

Draft recommendations with significant changes

Presentation 03.12.2018

New Section:

Overarching recommendations

Emerging technologies and innovative solutions

Innovation in land and water management practice in Te Awarua-o-Porirua whaitua should be encouraged and actively facilitated by Greater Wellington, Porirua City Council, Wellington City Council and Wellington Water, including by:

- Including a policy in the PNRP to be considered in resource consent processes, that recognises the value of innovative practice in the achievement of the objectives of the Te Awarua-o-Porirua Harbour whaitua
- Taking opportunities for ongoing plan changes and updates to guidance documents to provide for innovative practice
- Avoiding resource consent conditions that would prevent trialling of alternative management approaches where change and future proofing are known drivers, while also recognising the need to mitigate risk
- Encouraging and providing opportunities for landowners and sector groups to develop innovative practice.

Overarching recommendations

- 3.6.2.1 Greater Wellington undertakes a prioritisation exercise to determine the further investigations and/or monitoring that need to be completed in Te Awarua-o-Porirua to better understand effects and/or to establish causality to inform future management. The priorities identified in the following recommendation should also be included.

New Section:

Overarching recommendations

The following investigations should be considered priorities as part of the implementation of Recommendation 4.5.2.2:

- Gaining a better understanding of the potential sources of contamination from the stormwater network and the long term efficacy of changes in management practices.

4.3.6 Vehicular sources

~~4.3.6.3 Greater Wellington to work with NZTA to gain a better understanding of the heavy metals generated from the operation of the state highways and the rate of accumulation/concentration in the harbour sediments and any mitigation measures.-~~

Section 4.4.3 – Wastewater – public wastewater network

4.4.3.1 Wellington Water work closely with PCC and WCC to develop and implement wastewater projects, strategies and plans to improve the wastewater network to achieve the freshwater and harbour objectives, limits and targets in this WIP. In achieving these objectives, limits and targets, Wellington Water:

- a. Assess all wastewater management options and discharges in achieving these objectives, limits and target within the timeframes set out in this WIP;
- b. Provide an integrated assessment and management approach to all forms of wastewater discharges from the network and the associated effects on freshwater and coastal receiving environments;
- c. Clearly set out the steps, actions and milestones to deliver the necessary improvements to the wastewater network to achieve the freshwater and harbour objectives, limits and targets in this WIP and work with Greater Wellington, PCC and WCC to align funding and investment for these improvements to occur;
- d. Set clear criteria to prioritise investment in the wastewater network with urgency given to high-use public recreation areas with known public health issues, and ensure transparency in wastewater investment decision-making and prioritisation;
- e. Recognise that dry weather wastewater discharges and wastewater network overflows both need to be addressed to achieve the freshwater and harbour objectives, targets and limits in this WIP, and develop and implement a work programme to reduce the frequency and quantity of wastewater to receiving environments from both sources; and
- f. Adopt an integrated catchment approach that recognises the interconnected nature of the wastewater network and the receiving environments for these discharges.

Chapter 4.4.3 – Wastewater – private wastewater network

4.4.3.6 Greater Wellington, PCC, WCC and Wellington Water target redevelopment and regeneration projects, such as those led by Housing New Zealand, as an opportunity to address existing wastewater and stormwater network issues through education, advocacy and regulation.

Chapter 4.4.3 – Wastewater – private wastewater network

4.4.3.7 Housing New Zealand undertake an audit of its housing stock within the whaitua to identify properties with leaking laterals and cross connections and progressively address these.

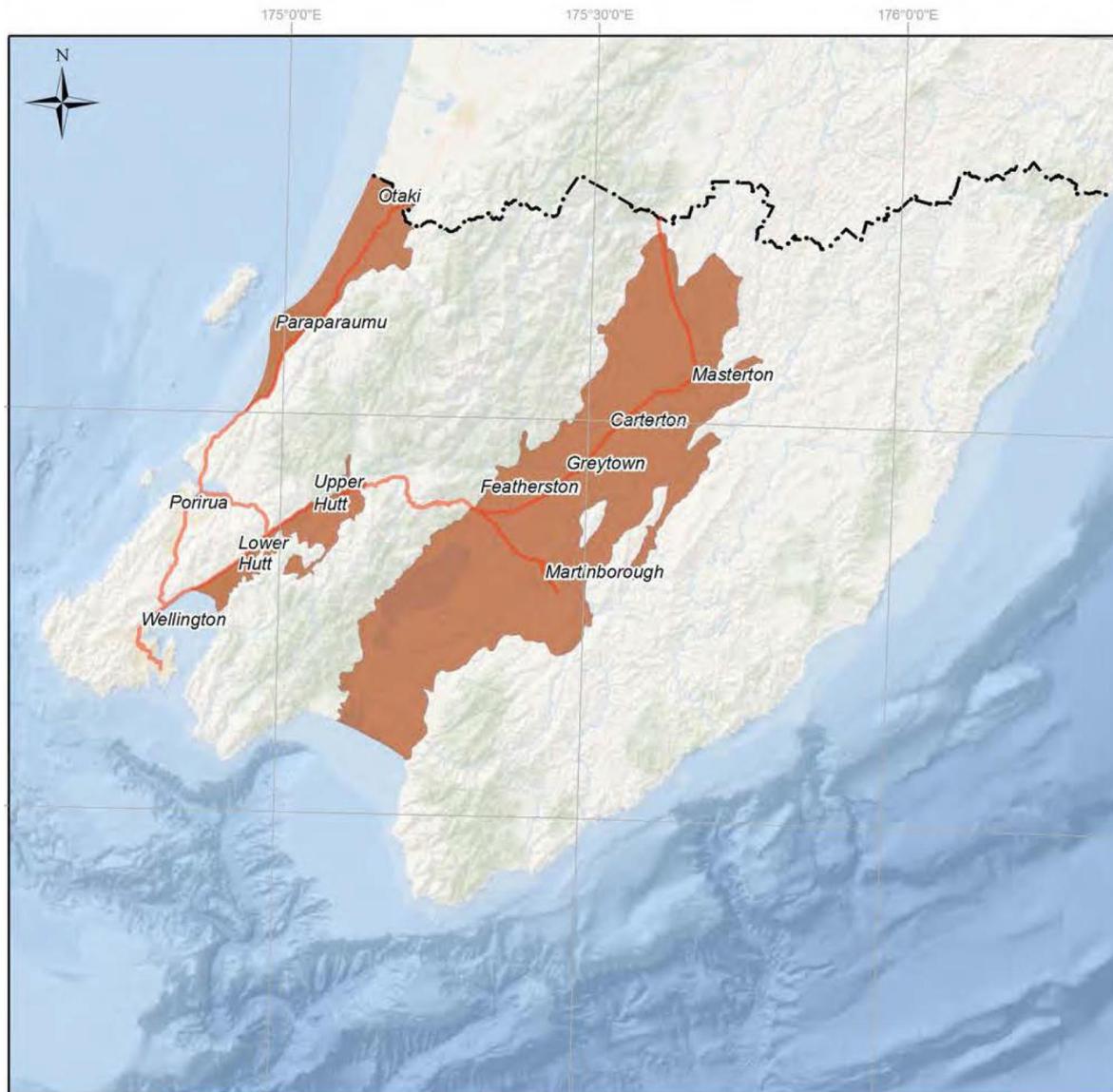
Section 4.4.5 – Stock and riparian planting

4.4.5.1 Greater Wellington amends the PNRP policy and rule framework to:

- a. Map lowland areas within the whaitua using a methodology consistent with that used for other lowland areas in the PNRP; (Map 29) but that also takes into account average slope within a prescribed distance adjacent to the stream and applies a higher slope threshold; and
- b. Require stock exclusion from rivers and stream (greater than 1m in width) within lowland areas within the whaitua within 5 years from the date the plan change to the PNRP implementing this WIP is notified.

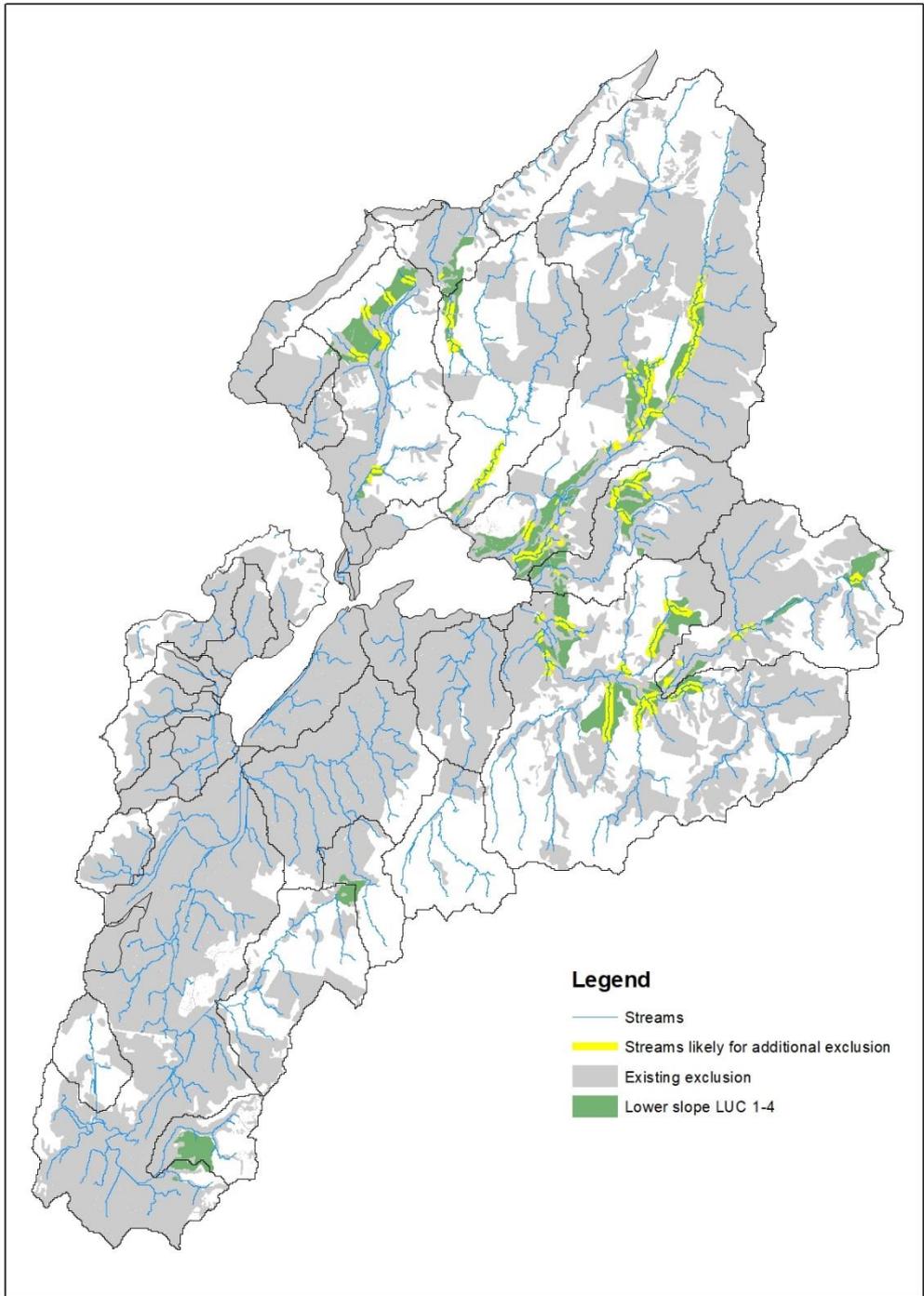
Lowland areas for Category 2 surface water bodies

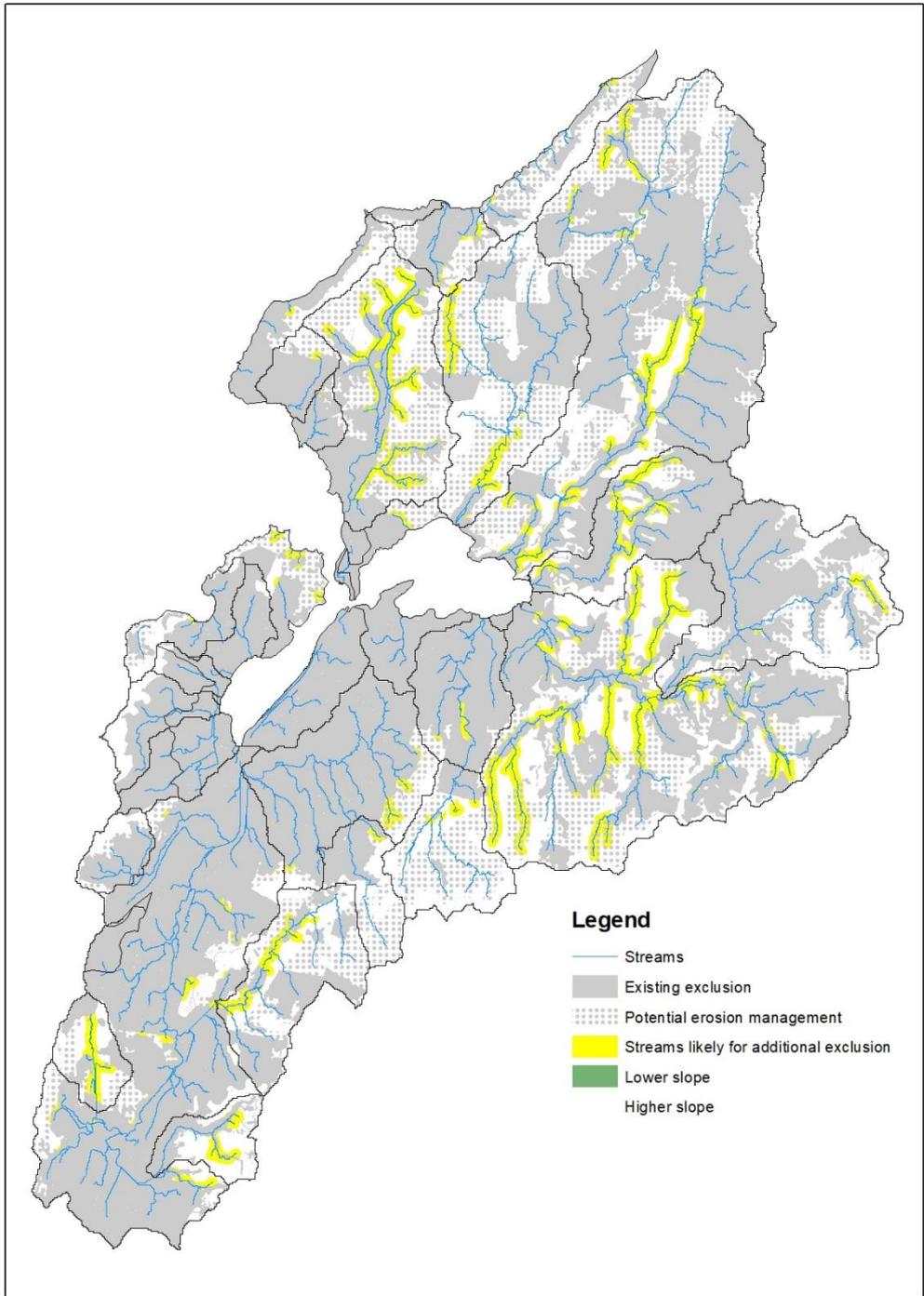
Map 29



NZRLI & Landcover
database v4 (2012)

Slope classes A, B & C
(under 16 degrees)
and soil classes 1-4
(arable land)





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- c. Apply to livestock as defined in Section 2 (Interpretation), except for sheep.

Stream bank erosion

5.3.1.1 Greater Wellington will work to:

- better understand the causes of stream bank erosion
- identify measures to manage activities that contribute to stream bank erosion
- explore options for stream bank protection and rehabilitation, including options to support and incentivise landowner action.