
Karstifiable rocks
(potential karst aquifer)
Continuous carbonate rocks
Discontinuous carbonate rocks
WOKAM database;
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TASMAN SEA
Waikoropupu
NEW ZAELAND
PACIFIC OCEAN
0
260
520
Km

Country	MIKAS springs	Coordinates / Nearby City	Spring discharge (Q in l/s,min/av/max) / tapped or not	Criteria* in order / Main justification */ H-historic, A-aesthetic, S-scientific, E-Economic, Ec-ecologic	Data collected by
New Zealand 	1. **Waikoropupu**	S 40.847355 E 172.769454 Z = 17-19 m asl Takaka	5700/13400/14300 Not tapped, downstream used for salmon farm	***H, A, S, Ec*** *One of the largest springs in Oceania. Very high cultural value (wahi tapu) for indigenous Maori people. Spring is protected in National Park. Its 714 km^2 recharge area is only partly protected, but a Water Conservation Order is in legal process to protect the quality and quantity of water recharge. Clearest karst spring ever measured. Close to theoretical limit for water clarity.*	Paul Williams *and Tasman District Council*

MIKAS – Waikoropupu

Aerial shot of Te Waikoropupu Springs taken in 2021. copyright by Bruce Hayward who gave Paul Williams permission to use it. The image shows the springs, the carpark for scale and at left the edge of a fish farm that uses some water from the springs outflow. Within the springs pool is the blue Main Spring at left and Dancing Sands Spring at right, their combined output being about 10 m^3/s. The reddish colour is aquatic weed.

The artesian boil at the Main Spring (Photo by Paul Williams)