

Summary of TAOPW Scenarios Modelled

		Land and water use practice	
		Improved	Water sensitive
Rural	Retirement of classes 8, 7e (NZLRI) land		Retirement of classes 8, 7e, 6e (NZLRI) land into woody vegetation
	Space planting on all Class 6e (NZLRI) land		
	Stock exclusion from all streams (permanently flowing water 0.5m wide or 30 cm deep)		Stock exclusion from all streams (permanently flowing water 0.5m wide or 30cm deep)
	Sediment management practice in accordance with the Proposed National Environmental Standard for Plantation Forestry		Sediment management practice in accordance with an enhanced level of implementation of the Proposed National Environmental Standard for Plantation Forestry
All areas	Riparian planting on all streams, 5m width planting in native species (both sides)		Riparian planting on all streams, 10m width planting in native species (both sides)
Urban development	Stormwater management practice is enhanced to reach a 'best practice' standard (BMP). This is likely to reflect national best practice, with some degree of analysis to identify mitigation practices likely to be feasible and valuable in the whitua. This BMP approach tends to be focussed on the use of stormwater management devices and follows the approach of current land development practice, aiming for large flat sections, large houses and large roads.		'Better than best practice' approach. This will mean the full application of water sensitive urban design (WSUD) principles in subdivision design and construction, including seeking lower imperviousness than BAU and BMP practice, smaller building and road footprints, greater enhancement of water ways through riparian and green space management, and green stormwater infrastructure choices.
Existing land use and asset management	Retrofitting of proprietary devices (e.g. filter pods)		Retrofitting of rain gardens
	<ul style="list-style-type: none"> On public land (distributed) On private land (high risk sites?) Treatment of high trafficked roads 		Retrofitting of stormwater treatment wetlands <ul style="list-style-type: none"> On public land (catchment-scale) Treatment of high trafficked roads (catchment-scale)
			Rain water harvest and reuse <ul style="list-style-type: none"> Install rain tanks in dwellings Install rain tanks and reuse in commercial properties
	Mitigate high zinc generating roofs by replacement or painting		Mitigate high zinc generating roofs by replacement or painting
	Improve network performance so that overflows occur no more than 4 times per year		Improve network performance so that overflows occur no more than 2 times per year