

# MĀORI VALUES AND WETLAND ENHANCEMENT



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## 3.TAONGA CLASSIFICATIONS AND SPECIES

Assessing whether culturally significant taonga species are present or absent

Example: Taonga species lists comparing taonga from 1840 to 1880, the present day, and the future, to achieve restoration/enhancement goals.

Taonga species 1840 to 1880	Taonga species Present	Taonga species Future?
Habitats – 1840 to 1880	Habitats – Present	Habitats to re-establish taonga species and mauri
<b>Ngā Ika</b> Tuna (freshwater eels) Īnanga (whitebait) Porohe, paraki (smelt) Piharau, kanakana (lamprey) Aua (yellow-eyed mullet) Kanae (grey mullet) Mohoao (black flounder) Kōura, kēwai (freshwater crayfish) Patiki (flounder) Kahawai	Tuna Īnanga Porohe, paraki	Tuna Īnanga Piharau, kanakana Kōkopu Kōaro Kāeo Kōura, kēwai
<b>Ngā mātaītai</b> Kāeo, kākahi, kuku, kūtai, kahika (freshwater mussel) Pipi Tuangi (cockle)	Pipi	Kāeo, kākahi, kuku, kūtai, kahika Pipi Tuangi
<b>Ngā tipu taketake</b> Wiwi Harakeke Kuta Raupō Ti kōuka Mānuka Kānuka Kahikatea Tōtara	Wiwi Raupō Mānuka	Wiwi Harakeke Kuta Raupō Ti kōuka Mānuka Kānuka Kahikatea Tōtara

Main groups of unwanted (e.g. introduced, exotic) flora and fauna		
Animals	Plants	Fish
Goats Possums Stoats Rats Deer Cattle Horses	Crack Willow Grey Willow Gorse Old mans beard Pine Blackberry Himalayan honeysuckle Machurian wild rice	Koi Carp Rudd Catfish Mosquito fish
Birds		Micro-organisms
Ducks Swans Canada geese	<i>Lagarasiphon major</i> <i>Elodea canadensis</i>  Red algae Water buttercup Pondweed Waternet	Toxic algae  Parasites, protozoa (e.g. <i>Giardia cryptosporidium</i> )  Bacteria (e.g. <i>E.coli</i> , <i>Campylobacter</i> ), faecal coliforms
	Insects	
	Mosquito	

Examples of wetland taonga species

- Raupō (Bulrush – *Typha orientalis*)
- Harakeke (Flax – *Phormium tenax*)
- Wiwi (Rushes – *Juncus* spp.)
- Oioi (*Apodasmia similis*)
- Kiokio (Swamp kiokio, fern – *Blechnum novaezelandiae*)
- Kuta, ngāwhā, paopao (Giant spike sedge – *Eleocharis sphacelata*)
- Toetoe (*Cortaderia toetoe*)
- Pūrekireki, pūrei (*Carex secta*)
- Ti kōuka (Cabbage tree – *Cordyline australis*)
- Mānuka (*Leptospermum scoparium*)
- Hukihuki (Swamp coprosma – *Coprosma tenuicaulis*)
- Kahikatea (*Dacrycarpus dacrydioides*)
- Tōtara (*Podocarpus totara*)
- Tuna (Freshwater eels)
- Longfin eel (*Anguilla dieffenbachii*)
- Shortfin eel (*A. australis*)
- Common bully (*Gobiomorphus cotidianus*)
- 5 main *Galaxias* spp. (īnanga, banded kōkopu, shortjaw kōkopu, giant kōkopu, kōaro)
- Īnanga (Whitebait – *Galaxias* spp.)
- Banded kōkopu (*G. fasciatus*)
- Shortjaw kōkopu (*G. postvectis*)
- Kōaro (*G. brevipinnis*)
- Mudfish (*Neochanna* spp.) of *Glaxiidae* family, genera, 4 spp. of mudfish:
  - Brown mudfish (*Neochanna apoda*)
  - Black mudfish (*N. diversus*)
- Kanakana, nganangana, pihapiharau, piharau, pihirau, pipiharau, tuna korokoro (Lamprey – *Geotria australis*)
- Kōura, kēwai (Northern freshwater crayfish – *Paranephrops planifrons*, Southern freshwater crayfish – *P. zealandicus*)
- Pāpaka (Freshwater crabs – *Halicarcinus lacustris*, *Amarinus lacustris*)
- Kāeo, kākahi, kuku, kūtai, kahika (Freshwater mussel – *Echyridella menziesii*)
- Pūkeko (*Porphyrio porphyrio*)
- Papango (NZ scaup or black teal – *Aythya novaeseelandiae*)
- Pateke (NZ brown teal – *Anas chlorotis*)
- Pārera (Grey duck – *Anas superciliosa*)
- Whio (Blue duck – *Hymenolaimus malacorhynchos*)
- Wētā (*Orthoptera*, Families: *Stenopelmatidae* & *Rhaphidophoridae*)

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