

Mimiwhangata Species Lists 1973 - 2004, R.V. Grace & V.C. Kerr

Colour Code for entries

Mimiwhangata Marine Report 1973

Mimiwhangata Ecological Report 1973

Marine Report 1976-7

Marine Report 1978

Environmental Impact Report 1982

Marine Report 1984

Fish survey 2002

BIRDS

Bush

APTERYGIDAE

Apteryx australis (brown kiwi)

COLUMBIDAE

Hemiphaga novaeseelandiae (kereru, native pigeon)

CUCULIDAE

Chrysococcyx lucidus lucidus (shining cuckoo)

MELIPHAGIDAE

Prothemadera novaeseelandiae (tui)

Anthornis melanura (bellbird)

MUSCICAPIDAE

Gerygone igata (grey warbler)

Rhipidura fuliginosa (fantail)

PLATYCERCIDAE

Platycercus eximius (eastern rosella)

STRIGIDAE

Ninox novaeseelandiae novaeseelandiae (morepork)

Open field & swamp

ACCIPITRIDAE

Circus approximans (Australasian harrier)

ALAUDIDAE

Alauda arvensis arvensis (skylark)

ALCEDINIDAE

Halcyon sancta vegans (kingfisher)

ARDEIDAE

Botaurus stellaris poiciloptilus (Australasian bittern)

CRATICIDAE

Gymnorhina tibicen (Australian magpie)

HIRUNDINIDAE

Hirundo tahitica neoxena (welcome swallow)

MOTACILLIDAE

Anthus novaeseelandiae (New Zealand pipit)

MUSCICAPIDAE

Turdus philomelos clarkei (song thrush)

PHASIANIDAE

Meleagris gallopavo (wild turkey)

Phasianus colchicus (pheasant)

PLOCEIDAE

Passer domesticus domesticus (house sparrow)

RALLIDAE

Porphyrio porphyrio melanotus (pukeko)

STURNIDAE

Acridotheres tristis (myna)

Sturnus vulgaris vulgaris (starling)

ZOSTEROPIDAE

Zosterops lateralis lateralis (waxeye)

Coastal

ARDEIDAE

Ardea novaehollandiae novaehollandiae (white-faced heron)

Egretta sacra sacra (blue heron)

CHARADRIIDAE

Charadrius obscurus (New Zealand dotterel)

HAEMATOPODIDAE

Haematopus unicolor (variable oystercatcher)

LARIDAE

Larus novaehollandiae scopulinus (red-billed gull)

Larus dominicanus (black-backed gull)

PHALACROCORACIDAE

Phalacrocorax varius (pied shag)

Phalacrocorax carbo (black shag)

RECURVIROSTRIDAE

Himantopus himantopus leucocephalus (pied stilt)

SPHENISCIDAE

Eudyptula minor (little blue penguin)

STERNIDAE

Sterna striata (white fronted tern)

Hydroprogne caspia (caspiian tern)

Oceanic

PROCELLARIIDAE

Puffinus gavia (fluttering shearwater)

Pachyptila turtur (fairy prion)

Puffinus griseus (sooty shearwater)

Puffinus carneipes (flesh-footed shearwater)

SULIDAE

Sula bassana serrator (Australasian gannet)

FRESHWATER STREAMS

Freshwater bullies

Freshwater prawns

Galaxiidae (whitebait, various species)

Koura (freshwater crayfish)

Larval stages of caddis flies, stone-flies,
mayflies, etc.

FISHES (71 species)

Names to be updated according to Francis (2001)

Expected were sharks, sunfish, eels, flyingfish, sprats, clingfish.

2003 Records

Foxfish (to be added from video 2002)

Conger eel
Red cod
Long-snouted pipefish
Crested weedfish

Girella cyanea (bluefish, rare)

Thresher shark
Hammerhead shark
Combfish
Piper

Labracoglossa nitida (blue knifefish)

Canthigaster callisternus (sharp-nosed pufferfish)

Prionurus maculata (surgeonfish; juvenile, tropical) *

Aplodactylidae

Aplodactylus meandrus (marblefish) * *
Aplodactylus etheridgi (notch-headed marblefish) * *

Arripidae

Arripis trutta (kahawai) * *

Berycidae

Hoplostethus elongatus (slender roughy)

Blennidae

Blennius laticlavus (crested blenny)

Carangidae

Caranx lutescens (trevally) *
Decapterus koheru (koheru) * * *
Seriola lalandi (kingfish) * *
Trachurus novaezelandiae (jack mackerel)

Cheilodactylidae

Cheilodactylus spectabilis (red moki) * * * *
Cheilodactylus ephippium (painted moki) *
Cheilodactylus douglasi (porae) * *

Chironemidae

Chironemus marmoratus (kelpfish/hiwihwi) * *

Dasyatidae

Dasyatis brevicaudata (short-tailed stingray)
Dasyatis thetidis (long-tailed stingray; 2002)

Diodontidae

Allomycterus jaculiferus (porcupine fish) *

Gempylidae

Thyrsites atun (barracouta)

Kyphosidae

Kyphosus sydneyanus (silver drummer) * *
Girella tricuspidata (parore) * *

Labridae

Notolabrus celidotus (spotty) * * *
Notolabrus fucicola (banded wrasse) *
Pseudolabrus miles (scarlet wrasse) *
Notolabrus inscriptus (green wrasse) *
Pseudolabrus luculentus (orange wrasse) * *
Coris sandageri (sandagers wrasse) *
Verreo oxycephalus (red pigfish) *
Bodianus unimaculatus (pigfish) – maybe same as above

Latridae

Latridopsis ciliaris (blue moki)

Monacanthidae

Parika scaber (leatherjacket) * *

Mugiloididae

Paraperca colias (blue cod)

Mullidae

Upeneichthys porosus (red mullet/goatfish) * *
Parupeneus fraterculus (black-spot goatfish, sub-tropical) *

Muraenidae

Gymnothorax prasinus (yellow moray eel) *

Myliobatidae

Myliobatus tenuicaudatus (eagle ray) * * *

Odacidae

Coriododax pullus (butterfish) *

Pempheridae

Pempheris adspersus (bigeye) *

Pomacentridae

Parma alboscapularis (black angelfish) *
Chromis dispilis (demoiselle) *
Chromis hypsilepis (single-spot demoiselle)
Chromis sp. (yellow demoiselle)

Scorpaenidae

Scorpaena cardinalis (Northern scorpionfish) *
Helicolenas papillosus (sea perch)

Scorpidae

Scorpius lineolatus (sweep)
Scorpius violaceus (blue maomao) * * *

Serranidae

Ellerkeldia huntii (redbanded perch) *
Caesioperca lepidoptera (butterfly perch)
Caprodon longimanus (pink maomao)
Epinephelus daemeli (spotted black grouper) *
*

Sparidae

Pagrus auratus (snapper) * * *

Sphyrnidae

Sphyrna zygaena (hammerhead shark)

Trichonotidae

Limnichthys randalli (sand fish)

Tripterygiidae

Tripterygion sp. C. (oblique swimming blenny)
*

Tripterygion sp. B. (yellow/black blenny)

Tripterygion varium (mottled blenny)

Gilloblennius tripennis (spectacled blenny)

Species undetermined (saber-tooth blenny,
single specimen)

Trachelochismus sp.

Zeidae

Zeus japonicus (john dory) * *

MAORI MIDDEN SHELLS

Amphidesma subtriangulatum (tua-tua) (still on sandy shores)
Cellana ornata (still on rocky shores)
Cellana radians (still on rocky shores)
Chione stutchburyi (common cockle, nearest habitat probably Whangaruru)
Cominella maculosa (still on rocky shores)
Cominella virgata (still on rocky shores)
Cookia sulcata (herbivorous turban, still on rocky shores)
Crassostrea glomerata (rock oyster) (still on rocky shores)
Dosinia anus (offshore on sandy bottom)
Haliotis australis (still on rocky shores)
Haustrium haustorium (still on rocky shores)
Lunella smaragda (cats-eye) (still on rocky shores)
Melagraphia aethiops (still on rocky shores)
Tawera spissa (offshore on sandy bottom)
Thais orbita (still on rocky shores)

DRIFT SHELLS

Some names need updating.

P = Pa Point shell beach

M = Mimiwhangata beach

0 - Okupe Beach

GASTROPODS

Alcithoe arabica P M
Amalda australis P
Anisodiloma lugubris P
Buccinum lineum P
Cantharidus purpureus P
Cellana ornata P
Cellana radians P 0
Cellana stellifera P
Charonia rubicunda 0
Cirostrema zelebori P
Cominella adpersa P M
Cominella maculosa P
Cominella virgata P
Cookia sulcata 0
Haliotis australis P M
Haliotis iris P M 0
Haliotis virginea P M 0
Haminoea zelandiae M
Haustrum haustorium P
Lepsiella scobina P
Lunella smaragda (cat's eye) P M *
Maoricrypta costata P M 0
Maoriculpus roseus P M
Maurea punctulata P M
Maurea tigris M
Mayena australasia P M
Melagraphia aethiops P
Monoplex australasiae 0
Nerita melanotragus P
Patelloida corticata P
Penion adustus M
Quibulla quoyana P M
Scutus breviculus M
Serpulorbis zelandicus P
Sigapatella novaezelandiae P M 0
Spirula spirula
Stephopoma roseum P
Struthularia papulosa P M 0
Thais orbita P 0
Trochus viridis P
Tugali elegans P
Zeacumantus subcarinatus M
Zethalia zelandica (wheel shell)

BIVALVES

Amphidesma subtriangulatum (tuatua) P M 0 *
Amphidesma ventricosum (toheroa) 0 *
Angulus gaimardi M

Anomia walteri M
Atrina zelandica M
Bassina yatei P M
Chione stutchburyi (cockle/tuangi) M 0 *
Chlamys zelandiae (fan shell) P 0 *
Crassostrea glomerata P M 0
Divaricella huttoniana P
Dosinia anus P M 0 *
Dosinia subrosea M *
Gari lineolata M
Glycymeris laticostata 0 *
Longimacra elongata (macra shell)?
Macomona liliana M
Macra discors M
Modiolus areolatus (fringed mussel) P M *
Myadora striata M 0
Panopea zelandica M
Paphirus largillierti M
Pecten novaezelandiae (large Queen scallop) P M 0 *
Perna canaliculus (green mussel) M 0 *
Ryanella impacta P M
Spisula aequilateralis (triangle shell)
Tawera spissa (morning-star shell) P M 0 *
Venericardia purpurata P 0
Xenostrobus pulex (small mussel)
Zearcopagia disculus M

INVERTEBRATES

Arthropoda

Insecta

Philanisus plebeius (marine caddis fly)

Crustacea

Calantica villosa (stalked barnacle)

Chamaesipho brunnea (high level surf barnacle)

Chamaesipho columna (small barnacle, sheltered detrital zone)

Elminius modesta (small barnacle)

Epopella plicata (large ribbed barnacle)

Isopoda

Cirolana

Decapoda (hermit crabs)

Jasus edwardsi (spiny red crayfish; surge channels, deep canyons and gullies) * *

Jasus verreauxi (green crayfish; surge channels, deep canyons and gullies; now rare)

Leptograpsus variegatus (large shore crab)

Squilla (mantis shrimps) *

Ovalipes (swimming crab)

Ozius truncatus (black finger crab)

Paleamon affinis (shrimp)

Plagusia capensis (large red rock crab, shallow surge channels)?

Pyromaia tuberculata (Californian spider crab; import via Japan)

Scyphax

Tanaidacea

Unidentified Callianassid (pink, burrowing ghost shrimp; Australian import)

Brachiopoda

Articulata (lampshells, including small red brachiopod specimen)

Terebratella inconspicua (red lamp shell)

Coelenterata

Actinothoe albocincta (white anemone, shallow surge channels)

Antipatharian coral (black coral)

Corynactis haddoni (jewel anemones; deep winding canyons)

Culicea rubeola (encrusting coral)

Monomyces rubrum (cup coral)

Oculina virgosa (ivory coral, deep, east of Rimariki Island) *

Primnoides sp. (gorgonian fan, deep, east of Rimariki Island) *

Solandaria sp. (3m, sheltered 'detrital' zone, shallow surge channels)

Unidentified zoanthis

Polychaeta

Aglaophamus macroura *

Armandia maculata

Axiothella australis *

Euchone sp. (small fan worm)

Eunice

Glycera americana *

Hemipodus

Lumbrineris sphaerocephala *

Magelona papillicornis *

Orbinia papillosa *

Pectinaria australis

Perinereis sp.

Sigalion

Unidentified Nereids

Unidentified Sabellids

Echinodermata

Apoda

Astropecten polyacanthus (comb-star)

Astrostole scabra (giant seven-armed starfish, shallow surge channels)

Amphiura (brittle stars; Porae Point)

Centrostephanus rogersii (3-4m, large purple-spined urchin, sheltered 'detrital' zone, shallow surge channels) *

Coscinasterias calamaria (eleven-armed star)

Evechinus chloroticus (sea urchin, 0-10m, sheltered 'detrital' zone, medium depth) * *

Fellaster (sand dollar)

Goniocidaris corona (small club-spined urchin)

Heliocidaris tuberculata (brown sea urchin)

Holopneustes inflatus (pink tennis-ball urchin)

Holothuria (sea-cucumber, soft-bottom)

Knightaster bakeri (brilliant yellow starfish, very deep) *

Ophidiaster kermadecensis (yellow and brown starfish)

Ophidiaster mcknighti (cream and brown starfish, very deep) – maybe the same as above

Patiriella regularis (cushion star)

Stegnaster inflatus (starfish, sheltered 'detrital' zone 0-10m)

Stichopus mollis (sea cucumber, echinoderm, sheltered 'detrital' zone 0-10m)

Mollusca

Amphineura

Amaurochiton glaucus

Craspedochiton rubiginosus

Craspedochiton rubiginosus (small chiton, soft-bottom)

Eudoxochiton nobilis (large chiton, sublittoral fringe exposed rocky shores)

Guildingia obtecta (large chiton, sublittoral fringe of exposed rocky shores)
Ischnochiton maorianus
Notoplax violacea
Sypharochiton pelliserpentis (snakeskin chiton)

Gastropoda

Amalda australis

Amalda novaezelandiae
Antisolarium egenum
Astraea heliotropum (turbinid)
Bullina lineata (red-lined bubble shell)
Cellana ornata (limpet, littoral zone)
Cellana radians (limpet, littoral zone)
Cellana stellifera (limpet, subtidal)
Charonia rubicunda (large trumpet)
Cominella adpersa (carnivorous whelks, sand offshore) *
Cominella maculosa (rocky shores)
Cominella quoyana (carnivorous whelk, sand offshore)
Cominella virgata (rocky shores)
Cookia sulcata (herbivorous turban, rocky shores)
Haliotis australis (rocky shores)
Haustorium haustorium (rocky shores)
Hydatina physis (lined bubble shell)
Lepsiella scobina (snail; oyster borer, rocky shores)
Lunella smaragda (cat's eye shell, littoral zone/sub-littoral fringe)
Marginella pygmaea
Maurea punctulata (deep canyons and gullies)
Maurea tigris (deep canyons and gullies)
Melagraphia aethiops (snail, rocky shores)
Melagraphia oliveri (snail, littoral fringe)
Micrelenchus rufozonus (sublittoral fringe)
Nassarius spiratus (whelk)
Neoguraleus interruptus
Nerita melanotragus (**Black Nerita** snail, littoral zone) *
Notoacmea parviconoidea (limpet)
Notoacmea pileopsis (limpet, littoral fringe)
Notoacmea scopulina (limpet, littoral fringe)
Notoacmea sp.
Patelloida corticata (limpet, littoral zone)
Pervicacia tristis
Pterotyphis eos paupereques (rare carnivorous gastropod)
Pupa kirki (sediments offshore)
Sea slugs (deep canyons and gullies)
Sigapatella novaezelandiae (circular slipper shell, subtidal rocks)
Siphonaria zelandica (limpet, very exposed rocky shores)
Small rissoids (sublittoral fringe)

Stiracolpus pagoda (screw shells, sand offshore)
Thais orbita (rocky shores)
Xenophalium labiatum (helmet shell)
Zegalerus tenuis (small slipper shell)

Bivalvia

Amphidesma subtriangulatum (tua-tua) * *
Arthritica bifurca
Chione stutchburyi (common cockle)
Corbula zelandica (little basket cockle)
Crassostrea glomerata (rock oyster) * * *
Crassostrea gigas (pacific oyster)
Cuna sp.
Dosinia anus (offshore on sandy bottom)
Dosinia subrosea (channel b/w Rimariki Is. and the mainland) *
Fellaniella zelandica
Gari lineolata
Gari stangeri
Glycymeris laticostata (large dog cockle) *
Glycymeris modesta (small dog cockle)
Gomphina maorum *
Longimacra elongata (juv) *
Modiolus areolatus (fringed mussel) * *
Myadora boltoni
Myadora striata
Mytilus edulis aoteanus (blue mussel)
Nucula nitidula
Perna canaliculus (green mussel) *
Scalpomacra
Soletellina nitida (juv)
Tawera spissa (morning star shell, sandy bottom) *
Xenostrobus pulex (small mussel) *
Ascidians
Asterocarpa caerulea (ascidian)
Entalophora sp. (finely-branching coral-like bryozoan)
Sigillinaria arenosa (colonial ascidian)
Steganoporella neozelania (bryozoan, deep sheltered, deep canyons and gullies)

Forams
Ammonia becarrii
Angulogerina
Bolivina compacta (Sidebottom)
Bolivina pseudoplicata (Heron-Allen and Eurland)
Brizalina sp.
Buliminella
Cassidulina spp.
Cibicides sp.
Discorbis dimidiatus (Parker and Jones)
Elphidium argenteum (Parr)
Elphidium charlottensis (Vella)
Elphidium novozealandicum (Cushman)
Elphidium simplex (Cushman)
Fissurine spp.
Notorotalia
Oolina

Patellinella inconspicua (Brady)
Pseudopolymorphina sp.
Quinqueloculina seminula (porcellaneous form)
Rosalina sp.

Porifera

Ancorina alata (massive grey sponge, deep)
Aplysilla rosea (pink sponge – deep winding canyons)
Callyspongia ramosa (tall fan-shaped sponge, deep)
Cliona celata (yellow encrusting sponge)
Desmacidon (tall orange branching sponge, very deep, east of Rimariki Island)
Iophon (tall yellow branching sponge, very deep, east of Rimariki Island)
Polymastia fusca (brown massive sponge)
Polymastia granulosa (massive yellow sponge, medium sheltered, deep)
Raspailia sp. (orange branching sponge, deep, east of Rimariki Island)
Siphonochalina latituba (mauve branching tube sponge, shallow surge channels)
Stelletta crater (massive sponge)
Stelletta hauraki (massive crimson bowl-shaped sponge)
Tethya aurantium (orange golf ball sponge)
Tethya ingalli (pink golf ball sponge)

From Auck Uni Mimiwhangata 2002 Report
(Need to check with overall list)

Table 4. Scientific name, species, and family of fish species observed in underwater visual census at Mimiwhangata, April 2002.

| Scientific name | Species |
|---------------------------------|---------------|
| Family | |
| <i>Allomycterus jaculiferus</i> | Porcupinefish |
| Diodontidae | |
| <i>Aplodactylus arctidens</i> | Marblefish |
| Aplodactylidae | |
| <i>Arripis trutta</i> | Kahawai |
| Arripadae | |

| | |
|-----------------------------------|-----------------------|
| <i>Bodianus unimaculatus</i> | Pigfish |
| Labridae | |
| <i>Cheilodactylus spectabilis</i> | Red moki |
| Cheilodactylidae | |
| <i>Chironemus marmoratus</i> | Hiwihiwi |
| Chironemidae | |
| <i>Chromis dispilus</i> | Demoiselle |
| Pomacentridae | |
| <i>Coris sandageri</i> | Sandagers wrasse |
| Labridae | |
| <i>Decapterus koheru</i> | Koheru |
| Carangidae | |
| <i>Epinephelus daemeli</i> | Spotted black grouper |
| Serranidae | |
| <i>Girella tricuspidata</i> | Parore |
| Girellidae | |
| <i>Gymnothorax prasinus</i> | Yellow moray |
| Muraenidae | |
| <i>Kyphosus sydneyanus</i> | Silver drummer |
| Kyphosidae | |
| <i>Myliobatus tenuicaudatus</i> | Eagle ray |
| Myliobatidae | |
| <i>Nemadactylus douglasii</i> | Porae |
| Cheilodactylidae | |
| <i>Notolabrus celidotus</i> | Spotty |
| Labridae | |
| <i>Notolabrus fucicola</i> | Banded wrasse |
| Labridae | |
| <i>Obliquichthys maryannae</i> | Oblique swimming tri |
| Tripterygiidae | |
| <i>Odax pullus</i> | Butterfish |
| Odacidae | |
| <i>Pagrus auratus</i> | Snapper |
| Sparidae | |
| <i>Parika scaber</i> | Leatherjacket |
| Monacanthidae | |
| <i>Parma alboscaphularis</i> | Black angelfish |
| Pomacentridae | |
| <i>Pempheris adspersus</i> | Bigeye |
| Pempheridae | |
| <i>Pseudolabrus luculentus</i> | Orange wrasse |
| Labridae | |
| <i>Pseudolabrus miles</i> | Scarlet wrasse |
| Labridae | |
| <i>Scorpaena cardinalis</i> | Northern scorpionfish |
| Scorpaenidae | |

| | |
|---------------------------------|---------------|
| <i>Scorpis lineolatus</i> | Sweep |
| Scorpidae | |
| <i>Scorpis violaceus</i> | Blue Maomao |
| Scorpidae | |
| <i>Seriola lalandi</i> | Kingfish |
| Carangidae | |
| <i>Trachurus novaezelandiae</i> | Jack mackerel |
| Carangidae | |
| <i>Upeneichthys lineatus</i> | Goatfish |
| Mullidae | |

ALGAE

'Coralline paint' (thin encrusting seaweed, sheltered 'detrital' zone, shallow exposed zone, medium depth)

Asparagopsis (red alga)

Carpophyllum angustifolium (tough brown algae; shallow exposed zone, shallow surge channels)

Carpophyllum flexuosum (sheltered 'detrital' zone)

Carpophyllum maschalocarpum (sheltered 'detrital' zone, shallow surge channels)

Carpophyllum plumosum

Champia (red seaweed, shallow water, broken rocky bottom)

Ecklonia radiata (kelp) (sheltered 'detrital' zone, medium depth, deep canyons and gullies)

Gigartina alveata (exposed intertidal rocks near sand)

Gigartina circumcincta (red alga)

Hormosira banksii (Neptune's necklace; intertidal semisheltered rocks)

Landsburgia quercifolia (oak-leaf weed; exposed, shallow subtidal rock)

Lessonia variegata (shallow exposed zone, deep canyons and gullies)

Lithothamnium (coralline seaweed)

Lophurella

Melanthalia abscissa (red)

Nemastoma

Pachymenia hymantophora

Pterocladia lucida ('agar' weed; sheltered 'detrital' zone, shallow surge channels)

Sargassum sinclairii (out from Pa Point, low relief rock bottom)

Vidalia colensoi (serrated-leaved red algae, shallow surge channels)

Xiphophora chondrophylla (sheltered 'detrital' zone ; exposed low tidal rocks)