Community held values of rivers, lakes and streams in the Waikato and Waipa River catchments





Healthy Rivers | Wai Ora

Wai Ora Maniapoto Māori Trust Board Raukawa Charitable Trust HE RAUTAKI WHAKAPAIPAI Te Arawa River Iwi Trust

- collate and summarise a range of information on the values people hold for the Waikato and Waipa rivers
- range of sources and methods of data gathering
- share an overview of the findings with CSG
- one input to values conversation



Maniapoto Mãori Trust Board Raukawa Charitable Trust APAIPAI Te Arawa River Iwi Trust

Approach

- Document review
 - Research from last 15-20 years
 - Eg WRISS, submissions to RPS



- Qualitative assessment focus groups
 - Hamilton, Te Awamutu, Putaruru and Huntly in 2012
- Quantitative assessment telephone survey 1002 residents of Waikato Region in 2012



lealthy Rivers | Wai Ora HE RAUTAKI WHAKAPAIPAI Te Arawa River Iwi Trust

Maniapoto Mãori Trust Board Raukawa Charitable Trust



Healthy Rivers

PLAN FOR CHANGE

Water quality underpins a range of values



Wai Ora Raukawa Charitable Trust HE RAUTAKI WHAKAPAIPAI Te Arawa River Iwi Trust

Environmental values

- Essential part of natural environment
- Cleanliness single most important aspect
- Water pollution/quality consistently most important issue
- Looked to indicators to decide
 - Clarity, odour, debris
 - Rubbish
 - Weeds and pests
- Naturalness

Healthy Rivers | Wai Ora WHAKAPAIPAI Te Arawa River Iwi Trust

Maniapoto Mãori Trust Board Raukawa Charitable Trust

"We want a clean, unpolluted environment which is open to people and the wild life and the plants that go with it ... "

Focus group participant, Key Research 2012



Wai Ora HE RAUTAKI WHAKAPAIPAI Te Arawa River lwi Trust

Maniapoto Mãori Trust Board Raukawa Charitable Trust

Community and individual values

- Rivers widely used by community
- Provided for social, cultural and recreational needs of the community
- Sustains community wellbeing
- Shared sense of responsibility
- Opportunities for learning

Y Rivers | Wai Ora

Part of family life

Maniapoto Mãori Trust Board Raukawa Charitable Trust WHAKAPAIPAI Te Arawa River Iwi Trust

"It isn't just about our life, it is about the future generations in terms of resources and how we use and treat them ... "

Focus group participant, Key Research 2012



PLAN FOR CHANGE HE RAUTAKI WHAKAPAIPAI TE Arawa River Iwi Trust

Maniapoto Mãori Trust Board Raukawa Charitable Trust

Iwi and Māori values

- Mahinga kai
- Significant sites
- Taonga species
- Recreation
- Wai
- Unique inter-relationships for each iwi

Healthy Rivers Wai Ora Raukawa Charitable Tru PLAN FOR CHANGE HE RAUTAKI WHAKAPAIPAI Te Arawa River Iwi Trust

Cultural and spiritual relationship with water

Maniapoto Mãori Trust Board

Raukawa Charitable Trust



Tuwharetoa Mãori Trust Board

Waikato Raupatu River Trust

Waikato Regional Council

Iwi and Māori values

- Māori had higher response ratings than other ethnicities across almost all areas
 - Usage of the rivers
 - Swimming, paddling or fishing
 - That rivers should provide places for recreational activities and exercise
 - That rivers support an active lifestyle
 - That rivers are a source of food particularly shellfish and watercress
 - That the river contributes to overall wellbeing

Healthy Rivers Wai Ora Raukawa Charitable Trust Board Waikate PLAN FOR CHANGE HE RAUTAKI WHAKAPAIPAI Te Arawa River lwi Trust Waikate

Economic values

- Tourism
- Agriculture

lealthy Rivers

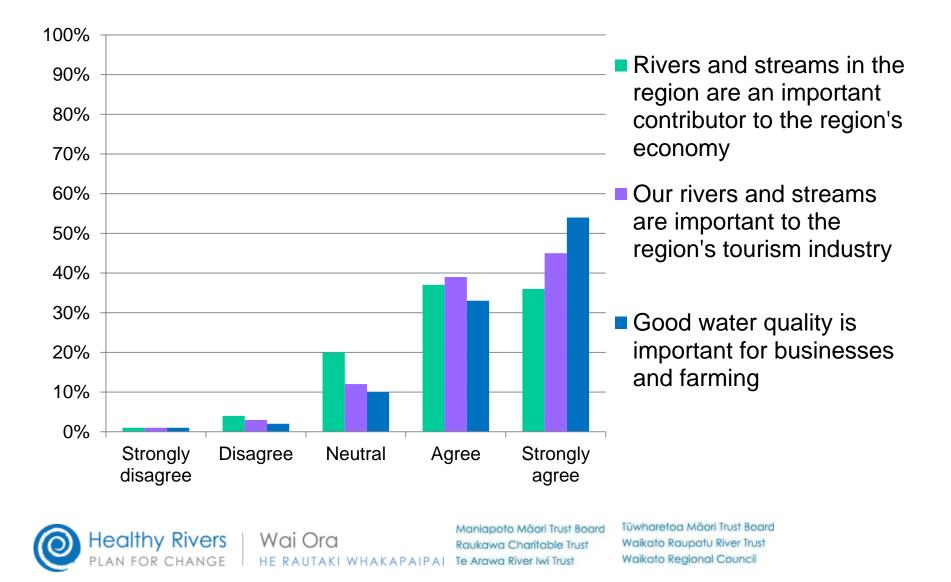


- Economic uses e.g. municipal supply, drinking water, stock water, irrigation, hydroelectricity and geothermal power
- Provides economic opportunities and contributes to economic and social development

Wai Ora HE RAUTAKI WHAKAPAIPAI Te Arawa River Iwi Trust

Maniapoto Mãori Trust Board Raukawa Charitable Trust

Agreement on values: Economic



"Water is the life blood for farming and many businesses, it is essential for our health so needs to be of excellent quality ... "

Focus group participant, Key Research 2012



Wai Ora HE RAUTAKI WHAKAPAIPAI Te Arawa River lwi Trust

Maniapoto Mãori Trust Board Raukawa Charitable Trust

Summary

- Stock take of existing research
- Brought together results from a range of research
- Additional research meant:
 - Information is current
 - Research spans a long period of time
 - Values collected directly from the community
- Values are strongly held and consistent over time

One input into the values conversation



Maniapoto Māori Trust Board Raukawa Charitable Trust WHAKAPAIPAI Te Arawa River Iwi Trust

"When you meet someone in Māori culture you say 'ko wai koe' and what that means is 'who are you' but if you take the translation out of it and just translate word for word it is ko meaning who and wai meaning water, so it is actually 'which water source do you come from'..."

Focus group participant, Key Research 2012



Wai Ora HE RAUTAKI WHAKAPAIPAI Te Arawa River lwi Trust

Maniapoto Mãori Trust Board Raukawa Charitable Trust



Healthy Rivers

Wai Ora HE RAUTAKI WHAKAPAIPAI Te Arawa River Iwi Trust

Maniapoto Mãori Trust Board Raukawa Charitable Trust

References

lealthy Rivers | Wai Ora

- Environmental Risk Management Authority 2004. Incorporating Māori perspectives in Part V decision making. ERMA Policy Series: Protocol 1. November 2004 – ER-PR-01-02 11/04. Wellington, Environmental Risk Management Authority.
- Gravitas Research and Strategy Ltd 2004. Environmental awareness, attitudes and actions: A survey of the people of the Waikato Region 2003. Environment Waikato Technical Report 2004/01. Hamilton, Waikato Regional Council (Environment Waikato).
- Gravitas Research and Strategy Ltd 2006. Environmental awareness, attitudes and actions: A survey of the people of the Waikato Region 2006. Environment Waikato Technical Report 2007/06. Hamilton, Waikato Regional Council (Environment Waikato).
- Key Research and Marketing Ltd, Eclectic Energy 2001. Environmental awareness, attitudes and actions: A survey of the people of the Waikato Region 2000. Environment Waikato Technical Report 2001/02. Hamilton, Waikato Regional Council (Environment Waikato).
- Key Research Ltd 2012. Waikato Regional Council qualitative assessment of water quality values. Internal Series Report 2012/18. Hamilton, Waikato Regional Council.
- Levy M, Hickling L, Neill B 1996. Recreational uses of the Waikato River corridor (Summer 1995/96). Hamilton, University
 of Waikato and Waikato Regional Council (Environment Waikato).
- Marsh D, Baskaran R 2009. Valuation of water quality improvements in the Karapiro catchment: A choice modelling approach using a Bayesian C-efficient design. 17th Annual Conference of the European Association of Environmental and Resource Economics. Amsterdam, Netherlands.

Wai Ora HE RAUTAKI WHAKAPAIPAI Te Arawa River Iwi Trust

- Ministry for the Environment 2010. Māori values supplement: A supplement for the making good decisions workbook.
 Wellington, Ministry for the Environment.
- NIWA 2010. Waikato River independent scoping study. NIWA Client Report: HAM2010-032. Hamilton, NIWA.
- Phillips Y 2014 in press. Non-market values for fresh water in the Waikato and Waipa catchments: a combined revealed and stated preference approach. Waikato Regional Council Technical Report 2014/17. Hamilton, Waikato Regional Council.
- Research Solutions 1998. Environmental awareness, attitudes and actions survey: A survey of the people of the Waikato Region 1998. Environment Waikato Technical Report 1998/16. Hamilton, Waikato Regional Council (Environment Waikato).
- Rutherford K, Williamson B 2010. The Waikato River: Current condition and a framework for restoration. Hamilton, NIWA.
- Sanders T 2001. 2020 Taupo-nui-a-Tia: Summary of community values. Taupo, Taupo District Council.
- Simmons D, Devlin P, Schellhorn M 2000. Lake Taupo/Waikato River recreation assessment. Canterbury, Tourism Recreation Research and Education Centre, Human Sciences Division, Lincoln University.
- Stewart C, Johnston D, Rosen M, Boyce W 2000. Public involvement in environmental management of Lake Taupo: Preliminary results of the 1999 survey. Lower Hutt, Institute of Geological & Nuclear Sciences Limited.
- Versus Research Ltd 2013a. Community held values of Waikato rivers, lakes and streams in the Waikato and Waipa catchments: survey report 2012. Waikato Regional Council Internal Series 2013/22. Hamilton, Waikato Regional Council.
- Versus Research Ltd 2013b. Environmental awareness, attitudes and actions and new ecological paradigm combined survey: A survey of residents of the Waikato Region. Waikato Regional Council Technical Report 2013/41. Hamilton, Waikato Regional Council.
- Waikato Regional Council 2012. Values towards water quality in the Waikato and Waipa Rivers. Unpublished report. Docs <u>2174490</u>.



Wai Ora HE RAUTAKI WHAKAPAIPAI Te Arawa River lwi Trust

Maniapoto Māori Trust Board Raukawa Charitable Trust Te Arawa River Iwi Trust Waikato Raupatu River Trust