# Māori identity and wellbeing is threatened by climate change

Te whenua, te wai, and taonga species are being affected by climate change, which threatens traditional practices connected to Māori identity and wellbeing.

# The timing of tohu are changing

Traditional tohu are used to help forecast changes in the natural environment. They are becoming less reliable, and this is affecting planting, daily decision-making, and activities like resource gathering and hunting.



# The loss of



## **Culturally significant** places are at risk of being damaged

Many marae and urupā are threatened by flooding and erosion from sea-level rise and extreme weather events.

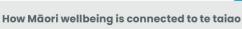


#### Ability to manaaki is threatened

Manaakitanga is a way of life and is especially important on marae where local delicacies are offered generously to manuhiri. Climate change threatens the reliability of tohu, abundance of kai, and sometimes the marae itself.



Taonga species are central to Māori identity and wellbeing. A warming climate is affecting where some species can live, their numbers, and size.





#### Taha tinana: physical wellbeing

rongoā ▶ mahinga kai



#### Taha wairua: spiritual wellbeing

karakia

waiata



#### Taha hinengaro: mental wellbeing

mātauranga

tikanga

Adapted from Durie, 1985



#### Taha whānau:

social wellbeing

▶ manaakitanga

whanaungatanga

### Mātauranga may not be passed on

Losing traditional resources from the moana, awa, and ngahere is not just a loss in the present. It affects future generations because the tikanga and mātauranga Māori associated with the resource and the practices around its harvest and use would also be lost.

### Glossarv

awa: river | kai: food | karakia: prayer | mahinga kai: food gathering place | manaakitanga: the practice of hospitality | manuhiri: visitors marae: cultural gathering centre | mātauranga: knowledge | moana: ocean | ngahere: forest | rongoā: medicinal plants taonga species: treasured species | tikanga: customary protocols | tohu: environmental indicator | urupā: burial grounds wai: water | waiata: songs | whanaungatanga: socialisation | whenua: land

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