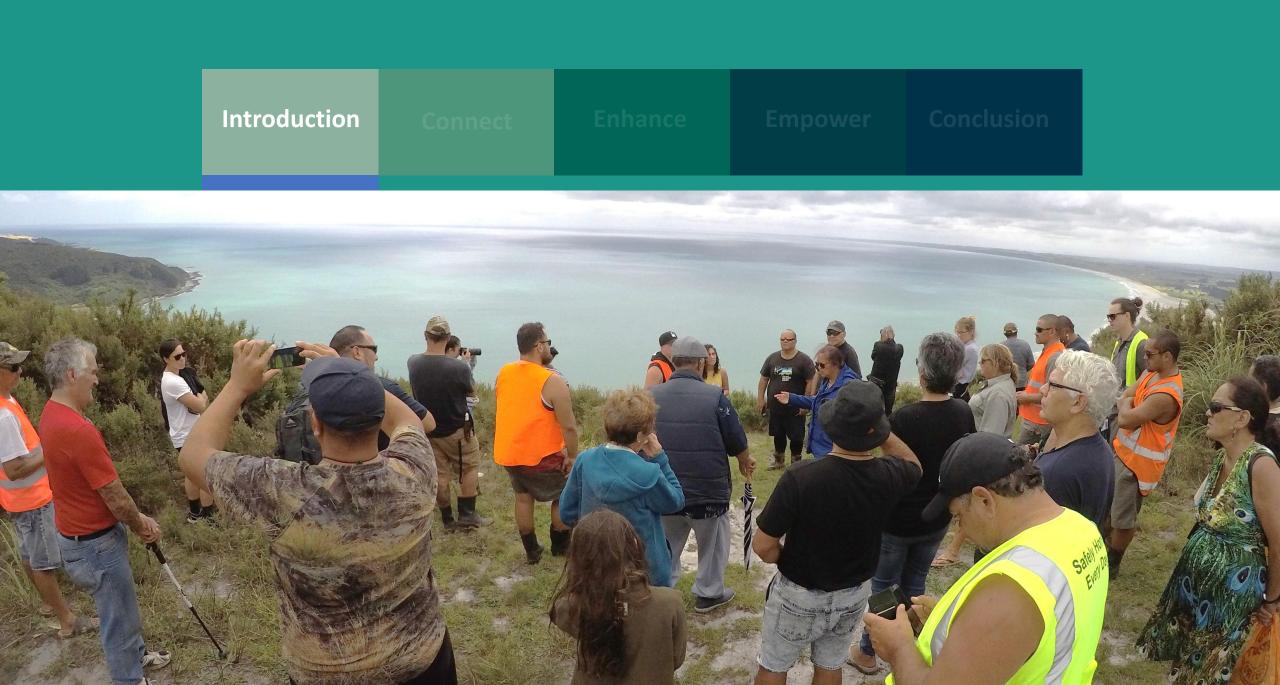
Empowering Kaitiaki Tangaroa Programme



Introduction Connect

Enhai

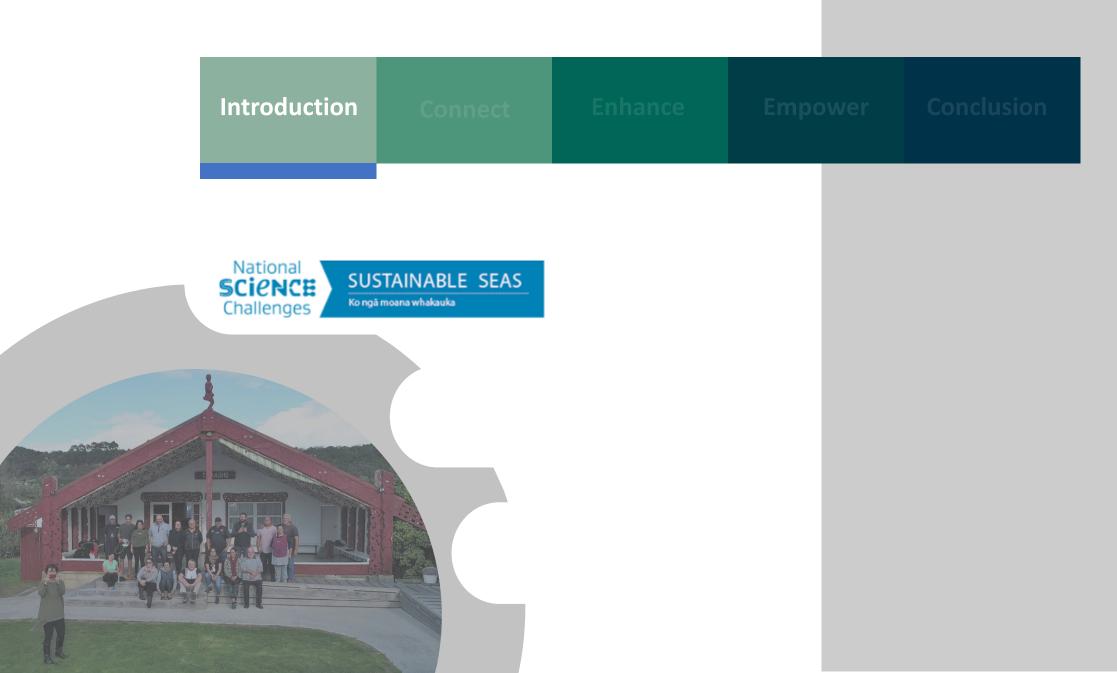
Empowe

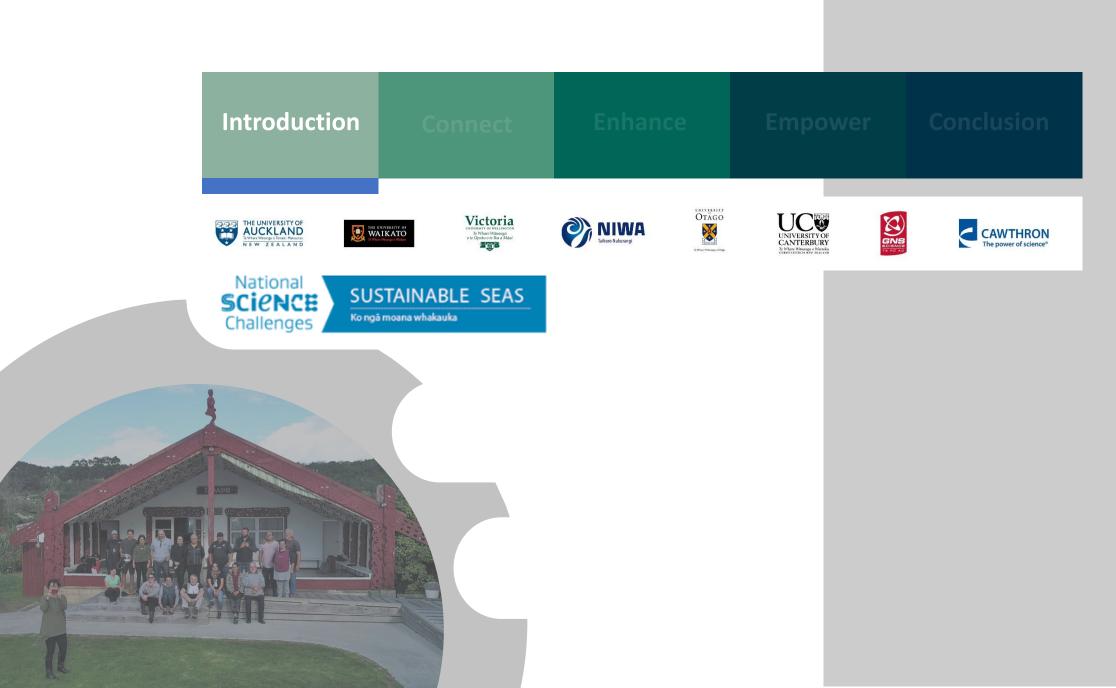
Conclusion

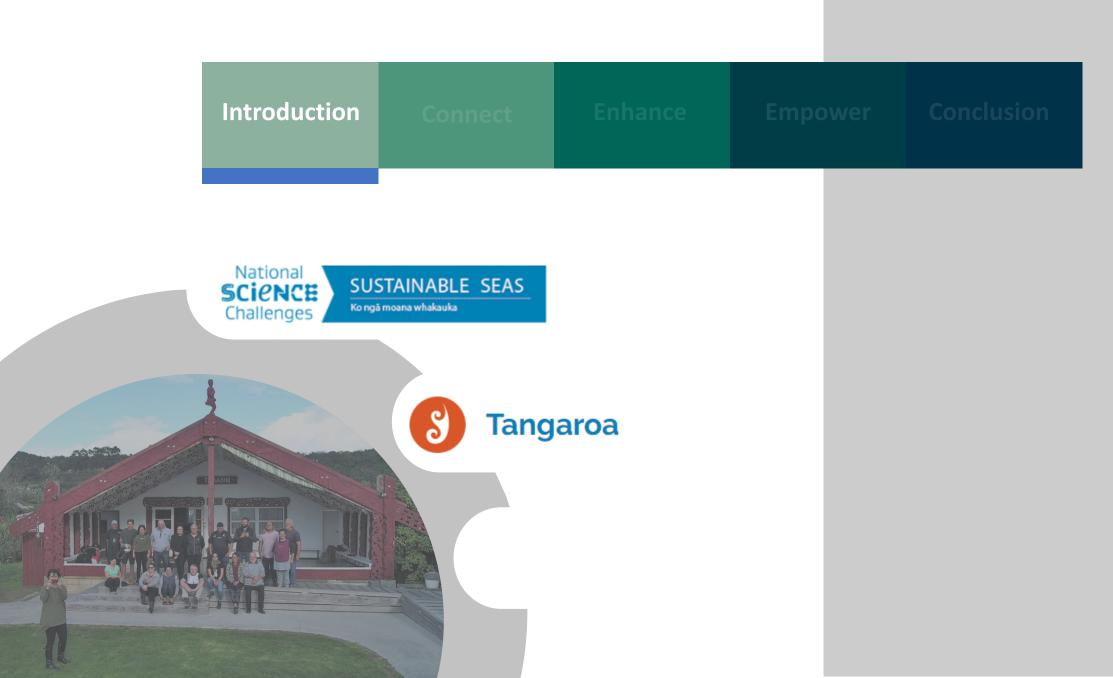
Connect

Introduction Enhance Connect Enhance 5 1

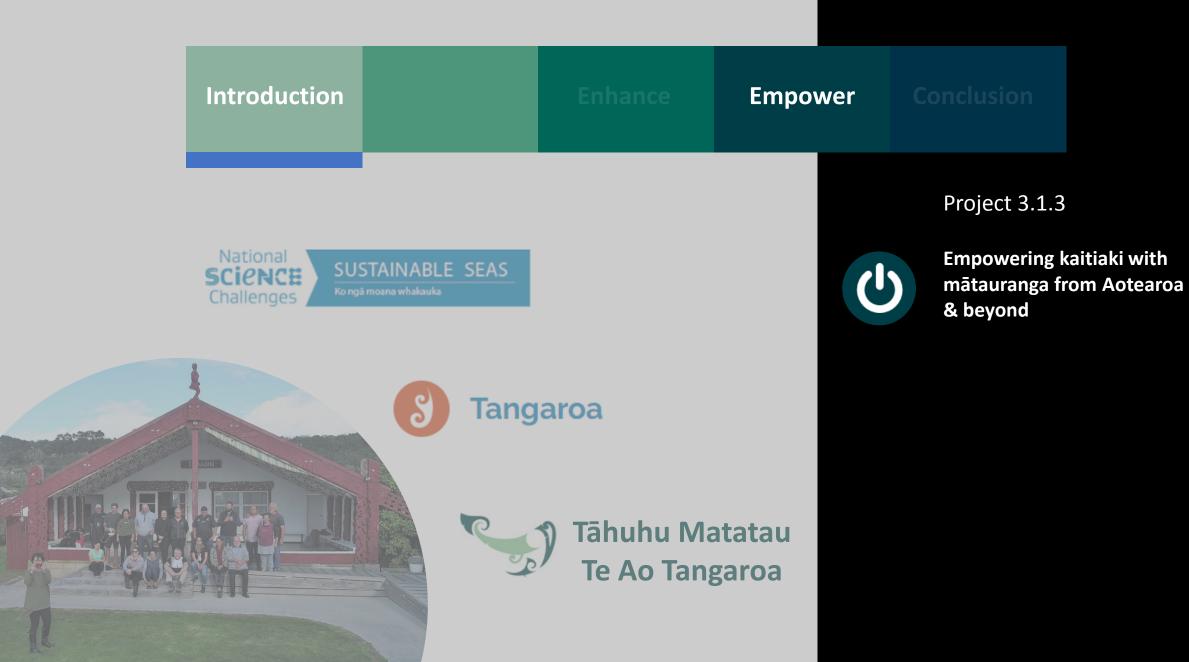
Introduction Empower Æ Empower Connect Enhance **~**

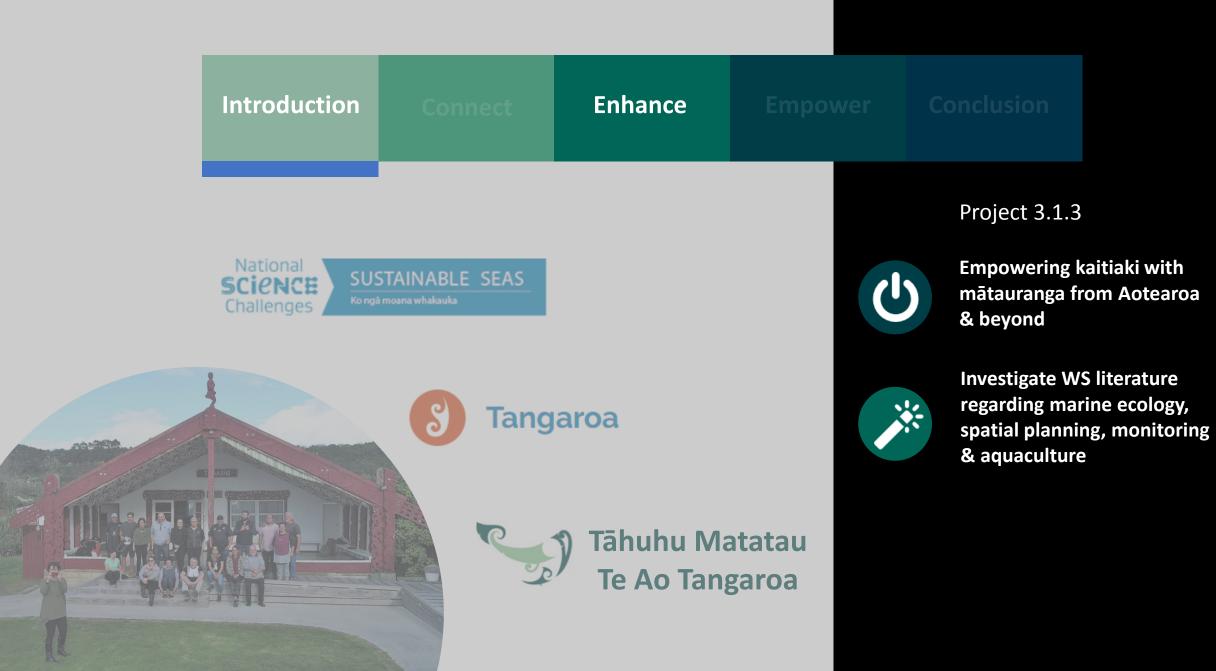




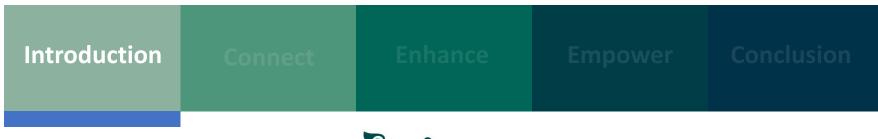
















Caine Taiapa Ngati Ranginui,

Project Manager Research Leader

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Anthony Cole Ngati Raukawa Senior Research Advisor

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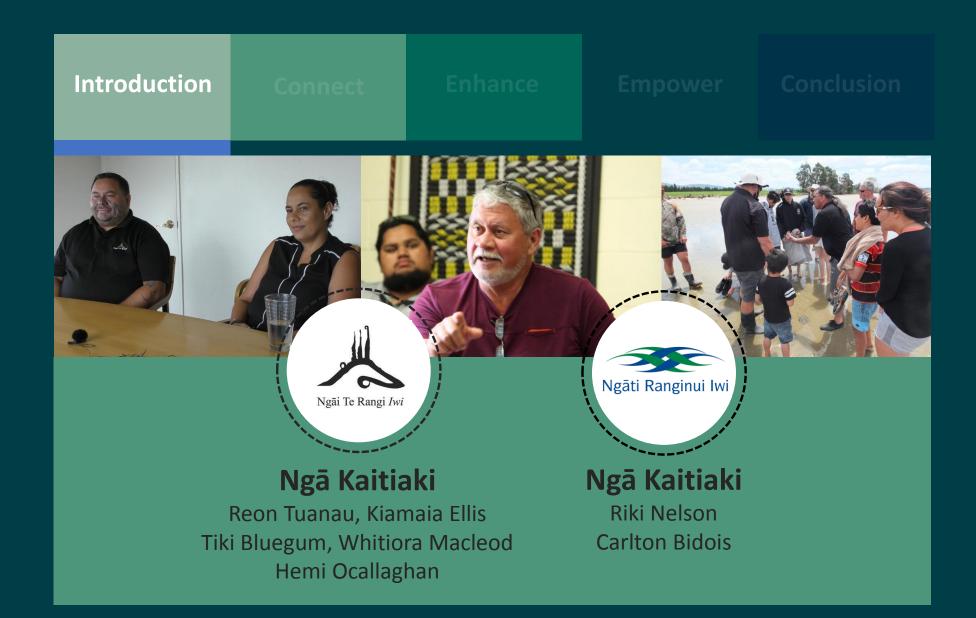


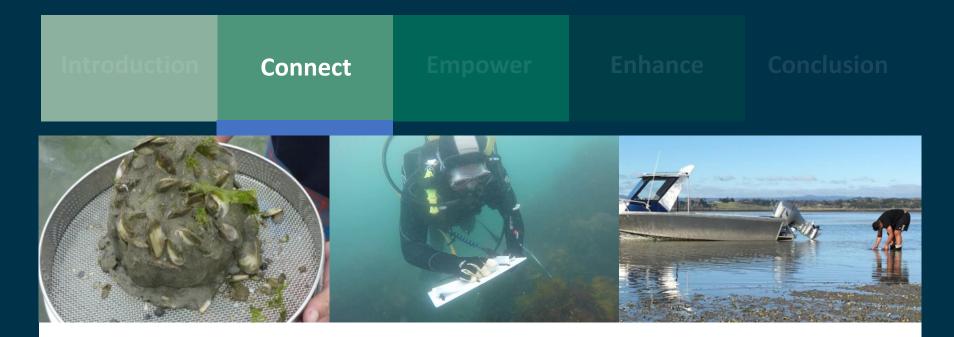
Waiaria Rameka Ngati Tuwharetoa, Senior Researcher

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Regan Fairlie Ngati Porou Research Support





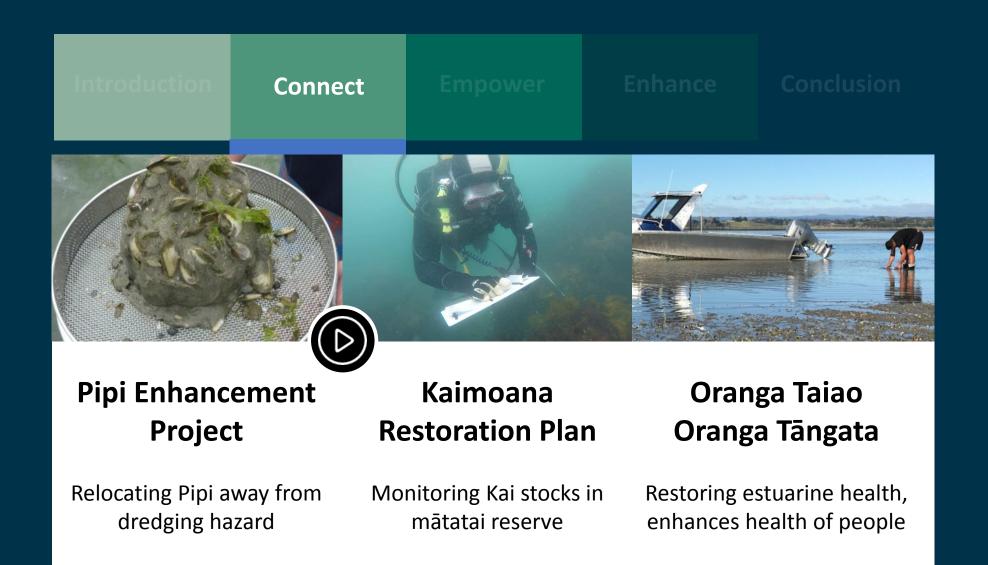
Pipi Enhancement Project

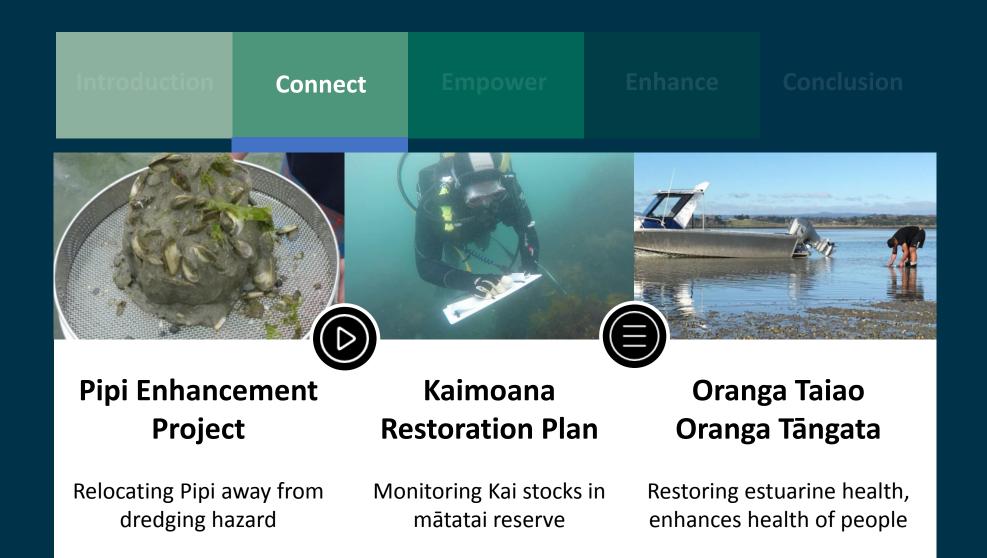
Kaimoana Restoration Plan

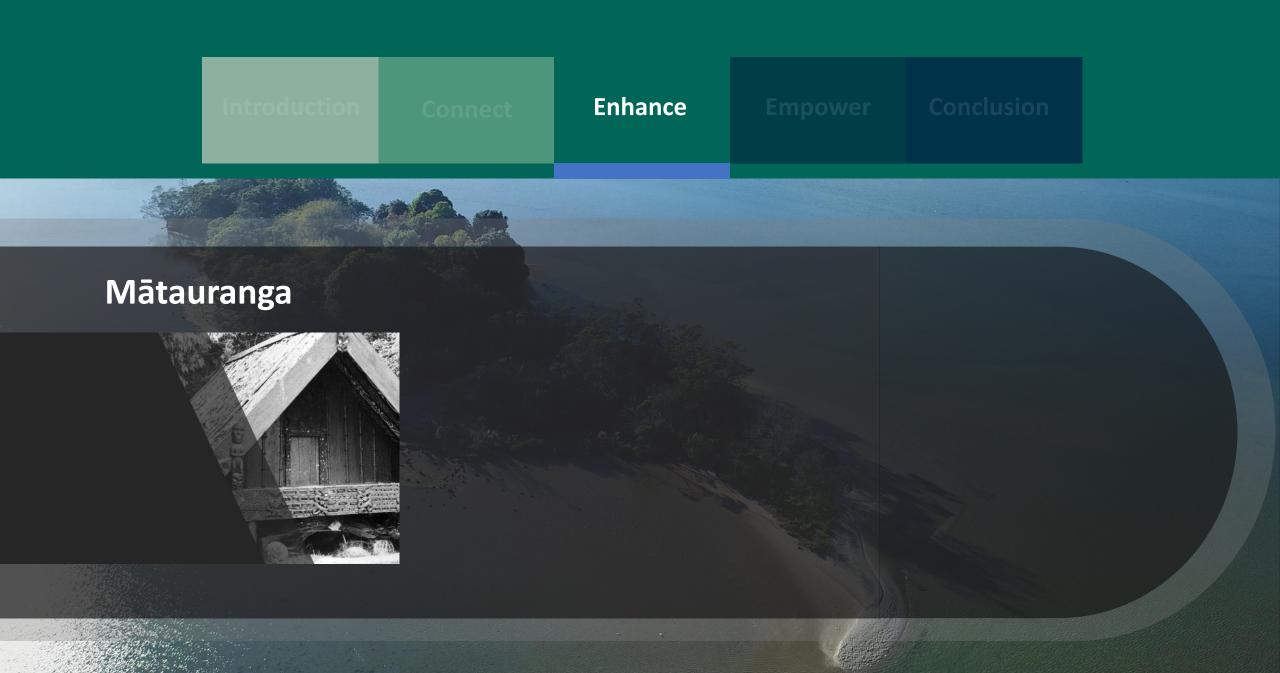
Oranga Taiao Oranga Tāngata

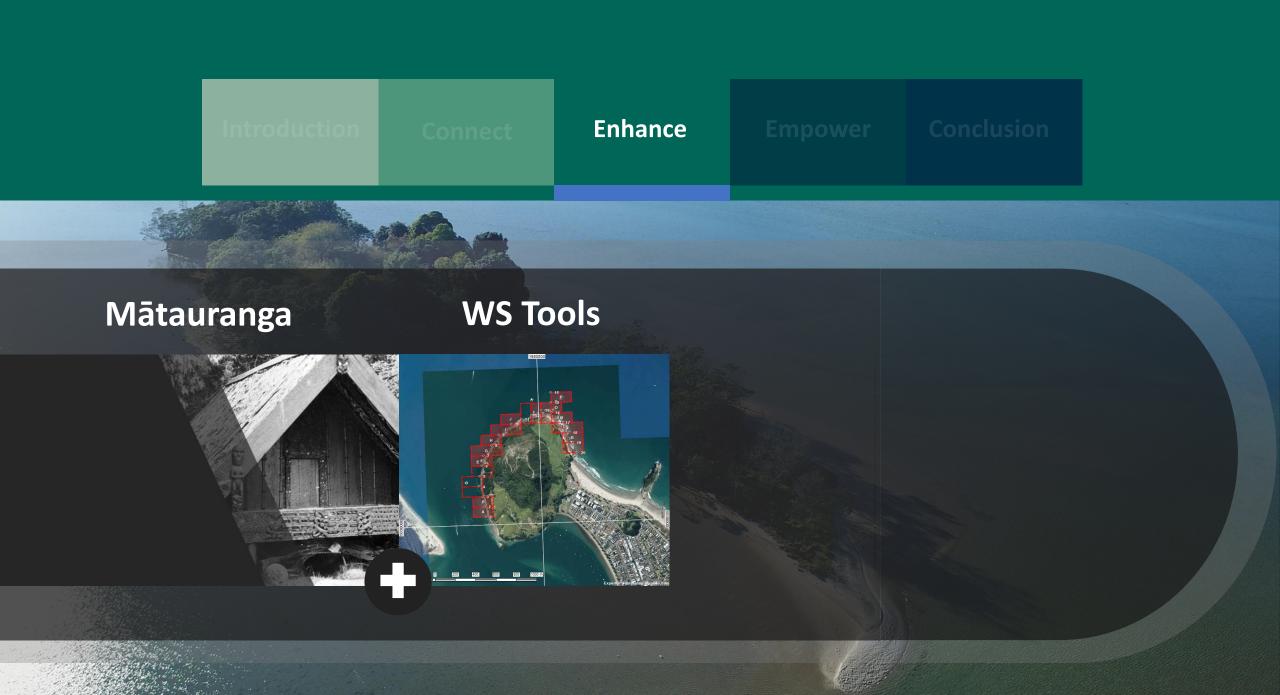
Relocating Pipi away from dredging hazard

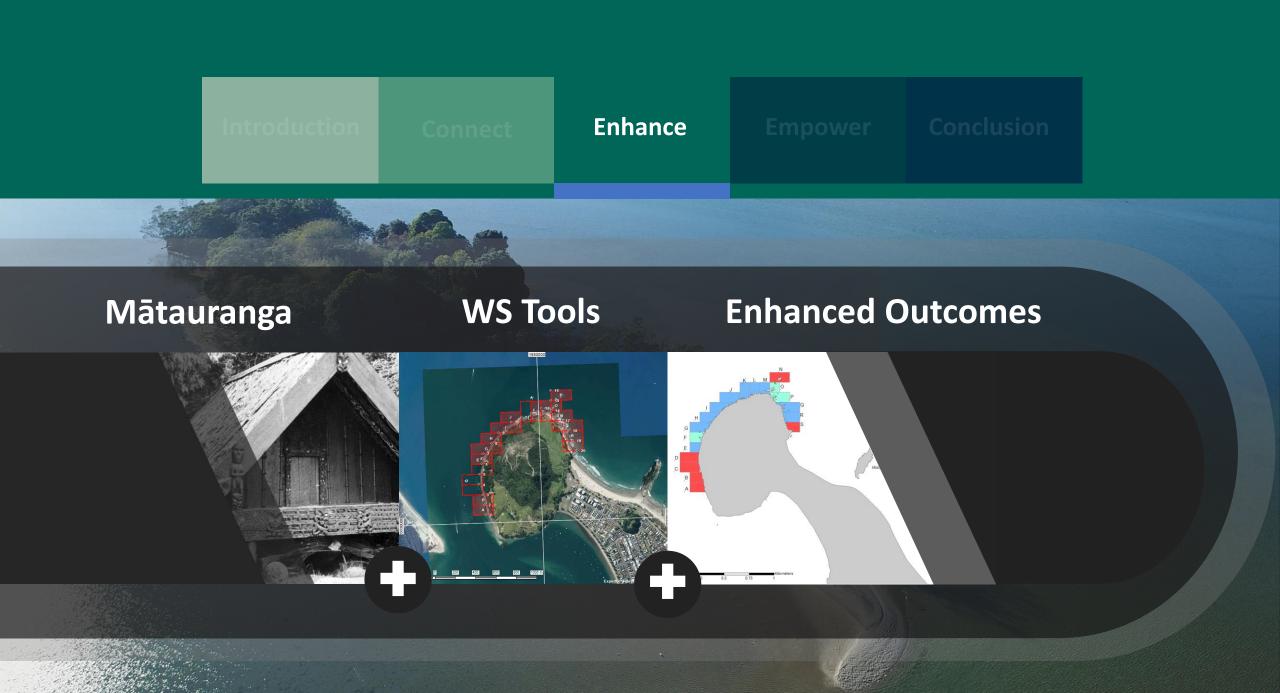
Monitoring Kai stocks in mātatai reserve Restoring estuarine health, enhances health of people

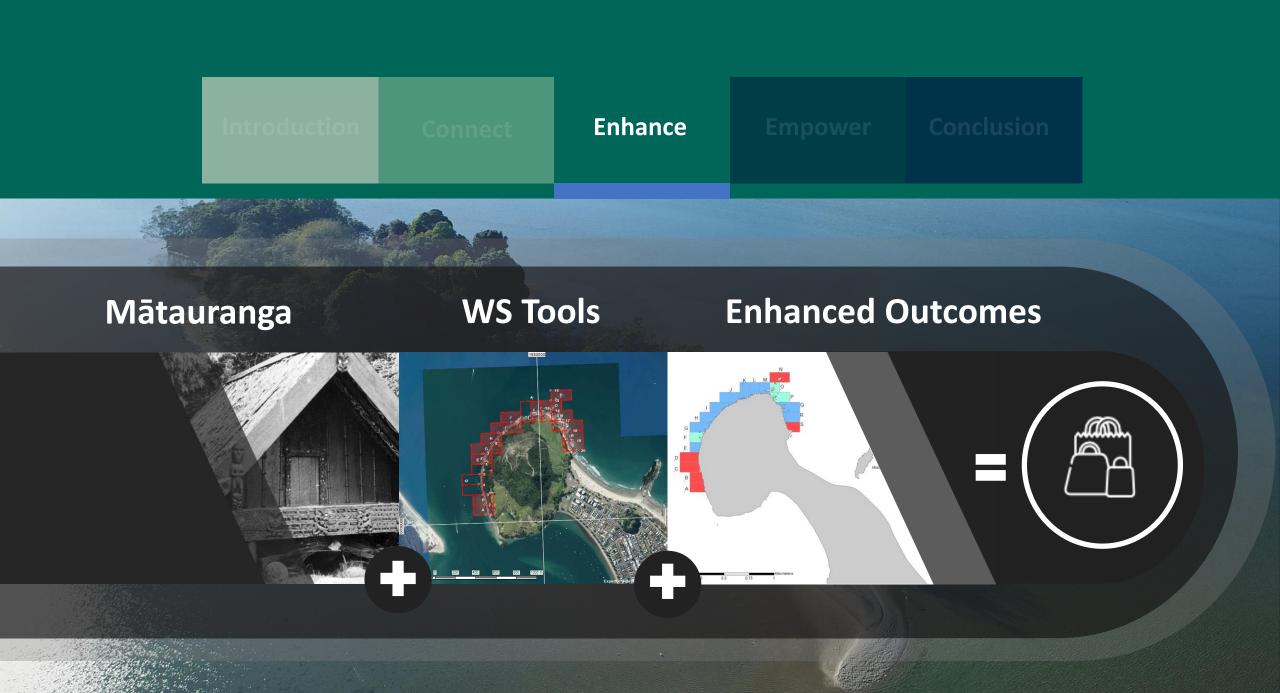


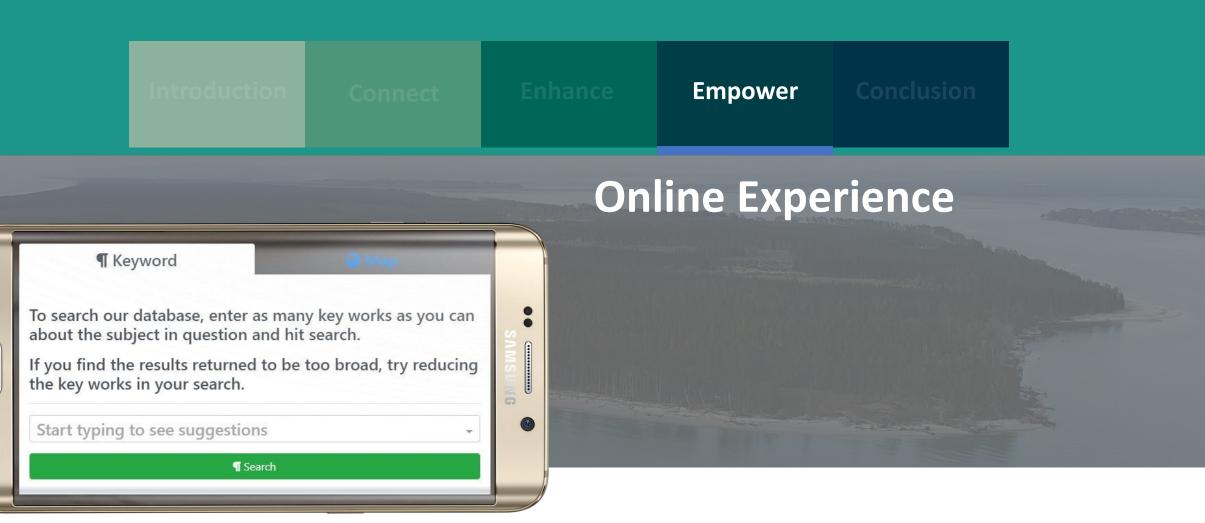


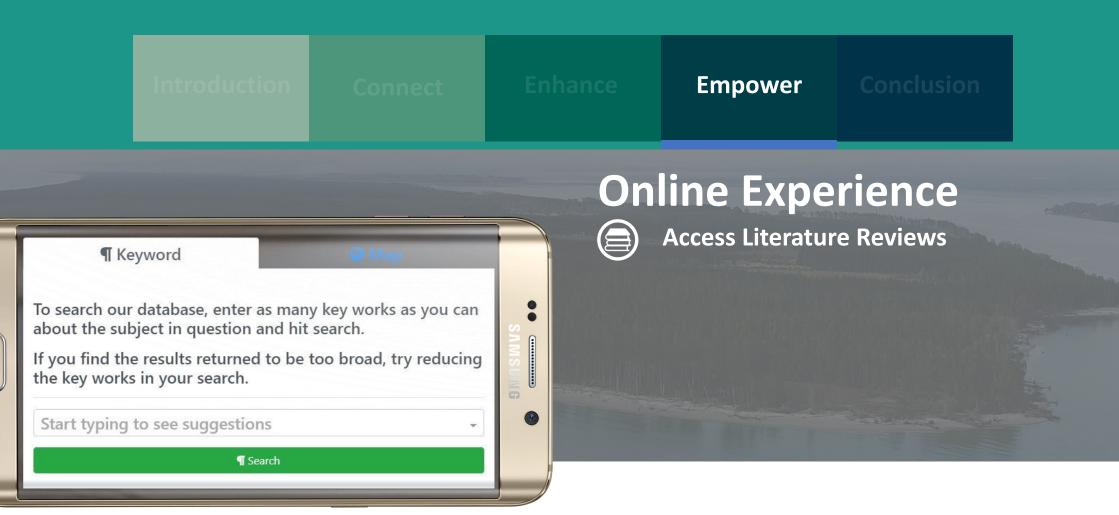


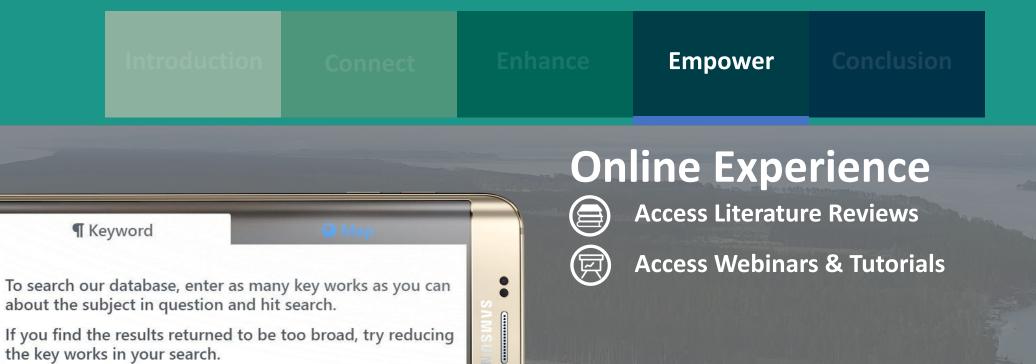








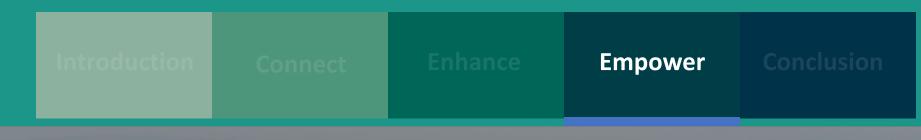




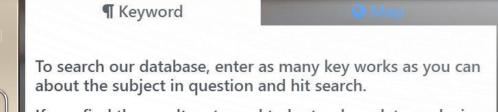
the key works in your search.

Start typing to see suggestions

¶ Search



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If you find the results returned to be too broad, try reducing the key works in your search.

Start typing to see suggestions

Search

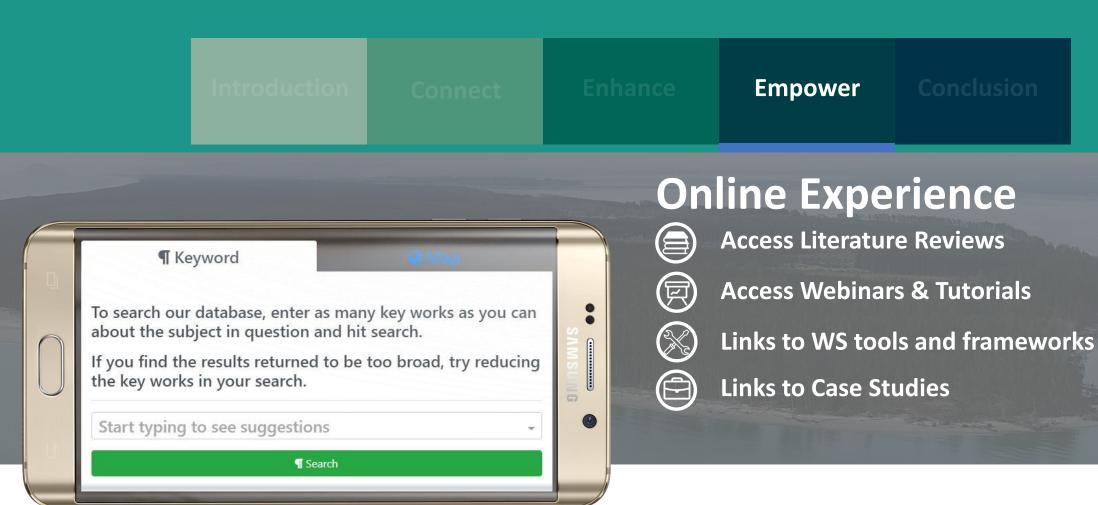
Online Experience

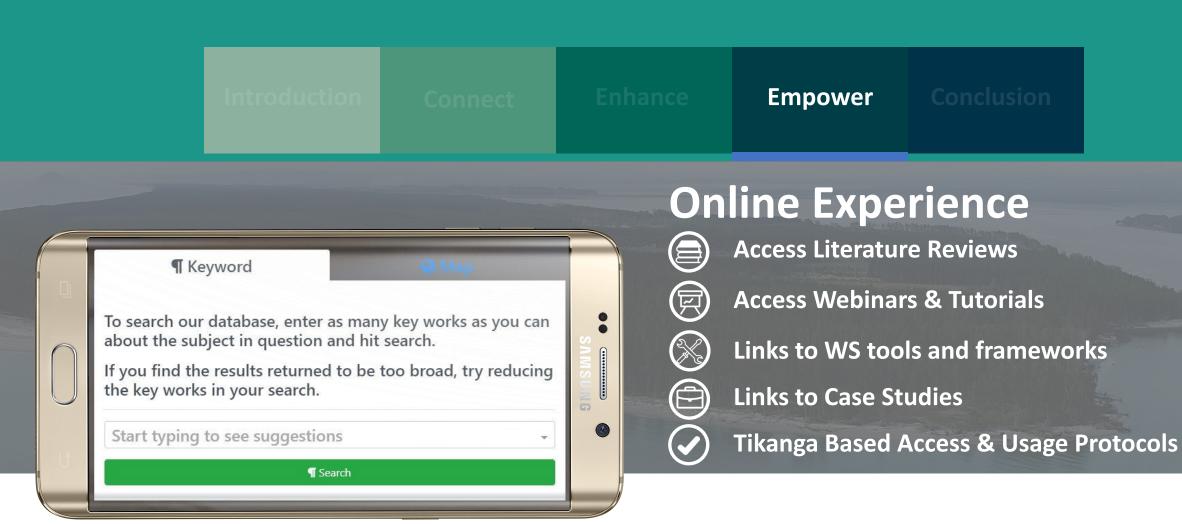
Access Literature Reviews



Access Webinars & Tutorials









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To search our database, enter as many key works as you can about the subject in question and hit search.

If you find the results returned to be too broad, try reducing the key works in your search.

Start typing to see suggestions

Scanned images of maps

ArcGIS map Layers

Marine ecosystem restoration

Marine habitat restoration

United States of America

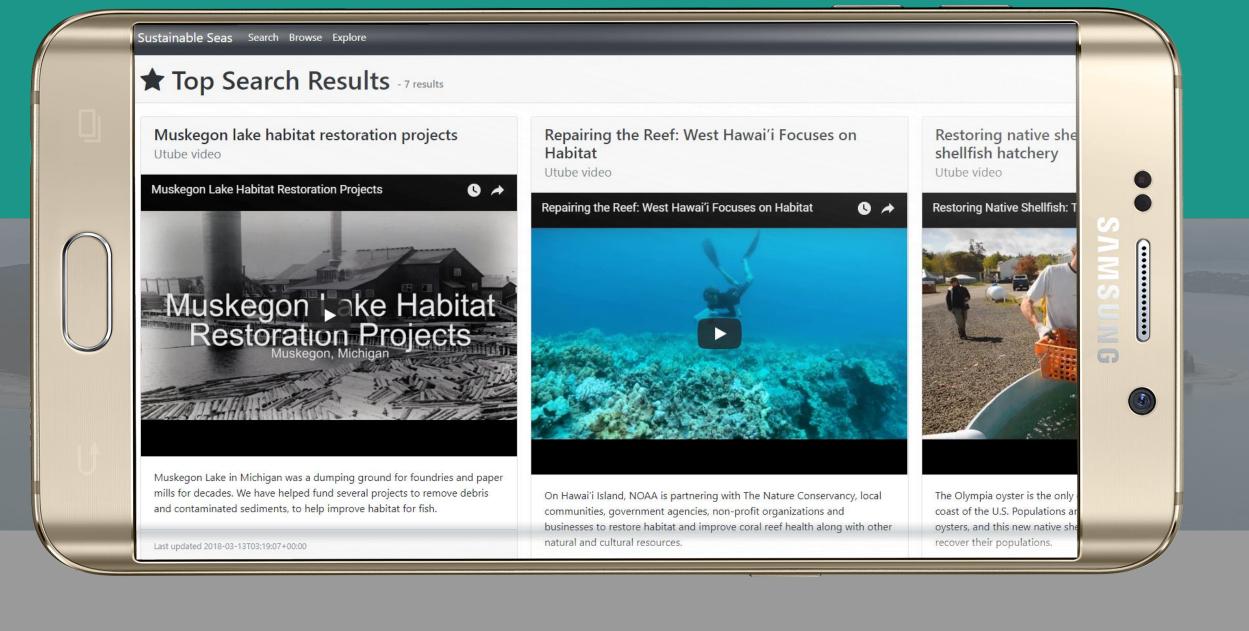
Online Experience

Access Literature Reviews



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- Access Webinars & Tutorials
- Links to WS tools and frameworks
- Links to Case Studies
- **Tikanga Based Access & Usage Protocols**



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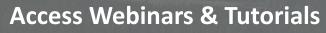
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1 maria	¶ Keyword	S Map				
You can ether enter a locality (optional), you can search th map layers we have available for geo-spatially referenced content						
Latitude	-41.209164		NMSUNG			
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Online Experience

Access Literature Reviews



- Links to WS tools and frameworks
- Links to Case Studies
- Tikanga Based Access & Usage Protocols

Sustainable Seas Search Browse Explore



Here are displayed the map layers and features we have available, toggle them on to display them

Map Layers

Map resource (vector-based GIS shapefile) 10 results

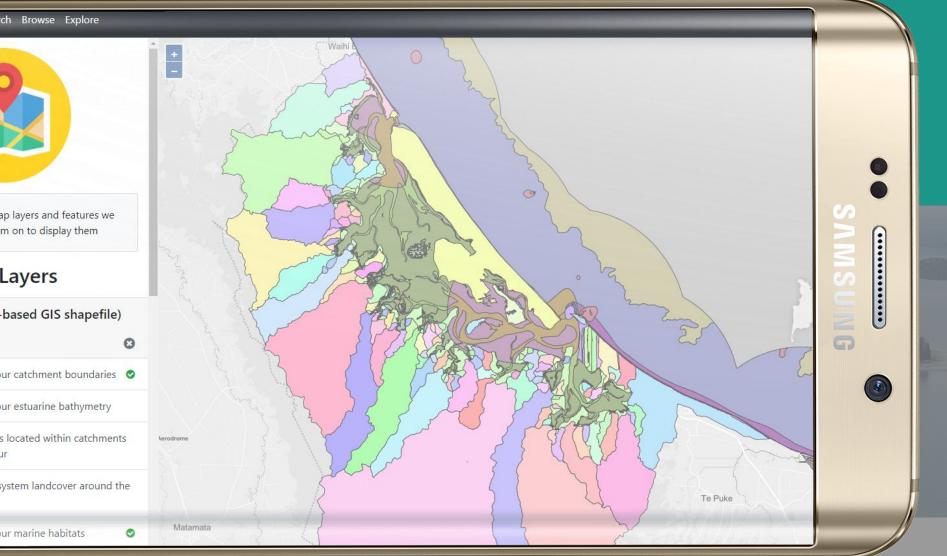
Shapefile of Tauranga harbour catchment boundaries 📀

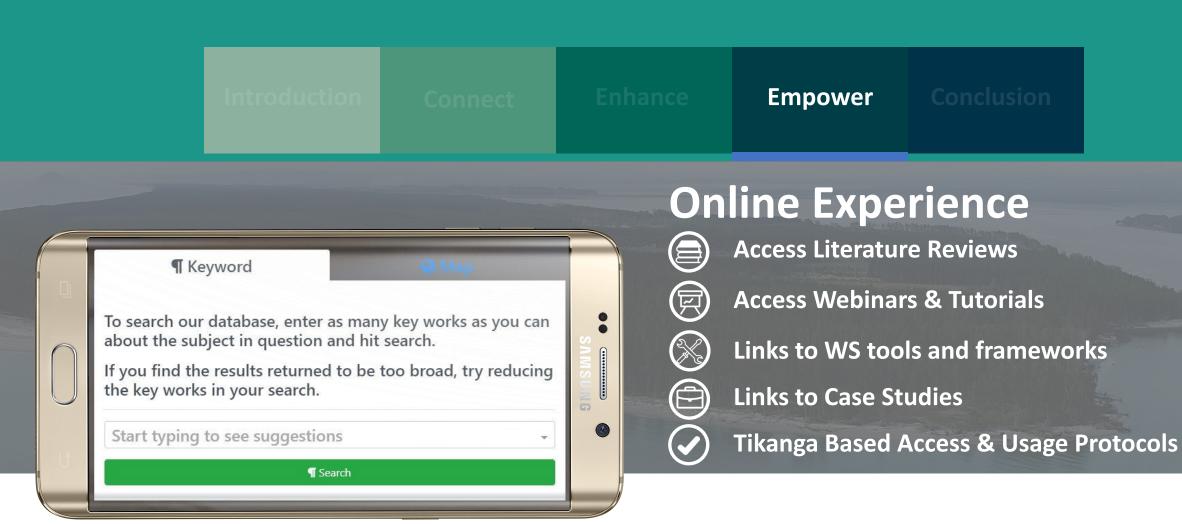
Shapefile of Tauranga harbour estuarine bathymetry

Shapefile of lake ecosystems located within catchments around the Tauranga harbour

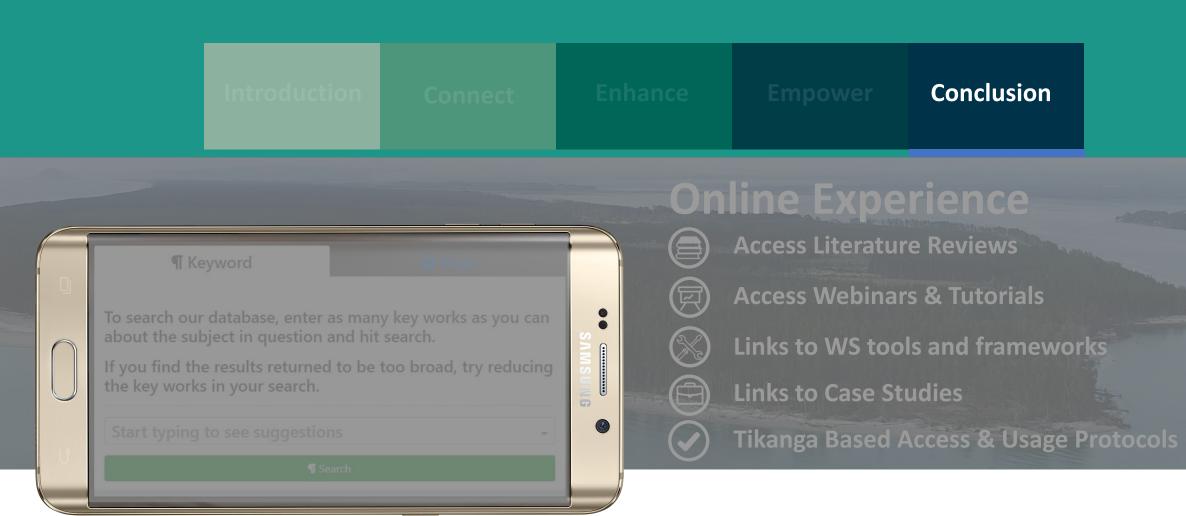
Shapefile of catchment ecosystem landcover around the Tauranga harbour

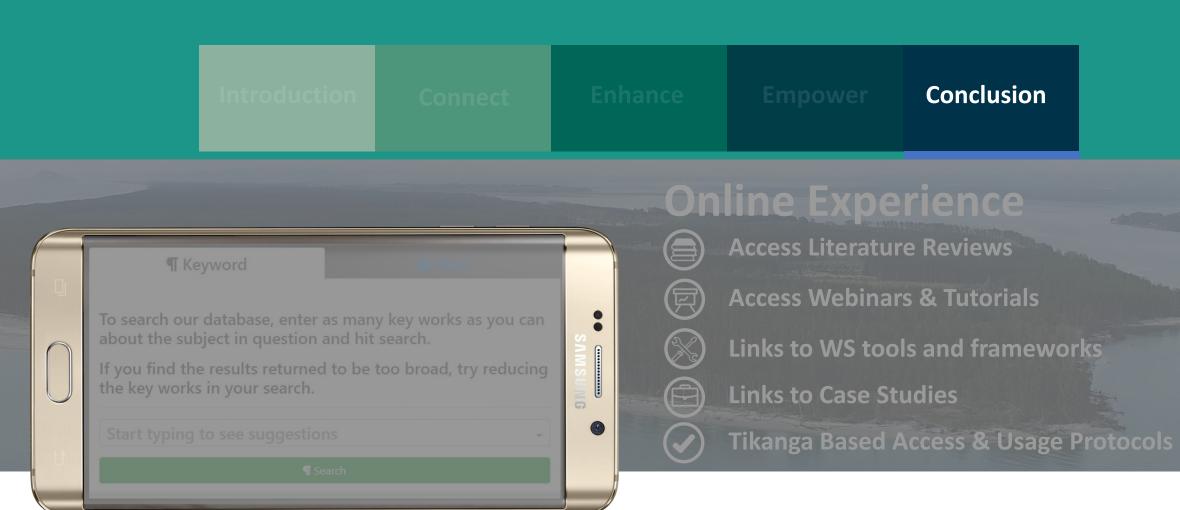
Shapefile of Tauranga harbour marine habitats



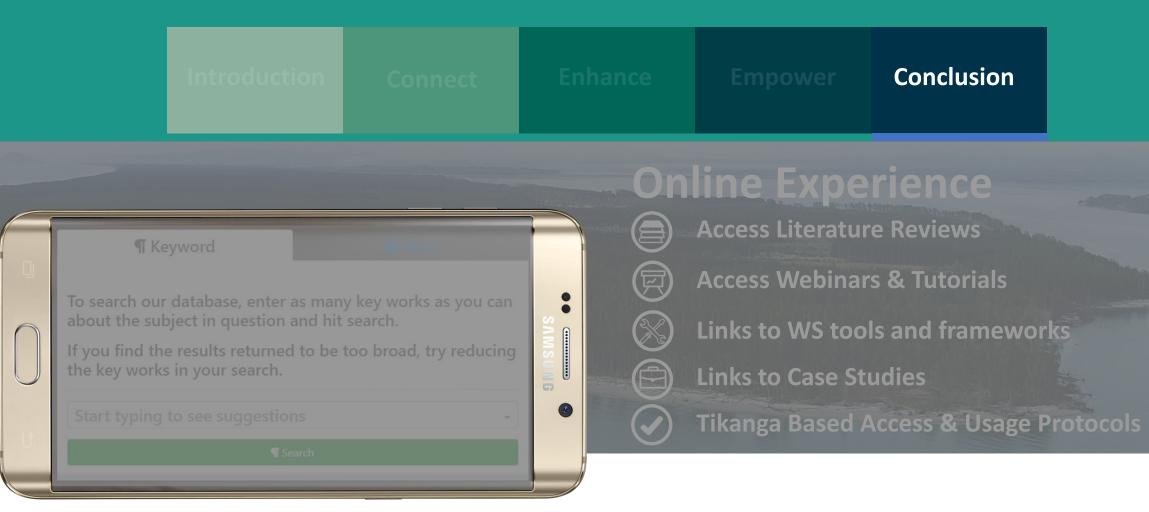


	• @	Author	Year	Title		
	• 6	Alexander, K. A.;	2015	The implications of aquaculture policy and regulation for the development of integrated multi-trophic aquaculture in Europ		
	• 6	Bronnmann, Juli	2017	Sustainable Seafood From Aquaculture and Wild Fisheries: Insights From a Discrete Choice Experiment in Germany		
	• 6	Dat, Pham Tien;	2013	Comparing Mangrove Forest Management in Hai Phong City, Vietnam towards Sustainable Aquaculture		
	• 6	Gui, Jian-Fang	2015	Fish biology and biotechnology is the source for sustainable aquaculture		
닏	• 6	Nobre, A. M.; Ro	2010	Ecological-economic assessment of aquaculture options: Comparison between abalone monoculture and integrated multi-t		
	• 6	Ray, Nicholas E.;	2015	Nitrogen and phosphorus removal by the Algal Turf Scrubber at an oyster aquaculture facility		
	• 6	Rebecca, J. Lawt	2013	Algal bioremediation of waste waters from land-based aquaculture using ulva: selecting target species and strains		
	• 6	Shah, Mahfuzur;	2018	Microalgae in aquafeeds for a sustainable aquaculture industry		
	• 6	Woods, Chris; Flo	2012	Biofouling on Greenshell [™] mussel (Perna canaliculus) farms: a preliminary assessment and potential implications for sustain	60	-
\bigcirc	00	Archambault, Ma	2004	Effects of suspended and sedimented clays on juvenile hard clams, Mercenaria mercenaria , within the context of harmful algal bl		0
	00	Arnold, G. L.; Luc	2004	Runoff from tomato cultivation in the estuarine environment: biological effects of farm management practices		
	0 C	Baker, Tony J.; Tyl	2014	Impacts of metal and metal oxide nanoparticles on marine organisms		
	06	Bartley, Devin M.;	2008	Restocking, Stock Enhancement, and Sea Ranching: Arenas of Progress		
	06	Beattie, Andrew J	2011	Ecology and bioprospecting		
	06	Bell, Johann D.; L	2008	A New Era for Restocking, Stock Enhancement and Sea Ranching of Coastal Fisheries Resources		0
	06	Bell, James J.; Mc	2015	Sediment impacts on marine sponges	G	
	06	Béné, Christophe;	2016	Contribution of Fisheries and Aquaculture to Food Security and Poverty Reduction: Assessing the Current Evidence		
	06	Beuchel, Frank; G	2006	Long-term patterns of rocky bottom macrobenthic community structure in an Arctic fjord (Kongsfjorden, Svalbard) in relation to		
	06	Bo, Tiziano; Feno	2007	Effects of clogging on stream macroinvertebrates: An experimental approach		-
	0 6	Brummett, Randa	2011	From researcher to farmer: partnerships in integrated aquaculture—agriculture systems in Malawi and Cameroon		
	06	Castine, Sarah A.;	2013	Algal bioproducts derived from suspended solids in intensive land-based aquaculture		
	0 Ø	Chick, Rowan C.;	2013	Restocking Depleted Wild Stocks-Long-Term Survival and Impact of Released Blacklip Abalone (Haliotis rubra) on Depleted Wil		
	0 Ø	Chopin, Thierry;	1999	Developing Porphyra /salmon integrated aquaculture for bioremediation and diversification of the aquaculture industry		
	06	Cleary, Daniel F	2007	Environmental associations of sponges in the Spermonde Archipelago, Indonesia	-	
	0 6	Diana, James S.	2009	Aquaculture Production and Biodiversity Conservation		-
	6 4		2015			11





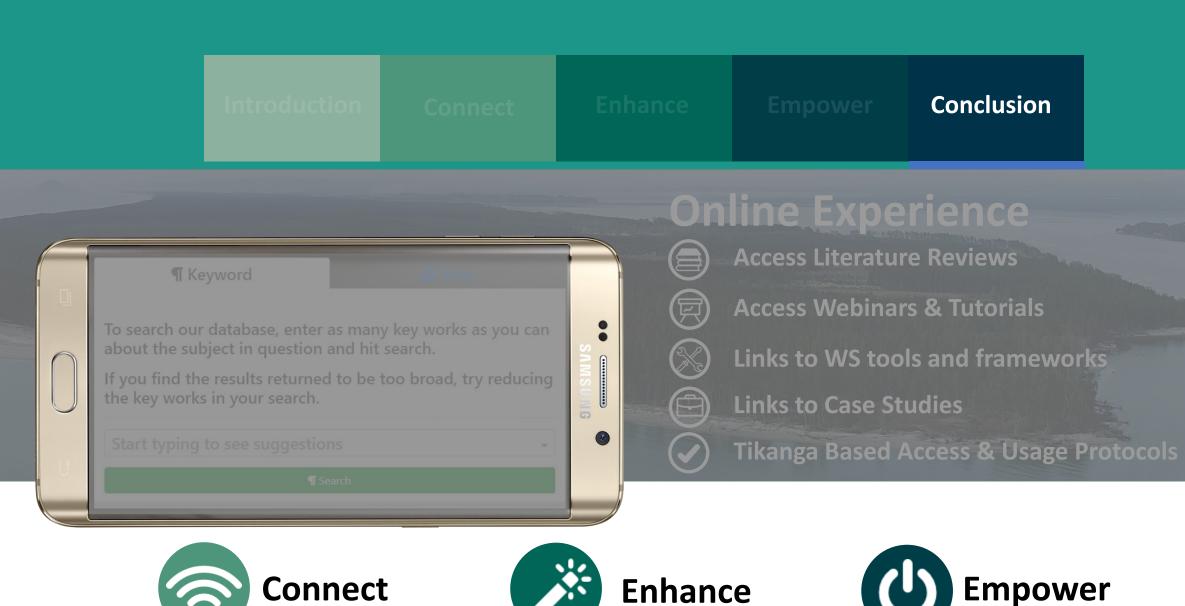


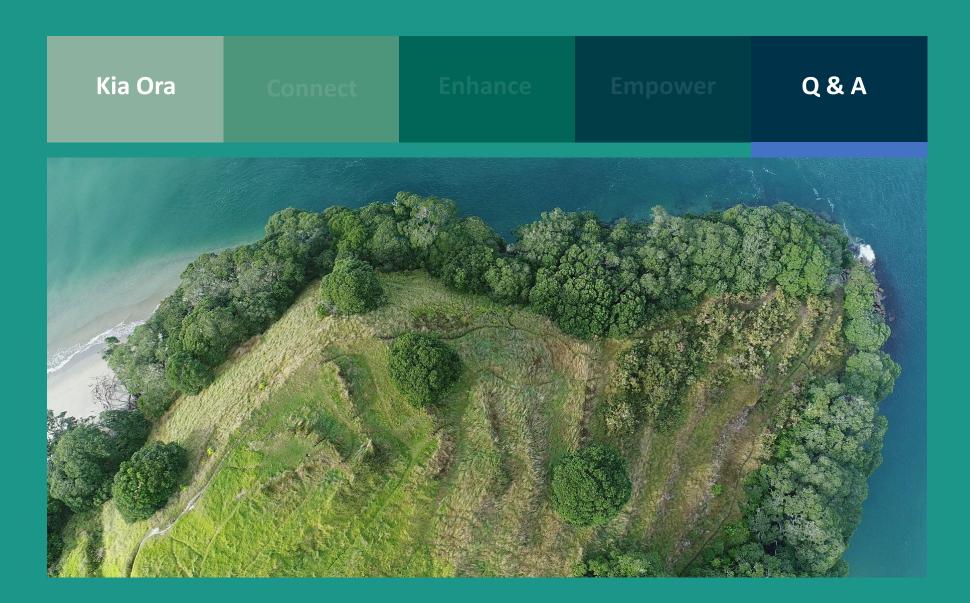






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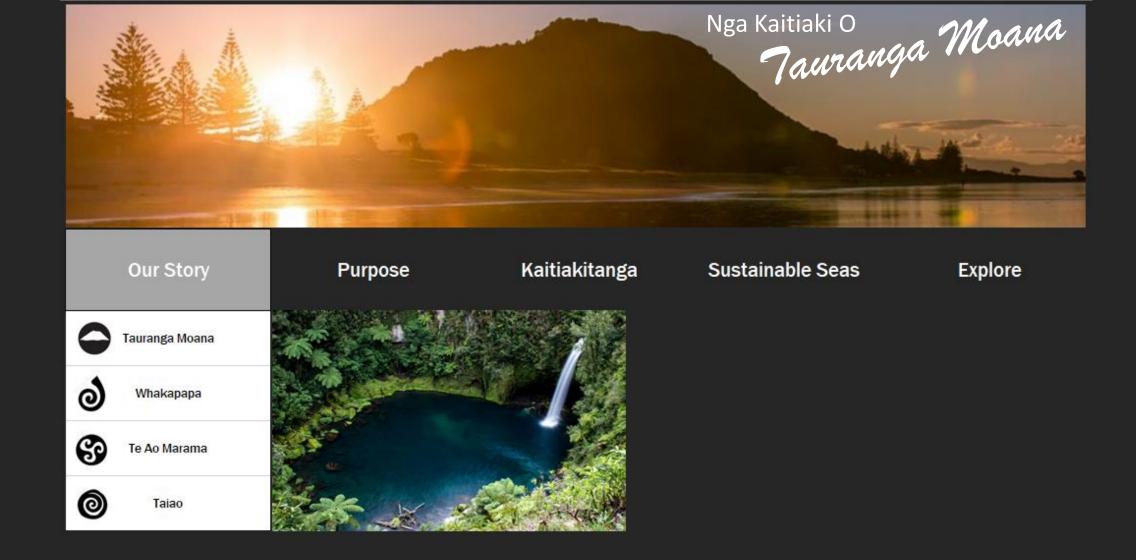
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sustainableseasNC@niwa.co.nz





Our Story

Purpose

Kaitiakitanga

To create a Pataka Mātauranga that hapū and kaitiaki can use for education, research, future co-management and planning activities. There is a strong desire on the part of kaitiaki and hapū to grow this initiative in ways that strengthen current investigative and analytical approaches to better understand how the learnings of Western science can 'empower' the expression of kaitiakitanga in the domain of Tangaroa



Explore

Sustainable Seas



Our Story	Purpose	Kaitiakitanga Sustainable Seas		Explore	
	Project	De	scription	Link	
AT	Pipi Enhancement	The project involved moving pipi from dredge areas, to two selected areas, where they will be monitored by students from two schools, Te Wharekura o Mauao, and Te Puna Matauranga,Te Puna Primary		Manaaki Te Awanui	
	Paua Rahui	Rahui, a pre-European concept deriv between the sky and earth was inter-o to the "raping and pillagin	Te Rarawa		
	Mana Moana	Tauranga Moana iwi marched to get Hau are trying to acquire special rights in the they'll continu	#Mana Moana		



Our Story

Purpose

Kaitiakitanga

Sustainable Seas

Explore

The objective of the Sustainable Seas National Science Challenge is to enhance the value of New Zealand's marine resources, while providing a healthy marine environment for future generations

