

Management and policy options not tested in scenarios but to revisit when exploring policy options



Sources: ENPL-6-1033, ENPL-6-1069, ENPL-6-986, ENPL-6-873

Updated following 23.03.2017 meeting

Rough grouping	Management or policy approach
High level and integrated planning	Maintain biophysical water quality
	More definitive requirements around master planning and level of design resolutions to ensure feasible
	Site management plans for new industrial sites including yard sumps, where appropriate
	Access to streams suitable for swimming
Ecosystem function approaches	Riparian reserve and protection
	Reconnect streams reaching the coast/improving ecological connectivity between streams and the coast
	Day lighting streams
	Stream piping/reclamation
	Improve fish passage, including in streams that are piped in sections
	Protection of ephemeral streams
Funding	Methods to fund water quality improvement, including through developer funding
	Developer contributions for implementation of strategic water management projects in large development areas
	Charging for water use – making costs/usage visible and providing incentives to use alternative water sources
	Capex vs. opex – financing for good devices
Subdivision and development mechanisms	Using area triggers on infill development to require actions to mitigate stormwater impacts
	Uniform stormwater design approach across catchment
	Uniform and standardised design elements to support ease of operation and maintenance
	Condition of assets at handover (need clear process around establishment and handover-use of bonds to ensure compliance)
Education/change programmes	Landowner education & responsibility taking over assets
	Ongoing community education
	Mahinga kai collection
Specific management options	Hydrodynamic separation or similar (for removal of gross pollutants and scums)
	Overflow screening (in wastewater network) to remove visual pollutants in sewage
	Improving on-site practice and handling of contaminants
	Improving trade waste discharges, including removing discharges to stormwater
	Road sweeping to remove fines
	Avoid heavy machinery in water courses
	Revised catch-pit maintenance programme (increase regularity at heavy traffic sites)
	Accident contingency – (Fire Service, bus companies)
	Develop 'fly-tipping' strategy
	Avoid mowing in streams
	Use of sediment retention devices on farmland
	The amount of water taken as a permitted activity

