Harbour metal objectives and limits in Te Awarua-o-Porirua Whaitua

Presentation to Te Awarua-o-Porirua Whaitua Committee 27.10.2018

Brent King – Senior Advisor, Environment

Te Awarua-o-Porirua Whaitua Committee

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Harbour objectives – Sediment metal

- Clarification questions on the material provided
- Set harbour sediment zinc and copper objectives to maintain current level of risk to aquatic species

Place		Zinc	Copper
Onepoto Arm	Intertidal	B	A
	Subtidal	C	B
Pauatahanui Inlet	Intertidal	A	A
	Subtidal	B	A

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Harbour objectives – Sediment metal

- Set harbour sediment zinc and copper limits and reduction targets to
  - Ensure harbour sediment metal concentrations do not increase with reducing catchment sediment loads
  - Achieve freshwater objectives

Catchment	Contaminant	Current total annual average load (kg/yr)	Total annual average load limit (kg/yr)	% reduction from limit
Onepoto Arm	Zinc	2,650	2,650	40%
	Copper	240	240	40%
Pauatahanui Inlet	Zinc	580	580	40-45%
	Copper	70	70	40-45%

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Managing metals in Te Awarua-o-Porirua Whaitua

Presentation to Te Awarua-o-Porirua Whaitua Committee 27.10.2018

Rachel Pawson – Policy Advisor

Te Awarua-o-Porirua Whaitua Committee

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High level policy areas

- Planning for future urban growth areas
- Minimising the contaminant loads from new greenfield and brownfields developments
- Regulating stormwater discharges
- Incentivising stormwater mitigations in existing urban areas (including brownfields developments)
- Reducing contaminant loads in existing urban areas

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Planning for future urban growth

Current approach

- Submissions on plan changes
- RPS Policy 55 – maintaining a compact, well designed and sustainable regional form – consideration policy

Recommendations (page 14)

1. GW, WCC, PCC and WWL plan for new urban growth areas to meet multiple objectives
2. Alignment of policy direction across GW, WCC, PCC, WWL to instigate a change in land development practice

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Minimising contaminant loads from new developments

Current policy direction

- Notified PNRP
- Officers recommendation at PNRP hearing
  - New rule permitting the discharge consent from new subdivisions and developments that are less than 3,000m^2 or with an area where a stormwater management strategy applies

Recommendations (page 16)

1. Good practice in water sensitive urban design
2. New land use rules for large scale new urban developments
3. Education programme re. new policy direction

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Regulating stormwater discharges

Current policy direction

- Notified PNRP
  - stormwater consenting framework (individual and local authority networks)
- Additional officers recommendations on PNRP
  - New non-complying activity rule for discharging certain substances onto land that may enter water or into water, including through a stormwater network (essentially the PCC stormwater bylaw)
- PCC stormwater bylaw

Recommendation (page 19)

1. Amend the policy and rule framework in the PNRP to achieve the objectives, limits and targets outlined in the WIP

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Incentivising stormwater mitigations

Current policy approach

- District planning mechanisms
- WWL initiatives

Recommendation (page 20)

1. GW, PCC, WCC, WWL to investigate methods to incentivise redevelopment of brownfields sites

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Reducing in existing urban areas

Current approach

- Public awareness campaigns re: stormwater
- PCC stormwater bylaw

Recommendations (page 21)

1. Reduction of footprint of high zinc yielding roofs
2. GW to work with WCC and PCC to increase regular street sweeping
3. GW, PCC, WCC, WWL to work together to develop a pollution prevention programme

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Vehicular sources

Current policy direction

- Stormwater discharges from the state highway network require consent under the PNRP

Recommendations (page 22)

1. Advocate to central government

2. Raise awareness at the community level to initiate a change to copper-free brake pads

3. GW to work with NZTA to gain a better understanding in respect of the effects and potential mitigation measures in respect of heavy metals and state highways

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Additional recommendations

- Emerging contaminants
- Hotspots

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