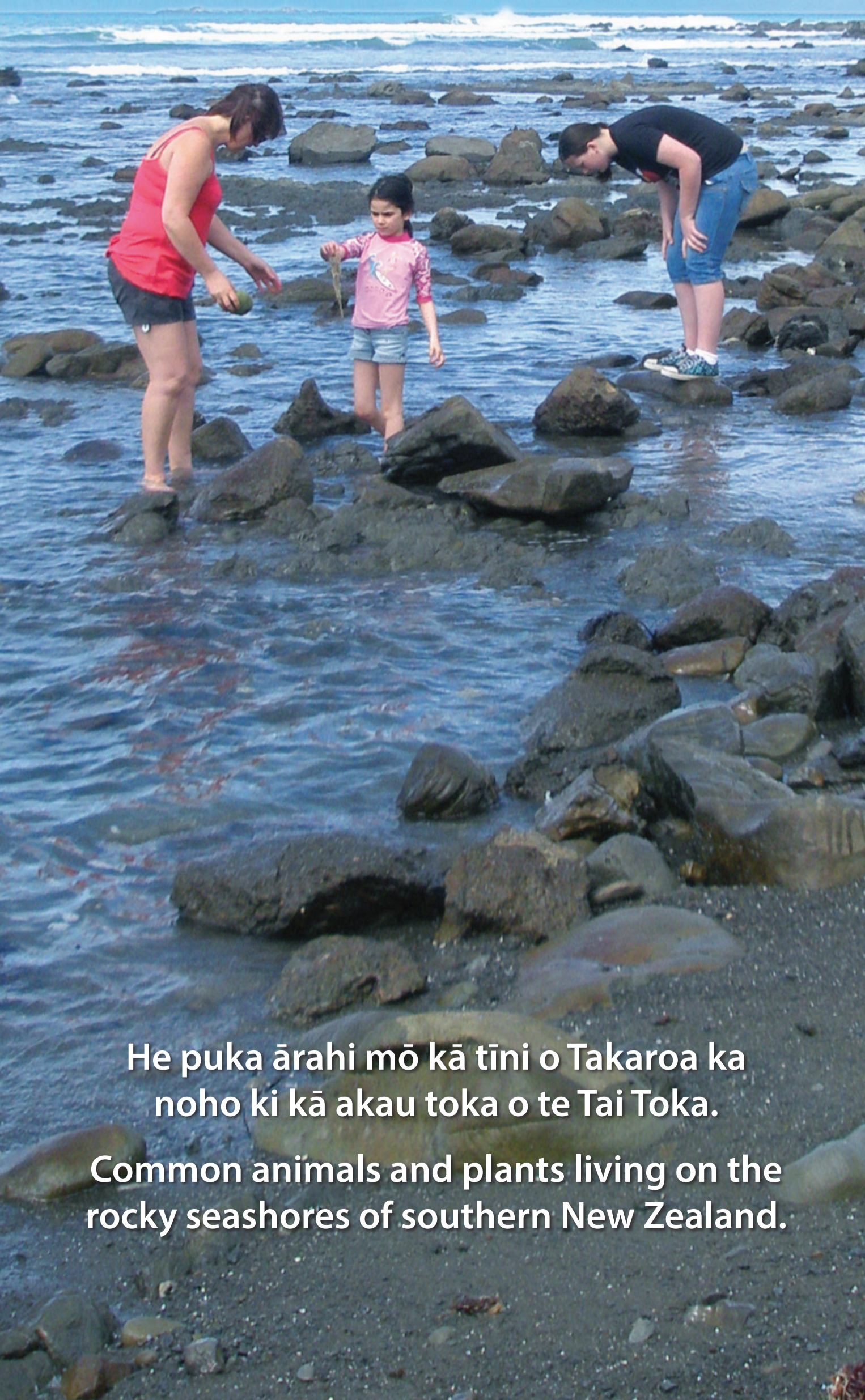


PUKA ĀRAHI MŌ TE ĀKAU

TOKA

ROCKY SHORE GUIDE



He puka ārahi mō kā tīni o Takaroa ka noho ki kā akau toka o te Tai Toka.

Common animals and plants living on the rocky seashores of southern New Zealand.

KŌTORE MOANA ANEMONES

- Kātoke** Tide Pool Anemone *Anthopleura hermaphrodica* 30mm
- Kātoke / Teu** Red Beaded Anemone *Actinia tenebrosa* 40mm
- Kātoke** Jewel Anemone *Corynactis australis* 10mm
- Kātoke** White Striped Anemone *Anthoelia albocincta* 20mm
- Humanga Kōwhiri** Olive Anemone *Isactinia olivacea* 25mm

KŌPŪPŪTAI SPONGES

- Pungurunguru** Encrusting Sponge *Halichondria* spp.
- Porotaka Moana** Golf Ball Sponge *Tethya bergquistae* 40mm
- Mōwhitwhiti / Poiatipi** Sandhopper *Amphipod* 5-10mm
- Kutu Moana** Sea Slater *hopod* 10mm
- Weri Moana** Sea Centipede *hopod* 20-30mm
- Tarawera** Glass Shrimp *Palaemon affinis* 65mm

PĀPAKA CRABS

- Rēre** Smooth Shore Crab *Cyclograpsus inauai* 28mm
- Kawekawe** Half Crab *Petrolisthes elongatus* 10mm
- Pāpaka Huna** Camouflage Crab *Notamithrax* spp. 42mm
- Rēre** Common Shore Crab *Hemigrapsus sandenatus* 57mm
- Waeau** Pill Box Crab *Halacarinus inornatus* 19mm
- Pāpaka Huruhuru** Hairy Handed Crab *Hemigrapsus crenulatus* 40mm
- Kāunga** Hermit Crab *Pagurus* sp. 10mm

PAPATUA CHITONS

- Papatua** Hairy Chiton *Acanthochitona zelandica* 25mm
- Papatua Kākāriki** Green Chiton *Chiton glaucus* 35mm
- Papatua Parāone** Brown Chiton *Ischnochiton moerhousi* 40mm
- Papatua** Snakeskin Chiton *Siphonochiton peltiserpentis* 50mm
- Papatua** Butterfly Chiton *Cryptosconchus porosus* 70mm

KĀKIHI LIMPETS

- Piritoka** Small Limpet *Notosacmea elongata* 8mm
- Kākihi** Striated Limpet *Cellana strigilis* 80mm
- Kākihi Anawaia** Common Pulmonate Limpet *Siphonaria australis* 20mm
- Tūpere** Fragile Limpet *Atalacmea fragilis* 15mm
- Kākihi** Ornate Limpet *Cellana ornata* 40mm
- Kākihi** Radiate Limpet *Cellana radiata* 40mm

PĀUA / RORI PĀUA / SEA SLUGS

- Rori** Warty Nudibranch *Doris wellingtonensis* 100mm
- Rori** Duck's Bill Limpet *Scutus breviculus* 150mm
- Kōo / Marapeka** Virgin Pāua *Halotis virginia* 50mm
- Kōo / Hauwai / Hihīwa / Mararīwha / Karahiwa** Yellow Foot / Silver Pāua *Halotis australis* 85mm
- Pāua** Black Foot Pāua *Halotis iris* 250mm

TIOTIO BARNACLES

- Tiotio pīpīri** Beaked Barnacle *Austrominus modestus* 5mm
- Tiotio / Koromāunganga** Pikeate Barnacle *Epopehia pikeata* 25mm
- Tiotio / Koromāunganga** Columnar Barnacle *Chamaesiphonia columnata* 9mm
- Wewewe** Goose-neck Barnacle *Calantica spinosa* 40mm

NOKE MOANA WORMS

- Noke Pā** Red Tube Worm *Galathea hirsuta* 50mm
- Noke Pā** Blue Tube Worm *Sporobrancheus cariniferus* 50mm
- Piri Ngāngo** Spiral Tube Worms *Serpulidae* 3mm
- Noke Moana** Rag Worm *Family: Nereididae* 150mm
- Noke Piri** Flat Worm *Anonyxus kaikouarensis* 50mm

PAPATAKARO SEA STARS

- Pātakaroa** Three and Three Star *Allostichaster insignis* 150mm
- Papatakaroa** Spiny Sea Star *Cassiopeia maritima* 150mm
- Kapu Parahua** Cushion Star *Patiria regularis* 70mm
- Takaroa Wae Whitu** Seven Armed Sea Star *Astrostele scabra* 360mm
- Papatakaroa / Pātakaroa** Reef Star *Stichaster australis* 300mm
- Weki Huna** Brittle Star *Ophiomyza brevissima* 50mm

AKARUA BIVALVES

- Kuku / Katal / Pōrohe** Green-lipped Mussel *Perna canaliculus* 150mm
- Pūkanikani** Ribbed Mussel *Aulacomya maoriana* 80mm
- Toretore / Pōrohe** Blue Mussel *Mytilus galloprovincialis* 100mm

PAPA KURA ITI BRACHIOPODI

- Kukupara / Hānea / Niania** Little Black Mussels *Xenostrobus neozelandicus* 30mm
- Tio Para** Rock Oysters *Ostrea chilensis* 100mm
- Papa Kura Iti** Lamphells *Calloria inconspicua* 20mm

PŪPŪ SNAILS

- Ngaeti** Blue-banded Periwinkles *Austrolittorina antipodum* 8mm
- Ngaeti** Brown Periwinkles *Austrolittorina cinerea* 16mm
- Koeti** Horn Snail *Zacostomus subcarinatus* 16mm
- Hopetia** White Whelk *Haustrum lacunosum* 35mm
- Kaikai Tio** Oyster Borer *Haustrum albomarginatum* 35mm
- Pūpū / Pūpū Kōrama / Pūpū / Māmarama** Cat's Eye Snail *Lunella smaragda* 70mm
- Māhi** Spotted Top-shell *Diloma aethiops* 28mm
- Māhi** Black Top-shell *Diloma* spp. 26mm
- Hauamtu** Lined Whelk *Buccinum* sp. 25mm

BRYOZOANS

- Seaweed Encrusting Bryozoan** *Membranopora membranacea*
- Rock Encrusting Bryozoan**
- Flexible Bryozoans** *Ebronia laevis* 20mm

SEA SQUIRTS

- Colonial Ascidians** *Didemnum* spp.
- Colonial Ascidians** *Botrylloides* spp.
- Colonial Ascidians** *Distaplia* spp.
- Solitary Ascidians** *Asterocarpa* spp. 40mm
- Kaero** Sea Tullip *Pyura pachydermatina* 400mm

RIMURIMU KĀKĀRIKI GREEN SEAWEEDS

- Intestine Weed** *Ulva intestinalis* 150mm
- Rimu** Sea Lettuce *Ulva* spp. 300mm
- Sea Emerald** *Chaetomorpha californis* 20mm
- Bryopsis** spp. 80mm
- Encrusting Velvet Weed** *Codium canaliculatum* 200mm
- Branching Velvet Weed** *Codium fragile* 300mm
- Rimurimu** Sea Rimu *Caulerpa bromaliifolia* 300mm

RIMURIMU PARĀONE BROWN SEAWEEDS

- Scytosiphon** *lomentaria* 300mm
- Neptune's Neck** *Hermonia leucae* 500mm
- Zig-zag Weed** *Cystoseira scalaris* 1.5m
- Strap Weed** *Xiphophora gladiata* 500mm
- Rimurimu** Flap Jack or Sea Wrack *Carpophyllum flexuosum* 2m
- Sea Sack** *Adenomyxis aricularis* 90mm
- Filamentous Brown Weed** *Ectocarpus* spp. 100mm
- Sac Weed** *Colpomenia* spp. 100mm
- Rimurimu** Bull Kelp *Durvillaea paha* 3-10m
- Wakame** *Undaria pinnatifida* 1m
- Kāmasu** Bladder Kelp *Marcopodia pyrifera* 30m
- Kakau moana** Gummy Weed *Splachnidium rugosum* 200mm

RIMURIMU KURA RED SEAWEEDS

- Branching Coralline Algae** *Arthrocnemum* spp. 120mm
- Karengo / Parengo** *Dyrrypia* spp. 300mm
- Encrusting Coralline Algae** *Order: Corallinales*
- Pachymenia** *dichotoma* 500mm
- Carrageenan Weed** *Sarcobalia livida* 200mm
- Filamentous Red** *Polysiphonia* spp. 150mm
- Moss Weed** *Bostrychia arbuscula* 50mm

KIA TIAKINA KĀ TINI O TAKARO A SHOW RESPECT FOR SEASHORE CREATURES

- Ata hikoi Tread carefully.
- Waiho atu kā tini o Takaroa Leave creatures where you found them.
- Waiho atu kā rimurapa kua piri ki kā toka Leave attached seaweed in place.
- Kia kāwiri tō pā atu ki kā tini o Takaroa – pātata atu ki te whenua me ō rīkara māku Handle creatures with care - close to the ground with wet hands.
- Kia āta whakahoki kā toka ki ō rātou wāhi tika Carefully put rocks back to the same position you found them.
- Kauraka e rahi tō kohikohi aka, he kāika me mō ētahi atu tini o Takaroa Limit your collection of empty shells as other creatures use them as homes.



KIA KAHA KIA KAURAKA E RAWEKE I KĀ TINI O TAKARO A AVOID DISTURBING WILDLIFE

- Me noho tawhiti koe i kā manu me kā pēnu Keep your distance from seabirds including penguins.
- Me noho tawhiti koe i kā pakake me kā whakahaō Keep your distance from seals and sea lions.
- Whakamahia ō karu toro me tō kāmera ki te titiro pātata Use the zoom on your camera or binoculars for close viewing.
- Ki te pātata atu kā whakahaō ki a koe – āta neke whakamuri If sea lions approach you - back away slowly.
- Kia mauri tau tāu kuri Keep dogs under control.



KIA TŪPATO, KIA TIKA HOKI TŌ MAHI BE CAREFUL AND KEEP SAFE

- Me aro atu ki kā tai timu, tai pari Check tide times to avoid being cut off by rising tide.
- Kauraka koe me tō kotahi e toro atu ki te ākau toka Do not explore the seashore alone.
- Me aro atu koe ki kā tohu o te raki me Tawhirimātea Watch for changing weather.
- Kia mataara ki kā karu – kauraka e huri tuarā atu i a Takaroa Look out for waves - never turn your back to the ocean.
- Kia tūpato ki kā wāhi māneene, ki kā toka titaha hoki Beware of slippery and uneven rock surfaces.
- Haria atu kā para ka kimihia ki te akau, whiua ki te ipu para kē Pick up any rubbish found on the shore and dispose of it appropriately.

