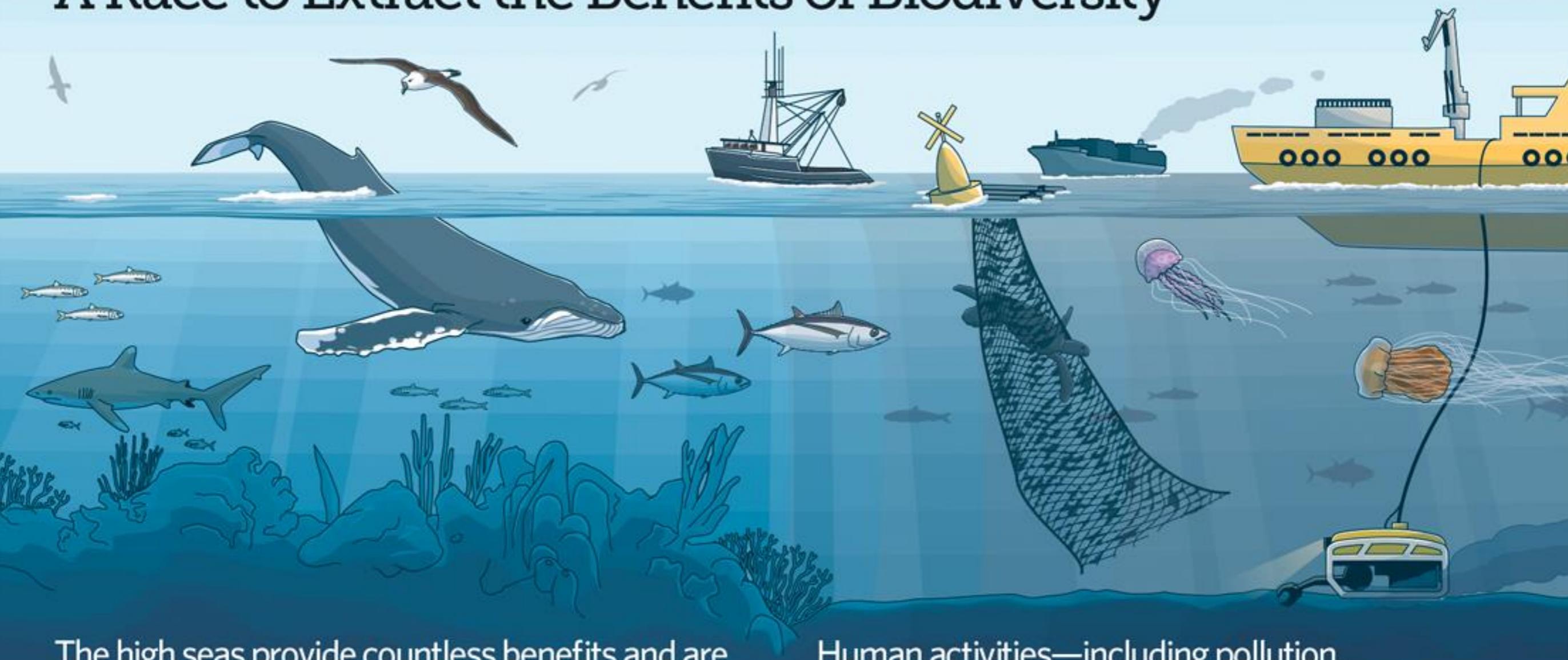
Telesetsky. A (2013)

A pathway to success for restoration

1. Develop a strategy
2. Know your subject
3. Be issue driven
4. Be propositional
5. Understand your limitations
6. Understand the stakeholders
7. Understand the governance / regulatory frameworks
8. Network - find the allies
9. Costs, benefits and risk assessment
10. Implementation
11. Review
12. Refine the approach



A Race to Extract the Benefits of Biodiversity



The high seas provide countless benefits and are home to some of the ocean's most interesting and valuable species.

Human activities—including pollution, overfishing, mining, geoengineering, and climate change—have negative impacts.

A diver in a green mask and snorkel swims through clear blue water, surrounded by a large school of blue-striped snappers. The scene is set in a marine reserve with visible coral and rocks in the background.

*“When one tugs on a single thing in nature,
He finds it attached to the rest of the world”*

- John Muir

Leigh marine reserve (2006)