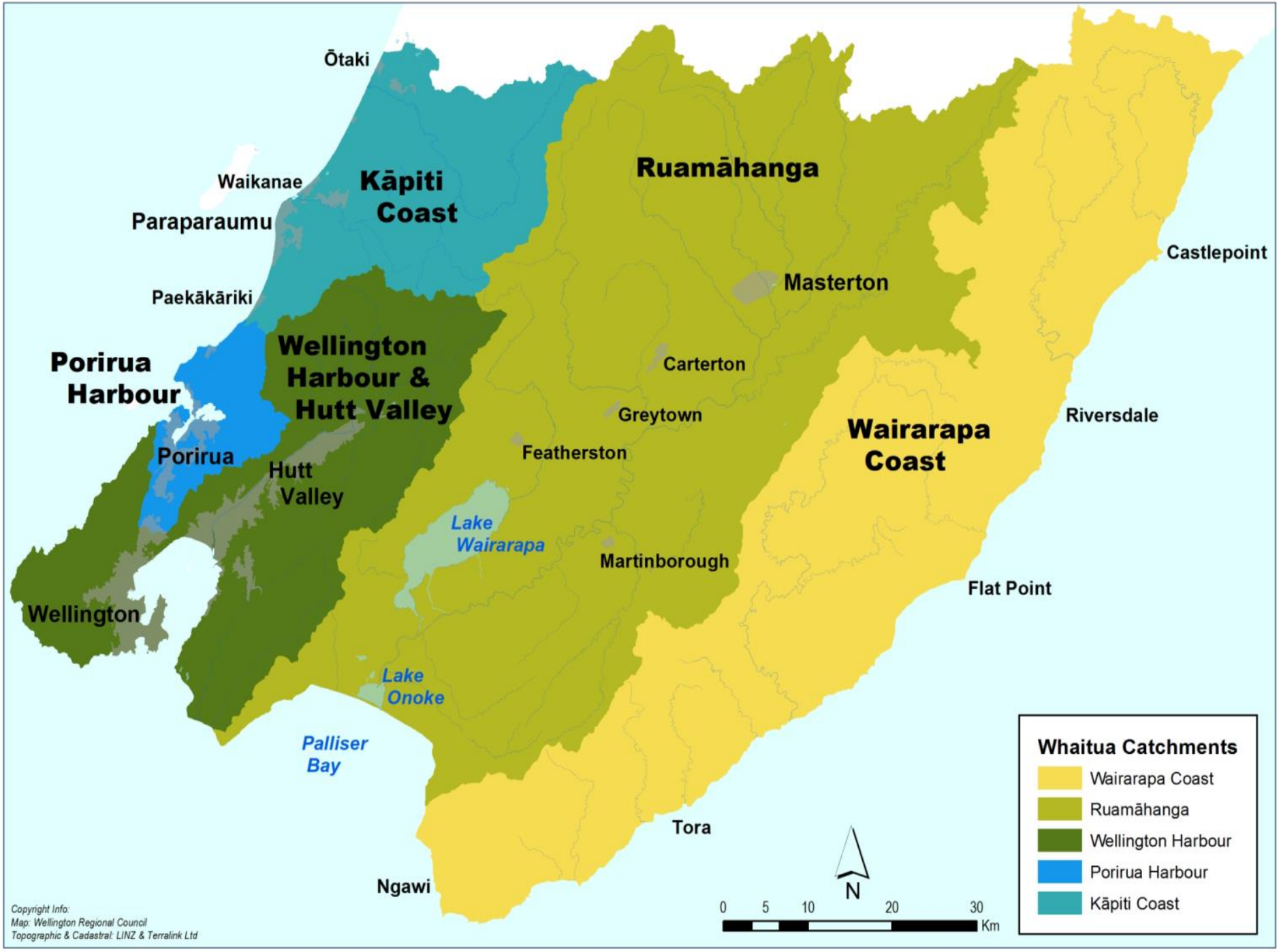
Ōtaki
Waikanae
Paraparaumu
Kāpiti Coast
Ruamāhanga
Castlepoint
Masterton
Paekākāriki
Porirua Harbour
Wellington Harbour & Hutt Valley
Carterton
Greytown
Riversdale
Wairarapa Coast
Porirua
Hutt Valley
Featherston
Lake Wairarapa
Martinborough
Flat Point
Wellington
Lake Onoke
Palliser Bay
Tora
Ngawi
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0 5 10 20 30
Km
Whaitua Catchments
Wairarapa Coast
Ruamāhanga
Wellington Harbour
Porirua Harbour
Kāpiti Coast
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Map: Wellington Regional Council
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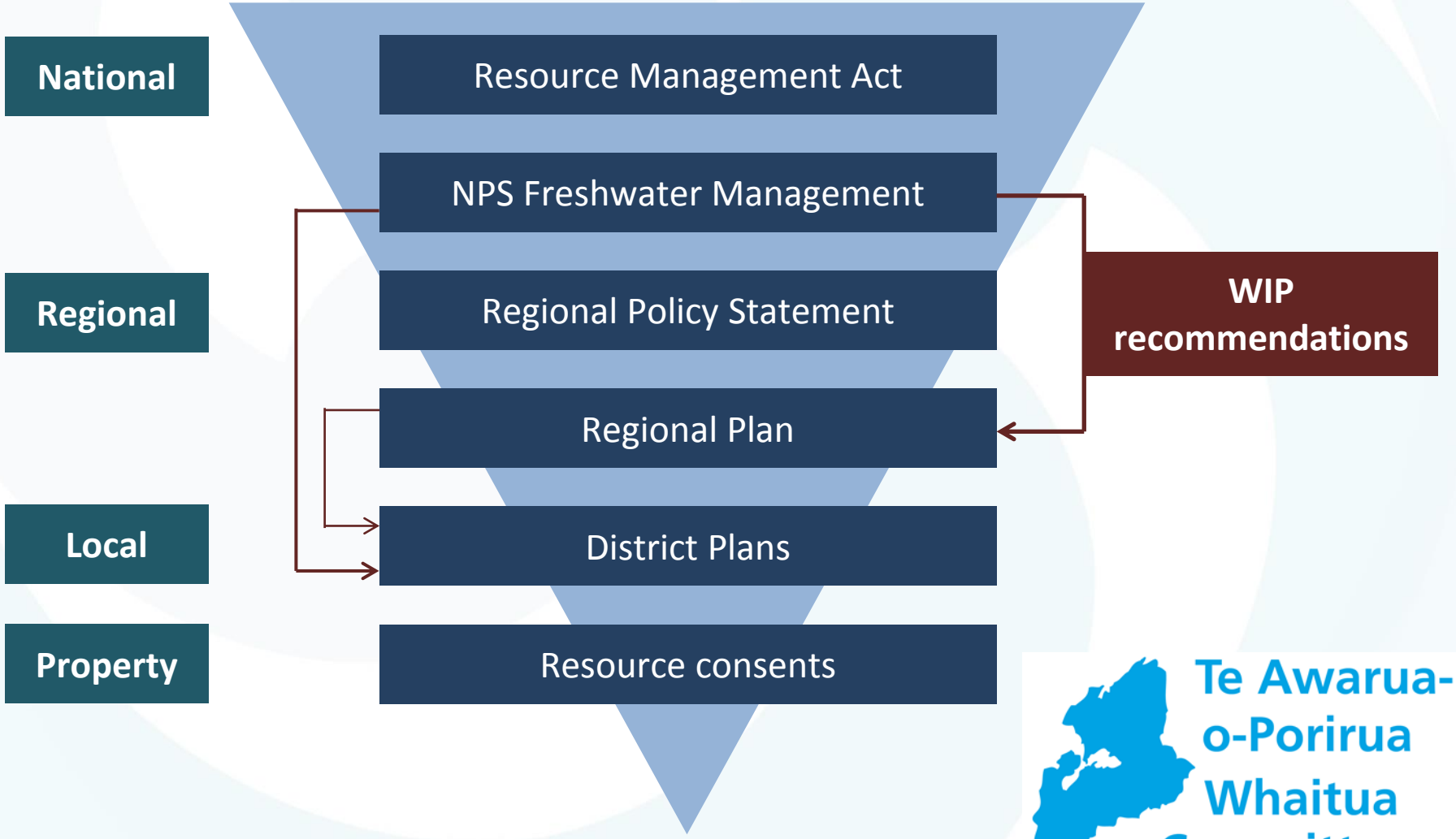
Policy context of committees decisions



Te Awarua-o-Porirua Whaitua Committee

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Community values at the heart of decision making

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What is the Whaitua process?

- Community-led, collaborative regional planning process
- Partnership with Mana Whenua
- Partnership with iwi, city/district councils and wider community
- Directed by National Policy Statement
- Whaitua Implementation Programme (WIP)

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What we must provide for

- Stream and harbour ecological health
- Stream and harbour human health

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What the whaitua committee needs to do

- Set objectives, targets and limits
- Make recommendations on how the objectives will be achieved - regulatory and non-regulatory proposals for integrated land and water management
- Produce a Whaitua Implementation Programme (WIP)

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Next steps in process

- Regulatory recommendations in WIP will be formed in to plan change by GWRC
- Plan change is required to be consulted on
- Aiming to get finalised WIP to GWRC in the new year

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Setting objectives

- An objective is…
- A good objective has…

  Line of sight with the values

  Is informed by various sources

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The Big Questions …

What do you want, how long should it take and who should pay?

- Wastewater and stormwater management
- Contaminant (e.g.heavy metals) management
- Sediment management

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How do we know what to level to set objectives?

- Current situation
- Existing information
- Modelling & monitoring (GWRC, DoC, PCC, Wellington Water)
- Community knowledge
- Costs – timeframes, equity,

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Costs

- We have and continue to consider costs, benefits, equity and timeframes

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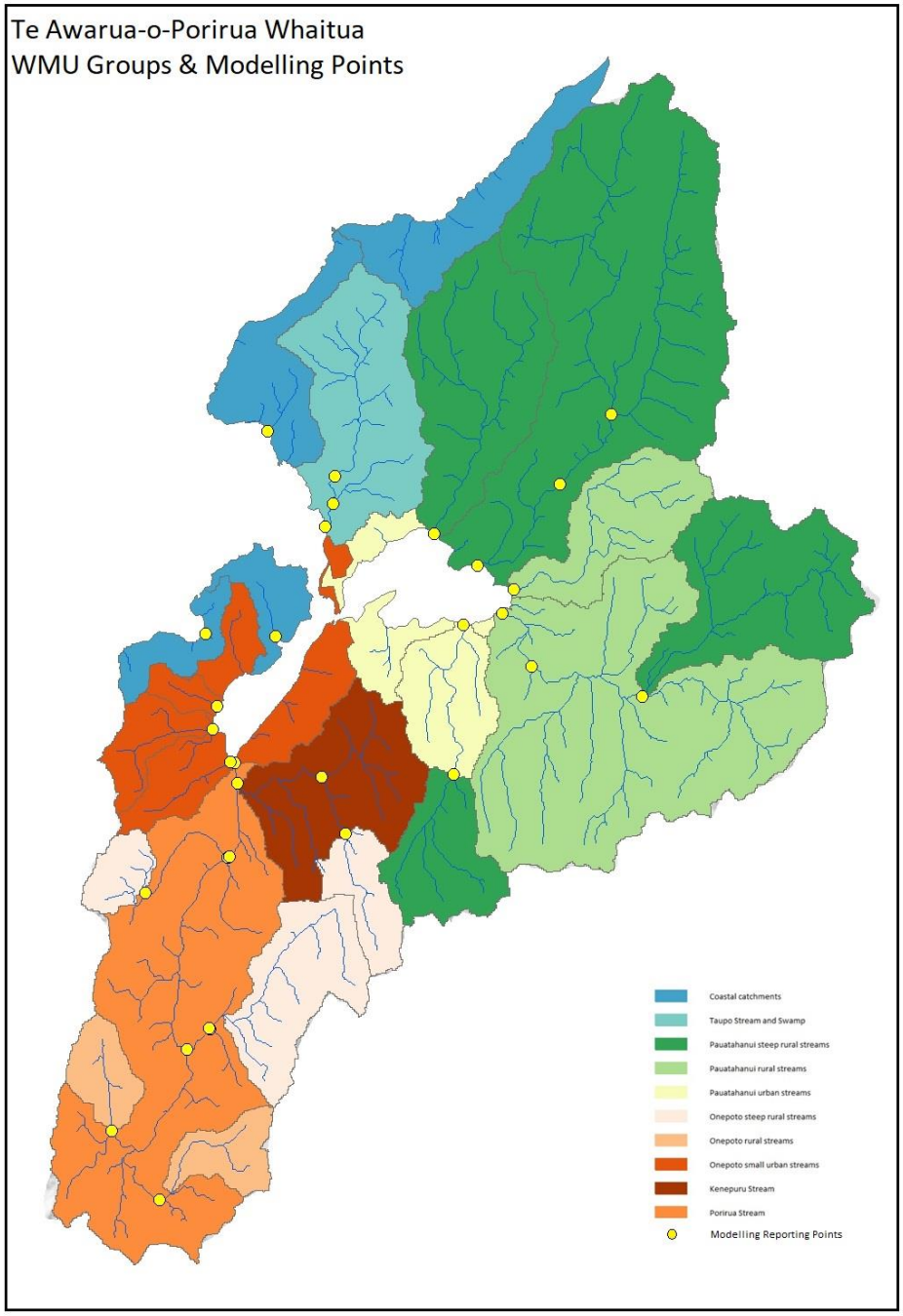

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Model scenarios

- Current state – what it is like now
- BAU – what it would be like in 2040 if we carried on with no changes
- Improved – retirement of steepest land, reduction of sewage overflows, best practice for stormwater management, retrofit of stormwater devices on public land and high risk sites, replace or paint high generating zinc roofs
- Water sensitive – retirement of more land, further reduction of overflows, better than best practice for stormwater management, rainwater harvest and reuse, stormwater treatment wetlands

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Objectives table

WMU group	WMU name	E.coli		Ammonia toxicity		Nitrate toxicity		Dissolved zinc toxicity		Dissolved copper toxicity		MCI		Periphyton		Native Fish	
		Current State	Objective 19.4.18	Current State	Objective 19.4.18	Current State	Objective 19.4.18	Current State	Objective 19.4.18	Current State	Objective 19.4.18	Current State	Objective 10.5.18	Current State	Objective 10.5.18	Current State	Objective 10.5.18
Coastal catchments	Pukerua	E	*C*	B	A	B	A	A	A	C	B	-	-	-	-	-	-
	Hongoeka to Pukerua	E	A-B	B	*A*	B	A	A	A	C	A	C	B/C	A	A	C	C
	Whitireia	E	B	B	A	B	A	B	A	C	A	-	-	-	-	-	-
Taupo Stream and Swamp	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	-	-	-	-	-	-
Pauatahanui steep rural streams	Horokiri and Motukaraka	E	B	B	A	B	A	A	A	A	*A*	-	-	-	-	-	-
		D	B	A	A	A	A	A	A	A	*A*	B/C	A	C	B	A/B	A
	Kakaho Stream	E	*C*	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 rural streams	Pauatahanui Stream	E	*C*	B	A	A	A	A	A	A	*A*	B/C	B	C	B+	B	A
	Ration Creek	E	B	B	A	B	A	A	A	A	*A*	-	-	-	-	-	-
Pauatahanui urban streams	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	-	-	-	-	-	-
Onepoto steep rural streams	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	-	-	-	-	-	-
Onepoto rural streams	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
Onepoto small urban streams	Hukarito Stream	E	*C-B*	C	A	B	B	B	A	C	B	-	-	-	-	-	-
	Mahinawa Stream	E	*C-B*	B	B	B	B	B	A	C	B	A/B	A/B	A	A	C	A
	Onepoto Fringe	E	C	C	B	A	A	D	A-B	D	C	-	-	-	-	-	-
	Titahi	E	*C*	C	B	A	A	C	A	D	C	-	-	-	-	-	-
Kenepuru Stream	Kenepuru	E	C	C	C	B	B	C	B	D	C	C	B/C	C	C	B/C	B
Porirua Stream	Porirua	E	C	A	A	B	B	D	C	D	C	-	-	-	-	-	-
		E	C	C	C	B	B	D	C	D	C	-	-	-	-	-	-
		E	C	C	C	B	B	C	C	D	C	-	-	-	-	-	-
		E	C	C	C	B	B	C	C	D	C	C	C	B	B+	B/C	B

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E. coli objective

		Current State		What could the scenarios give us?			
WMU Name	**Reporting point**	**Monitoring data**	**Modelled Current state**	**BAU**	**Improved**	**Water sensitive**	**Draft Objective**
Porirua Stream	Kenepuru Drive	E	E	E	E ↑↑	D	C
Horokiri Stream	Near Pauatahanui Golf Club	E	D	D	C	B	B
Pauatahanui Stream	Middle reaches	E	E	D	D	C	C

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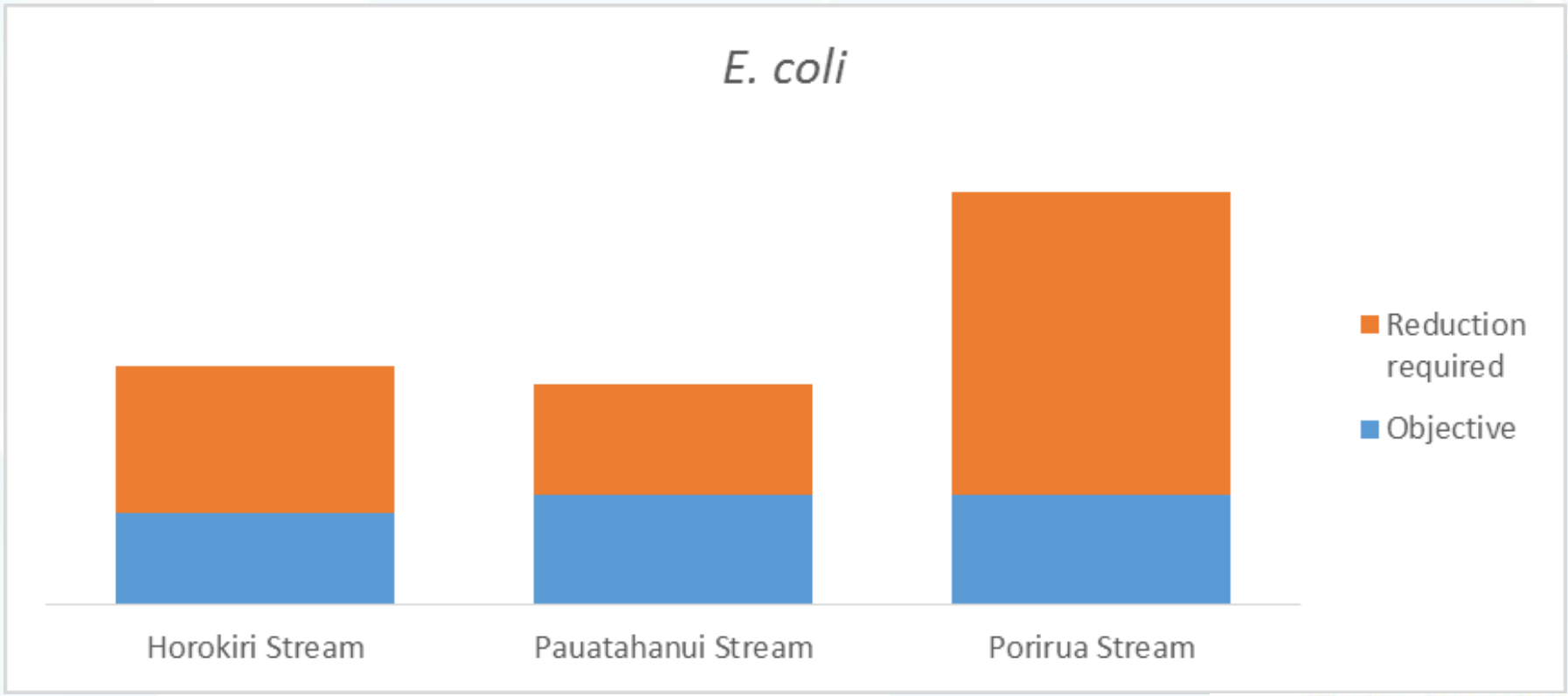
Contaminants



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Zinc objective

		Current State		What could the scenarios give us?			
WMU Name	**Reporting point**	**Monitoring data**	**Modelled Current state**	**BAU**	**Improved**	**Water sensitive**	**Draft Objective**
Porirua Stream	Kenepuru Drive	D	C	C	C↑	A	C
Horokiri Stream	Near Pauatahanui Golf Club	-	A	A↓↓	A↓↓	A↓↓	A
Pauatahanui Stream	Middle reaches	-	A	A↓↓	A	A	A

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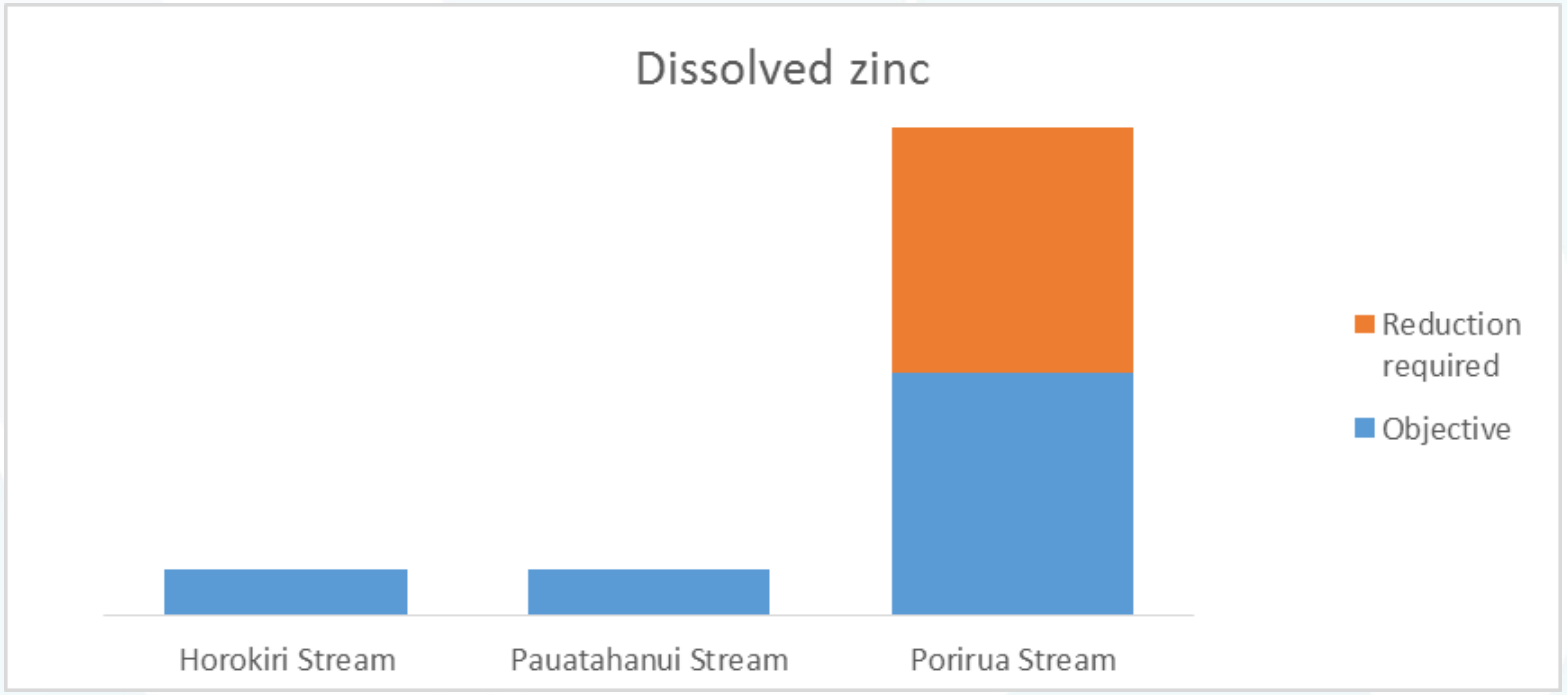
Contaminants



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Sedimentation rates in the harbour

	Results from quantitative modelling			
	Annual average sedimentation rate (mm/yr)			
	Current state	**BAU**	**Water sensitive**	**Draft Objective**
Pauatahanui Arm	5	2	2	**2**
Onepoto Arm	4	3	0.5	**1**

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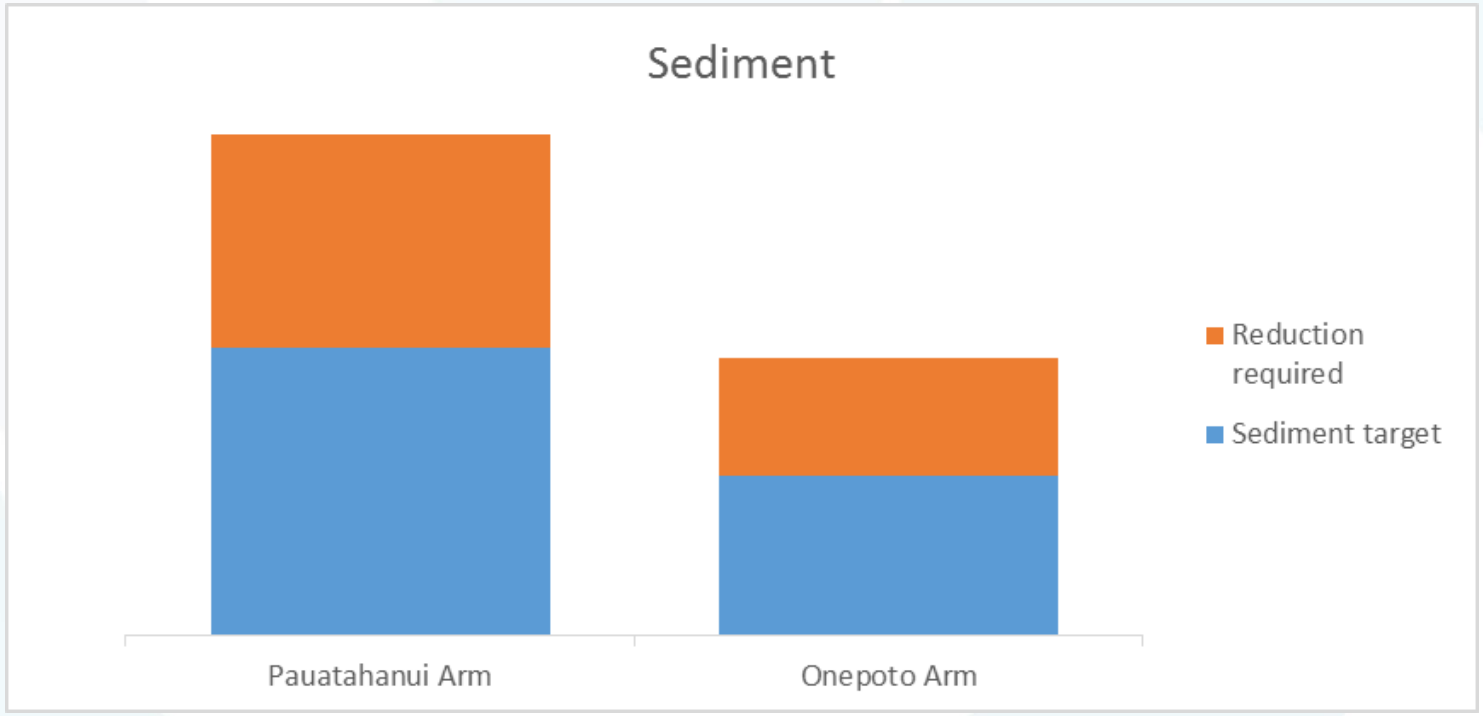
Current state and shift required



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The value of the process

- Understanding of issues
- Learned a lot about possible solutions
- The councils have learned a lot about their community
- A need to work collaboratively into the future

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Next steps

- Committees next steps
- Understand the shift required and ask yourselves how you can help
- Talk with your neighbours, your councillors, your whaitua committee

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