

# Te Awarua-o-Porirua Whaitua



**Committee Presentation to Porirua City  
Councillors  
July 26, 2018**



# YOU'VE SPOKEN, WE'VE HEARD

From Pukerua Bay to Newlands,  
and everywhere in between.

## Together we value...

### Kai kete

The harbour, streams and coast can be used to gather and catch kaimoana and mahinga kai for food

### Hauora kaiao

The harbour, streams and coast are clean and brimming with life and have diverse and healthy ecosystems

### Ka taea e te tangata

The harbour, streams and coast are safe and accessible for people to enjoy and undertake recreational activities

### Te ara wairua o te wai

The harbour, streams and coast flow naturally and with energy, attracting people to connect with them

### Whanaketanga tauwhiro o te whenua

Land is developed, used and managed sustainably, recognising its effect on water quality and quantity

### Ohaoha o te wai

The use of water and waterways provides for economic opportunities and benefits

### Ko Te Awarua-o-Porirua he taonga tuku iho a Ngāti Toa Rangatira

Te Awarua-o-Porirua is an ancestral treasure of Ngāti Toa Rangatira



# Ngāti Toa update

- Ngāti Toa no longer on the Committee
- Still committed to overall process and connected to the Project Team
- Have developed a parallel process
- Working to same timeline as Committee

# Current state

- Swimming high risk in streams and parts of harbour (wastewater pollution)
- Ecosystem health under stress
  - Excessive sediment in harbour
  - Metals and ammonia issues, particularly urban streams and harbour hotspots
  - Bugs and fish communities impacted
- Cultural values and uses impacted

# Objectives – freshwater

Reporting point name	E.coli		Ammonia toxicity		Nitrate toxicity		Dissolved zinc toxicity		Dissolved copper toxicity		MCI		Periphyton		Native Fish	
	Current State	Objective	Current State	Objective	Current State	Objective	Current State	Objective	Current State	Objective	Current State	Objective	Current State	Objective	Current State	Objective
Pukerua	E	B*	B	A	B	A	A	A	C	B	-	-	-	-	-	-
Hongoeka to Pukerua	E	A-B	B	A*	B	A	A	A	C	A	C	C-B	-	-	C	C
Whitireia	E	B	B	A	B	A	B	A	C	A	-	-	-	-	-	-
Taupo Stream	E	B	B	A	B	A	C	A	D	B	C	B	C	B	C	C
	E	B	B	A	B	A	B	A	C	A	-	-	-	-	-	-
Horokiri Stream	E	B	B	A	B	A	A	A	A	A*	-	-	-	-	-	-
	D	B	A	A	A	A	A	A	A	A*	C-B	A	C	B	B-A	A
Kakaho Stream	E	B*	B	A	B	A	A	A	A	A*	-	-	-	-	-	-
Judgeford Stream	E	C	B	A	B	A	A	A*	A	A*	-	-	-	-	-	-
Upper Duck Creek	E	B*	B	A	B	A	A	A	A	A*	-	-	-	-	-	-
Pauatahanui Stream	E	C*	B	A	A	A	A	A	A	A*	C-B	B	C	B+	B	A
Ration Creek	E	B	B	A	B	A	A	A	A	A*	-	-	-	-	-	-
Lower Duck Creek	E	C*	B	A	B	A	B	A	C	B	C	B	C	C	B	A
Pauatahanui fringe streams	E	C*	C	B	A	A	C	A	D	B	-	-	-	-	-	-
Rangituhi Stream	E	A	B	A	B	A	A	A	A	A	-	-	-	-	-	-
Takapu Stream	E	C	B	B	B	B	C	C	A	A	C	B	C	B	C?	B
Upper Kenepuru	E	C	B	A	B	A	A	A	A	A	-	-	-	-	-	-
Belmont Stream	E	C	C	C	B	B	C	C	C	C	-	-	-	-	-	-
Stebbings Stream	E	C	B	B	C	B	A	A	A	A	C	B	C	B	B	A
Hukarito Stream	E	A*	C	A	B	B	B	A	C	B	-	-	-	-	-	-
Mahinawa Stream	E	A*	B	B	B	B	B	A	C	B	B-A	B-A	A	A	C	A
Onepoto Fringe	E	C	C	B	A	A	D	B-A	D	C	-	-	-	-	-	-
Titahi	E	C*	C	B	A	A	C	A	D	C	-	-	-	-	-	-
Kenepuru	E	C	C	C	B	B	C	B	D	C	C	C-B	C	C	B	B
Grenada North	E	C	A	A	B	B	D	C	D	C	-	-	-	-	-	-
Mitchell Stream	E	C	C	C	B	B	D	C	D	C	-	-	-	-	-	-
Porirua Stream at Willowbank	E	C	C	C	B	B	C	C	D	C	-	-	-	-	-	-
Porirua Stream at Kenepuru Drive	E	C	C	C	B	B	C	C	D	C	C	C+	B	B+	C-B	B

Mainly rural



Mainly urban

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Taupo Stream	E	B	B	A	B	A	C	A	D	B	C	B	C	B	C	C
Pauatahanui Stream	E	C*	B	A	A	A	A	A	A	A*	C-B	B	C	B+	B	A
Porirua Stream at Kenepuru Drive	E	C	C	C	B	B	C	C	D	C	C	C+	B	B+	C-B	B

We are looking to REDUCE

- *E. coli* levels everywhere – safer swimming
- sediment and muddiness
- Metals and ammonia

IMPROVE ecological health

# What does this require?

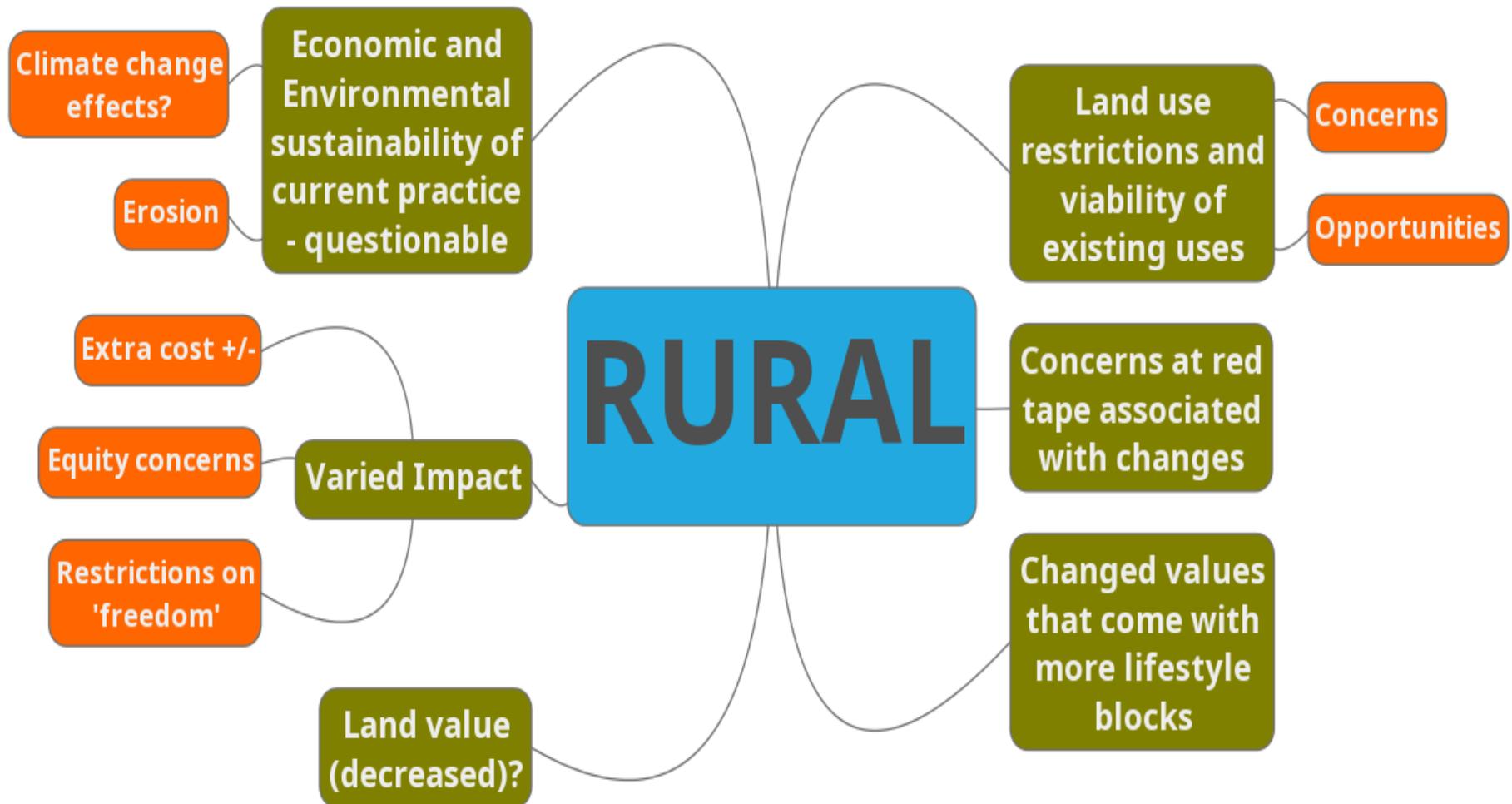
Changing how we manage:

- Existing stormwater & wastewater management
- Rural land use
- Urban development – both new and infill
- Existing urban land uses

# Economic considerations

- NPS-FM requirement – bottom lines **MUST** be met
- Costs considered in finalising objectives
- Wastewater upgrade costs are necessary
- Opportunities within new development
  - must deliver water quality improvements

# Social considerations



From Committee exercise -

# Social considerations



# Social considerations



# Change is inevitable

- WIP recommends limits which will impact our city into the future and improve outcomes
- Recommendations for process and non-regulatory action
- Changes will influence public and private stakeholders
- Education necessary

# The way forward

- Align regional, district and infrastructure planning
- Join up information
- Join up implementation
- Integrating land and water management
- Transition to water sensitive principles

# Timeline

