ISSUE 1 – Awa Wide

Issue	Objective/Policy	Mauri			Uu	Wai Maori			Wairua		Kaitiakitanga				Whakapapa
		Ecosystem health	Indigenous riparian vegetation	Natural character	Swimming Immersion Baptism	Mauri Ora ki Uta ki tai	Mauri Whenua Natural Character	Mauri Wai Natural Water quality	Karakia	Mana Atua	Ahu whenua Ahu Moana Mahinga kai species	Ahu whenua Ahu Moana Mahinga kai practice	Te hāpai ō Te Tūturutanga mahi pono	Access	Fish passage
Issue 1: Valuing water: he wai he Taonga	obj 1a-e Obj, limits, trgts	✓	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓		n/a
Water, whether in a river or groundwater, has its own mana and intrinsic value. Maintaining mauri encompasses	obj 2a-b Discharges	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
spiritual health of the water, of ecosystems, and of communities connected to and dependent on these elements, now and in the future.	obj 3 Te mana o te wai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
Water is viewed as a taonga, a treasure where mauri and ecosystem health are protected and provided for. This is consistent with the requirements of the NPS for the protection of ecosystem health and the desire of the	obj 4 2040	?	?	?	?	?	?	?	?	?	?	?	?		?
	obj 5 Ahuriri[1]	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 6 Ngaruroro	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 7 Tutaekuri	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 8 Karamu	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 9 Groundwater	?	✓	✓	?	?	?	?	?	?	?	?	?		N/A
	obj 10 Wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 11 Aquatic health	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 12 Land use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 13 Water quantity[2]	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 14 Future water[3]	?	?	✓	?	?	?	?	?	?	?	?	?		X
	obj 15 Freshwater mgmt.	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 16 Climate Change	?	?	✓	?	?	?	?	?	?	?	?	?		?
wider community to manage water sustainably for current and future generations.	pol 1a-f SW/GW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 2 Karamu/Clive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 3 Lakes and wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
The Plan also addresses the need to provide for the practical needs of the community for water of sufficient	pol 4 Ngaruroro Tutaekuri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 5 Ahuriri	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 6 GW	?	✓	?	?	?	?	?	?	?	?	?	?		X
quality and quantity for the health and well-being of people as well as to meet their social and economic needs	pol 7 Discharge	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 8 Drinking water	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 9 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 10 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
related to the abstraction of water. Instream and other values including flood and drainage values and those	pol 11 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 12 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 13 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 14 Phormidium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 15 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A

[1] 5e, 6-9f, 13d, 14b&d cause concern and uncertainty around reducing allocation limits

[2] Uncertain of timeframe to review

[3] Non consensus item, Forest and Bird and the Treaty partner working group oppose in particular the proposed flow enhancement scheme for the lowland rivers of the Karamu catchment as being uncertain as to their effectiveness and seek further reductions in allocations as a preferred alternative

depending on abstraction are all recognised by this plan change. Some existing land and water use practices can affect the mauri or ecosystem health. Some of the effects also arise from activities and events that occurred decades in the past, including through vegetation clearance, floods and flood protection, river diversions, wetland drainage and earthquakes. Changes to landscape, its waterbodies and vegetation have had enduring adverse effects on tangata whenua cultural practices and their role as kaitiaki. The Plan focuses on the values for which water is to be managed by the setting of objectives, limits and other management measures. It also acknowledges the wider Māori perspectives of kawa, kaupapa and tikanga that consistent with those cultural principles and approaches. The relationship between values for which water is to be managed and the Māori culture and traditions in relation to freshwater management are expressed in figure 1. There are several at risk and threatened or endangered indigenous plant and animal species dependant on healthy aquatic ecosystems, including wetland and riparian margins. These species contribute to the regions biodiversity and land use and freshwater provisions for their habitat, including water quality and quantity will complement the Hawkes Bay Biodiversity Strategy.	pol 16 Adverse effects	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 17 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 18 Sediment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	pol 19 Land use change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 20 Stock exclusion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 21 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 22 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 23 FEP	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 24 Management	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 25 Timeframes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 26 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 27 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 28 Dealing with legacy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 29 Integration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 30 Ahuriri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	[4]pol 31 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 32 TANK group update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A
	pol 33 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 34 Minimum flow[5]	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 35 Flow enhancement[6]	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 36 Reallocate water	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 37 Over allocation[7]	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 38 Stream depletion	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 39 Low-flow mgmt.	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 40 Over allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 41 Water use allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 42 Water Efficiency	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 43 change/transfer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 44 Frost protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 45 Permit duration	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 46 Water priority	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 47 Maori development	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 48 Water priority	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 49 water Shortage areas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 50 Water Damming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 51 Water take/storage	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 52 Water storage – aug	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 53 supply for abs uses	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 54 Dam prohibition	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 55 Paretua/Karewarewa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?

[4] Concerns exists around the degree to which monitoring can inform, resourcing issues also exists

[5] Manawhenua do not support HBRC proposed flows and have made alternative suggestions
[6] Mana whenua do not support augmentation from groundwater
[7] Mana whenua do not support augmentation from groundwater and are uncertain of the effectiveness of this policy

Issue 2 – Awa Wide

Issue	Objective/Policy	Mauri			Uuu	Wai Maori			Wairua		Kaitiakitanga				Whakapapa
		Ecosystem health	Indigenous riparian vegetation	Natural character	Swimming Immersion Baptism	Mauri Ora ki Uta ki tai	Mauri Whenua Natural Character	Mauri Wai Natural Water quality	Karakia	Mana Atua	Ahu whenua Ahu Moana Mahinga kai species	Ahu whenua Ahu Moana Mahinga kai practice	Te hāpai ō Te Tūturutanga mahi pono	Access	Fish passage
Issue 2: Mauri, Ecosystem Health and Contaminant Discharges Water quality in some places does not uphold or protect mauri nor meet the needs of other cultural, tikanga Māori, recreational or ecosystem health values in freshwater bodies and estuaries at all times. This is as a result of direct discharges of contaminants, including in urban stormwater, and also as a result of non – point source discharges arising from land use activities and cumulatively affecting water quality. Adverse effects from point source discharges are being reduced through resource consenting processes. Non-point source discharges, include loss of contaminants including nutrients from rural activities, soil loss from land disturbance activities and stream bank erosion. To date, there has been little regulatory management of non-point source discharges which cumulatively can contribute significant amounts of contaminants to waterbodies.	obj 1a-e Obj, limits, trgts	✓	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓		n/a
	obj 2a-b Discharges	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 3 Te mana o te wai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 4 2040	?	?	?	?	?	?	?	?	?	?	?	?		?
	obj 5 Ahuriri	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 6 Ngaruroro	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 7 Tutaekuri	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 8 Karamu	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 9 Groundwater	?	✓	✓	?	?	?	?	?	?	?	?	?		N/A
	obj 10 Wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 11 Aquatic health	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 12 Land use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 13 Water quantity	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 14a-c,e Future water	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 15 Freshwater mgmt.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 16 Climate Change	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 1a-f SW/GW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 2 Karamu/Clive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 3 Lakes and wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 4 Ngaruroro Tutaekuri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 5 Ahuriri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 6 GW	?	✓	?	?	?	?	?	?	?	?	?	?		X
	pol 7 Discharge	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 8 Drinking water	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 9 Riparian	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 10 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 11 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 12 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 13 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 14 Phormidium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 15 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 16 Adverse effects	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 17 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 18 Sediment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	pol 19 Land use change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 20 Stock exclusion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X

Land use changes can also result in an increase in the amount of contaminants entering water. New management systems are required to ensure water quality can be maintained or improved over time when these sorts of land use change occur.	pol 21 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 22 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 23 FEP	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 24 Management	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 25 Timeframes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 26 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 27 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 28 Dealing with legacy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 29 Integration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 30 Ahuriri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
In the lowland tributaries, water quality is also affected by excessive macrophyte growth and reduced flows which reduces oxygen levels and high-water temperatures during summer where waterbodies do not have adequate shading.	[8]pol 31 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 32 TANK group update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A
	pol 33 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 34 Minimum flow	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 35 Flow enhancement	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 36 Reallocate water	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 37 Over allocation	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 38 Stream depletion	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 39 Low-flow mgmt.	?	?	?	?	?	?	?	?	?	?	?	?		N/A
The impact of contaminant inputs into estuary ecosystems is also a significant issue as the Waitangi and Ahuriri estuaries both show declining trends for ecosystem health with consequential adverse effects on the values held for those aquatic ecosystems.	pol 40 Over allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 41 Water use allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 42 Water Efficiency	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 43 change/transfer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 44 Frost protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 45 Permit duration	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 46 Water priority	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 47 Maori development	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 48 Water priority	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 49 water Shortage areas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 50 Water Damming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 51 Water take/storage	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 52 Water storage – aug	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 53 supply for abs uses	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 54 Dam prohibition	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 55 Paretua/Karewarewa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?

Issue 3 – Awa wide

Issue	Objective/Policy	Mauri			Uuu	Wai Maori			Wairua		Kaitiakitanga				Whakapapa
		Ecosystem health	Indigenous riparian vegetation	Natural character	Swimming Immersion Baptism	Mauri Ora ki Uta ki tai	Mauri Whenua Natural Character	Mauri Wai Natural Water quality	Karakia	Mana Atua	Ahu whenua Ahu Moana Mahinga kai species	Ahu whenua Ahu Moana Mahinga kai practice	Te hāpai ō Te Tūturutanga mahi pono	Access	Fish passage
Issue 3: Mauri, Ecosystem Health, and Water Flows and Levels	obj 1a-e Obj, limits, trgts	✓	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓		n/a
	obj 2a-b Discharges	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 3 Te mana o te wai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
Mauri and ecosystem health,	obj 4 2040	?	?	?	?	?	?	?	?	?	?	?	?		?
as well as the range of	obj 5 Ahuriri	?	?	?	?	?	?	?	?	?	?	?	?		X
community held values	obj 6 Ngaruroro	?	?	?	?	?	?	?	?	?	?	?	?		X
including instream and	obj 7 Tutaekuri	?	?	?	?	?	?	?	?	?	?	?	?		X
ecosystem values, rely on	obj 8 Karamu	?	?	?	?	?	?	?	?	?	?	?	?		X
adequate water levels and	obj 9 Groundwater	?	✓	✓	?	?	?	?	?	?	?	?	?		N/A
flows to be maintained within	obj 10 Wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
water bodies.	obj 11 Aquatic health	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
The community also values	obj 12 Land use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
water for a range of	obj 13 Water quantity	?	?	?	?	?	?	?	?	?	?	?	?		X
abstractive uses including	obj 14 Future water	?	?	✓	?	?	?	?	?	?	?	?	?		X
domestic and municipal water	obj 15 Freshwater mgmt.	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
supply,	obj 16 Climate Change	?	?		?	?	?	?	?	?	?	?	?		?
irrigation for a range of				✓											
purposes including for food	pol 1a-f SW/GW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
and fibre production and	pol 2 Karamu/Clive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
community gardens ; mahi	pol 3 Lakes and wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
māra,	pol 4 Ngaruroro Tutaekuri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
food processing, stock	pol 5 Ahuriri	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
watering and industrial and	pol 6 GW	?	✓	?	?	?	?	?	?	?	?	?	?		X
commercial purposes.	pol 7 Discharge	?	?	?	?	?	?	?	?	?	?	?	?		X
There is a need to establish	pol 8 Drinking water	?	?	?	?	?	?	?	?	?	?	?	?		X
flow management regimes and	pol 9 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
allocation limits to guide the	pol 10 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
abstraction of water so	pol 11 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
that appropriate levels of	pol 12 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
protection for mauri and	pol 13 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
ecosystem health are provided	pol 14 Phormidium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
while acknowledging and	pol 15 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
providing for the practical	pol 16 Adverse effects	?	?	?	?	?	?	?	?	?	?	?	?		X
needs of the community for	pol 17 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
water at reasonable reliability	pol 18 Sediment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
of supply.	pol 19 Land use change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 20 Stock exclusion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X

For some water bodies, flooding and drainage management activities as well as allocation of water for abstractive uses have resulted in significant adverse effects on aquatic ecosystems and instream values. This includes the Heretaunga Plains groundwater where abstraction is impacting on surface water flows. Ngaruroro/Tutaekuri flows and allocations still to be confirmed	pol 21 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 22 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 23 FEP	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 24 Management	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 25 Timeframes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 26 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 27 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 28 Dealing with legacy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 29 Integration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 30 Ahuriri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 31 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 32 TANK group update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A
	pol 33 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 34 Minimum flow	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 35 Flow enhancement	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 36 Reallocate water	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 37 Over allocation	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 38 Stream depletion	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 39 Low-flow mgmt.	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 40 Over allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 41 Water use allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 42 Water Efficiency	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 43 change/transfer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 44 Frost protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 45 Permit duration	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 46 Water priority	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 47 Maori development	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 48 Water priority	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 49 water Shortage areas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 50 Water Damming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 51 Water take/storage	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 52 Water storage – aug	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 53 supply for abs uses	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 54 Dam prohibition	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 55 Paretua/Karewarewa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?

Issue 5 – Awa wide

Issue	Objective/Policy	Mauri			Uuu	Wai Maori			Wairua		Kaitiakitanga				Whakapapa
		Ecosystem health	Indigenous riparian vegetation	Natural character	Swimming Immersion Baptism	Mauri Ora ki Uta ki tai	Mauri Whenua Natural Character	Mauri Wai Natural Water quality	Karakia	Mana Atua	Ahu whenua Ahu Moana Mahinga kai species	Ahu whenua Ahu Moana Mahinga kai practice	Te hāpai ō Te Tūturutanga mahi pono	Access	Fish passage
Issue 5: Water Demand	obj 1a-e Obj, limits, trgts	✓	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓		n/a
In parts of the TANK	obj 2a-b Discharges	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
catchments there is	obj 3 Te mana o te wai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
insufficient fresh water to	obj 4 2040	?	?	?	?	?	?	?	?	?	?	?	?		?
meet all the abstraction	obj 5 Ahuriri	?	?	?	?	?	?	?	?	?	?	?	?		X
demands placed on the	obj 6 Ngaruroro	?	?	?	?	?	?	?	?	?	?	?	?		X
resource all of the time,	obj 7 Tutaekuri	?	?	?	?	?	?	?	?	?	?	?	?		X
including as a result of	obj 8 Karamu	?	?	?	?	?	?	?	?	?	?	?	?		X
population growth, and there	obj 9 Groundwater	?	✓	✓	?	?	?	?	?	?	?	?	?		N/A
may be opportunities for	obj 10 Wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
conserving,	obj 11 Aquatic health	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
harvesting, storing and	obj 12 Land use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
augmenting supplies.	obj 13 Water quantity	?	?	?	?	?	?	?	?	?	?	?	?		X
The effects of climate change	obj 14a-c,e Future water	?	?	✓	?	?	?	?	?	?	?	?	?		X
may also impact on rainfall,	obj 15 Freshwater mgmt.	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
water flows and water	obj 16 Climate Change	?	?		?	?	?	?	?	?	?	?	?		?
availability making these				✓											
opportunities even more	pol 1a-f SW/GW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
relevant.	pol 2 Karamu/Clive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 3 Lakes and wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 4 Ngaruroro Tutaekuri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 5 Ahuriri	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 6 GW	?	✓	?	?	?	?	?	?	?	?	?	?		X
	pol 7 Discharge	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 8 Drinking water	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 9 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 10 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 11 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 12 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 13 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 14 Phormidium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 15 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 16 Adverse effects	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 17 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 18 Sediment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	pol 19 Land use change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 20 Stock exclusion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X

	pol 21 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 22 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 23 FEP	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 24 Management	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 25 Timeframes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 26 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 27 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 28 Dealing with legacy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 29 Integration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 30 Ahuriri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 31 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 32 TANK group update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A
	pol 33 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 34 Minimum flow	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 35 Flow enhancement	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 36 Reallocate water	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 37 Over allocation	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 38 Stream depletion	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 39 Low-flow mgmt.	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 40 Over allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 41 Water use allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 42 Water Efficiency	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 43 change/transfer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 44 Frost protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 45 Permit duration	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 46 Water priority	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 47 Maori development	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 48 Water priority	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 49 water Shortage areas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 50 Water Damming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 51 Water take/storage	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 52 Water storage – aug	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 53 supply for abs uses	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 54 Dam prohibition	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 55 Paretua/Karewarewa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?

Issue 6 – Awa wide

Issue	Objective/Policy	Mauri			Uuu	Wai Maori			Wairua		Kaitiakitanga				Whakapapa
		Ecosystem health	Indigenous riparian vegetation	Natural character	Swimming Immersion Baptism	Mauri Ora ki Uta ki tai	Mauri Whenua Natural Character	Mauri Wai Natural Water quality	Karakia	Mana Atua	Ahu whenua Ahu Moana Mahinga kai species	Ahu whenua Ahu Moana Mahinga kai practice	Te hāpai ō Te Tūturutanga mahi pono	Access	Fish passage
Issue 6: Balancing Costs and Timeframes	obj 1a-e Obj, limits, trgts	✓	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓		n/a
The restoration and protection	obj 2a-b Discharges	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
of water quality to meet the	obj 3 Te mana o te wai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
objectives for mauri,	obj 4 2040	?	?	?	?	?	?	?	?	?	?	?	?		?
ecosystem health and water	obj 5 Ahuriri	?	?	?	?	?	?	?	?	?	?	?	?		X
quality enables the people and	obj 6 Ngaruroro	?	?	?	?	?	?	?	?	?	?	?	?		X
communities to continue to	obj 7 Tutaekuri	?	?	?	?	?	?	?	?	?	?	?	?		X
provide for their social,	obj 8 Karamu	?	?	?	?	?	?	?	?	?	?	?	?		X
economic and cultural and	obj 9 Groundwater	?	✓	✓	?	?	?	?	?	?	?	?	?		N/A
tikanga Māori	obj 10 Wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
wellbeing/hauora.	obj 11 Aquatic health	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
In some places in the TANK	obj 12 Land use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
catchments a significant	obj 13 Water quantity	?	?	?	?	?	?	?	?	?	?	?	?		X
investment into mitigation	obj 14a-c,e Future water	?	?	✓	?	?	?	?	?	?	?	?	?		X
measures may be required to	obj 15 Freshwater mgmt.	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
meet those objectives. A	obj 16 Climate Change	?	?	✓	?	?	?	?	?	?	?	?	?		?
staged approach to change	pol 1a-f SW/GW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
enables people and	pol 2 Karamu/Clive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
communities to undertake	pol 3 Lakes and wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
adaptive	pol 4 Ngaruroro Tutaekuri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
management to continue to	pol 5 Ahuriri	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
provide for their social,	pol 6 GW	?	✓	?	?	?	?	?	?	?	?	?	?		X
economic and cultural and	pol 7 Discharge	?	?	?	?	?	?	?	?	?	?	?	?		X
tikanga Māori wellbeing/	pol 8 Drinking water	?	?	?	?	?	?	?	?	?	?	?	?		X
hauora	pol 9 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
in the short term.	pol 10 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 11 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 12 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 13 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 14 Phormidium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 15 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 16 Adverse effects	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 17 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 18 Sediment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	pol 19 Land use change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 20 Stock exclusion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X

	pol 21 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 22 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 23 FEP	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 24 Management	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 25 Timeframes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 26 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 27 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 28 Dealing with legacy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 29 Integration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 30 Ahuriri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 31 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 32 TANK group update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A
	pol 33 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 34 Minimum flow	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 35 Flow enhancement	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 36 Reallocate water	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 37 Over allocation	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 38 Stream depletion	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 39 Low-flow mgmt.	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 40 Over allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 41 Water use allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 42 Water Efficiency	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 43 change/transfer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 44 Frost protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 45 Permit duration	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 46 Water priority	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 47 Maori development	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 48 Water priority	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 49 water Shortage areas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 50 Water Damming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 51 Water take/storage	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 52 Water storage – aug	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 53 supply for abs uses	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 54 Dam prohibition	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 55 Paretua/Karewarewa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?

Issue 7 – Awa wide

Issue	Objective/Policy	Mauri			Uuu	Wai Maori			Wairua		Kaitiakitanga				Whakapapa
		Ecosystem health	Indigenous riparian vegetation	Natural character	Swimming Immersion Baptism	Mauri Ora ki Uta ki tai	Mauri Whenua Natural Character	Mauri Wai Natural Water quality	Karakia	Mana Atua	Ahu whenua Ahu Moana Mahinga kai species	Ahu whenua Ahu Moana Mahinga kai practice	Te hāpai ō Te Tūturutanga mahi pono	Access	Fish passage
Issue 7: Understanding TANK Freshwater Resources	obj 1a-e Obj, limits, trgts	✓	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓		n/a
There are information gaps	obj 2a-b Discharges	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
throughout these TANK	obj 3 Te mana o te wai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
catchments, with some arising	obj 4 2040	?	?	?	?	?	?	?	?	?	?	?	?		?
because of the values-based	obj 5 Ahuriri	?	?	?	?	?	?	?	?	?	?	?	?		X
approach to water	obj 6 Ngaruroro	?	?	?	?	?	?	?	?	?	?	?	?		X
management and the wider,	obj 7 Tutaekuri	?	?	?	?	?	?	?	?	?	?	?	?		X
more holistic approach that	obj 8 Karamu	?	?	?	?	?	?	?	?	?	?	?	?		X
has been taken in relation to	obj 9 Groundwater	?	✓	✓	?	?	?	?	?	?	?	?	?		N/A
environmental management.	obj 10 Wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
Some of this results from	obj 11 Aquatic health	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
developing understanding	obj 12 Land use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
about the complex	obj 13 Water quantity	?	?	?	?	?	?	?	?	?	?	?	?		X
interrelationships	obj 14a-c,e Future water	?	?	✓	?	?	?	?	?	?	?	?	?		X
within freshwater and land	obj 15 Freshwater mgmt.	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
systems, both at a local sub-	obj 16 Climate Change	?	?	✓	?	?	?	?	?	?	?	?	?		?
catchment scale and in relation	pol 1a-f SW/GW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
to the wider freshwater -	pol 2 Karamu/Clive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
coastal water interface.	pol 3 Lakes and wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
In future, technology land and	pol 4 Ngaruroro Tutaekuri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
water practices and	pol 5 Ahuriri	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
information availability are	pol 6 GW	?	✓	?	?	?	?	?	?	?	?	?	?		X
likely to change, both	pol 7 Discharge	?	?	?	?	?	?	?	?	?	?	?	?		X
increasing	pol 8 Drinking water	?	?	?	?	?	?	?	?	?	?	?	?		X
understanding of 'state' and	pol 9 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
impacts and also improving	pol 10 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
management and mitigation	pol 11 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
responses. The scale of	pol 12 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
information collection is also	pol 13 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
likely to change as more	pol 14 Phormidium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
focussed approaches to water	pol 15 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
management are used at a	pol 16 Adverse effects	?	?	?	?	?	?	?	?	?	?	?	?		X
sub-catchment or marae	pol 17 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
scale..	pol 18 Sediment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	pol 19 Land use change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 20 Stock exclusion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X

	pol 21 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 22 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 23 FEP	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 24 Management	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 25 Timeframes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 26 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 27 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 28 Dealing with legacy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 29 Integration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 30 Ahuriri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 31 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 32 TANK group update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A
	pol 33 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 34 Minimum flow	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 35 Flow enhancement	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 36 Reallocate water	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 37 Over allocation	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 38 Stream depletion	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 39 Low-flow mgmt.	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 40 Over allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 41 Water use allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 42 Water Efficiency	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 43 change/transfer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 44 Frost protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 45 Permit duration	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 46 Water priority	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 47 Maori development	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 48 Water priority	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 49 water Shortage areas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 50 Water Damming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 51 Water take/storage	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 52 Water storage – aug	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 53 supply for abs uses	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 54 Dam prohibition	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 55 Paretua/Karewarewa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?

Issue 8 – Awa wide

Issue	Objective/Policy	Mauri			Uuu	Wai Maori			Wairua		Kaitiakitanga				Whakapapa
		Ecosystem health	Indigenous riparian vegetation	Natural character	Swimming Immersion Baptism	Mauri Ora ki Uta ki tai	Mauri Whenua Natural Character	Mauri Wai Natural Water quality	Karakia	Mana Atua	Ahu whenua Ahu Moana Mahinga kai species	Ahu whenua Ahu Moana Mahinga kai practice	Te hāpai ō Te Tūturutanga mahi pono	Access	Fish passage
Issue 8: Accounting for Predicted Climate Change	obj 1a-e Obj, limits, trgts	✓	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓		n/a
Climate is changing, which also	obj 2a-b Discharges	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
has an impact on natural	obj 3 Te mana o te wai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
climate variability. The	obj 4 2040	?	?	?	?	?	?	?	?	?	?	?	?		?
challenge which not knowing	obj 5 Ahuriri	?	?	?	?	?	?	?	?	?	?	?	?		X
the extent to which climate	obj 6 Ngaruroro	?	?	?	?	?	?	?	?	?	?	?	?		X
variability will change further	obj 7 Tutaekuri	?	?	?	?	?	?	?	?	?	?	?	?		X
and how this may impact on	obj 8 Karamu	?	?	?	?	?	?	?	?	?	?	?	?		X
water flows, levels and quality,	obj 9 Groundwater	?	✓	✓	?	?	?	?	?	?	?	?	?		N/A
or the precise timeframes	obj 10 Wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
within which these anticipated	obj 11 Aquatic health	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
changes will occur.	obj 12 Land use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	obj 13 Water quantity	?	?	?	?	?	?	?	?	?	?	?	?		X
	obj 14a-c,e Future water	?	?	✓	?	?	?	?	?	?	?	?	?		X
HBRC is required to have	obj 15 Freshwater mgmt.	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
particular regard to the effects	obj 16 Climate Change	?	?		?	?	?	?	?	?	?	?	?		?
of climate change when				✓											
managing the use,	pol 1a-f SW/GW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
development, and protection	pol 2 Karamu/Clive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
of natural and physical	pol 3 Lakes and wetland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
resources.	pol 4 Ngaruroro Tutaekuri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 5 Ahuriri	✓	✓	?	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 6 GW	?	✓	?	?	?	?	?	?	?	?	?	?		X
	pol 7 Discharge	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 8 Drinking water	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 9 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 10 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 11 Riparian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 12 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 13 Wetland management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 14 Phormidium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 15 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 16 Adverse effects	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 17 Adverse effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 18 Sediment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	pol 19 Land use change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 20 Stock exclusion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X

	pol 21 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 22 Industry program	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 23 FEP	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 24 Management	?	?	?	?	?	?	?	?	?	?	?	?		X
	pol 25 Timeframes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 26 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 27 Stormwater	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 28 Dealing with legacy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 29 Integration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 30 Ahuriri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X
	pol 31 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 32 TANK group update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A
	pol 33 Monitoring	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 34 Minimum flow	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 35 Flow enhancement	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 36 Reallocate water	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 37 Over allocation	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 38 Stream depletion	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 39 Low-flow mgmt.	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 40 Over allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 41 Water use allocation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 42 Water Efficiency	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 43 change/transfer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 44 Frost protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 45 Permit duration	?	?	?	?	?	?	?	?	?	?	?	?		N/A
	pol 46 Water priority	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 47 Maori development	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 48 Water priority	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 49 water Shortage areas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		N/A
	pol 50 Water Damming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 51 Water take/storage	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 52 Water storage – aug	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 53 supply for abs uses	?	?	?	?	?	?	?	?	?	?	?	?		?
	pol 54 Dam prohibition	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?
	pol 55 Paretua/Karewarewa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		?