

Wai ora

A kaupapa Māori assessment tool

Our Land, Our Future

Tō tātou whenua, mō āpōpō

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 - Kiri Reihana, Yvonne Taura, Dr Shaun Awatere

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 - Waikato-Tainui researchers
 - Ngāti Tahu Ngāti Whaoa
 - Waahi Whaanui
 - Tapuika



KAUPAPA MAORI ASSESSMENT TOOL

- Dual Approach
- Empowers Māori
 Position

Te Ao Pākeha Te Ao Māori Arotake

Ngā Inenga Measures



Hanor

Hauora

Taiao ora – Whānau ora – Mauri ora

Health, Life and Well-being Flourishing Nature – Thriving Families –The Essence of Vitality!







Mātāpono me ngā Ahuatanga Values & Attributes

Taiao ora – Flourishing Nature

- > 1 Is it safe to eat taonga species from this site?
- 2 Do the taonga species have a suitable habitat?

Whanau ora – Thriving Families

- 1 Can whanau exercise manaakitanga?
- 2 Can whanau participate effectively in whanaungatanga?

Mauri ora – The Essence of Vitality

- > 1 Are the senses awakened at the mahinga kai?
- > 2 Do tangata tiaki feel connected to the mahinga kai?



Taiao Ora Flourishing Nature

Is it safe to eat taonga species from this site?

1 Koura: Tail is tightly curved

O Koura: Tail muscle underneath is porcelain white, or other signs of disease KAO

ΑE 1 Tuna: Has an even colouring, fins are intact and eyes are bright

KAO O Tuna: Looks dull or pale with visible signs of boils, ulcers, parasites, and pale eyes

AE 1 Watercress: No evidence of animal grazing, young shoots

KAO 0 Watercress: Evidence of recent grazing by animals, or in flower, green/purple stalks, located close to riparian margins

AUE



Taiao Ora Flourishing Nature

| Do taonga | | | | | -:+-+7 |
|-------------|---------|--------|---------|------|---------|
| I IO TANDOA | CHACIAC | nava a | CHITANI | a na | DITATI |
| שטונוט טעני | | паус а | | _ 17 | <i></i> |

PAI RAWA 4 Is the habitat capacity very strong and is there minimal impact from invasive pest species and landuse change

PAI 3 Is the habitat capacity strong and is there some impact from invasive pest species and landuse change

AHUA PAI 2 Is the habitat capacity limited and is there significant impact from invasive pest species and landuse change

POHARA 1 Is the habitat capacity severely limited and is there significant impact from invasive pest species and landuse change

O Is the habitat capacity very severely limited and is there significant impact from invasive pest species and landuse change



Whanau Ora Thriving families

Can whanau exercise manaakitanga?

PAI RAWA 4 Abundant kai available for hui such as tangihanga and the whanau PAI 3 Sufficient kai available for hui such as tangihanga and the whanau **AHUA PAI** 2 Some kai available hui such as tangihanga and the whanau **POHARA** 1 Sparse kai available for hui such as tangihanga and the whanau O Kai unavailable for hui such as tangihanga and the whanau **AUE**

AUE

milios C



Whanau Ora Thriving families

Can whanau participate effectively in whanaungatanga?

PAI RAWA 4 Tikanga (e.g. maramataka (moon/calendar), rahui, wananga etc.) are practised, maintained or shared amongst whanau, and kaitiaki have full access to the mahinga kai

PAI 3 Most tikanga are practised, maintained or shared amongst whanau and kaitiaki have some access to the mahinga kai

AHUA PAI 2 Some tikanga practised or shared amongst whanau, and kaitiaki have limited access to the mahinga kai

POHARA 1 Few tikanga practised or shared amongst whanau, and kaitiaki have no access to the mahinga kai

O Tikanga are not practised or shared amongst whanau, and kaitiaki have no access to the mahinga kai

Mauri Ora The Essence of Vitality



Are the senses awakened at the mahinga kai?

MAURI ORA 4 Your gut feeling, hearing, smell, look, and taste are invigorated

MAURI PIKI 3 Your gut feeling, hearing, smell, look, and taste are engaged

MAURI OHO 2 Your gut feeling, hearing, smell, look, and taste are awakened

MAURI NOHO 1 Your gut feeling, hearing, smell, look, and taste are dull



Mauri Ora The Essence of Vitality

Do tangata tiaki feel connected to the mahinga kai?

MAURI ORA 4 The connection between tangata tiaki and the mahinga kai is invigorated

MAURI PIKI 3 The connection between tangata tiaki and the mahinga kai is engaged

MAURI OHO 2 The connection between tangata tiaki and the mahinga kai is awakened

MAURI NOHO 1 The connection between tangata tiaki and the mahinga kai is dull

MAHINGA KAI STATES



DESCRIPTION

RANGES ATTRIBUTES

MEASURES

Excellent: Mahinga kai is enhanced or restored and a full range of values for flourishing nature, thriving families, and the essence of vitality are exhibited and maintained

17-21

Taiao ora

> 1 Is it safe to eat taonga species from this site?

2 Do the taonga species have a suitable habitat?

AE - KAO

PAI RAWA - AUE

Good: Mahinga kai is maintained and a wide range of values for flourishing nature, thriving families, and the essence of vitality are expressed and maintained

12-16

Whanau ora

1 Can whanau exercise manaakitanga?

2 Can whanau participate effectively in whanaungatanga?

PAI RAWA - AUE X 2

Fair: Mahinga kai is below acceptable standards and a paucity of values for flourishing nature, thriving families, and the essence of vitality are expressed and maintained

7-11

Mauri ora

1 Are the senses awakened at the mahinga kai?

> 2 Do tangata tiaki feel connected to the mahinga kai site?

MAURI ORA -MAURI NOHO X 2

Poor: Mahinga kai diminished and values for flourishing nature, thriving families, and the essence of vitality are not expressed

2-6



Field Trials

FRAMEWORK VALIDATION











Torepatutahi Stream

| b. | |
|----|---|
| | / |

| MAHINGA KAI | Kaimahi 1 | Kaimahi 2 | Kaimahi 3 | Kaimahi 4 |
|--|------------------------------|------------------------------|------------------------------|------------------------------|
| Ingoa | Torepatutahi | Torepatutahi | Torepatutahi | Torepatutahi |
| Ra | 21/04/2017 | 21/04/2017 | 21/04/2017 | 21/04/2017 |
| Wa | 12:40:00 a.m. | 12:40:00 a.m. | 12:40:00 a.m. | 12:40:00 a.m. |
| Taunga | 38°29'11.54"S, 176°20'4.54"E | 38°29'11.54"S, 176°20'4.54"E | 38°29'11.54"S, 176°20'4.54"E | 38°29'11.54"S, 176°20'4.54"E |
| TAIAO ORA | | | | |
| Is it safe to eat taonga species from this site? | AE | AE | AE | AE |
| Do toanga species have a suitable habitat? | PAI | PAI | PAI | PAI |
| WHANAU ORA | | | | |
| Can whanau exercise manaakitanga? | AHUA PAI | PAI | PAI | PAI |
| Can whanau particpate effectively in whanaungatanga? | PAI | PAI | PAI | PAI |
| | | | | |
| MAURI ORA | | | | |
| Are the senses awakened at the mahinga kai? | MAURI PIKI | MAURI OHO | MAURI OHO | MAURI OHO |
| Do tangata tiaki feel connected to the mahinga kai? | MAURI OHO | MAURI OHO | MAURI OHO | MAURI OHO |
| MAHINGA KAI INDEX SCORE | 14 | 14 | 14 | 14 |
| ACCRECATE SITE SCORE | | | | 1.4 |

AGGREGATE SITE SCORE



WAIORA

Mobile app





Wireframe



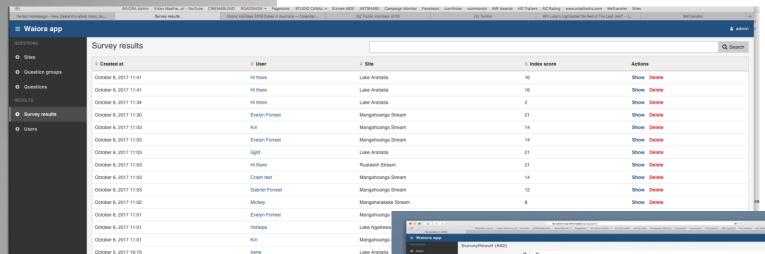


Front End

Scores and data submission







Irene

Backend

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