

KIA TIAKINA KĀ TINI O TAKAROA



- ☆ Āta hikoi
- ☆ Waiho atu kā tini o Takaroa
- ☆ Waiho atu kā rimurapa kua piri ki kā toka
- ☆ Kia kāwari tō pā atu ki kā tini o Takaroa – patata atu ki te whenua me ō rikarika mākū
- ☆ Kia āta whakahoki kā toka ki ō rātou wāhi tika
- ☆ Kauraka e rahi tō kohikohi aka, he kāika kē mā ētahi atu tini o Takaroa

KIA KAHA KIA KAURAKA E RAWEKE KA TINI O TAKAROA



- 🌀 Me noho tawhiti koe i kā manu me kā penu
- 🌀 Me noho tawhiti koe i kā pakake me kā whakahao
- 🌀 Whakamahia ō karu toro me tō kamera ki te titiro pātata
- 🌀 Ki te pātata atu kā whakahao ki a koe – āta neke whakamuri
- 🌀 Kia mauri tau tāu kurī

KIA TŪPATO, KIA TIKA HOKI TŌ MAHI



- 🌀 Me aro atu ki kā tai timu, tai pari
- 🌀 Kauraka koe me tō kotahi e toro atu ki te akau toka
- 🌀 Me aro atu koe ki kā tohu o te raki me Tawhirimātea
- 🌀 Kia mataara ki kā karu – kauraka e huri tuarā atu i Takaroa
- 🌀 Kia tupato ki kā wāhi māeneene, ki kā toka titaha hoki
- 🌀 Haria atu kā para ka kimihia ki te akau, whiua ki te ipu para kē

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Every effort has been made to ensure the accuracy of this guide at the time of publication.



NEW ZEALAND
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This guide illustrates only some of the more common seashore animals and plants. Visit our website for a comprehensive list, Māori names and information about their ecology.

www.marine.ac.nz

Aotearoa Ki Te Raki

PUKA ĀRAHI MŌ TE TAPĀTAI ONE

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We understand that there are many regional differences and acknowledge that whānau, hapū and iwi have their own names and understandings of the creatures in their area. If you are able to help by adding a Māori name, or giving us the regional variation, we would be interested in hearing from you.

Please email marine-studies@otago.ac.nz

He puka ārahi ngāwari mō ngā kararehe me ngā tipu e kitea noatia ki ngā tapātai one o Aotearoa ki te Raki



NEW ZEALAND
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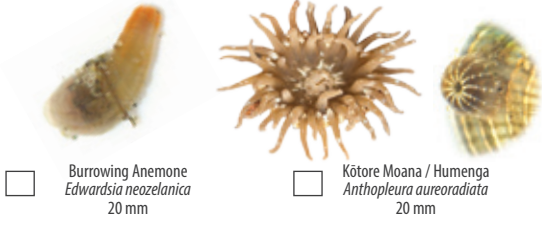
Mobil™

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KŌTORE MOANA

TIOTIO

ANGARUA



Burrowing Anemone
Edwardsia neozelanica
20 mm

Kōtore Moana / Humenga
Anthopleura aureoradiata
20 mm



Attached to rockle shells

Austrominus modestus
5 mm



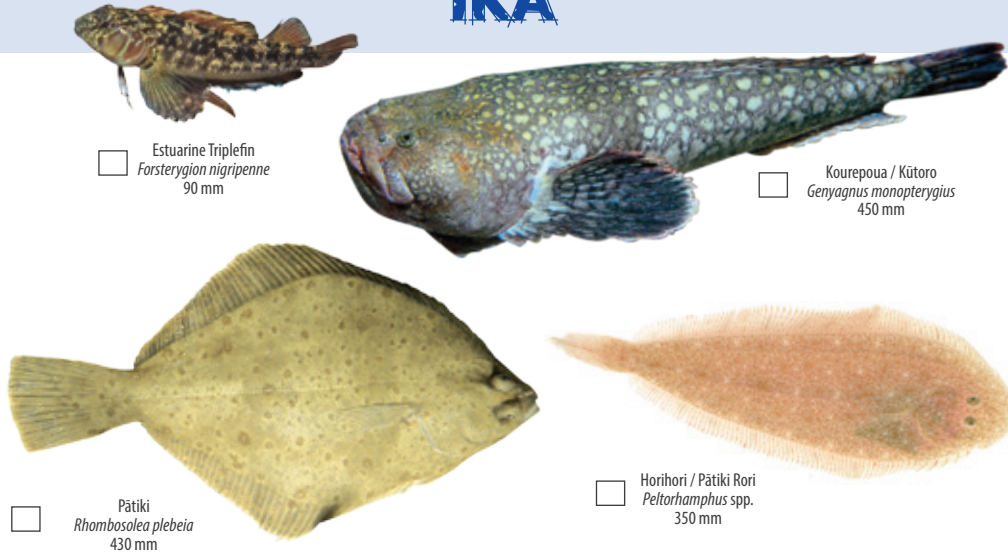
Nut Shell
Linucula hartvigiana
8 mm

Tāwera
Tawera spissa
25 mm

Kuhakuha
Glycymeris modesta
30 mm

Tuangi / Hūai
Austrovenus stutchburyi
50 mm

IKA

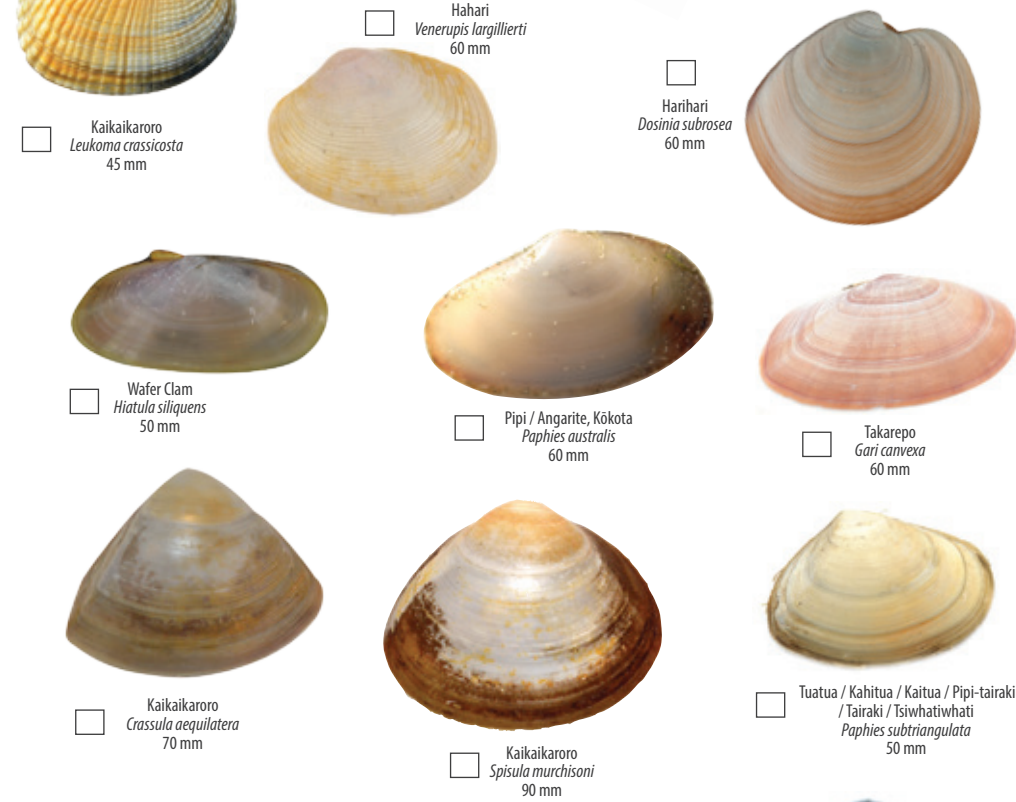


Estuarine Triplefin
Forsterygion nigripenne
90 mm

Kōurepoua / Kūtoro
Genyagnus monopterygius
450 mm

Pātiki
Rhombosolea plebeia
430 mm

Horihori / Pātiki Rori
Peltorhamphus spp.
350 mm



Kaikaikaroro
Leukoma crassicosta
45 mm

Hahari
Venerupis largillierti
60 mm

Harihari
Dosinia subrosea
60 mm

Wafer Clam
Hiatula siliquens
50 mm

Pipi / Angarite, Kōkota
Paphies australis
60 mm

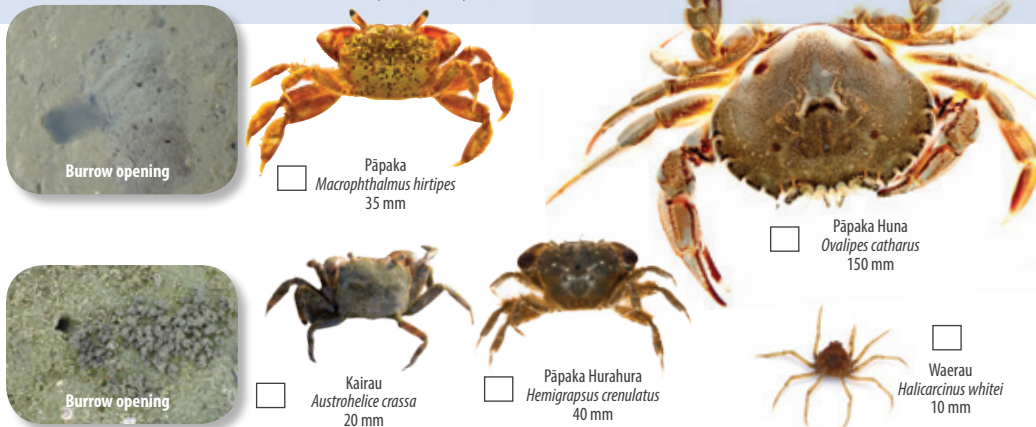
Takarepo
Gari convexa
60 mm

Kaikaikaroro
Crassula aequalatera
70 mm

Kaikaikaroro
Spisula murchisoni
90 mm

Tuatua / Kahitua / Kaitua / Pipi-tairaki / Tairaki / Tsiwhatiwhati
Paphies subtriangulata
50 mm

PĀPĀKA



Burrow opening

Pāpaka
Macrophthalmus hirtipes
35 mm

Pāpaka Huna
Ovalipes catharus
150 mm

Burrow opening

Kairau
Austrohelice crassa
20 mm

Pāpaka Hurahura
Hemigrapsus crenulatus
40 mm

Waerau
Halicarcinus whitei
10 mm



Feeding mark

Hanikura / Hanikura-patu
Macomona liliana
55 mm

Tio
Crassostrea gigas
120 mm



KŌURAURA ME NGĀ URI TATA

PŪPŪ & NGĀKIHI



Burrows



Mōwhitiwhiti
Paracorophium excavatum
3 mm



Mōwhitiwhiti / Potipoti
Bellorchestia quoyana
14 mm



Isopod
Scyphax ornatus
10 mm



Kōura Rangi / Kōuraura / Uraura
Alpheus richardsoni
65 mm



Burrow entrance and exit



Kōura Rangi / Kōuraura / Uraura
Biffarius filholi
60 mm



Burrow opening



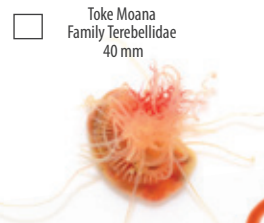
Toa

Mana / Kōura Rangi / Kōuraura / Uraura
Heterosquilla tricarinata
75 mm



Kōura Rangi / Kōuraura / Uraura
Philoceras australis
40 mm

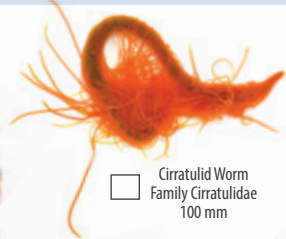
TOKE MOANA



Toke Moana
Family Terebellidae
40 mm



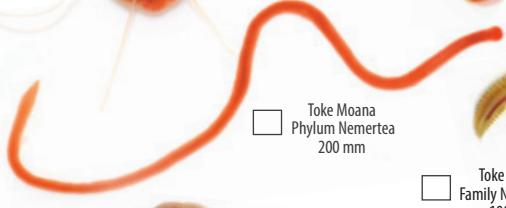
Toke Waitai
Family Oweniidae
45 mm



Cirratulid Worm
Family Cirratulidae
100 mm



Toke Moana
Boccardia sp.
20 mm



Toke Moana
Phylum Nemertea
200 mm



Toke Moana
Family Nephtyidae
100 mm



Weri Moana
Family Nereididae
100 mm



Toke Moana
Family Maldanidae
130 mm



Faecal casts

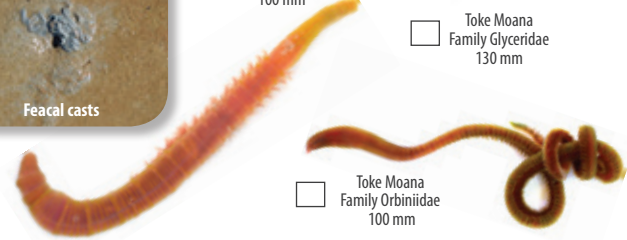
Toke Moana
Abarenicola affinis
100 mm



Toke Moana
Family Glyceridae
130 mm



Faecal casts



Toke Moana
Family Orbinidae
100 mm



Topshell
Cantharidus huttonii
12 mm



Koeti
Zeacumantus lutulentus
25 mm



Tikoaka
Amalda australis
30 mm Long



Koeti
Zeacumantus subcarinatus
15 mm



Ngākihi / Piritoka
Notoacmea spp.
11 mm



Kota
Zethalia zelandica
22 mm



Karahū / Karehu / Koriakai /
Takarepo / Tātoko / Tītiko /
Wētīwha / Whētiko / Whētikitiko
Amphibola crenata
30 mm



Whētiko
Diloma subrostrata
30 mm



Auger Shell
Euterebra tristis
24 mm



Pūpū-waharoa
Bulla quoyii
55 mm



Pūpū Rore
Alcithoe arabica
100 mm



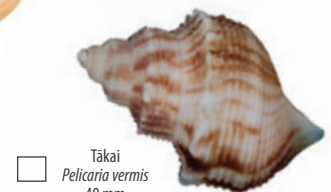
Totorere / Pūtaratara
Struthiolaria papulosa
60 mm



Ngaere
Tanea zelandica
33 mm



Kāwari
Cominella glandiformis
25 mm



Tākai
Pellicaria vermis
40 mm



Pūpū Tuatea
Haminoea zelandiae
20 mm



Kōrire
Stiracolpus pagoda
30 mm



Kāwari
Cominella adspersa
45 mm



Australian Dog Whelk
Nassarius burchardi
12 mm

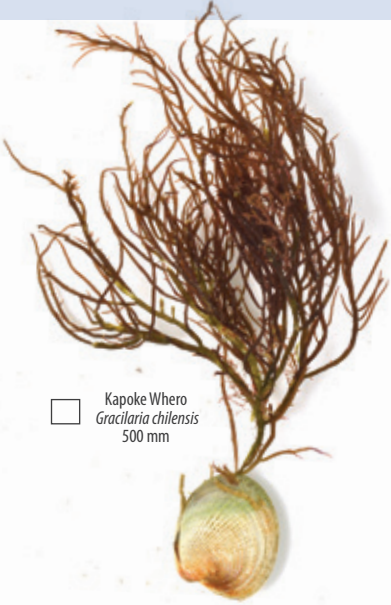


Papatai
Maoricolpus roseus
80 mm



Tōtoro
Cirsotrema zelebori
22 mm

RIMURIMU & DIATOMS



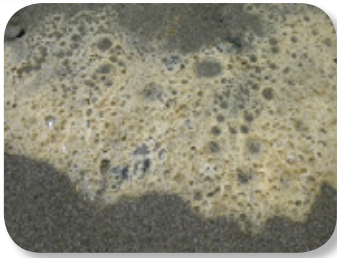
Kapoke Whero
Gracilaria chilensis
500 mm



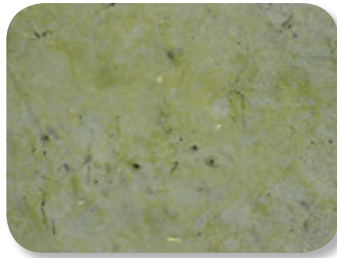
Rimu
Ulva spp.
300 mm



Rimurimu Kura
Polysiphonia spp.
150 mm

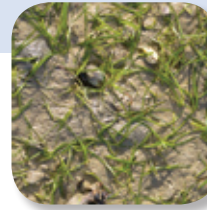


Spume (Diatom matter)



Benthic Diatom
(green scum)

OTAOTA



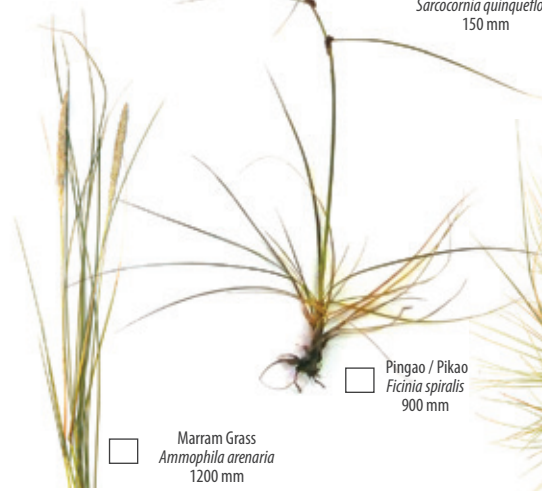
Karepō / Nana
Zostera muelleri
300 mm



Ureure
Sarcocornia quinqueflora
150 mm



Waiū Atua / Waiū-o-Kahukura
Euphorbia glauca
500 mm



Marram Grass
Ammophila arenaria
1200 mm



Pingao / Pikao
Ficinia spiralis
900 mm



Tree Lupin
Lupinus arboreus
1500 mm



Knobby Clubrush
Ficinia nodosa
1500 mm



Sea Rush
Juncus kraussii var. *australiensis*
1200 mm



Mānawa
Avicenna marina *australasica*
2000 mm

DRIFT



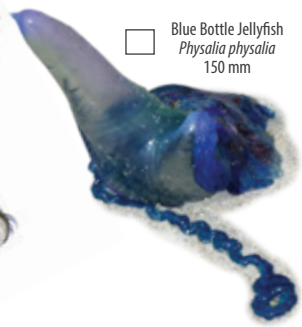
Kotakota
Spirula spirula
30 mm



Kararua
Janthina sp.
45 mm



Werewere
Lepas anatifera
40 mm



Blue Bottle Jellyfish
Physalia physalia
150 mm

KINA



Kiritara / Kina Papa
Fellaster zelandiae
100 mm



Kina Pākira
Echinocardium cordatum
90 mm