

NGĀ TOHU O TE AO

RECLAIMING MARAMATAKA KNOWLEDGE
TO INFORM TRANSFORMATIVE PRACTICE
IN MARINE MONITORING AND
MANAGEMENT

WAO TŪPUNA | RECLAIMING ANCESTRAL KNOWLEDGE OF MARAMATAKA

These information cards are part of a series of publications tracking the progress of the Ngā Tohu o te Ao research programme. Collectively, they are intended to present evolving theory and practice in reclaiming traditional knowledge of maramataka, in order to inform transformative practice in marine monitoring and management.

The cards specifically focus on Wao Tūpuna, the reclamation of ancestral knowledge, one of the three fundamental elements of the Wao Atua Framework. Each card elaborates on one of the three key aspects of Wao Tūpuna, focusing on the revitalisation of ancestral cultural knowledge: Whenua—creating culturally appropriate spaces; Tipu—exploration of Māori language; and Hua—sharing reclaimed knowledge.

ACKNOWLEDGEMENTS

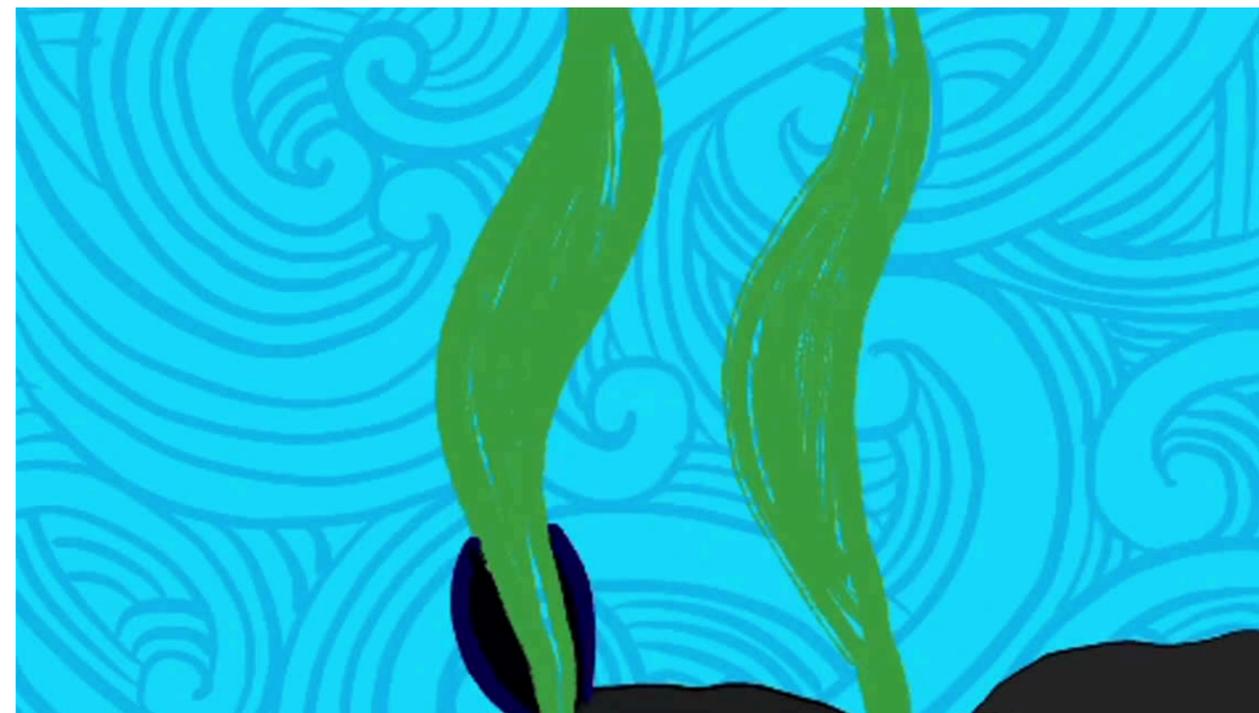
Ngā Tohu Research Collective—Ngā Pāpaka, Tauranga; Pākirikiri Wānanga, Tokomaru Bay; Ngātaki Collective, Ngātaki.
Sustainable Seas National Science Challenge

HUA

KA TIPU, KA REA, KA HUA
SHARING THE ABUNDANCE

Hua focused on developing resources and products based on reclaimed maramataka knowledge, each tailored to the needs of the whānau research teams. These served two main purposes:

1. The creation of practical interactive resources to guide the testing and refinement of renewed maramataka knowledge within whānau research teams.
 2. The sharing and communication of restored knowledge and wisdom with local whānau communities.
- Adjustable Dials—Available in both digital and hand-drawn forms, these dials were designed to incorporate knowledge of maramataka into usable interactive resources. They were used to guide researchers in tracking the calendric movement of the sun, stars, kaupeka and moon.
 - Posters—Colourful and visually engaging, these posters serve as means of sharing key aspects of recovered maramataka knowledge. They provide quick reference guides for those seeking to understand new concepts at a glance.
 - Videos/Animations—These digital compositions feature imagery of culturally significant areas overlaid with cultural narratives. Created for storytelling purposes, they provide a window into traditional wisdom and heritage, and offer insight into environmental features as a starting point for tohu development.



TAUIRA

"He Tohu" is an animation designed by the Pākirikiri Wānanga research team. It speaks to cultural indicators of pāua, a taonga significant to the whānau of Tokomaru Bay. The animation blends past and present, revealing ancestral knowledge woven into a traditional waiata presented in a contemporary digital form. The waiata was composed by Karauria Ratapu and animated by Te Waiotu Fairlie.