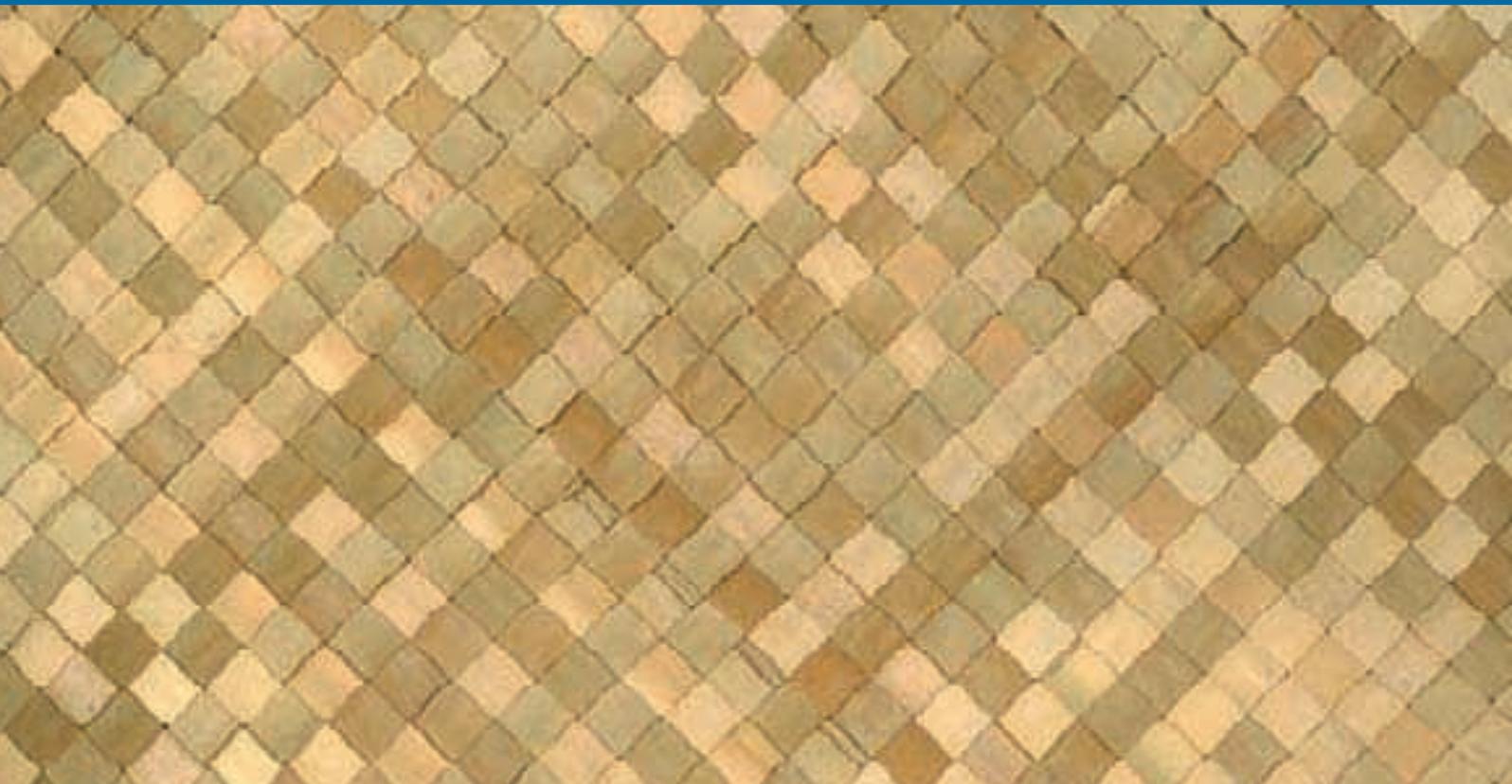
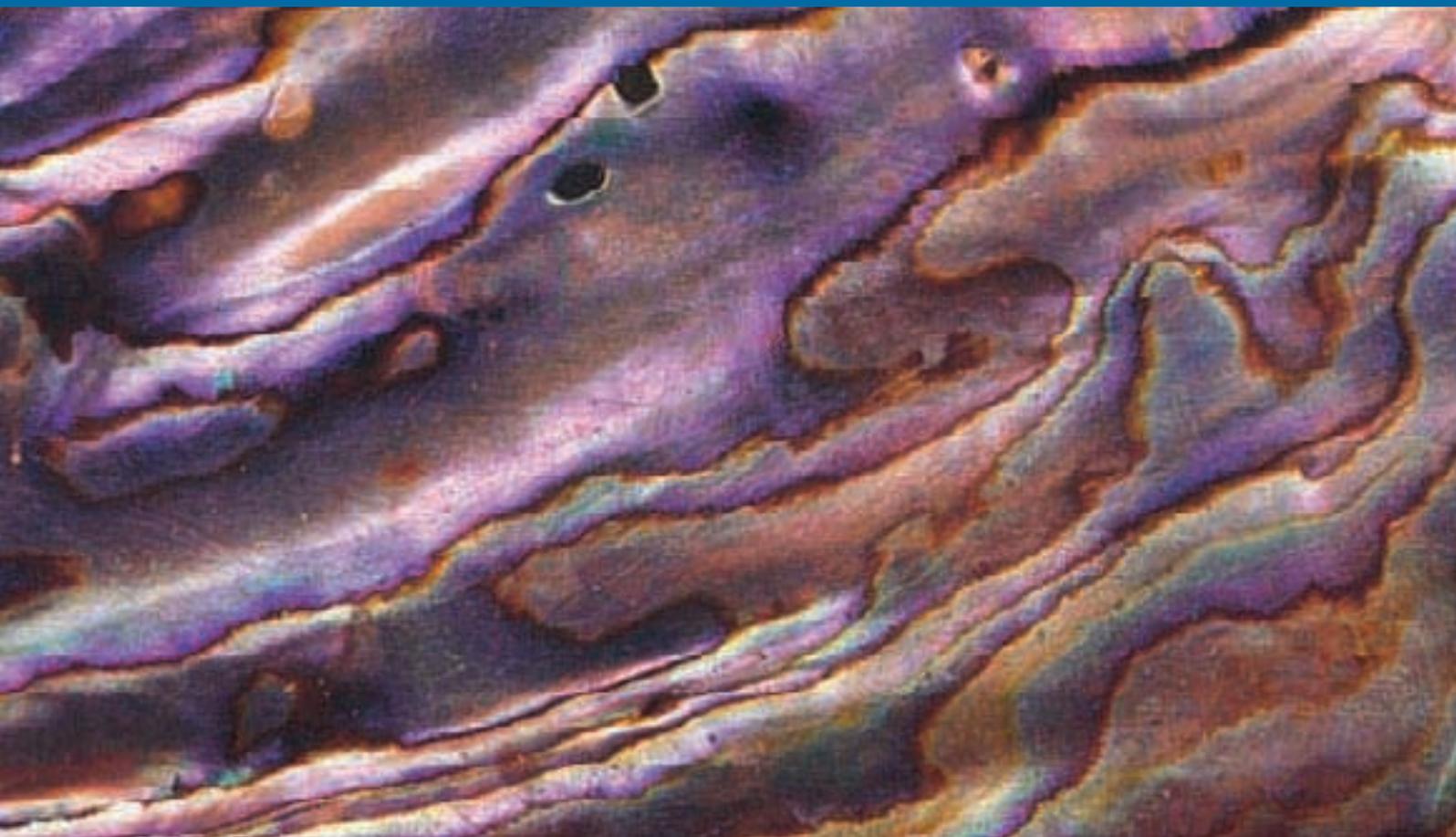


# Maori methods and indicators for marine protection



## Summary of research findings



## GLOSSARY OF MAORI WORDS

awa/river, channel	matauranga/knowledge
hapu/sub-tribe	moana/sea
hapuka/groper	mokopuna/grandchildren
harekeke/flax	Pakeha/non-Maori
hui/meeting	pakeke/customs
ika/fish	parengo/seaweed
iwi/tribe	Pukehapopo/sacred hill of Ngati Konohi
Kahutia Te Rangi/ancestor of Ngati Konohi	pupu/periwinkle
kai/feed, food	rahui/embargo
kaimoana/seafood	rangatahi/modern youth
kaipupuri mana/holders of authority	rohe moana/coastal area
kaitiaki/caretaker, trustee	taiapure/locally managed sea area
kaitiakitanga/sharing guardianship responsibility	tamariki/children
karakia/prayer	Tangaroa/guardian of the sea
kaumatua/elder, wise man	tangata kaitiaki/caretakers of a given area
kina/sea egg, sea urchin	tangata whenua/local people
kohanga/nursery	tikanga/custom
koura/crayfish	tino rangatiratanga/autonomy
kuia/old (wise) woman	tio/oyster
mahi/work, employment	tohu/signs, indicators
makawe parengo/black, sweet seaweed	tohunga/priest
mana/pride, strength, reputation	waananga/learning
manaaki/embracing each other, support	wawataa/aspirations
mango pare/hammerhead shark	whanau/family
manuhiri/visitors	wharekai/eating house, dining room
marae/meeting house	whenua/land
mataitai/reserved sea area for marae use	

# **Maori methods and indicators for marine protection**

**Summary of research findings**

Carla Wilson, Debbie Freeman, Kerry Hogan and Kati Thompson



*Te Poho o Kahungunu*

© Ngati Kere, Ngati Konohi, Ministry for the Environment, Department of Conservation, 2007.

All photos are courtesy of Department of Conservation, unless otherwise stated beneath the photo, and the maps are by Chris Edkins.

This is a Foundation for Research, Science and Technology funded study.

The views and opinions expressed in this publication are those of the authors and do not necessarily reflect those of the Government or the Minister of Conservation or the Minister for the Environment.

ISBN 978-0-478-14248-8 (hardcopy)

ISBN 978-0-478-14249-5 (web PDF)

# Preface

This report has been prepared on behalf of the project manager to inform the Foundation for Research, Science and Technology (FRST) about the achievements of the Maori Methods and Indicators for Marine Protection project and the lessons learnt from the process. The views expressed in this report are those of the authors and do not necessarily reflect those of the New Zealand Government, the Minister of Conservation or the Minister for the Environment.

I wish first to acknowledge all of the people of Ngati Konohi and Ngati Kere who contributed to this project over the last few years. I believe that through working closely together on this project we have made a useful contribution to improving our collective understanding of how we could, through continuing to working together in the future, better manage our marine resources for the benefit of all.

I wish also to acknowledge the contributions of the staff of the Department of Conservation, the Ministry for the Environment and the regional government agencies, and all the contracted technical specialists. Not only were your professional contributions excellent, but your willingness to go beyond this and involve yourselves as individuals was also very important in fostering a good working relationship and understanding with the two local communities.

The aim of this project was to work with two Maori communities to determine whether the marine protection mechanisms provided by the Government could assist them in achieving their community goals for their rohe moana, as well as the Government's own marine protection goals, and to share the findings with others.

The project has demonstrated that the marine protection mechanisms currently available have the potential to be used in an integrated way to achieve both these purposes. However, there are issues that need to be addressed to facilitate the understanding and implementation of the mechanisms by Maori.

While this project has come to an end, the need for Maori and government agencies to work together on protecting our marine environment has not. This report makes some recommendations for both that will enhance an ongoing effective working relationship into the future.

A key aim of this project was to share the findings with others. With this in mind, all of the reports that have arisen from the project can be accessed from a single page on the DOC website: [www.doc.govt.nz/maoriandmarinereserves](http://www.doc.govt.nz/maoriandmarinereserves).



Kerry Hogan  
PROJECT MANAGER



*Kaiora intertidal platform looking to Turihaua Point*

# Contents

<b>1. INTRODUCTION</b>	<b>7</b>
Background	8
Objectives	9
Research partners	10
Ngati Kere	11
Ngati Konohi	11
Project structure	12
Project Management Group	13
Community Research Team	13
Ecological Science Team	13
<b>2. IWI/HAPU INTERESTS AND EXPECTATIONS FOR MARINE MANAGEMENT</b>	<b>14</b>
Introduction	14
Methodology	14
Goals and aspirations for the rohe moana	15
Key species of importance in the rohe moana	15
Management systems in the rohe moana	16
Conclusions	20
<b>3. MAORI MARINE INDICATORS</b>	<b>22</b>
Introduction	22
Background	22
Methodology	23
Findings	25
The challenge of implementation	29
Conclusions	30
<b>4. MEETING THE OBJECTIVES OF MARINE MANAGEMENT SYSTEMS—AN ECOLOGICAL ASSESSMENT</b>	<b>31</b>
Introduction	31
Methodology	33
Results and discussion	34
Conclusions	42
<b>5. KEY PROJECT FINDINGS</b>	<b>44</b>
Integrated marine management	44
Knowledge of marine management practices	47
Resourcing	48
Role of Kaitiaki	48
Sharing tikanga	49
Capacity building	50
Identification of objectives	50

<b>6. PROCESS EVALUATION</b>	<b>51</b>
Establishing the project	51
Managing the project	51
Staff involvement	52
Steering group structure	52
Hapu involvement	52
Recruiting participants	53
Communication	53
Working together	54
Role clarity	54
Intellectual property	54
<b>7. WHERE TO FROM HERE? PROJECT RECOMMENDATIONS</b>	<b>56</b>
Government agencies	56
Iwi/hapu	56
<b>8. REFERENCES</b>	<b>58</b>