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TE K HUI KAHUKURA: URBAN WELLBEING INDEX



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DATA USE PROTOCOL

In 2020 the Aotearoa/New Zealand (A/NZ) Building Better Homes Towns and Cities (BBHTC) National Science Challenge funded the research project Ng Tohu K inga-Ora - Mauri Ora Urban Wellbeing: Compass, Data Index & Display, Pilots. The purpose of the project was to develop an indicator framework and data display that was future-oriented, providing a pathfinding capacity to direct urban planning and development actions in a manner that would generate holistic social, cultural, and ecological wellbeing outcomes. In the first phase of the project a "mauri mesh model" of urban wellbeing was developed which identified and weaved together social, cultural,

on new circumstances, and through deeper development iterations with each r nanga beyond the TKK committee. The method for developing the UWI is outlined below.

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The research was led by the Ng i Tahu Centre

of A3 paper, was then developed that placed themes and indicators into a UWI table, with pictures illustrating each theme to create a vision of future urban development. Table 1 in the appendix outlines the final table produced through the research process.

Phase three of the research process involved presenting the table to a group of the working group for feedback. Based on this feedback

principle

The nohanga kainga, or traditional Ng i Tahu villages found in M ori reserve areas, have been historically deficient in infrastructure. This dimension reflected the aspiration of r nanga to ensure that all nohoanga kainga have sufficient modern infrastructure. This included the presence of sealed roads, stormwater services, town water supplies, high speed internet access and cellular network

simple to access. It was

Mahere or urban planning necessarily includes Whare Kounga or quality homes. Sustainable housing and buildings, household affordability and housing quality all have big impacts on the quality

Influential connections, networks, and leadership

Presence/absence of Ng i Tahu representation & influence in key political, financial, media, & bureaucratic entities

Representation and influence is present across 100% of key political, financial, media, & bureaucratic entities.

No

Yes

Ascertain key political, financial, media, & bureaucratic entities where

% of streams at poor, fair, good, or very good
in the Water Quality Index (WQI)

WQI

100% of streams at 'very good' according
to the WQI

Wahi Tapu & Taonga %

						to detect roof-top solar panels
	% loss of water through water infrastructure leaks in comparison to total water use	%	0% water loss through infrastructure leaks	Yes	Yes	Council data
	Trends in water use relative to population growth (decline or increase?)	#	#? for urban water use relative to population	Yes	Yes	Council data
	Current % of grid energy from renewables	%	100% of grid energy from renc			

% of M ori and manawhenua household income % Home renting, or home ownership
spent on home renting, or home ownership cost

Ratio of teachers to manawhenua and M ori students across early childhood, primary, and secondary education	Ratio	Ratio of teachers to manawhenua and M ori students across early childhood 6:1, primary 11:1, and secondary education 9:1	Partial	Partial	Analysis of IDI, CRM, and MoE data
% of teachers with a Masters degree or more across early childhood, primary, and secondary education	%	100% of teachers with a Masters degree or more across early childhood, primary, and secondary education	Yes	Yes	Analysis of StatsNZ and MoE Data
Average income of teachers relative to the median income across working population	Ratio	Average income of teachers is 1.8X the median income across the working population	Yes	Yes	Analysis of StatsNZ and MoE Data
% of manawhenua and M ori with easy access to bilingual and immersion education options across primary, second, and tertiary sectors	%	100% of manawhenua and M ori with easy access to bilingual and immersion education options across primary, second, and tertiary	?	?	Ascertain locations of manawhenua and M ori students and bilingual and immersion education options and calculate accessibility by distance
% of manawhenua and M ori with easy access to culturally congruent education options across primary, second, and tertiary sectors	%	100% of manawhenua and M ori with easy			

Strong identity emerges from many social, economic, and cultural phenomenon. Measuring it can be done through aggregating many related measures outlined above: e.g. strong cultural presence in schools, institutions, wh nau, built infrastructure (such as urban design), the