

TO THE PROPOSED
WAIKATO REGIONAL PLAN
CHANGE 1 - WAIKATO
AND WAIPĀ RIVER
CATCHMENTS

TE WHAKATAURANGITANGA TUATAHI I
TE PANONITANGA TUATAHI O TE MAHERE
Ā-ROHE A WAIKATO E MAROHITIA NEI - NGĀ
RIU O NGĀ AWA O WAIKATO ME WAIPĀ

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Background and Explanation to Variation 1

Proposed Waikato Regional Plan Change 1 - Waikato and Waipā River Catchments/te panonitanga 1 i te mahere ā-rohe a Waikato e marohitia nei – ngā riu o ngā awa o Waikato me Waipā (hereafter referred to as Plan Change 1), was proposed to manage water quality to support the achievement of the Vision and Strategy for the Waikato River. In December 2016 Plan Change 1 was partially withdrawn to enable consultation with Hauraki iwi.

Variation 1 makes changes to Plan Change 1. These changes include:

- Reinstatement of provisions that had been withdrawn from Plan Change 1 (including reinstatement of the north-eastern portion of the Waikato region to the area covered by Plan Change 1);
- Provisions identified during the development and consultation of the Variation;
- Amendments to Plan Change 1 to alter some of the dates applying to provisions, including dates related to:
 - Registration of properties over two hectares
 - Provision of information to Waikato Regional Council for certain properties over 4.1 hectares
 - Provision of Farm Environment Plans to Waikato Regional Council (Priority 1 and 2 sub-catchments)
 - Provision of a Nitrogen Reference Point to Waikato Regional Council for properties over 20 hectares and all commercial vegetable production
 - Certain farming activities and existing commercial vegetable production remaining as permitted activities

These changes are the subject of Variation 1, set out in the table below. Note, the page numbers in the table refer to the Proposed Waikato Regional Plan Change 1: Waikato and Waipā River Catchments document notified on 22 October 2016.

This document shows only those provisions that are proposed to be amended, or new provisions proposed to be inserted. To fully understand Variation 1, it should be read in conjunction with Proposed Plan Change 1.

Text that was withdrawn from Plan Change 1 and is to be reinserted by way of this Variation, is shown as underlined and in red and prefaced by the term 'reinserted...'. ~~Strikethrough text~~ has been removed.

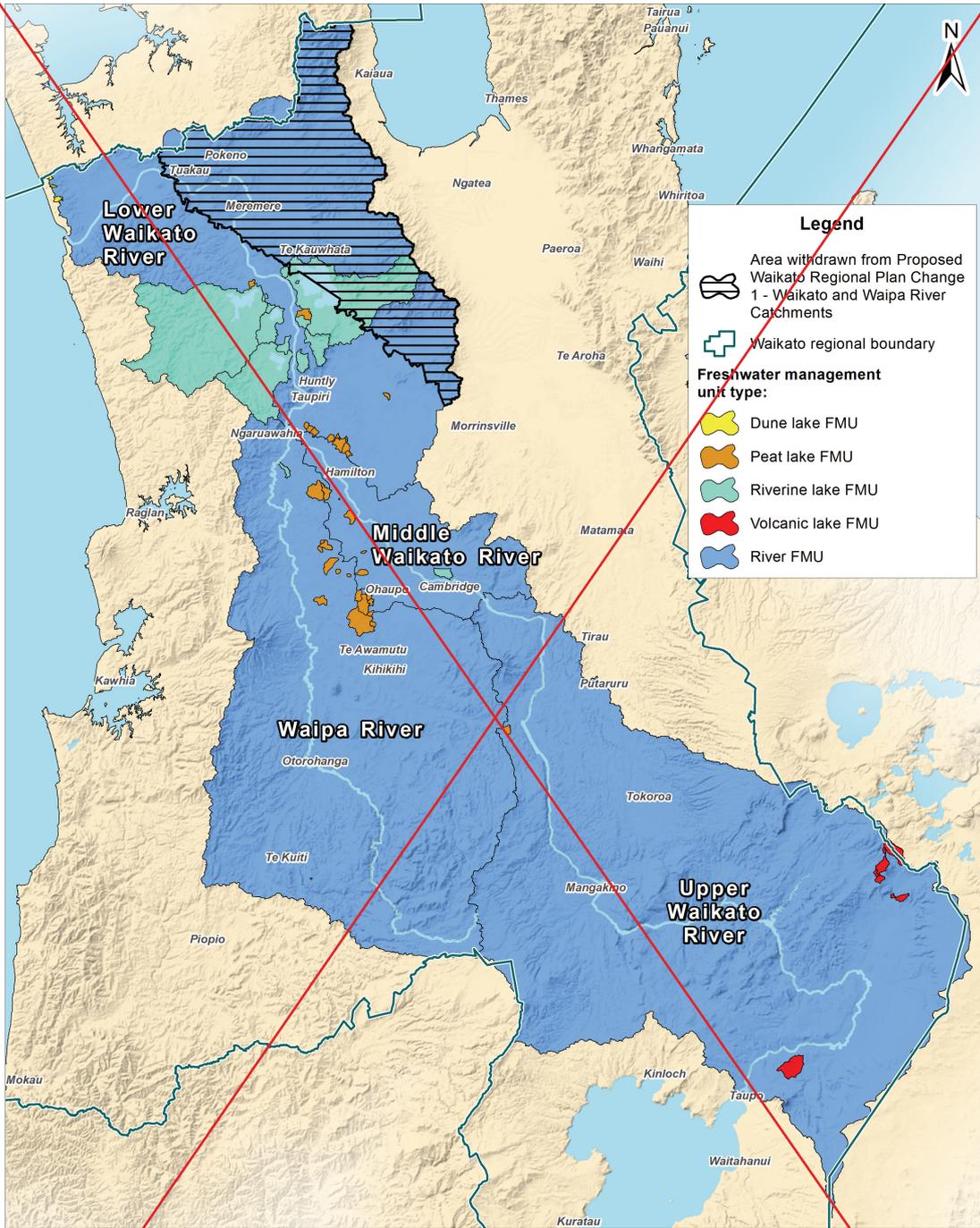
New changes are highlighted and in red in ~~strikethrough~~ or underlined text and prefaced by the term 'Amended as follows'.

Variation 1 to Proposed Waikato Regional Plan Change 1 - Waikato and Waipā River Catchments

3.11 Waikato and Waipā River Catchments/Ngā Riu o ngā Awa o Waikato me Waipā

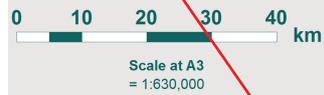
Page number	Provision	Text now reads
8	Explanatory Statement	[Amended as follows:] ... The Rules in Part A - Rules 3.11.5.1 to 3.11.5.7 of Chapter 3.11 have immediate legal effect from the date of notification (22 October 2016) in accordance with...
12	Map 3.11-1	[Replaced Map 3.11-1 with amended version. See map that follows.]
13 17	Background and explanation - Collaborative approach Te Horopaki me ngā Whakamārama - Te huarahi o te mahi ngātahi	[Amended as follows:] ... A key feature of the collaborative approach ... experts from a range of disciplines. For Proposed Plan Change 1 The CSG also sought input from their sectors and from the community... Ko tētehi āhuatanga matua o te huarahi o te mahi ngātahi ... tētehi rōpū mātanga ā-waho i ahu mai i ētehi tūmomo pekanga mātauranga. I te Panonitanga Tuatahi o te Mahere e Marohitia nei, i whai hoki te Rōpū Mahi Ngātahi o ngā Hunga Whai Pānga i ngā whakaaro o ē rātou rāngai me te hapori, ā, nā rātou ngā kōrero o te Upoko 3.11 i whakatakoto ki te hunga whakatau.
13 17	Background and explanation Te Horopaki me ngā Whakamārama	[Insert new text as follows, after section on Collaborative Approach:] Consultation Schedule 1 of the RMA includes requirements to consult with certain parties, including iwi authorities, during the preparation of the Variation. Consultation has taken place with affected parties including the relevant iwi authorities and the issues raised during consultation have been taken into account by Waikato Regional Council in the development of Variation 1. Consultation has led to a Variation to Proposed Plan Change 1. Te Whakawhiti Kōrero Kei roto i te Rārangi Whakawhiti Kōrero 1 o te RMA ngā here kia mātua whakawhiti kōrero me ētehi hunga, pērā i ngā rūnanga ā-iwi, i te wā e whakaritea ana te Whakataurangitanga. Kua oti ngā whakawhitinga kōrero me ngā hunga e pāngia ana, tae atu ki ngā rūnanga ā-iwi e hāngai ana, ā, kua āta arohia ngā take i ara ake ai i aua whakawhitinga kōrero e te Kaunihera ā-Rohe o Waikato i

te whakaritenga o Te Whakataurangitanga Tuatahi. Nā ngā whakawhitinga kōrero i hua ai Te Whakataurangitanga i te Panonitanga Tuatahi o te Mahere e Marohitia nei.



Acknowledgements and Disclaimers
 1. © Waikato Regional Council 2013-2016. Healthy Rivers: Plan for Change / Wai Ora: He Rautaki Whakapaipai Data
 2. Digital political boundaries data sourced from Statistics New Zealand.
 3. Hydrological data sourced from Land Information New Zealand. Crown Copyright Reserved.

Freshwater management units: Dated 3 December 2016

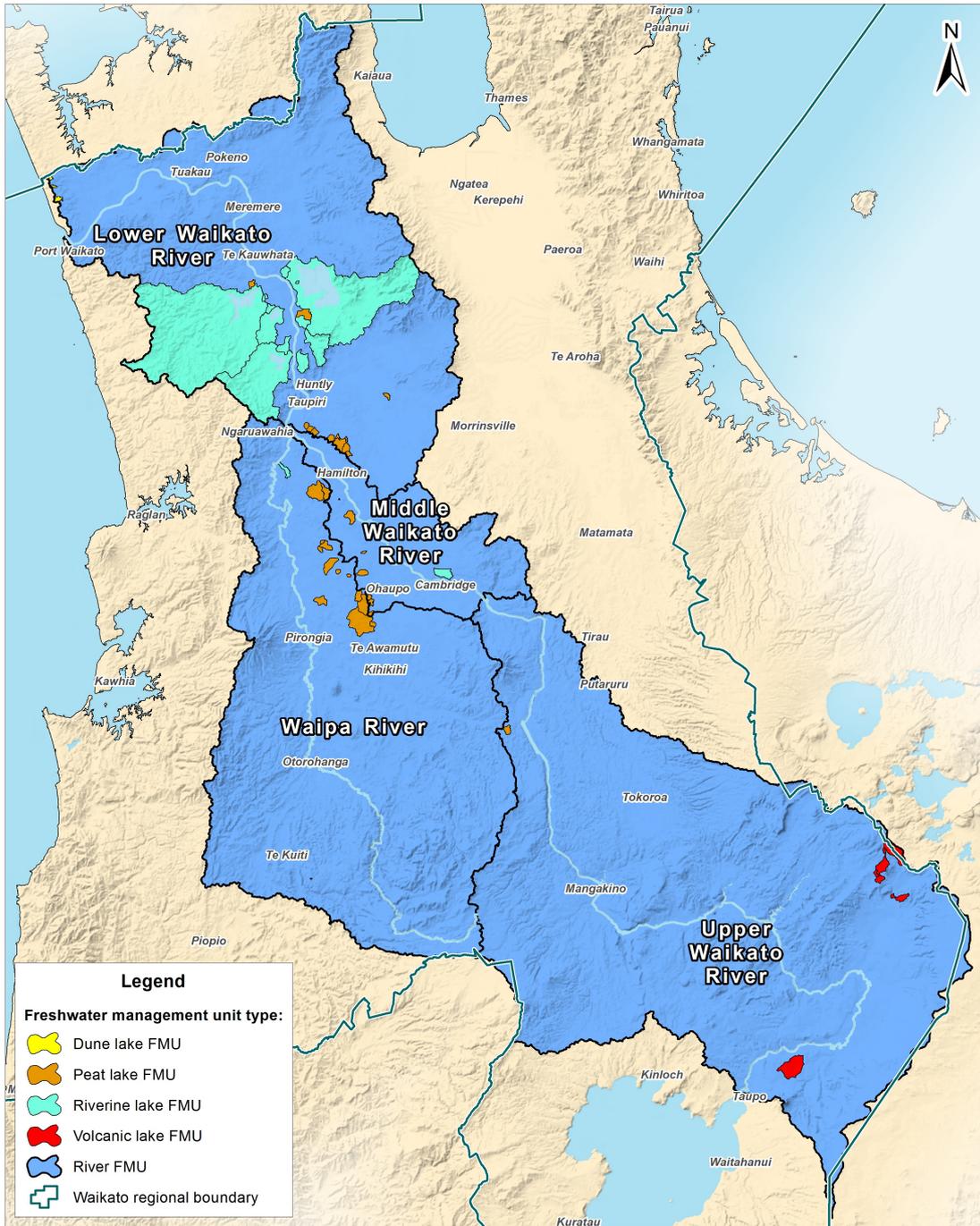


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Map 3.11-1: Map of the Waikato and Waipa River catchments, showing Freshwater Management Units



Acknowledgements and Disclaimers
 1. © Waikato Regional Council 2013-2016. Healthy Rivers: Plan for Change / Wai Ora: He Rautaki Whānau Māori. Data.
 2. Digital political boundaries data sourced from Statistics New Zealand.
 3. Hydrological data sourced from Land Information New Zealand. Crown Copyright Reserved.

Freshwater management units

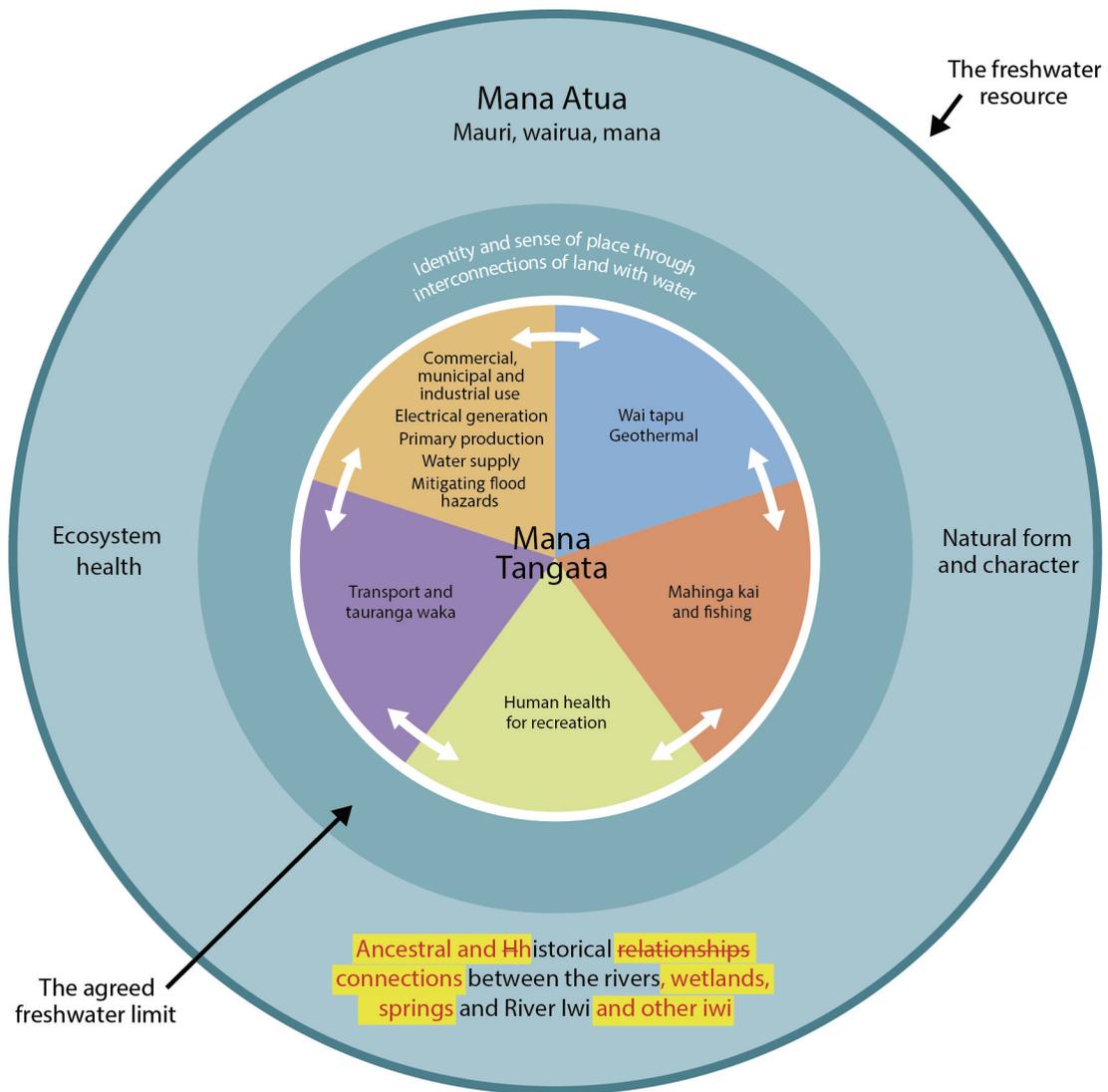
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Map 3.11-1: Map of the Waikato and Waipa River catchments, showing Freshwater Management Units



3.11.1 Values and uses for the Waikato and Waipā Rivers/Ngā Uara me ngā Whakamahinga o ngā Awa o Waikato me Waipā

Page number	Provision	Text now reads
21	Te Mana o te Wai: Mana Atua, Mana Tangata	[Replaced Values Diagram with amended version. See diagram above]
22	Hononga ki te wai, hononga ki te whenua - Identity and sense of place through the interconnections of land with water	[Amended as follows:] <ul style="list-style-type: none"> • ... • ... • For River Iwi and other iwi, respect for the rivers, wetlands and springs lies at the heart of the spiritual and physical wellbeing of iwi and their tribal identity and culture. The river, wetlands and springs are not separate from the people but part of the people, “Ko au te awa, ko te awa ko au” (I am the river and the river is me).

		<ul style="list-style-type: none"> • Whanaungatanga is at the heart of iwi relationships with rivers, wetlands and springs. Te taura tāngata is the cord of kinship that binds iwi to rivers, wetlands and springs. It is a braid that is tightly woven, tying in all its strands. It is unbroken and infinite, forming the base for kaitiakitanga and the intergenerational role that iwi have as kaitiaki. • ... 		
22	3.11.1.1 Mana Atua - Intrinsic values	<p>[Amended as follows:]</p> <p>Intrinsic values - Ancestry and History</p> <p>Ko te whakapapa o ngā iwi ki ōna awa tūpunaKo ngā hononga tūpuna me ngā hononga o mua i waenga i ngā iwi o te awa me ētehi atu iwi me ngā awa. ngā repo me ngā puna / Ancestral and Historical relationshipsconnections between the rivers, wetlands, springs and River Iwi and other iwi</p> <p>Ko ngā kōrero tūpuna me ngā Kōrero o Muaō neherā / Ancestry and History</p> <table border="1"> <tr> <td> <p>Each River Iwi and other iwi have their own unique and intergenerational relationship with the rivers, wetlands and springs.</p> </td> <td> <ul style="list-style-type: none"> • The rivers, wetlands and springs have always been seen as taonga (treasures) to all River Iwi and other iwi. • The rivers, wetlands and springs have always given River Iwi and other iwi a strong sense of identity and connection with the land and water. • Rivers, wetlands and springs were used holistically; River Iwi and other iwi understood the functional relationships with and between all parts of the rivers, wetlands and springs, spiritually and physically as kaitiaki. • Tribal taniwha and tupua dwell in the rivers which are also the location of continued spiritual and cultural traditions and practices maintained over the many centuries. • Iwi tupuna inhabited a rohe that teemed with life in the rivers, wetlands and springs. These resources were subject to access and use rights as an essential part of kaitiakitanga. • Iwi strive to maintain and restore these relationships despite the modification and destruction that has occurred through different types of development alongaffecting the rivers, wetlands and springs. </td> </tr> </table>	<p>Each River Iwi and other iwi have their own unique and intergenerational relationship with the rivers, wetlands and springs.</p>	<ul style="list-style-type: none"> • The rivers, wetlands and springs have always been seen as taonga (treasures) to all River Iwi and other iwi. • The rivers, wetlands and springs have always given River Iwi and other iwi a strong sense of identity and connection with the land and water. • Rivers, wetlands and springs were used holistically; River Iwi and other iwi understood the functional relationships with and between all parts of the rivers, wetlands and springs, spiritually and physically as kaitiaki. • Tribal taniwha and tupua dwell in the rivers which are also the location of continued spiritual and cultural traditions and practices maintained over the many centuries. • Iwi tupuna inhabited a rohe that teemed with life in the rivers, wetlands and springs. These resources were subject to access and use rights as an essential part of kaitiakitanga. • Iwi strive to maintain and restore these relationships despite the modification and destruction that has occurred through different types of development alongaffecting the rivers, wetlands and springs.
<p>Each River Iwi and other iwi have their own unique and intergenerational relationship with the rivers, wetlands and springs.</p>	<ul style="list-style-type: none"> • The rivers, wetlands and springs have always been seen as taonga (treasures) to all River Iwi and other iwi. • The rivers, wetlands and springs have always given River Iwi and other iwi a strong sense of identity and connection with the land and water. • Rivers, wetlands and springs were used holistically; River Iwi and other iwi understood the functional relationships with and between all parts of the rivers, wetlands and springs, spiritually and physically as kaitiaki. • Tribal taniwha and tupua dwell in the rivers which are also the location of continued spiritual and cultural traditions and practices maintained over the many centuries. • Iwi tupuna inhabited a rohe that teemed with life in the rivers, wetlands and springs. These resources were subject to access and use rights as an essential part of kaitiakitanga. • Iwi strive to maintain and restore these relationships despite the modification and destruction that has occurred through different types of development alongaffecting the rivers, wetlands and springs. 			
23	3.11.1.2 Mana Tangata - Use values	<p>[Amended as follows:]</p> <p>Use values - Wai Tapu</p> <p>Ko ngā wai tapu me ngā wai kino/ Sacred and harmful waters</p> <p>Wai tapu and wai kino</p> <table border="1"> <tr> <td> <p>Area of water body set aside for spiritual activities that support spiritual, cultural and physical wellbeing, or have properties that require additional caution or care.</p> </td> <td> <ul style="list-style-type: none"> • The rivers are a place for sacred rituals, wairua, healing, spiritual nurturing and cleansing. • The rivers provide for cultural and heritage practices and cultural wellbeing, particularly at significant sites. • The rivers have different states of wai tapu and wai kino that are adhered to and respected. </td> </tr> </table>	<p>Area of water body set aside for spiritual activities that support spiritual, cultural and physical wellbeing, or have properties that require additional caution or care.</p>	<ul style="list-style-type: none"> • The rivers are a place for sacred rituals, wairua, healing, spiritual nurturing and cleansing. • The rivers provide for cultural and heritage practices and cultural wellbeing, particularly at significant sites. • The rivers have different states of wai tapu and wai kino that are adhered to and respected.
<p>Area of water body set aside for spiritual activities that support spiritual, cultural and physical wellbeing, or have properties that require additional caution or care.</p>	<ul style="list-style-type: none"> • The rivers are a place for sacred rituals, wairua, healing, spiritual nurturing and cleansing. • The rivers provide for cultural and heritage practices and cultural wellbeing, particularly at significant sites. • The rivers have different states of wai tapu and wai kino that are adhered to and respected. 			

3.11.2 Objectives/Ngā Whāinga

Page number	Provision	Text now reads
28	Objective 6	[Reinserted in its entirety:] Objective 6: Whangamarino Wetland/Te Whāinga 6: Ngā Repo o Whangamarino a. Nitrogen, phosphorus, sediment and microbial pathogen loads in the catchment of Whangamarino Wetland are reduced in the short term, to make progress towards the long term restoration of Whangamarino Wetland; and b. The management of contaminant loads entering Whangamarino Wetland is consistent with the achievement of the water quality attribute^targets^ in Table 3.11-1.
28	Reasons for adopting Objective 1	[Amended as follows:] Objective 1 sets long term limits^... effectiveness of the objective is assessed. Objective 1 sets the overall context for what is to be achieved in terms of water quality improvements. There is not any hierarchy of Objectives 1 to 6.
29	Reasons for adopting Objective 4	[Amended as follows:] Objective 4 provides for a staged approach... 80-year journey, the first stage (the short term 10-year period) must ensure that overall costs to people can be sustained. ...
29	Reasons for adopting Objective 6	[Reinserted in its entirety:] Reasons for adopting Objective 6 Objective 6 seeks to recognise the significant value of Whangamarino Wetland, a Ramsar site of international importance, and the complexity of this wetland system. It seeks to recognise that the bog ecosystems (which are particularly sensitive to discharges of contaminants) need protection over time. The effort required to restore Whangamarino Wetland over 80 years is considerable and as a minimum needs to halt and begin to reverse the decline in water quality in the first 10 years. This objective describes how wetland restoration needs to be supported by restoration of the Lower Waikato Freshwater Management Unit sub-catchments that flow into Whangamarino Wetland.

3.11.3 Policies/Ngā Kaupapa Here

Page number	Provision	Text now reads
31	Policy 5: Staged approach/Te Kaupapa Here 5: He huarahi wāwāhi	[Amended as follows:] Recognise that achieving the water quality attribute^ targets^ set out in Table 11-1 will need to be staged over 80 years, to minimise social disruption and allow forenable innovation and new practices to develop, while making a start on reducing discharges of nitrogen, phosphorus, sediment and microbial pathogens , and preparing for further reductions that will be required in subsequent regional plans.

32	Policy 8: Prioritised implementation/Te Kaupapa Here 8: Te raupapa o te whakatinanatanga	<p>[Reinserted as follows:]</p> <p>Policy 8: Prioritised implementation/Te Kaupapa Here 8: Te raupapa o te whakatinanatanga</p> <p>Prioritise the management of land and water resources by implementing Policies 2, 3 and 9, and in accordance with the prioritisation of areas set out in Table 3.11-2. Priority areas include:</p> <p>a. Sub-catchments where there is a greater gap between the water quality targets[^] in Objective 1 (Table 3.11-1) and current water quality; and</p> <p>b. Lakes Freshwater Management Units[^]; and</p> <p><u>c. Whangamarino Wetland.</u></p> <p>In addition to the priority sub-catchments listed in Table 3.11-2, the 75th percentile nitrogen leaching value dischargers will also be prioritised for Farm Environment Plans.</p>
34	Policy 15: Whangamarino Wetland/Te Kaupapa Here 15: Ngā Repo o Whangamarino	<p>[Reinserted in its entirety:]</p> <p><u>Policy 15: Whangamarino Wetland/Te Kaupapa Here 15: Ngā Repo o Whangamarino</u></p> <p><u>Protect and make progress towards restoration of Whangamarino Wetland by reducing the discharge of nitrogen, phosphorus, sediment and microbial pathogens in the sub-catchments that flow into the wetland to:</u></p> <p><u>a. Reduce and minimise further loss of the bog ecosystem; and</u></p> <p><u>b. Provide increasing availability of mahinga kai; and</u></p> <p><u>c. Support implementation of any catchment plan prepared in future by Waikato Regional Council that covers Whangamarino Wetland.</u></p>

3.11.4 Implementation methods/Ngā tikanga whakatinana

Page number	Provision	Text now reads
36	3.11.4.1 Working with others/Te mahi tahi me ētehi atu	<p>[Amended as follows:]</p> <p>Waikato Regional Council will work with stakeholders including Waikato River iwi partners, and other iwi, ...</p>
36	3.11.4.4 Lakes and Whangamarino Wetland/Ngā Roto me ngā Repo o Whangamarino	<p>[Reinserted as follows:]</p> <p>3.11.4.4 Lakes <u>and Whangamarino Wetland</u>/Ngā Roto <u>me ngā Repo o Whangamarino</u></p> <p>Waikato Regional Council, working with others, will:</p> <p>a. Build on the Shallow Lakes Management Plan by developing Lake Catchment Plans and investigate lake-specific options to improve water quality and ecosystem health, and manage pest species. In many instances, this may require an adaptive management approach.</p> <p>b. Prepare and implement Lake Catchment Plans with community involvement which include:</p> <p>i. A vision for the lake developed in consultation with the community.</p>

		<p>ii. Description of the desired state of lake and recognition of the challenges (e.g. costs) and opportunities (e.g. benefits) in achieving it.</p> <p>iii. An evidence-based description of the problem (i.e. what is the gap between the current state and desired state) that recognises the presence of multiple stressors and uncertainty in responses and time frames.</p> <p>iv. Community engagement in defining actions that will move the lake towards its desired state.</p> <p>v. Responsibility for achieving the agreed actions and expected timeframes, developed in consultation with those who will be undertaking the work.</p> <p>vi. A monitoring regime that will provide evidence of the implementation of the defined actions and any changes in the state of the lake.</p> <p><u>c. As a priority, undertake the development and implementation of the Lake Waikare and Whangamarino Wetland Catchment Management Plan using the process set out in b).</u></p> <p>d. Work towards managing the presence of pest weeds and fish in the shallow lakes and connected lowland rivers area, <u>including Whangamarino Wetland.</u></p> <p>e. Support research and testing of restoration tools and options to maintain and enhance the health of shallow lakes <u>and Whangamarino Wetland</u> (e.g. lake modelling, lake bed sediment treatments, constructed wetlands, floating wetlands, silt traps, pest fish management, and farm system management tools).</p> <p>f. Support lake <u>and Whangamarino Wetland</u> restoration programmes including, but not limited to, advice, funding, and project management. Restoration programmes may have a wider scope than water quality, including hydrological restoration, revegetation and biodiversity restoration.</p> <p>g. Develop a set of 10-year water quality attribute^ targets^ for each lake Freshwater Management Unit^.</p>
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3.11.5 Rules/Ngā Ture

Page number	Provision	Text now reads
40	3.11.5.2(5) Permitted Activity Rule - Other farming activities	<p>[Amended as follows:]</p> <p>5. For all properties greater than 4.1 hectares, from <u>31 March 2019_30 November 2020</u>, in addition to the requirements of Schedule A...</p>
41	3.11.5.3(5) Permitted Activity Rule - Farming activities with a Farm Environment Plan under a Certified Industry Scheme	<p>[Amended as follows:]</p> <p>5. ...</p> <p>a. By <u>1 July 2020_1 March 2022</u> for properties or enterprises within Priority 1 sub-catchments...</p> <p>b. By <u>1 July 2023_1 March 2025</u> for properties or enterprises within Priority 2 sub-catchments...</p>
42	3.11.5.4(1) Controlled Activity Rule - Farming activities with a Farm	<p>[Amended as follows:]</p> <p>1. <u>1 January 2020_1 September 2021</u> for properties or enterprises in Priority 1 sub-catchments...</p>

	Environment Plan not under a Certified Industry Scheme	
42	3.11.5.4(2) Controlled Activity Rule - Farming activities with a Farm Environment Plan not under a Certified Industry Scheme	<p>[Amended as follows:]</p> <p>2. 1 January 2023 1 September 2024 for properties or enterprises in Priority 2 sub-catchments...</p>
43	3.11.5.4(Dates) Controlled Activity Rule - Farming activities with a Farm Environment Plan not under a Certified Industry Scheme	<p>[Amended as follows:]</p> <p>Dates:</p> <p>I. For Priority 1 sub-catchments, and properties with a Nitrogen Reference Point of greater than 75th percentile nitrogen leaching value, by 1 July 2020 1 March 2022</p> <p>II. For Priority 2 sub-catchments, by 1 July 2023 1 March 2025...</p>
44	3.11.5.5 Controlled Activity Rule - Existing commercial vegetable production	<p>[Amended as follows:]</p> <p>The use of land for commercial vegetable production and the associated diffuse discharge of nitrogen, phosphorus, sediment and microbial pathogens onto or into land in circumstances which may result in those contaminants entering water, is a permitted activity until 1 January 2020 1 September 2021, from which date it shall be a controlled activity (requiring resource consent) subject to the following standards and terms...</p> <p>...</p> <p>Advisory note: Under section 20A(2) of the RMA a consent must be applied for within 6 months of 1 January 2020 1 September 2021, namely by 1 July 2020 1 March 2022.</p>

Schedule A - Registration with Waikato Regional Council/Te Āpitianga A - Te rēhita me te Kaunihera a-Rohe o Waikato

Page number	Provision	Text now reads
46	Schedule A(1) - Registration with Waikato Regional Council/Te Āpitianga A - Te rēhita me te Kaunihera ā-Rohe o Waikato	<p>[Amended as follows:]</p> <p>1. Registration must occur between 1 September 2018 1 May 2020 and 31 March 2019 30 November 2020. ...</p>

Schedule B - Nitrogen Reference Point/Te Āpitianga B - Te tohu ā-hauota

Page number	Provision	Text now reads
47	Schedule B(e) - Nitrogen Reference Point/Te Āpitianga B - Te tohu ā-hauota	<p>[Amended as follows:]</p>

		e. The Nitrogen Reference Point and the Nitrogen Reference Point data must be provided to Waikato Regional Council within the period 1 September 2018 <u>1 May 2020</u> to 31 March 2019 <u>30 November 2020</u>
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3.11.6 List of Tables and Maps/Te Rāangi o ngā Ripanga me ngā Mahere

Page number	Provision	Text now reads
56	Table 3.11-1	[Reinserted and removed text in Table 3.11-1. See table that follows.]
68	Table 3.11-2	[Reinserted and removed text in Table 3.11-2. See table that follows.]
71	Map 3.11-2	[Replaced Map 3.11-2 with amended version. See map that follows.]

Table 3-11-1: Short term and long term numerical water quality targets for the Waikato and Waipa River catchments/Ngā whāinga ā-tau taupoto, tauroa hoki mō te kouniga wai i te riu o ngā awa o Waikato me Waipā

...

Lower Waikato River Freshwater Management Unit

Site	Attributes																			
	Annual Median Chlorophyll a (mg/m ³)		Annual Maximum Chlorophyll a (mg/m ³)		Annual Median Total Nitrogen (mg/m ³)		Annual Median Total Phosphorus (mg/m ³)		Annual Nitrate NO ₃ -N/L		Annual 95 th Percentile Nitrate (mg NO ₃ -N/L)		Annual Median Ammonia (mg NH ₄ -N/L)		Annual Maximum Ammonia (mg NH ₄ -N/L)		95 th percentile E. coli (E. coli/100mL)		Clarity (m)	
	short term	80 year	short term	80 year	short term	80 year	short term	80 year	short term	80 year	short term	80 year	short term	80 year	short term	80 year	short term	80 year	short term	80 year
Waikato River Huntly-Tainui Br	5-9	5	19	19	562	350	43	20	0.365	0.365	0.900	0.900	0.005	0.005	0.015	0.015	1944	540	0.9	1.0
Waikato River Mercer Br*	10.0	5	30	25	631	350	49	20	0.365	0.365	0.870	0.870	0.003	0.003	0.010	0.010	1494	540		
Waikato River Tuakau Br*	11.3	5	37	25	571	350	50	20	0.325	0.325	0.880	0.880	0.003	0.003	0.008	0.008	1584	540	0.7	1.0
Komakorau Stm Henry Rd									1.279	1.0	4.400	3.5	0.250	0.24	0.419	0.40	3474	540	0.3	1.0

Site	Attributes												
	Annual Median Chlorophyll a (mg/m ³)	Annual Maximum Chlorophyll a (mg/m ³)	Annual Median Total Nitrogen (mg/m ³)	Annual Median Total Phosphorus (mg/m ³)	Annual Nitrate NO ₃ -N/L	Annual Median Nitrate NO ₃ -N/L	Annual 95 th percentile Nitrate (mg NO ₃ -N/L)	Annual Median Ammonia (mg NH ₄ -N/L)	Annual Maximum Ammonia (mg NH ₄ -N/L)	95 th percentile E. coli (E. coli/100mL)	Clarity (m)		
Mangawara Stm Rutherford Rd Br					0.765	0.765	2.760	1.5	0.103	0.172	4955	0.3	1.0
Awaroa Stm (Rotowaro) Sansons Br @ Rotowaro-Huntly Rd					0.700	0.700	1.190	1.190	0.021	0.089	1800	0.8	1.0
Matahuru Stm Waiterimu Road Below Confluence*					0.715	0.715	1.689	1.5	0.016	0.059	6147	0.4	1.0
Whangape Stm Rangiriri-Glen Murray Rd					0.004	0.004	0.690	0.690	0.006	0.134	584	0.3	1.0
<u>Waerenga Stm SH2 Maramatua</u>	-	-	-	-	<u>0.820</u>	<u>0.820</u>	<u>1.410</u>	<u>1.410</u>	<u>0.005</u>	<u>0.022</u>	<u>5098</u>	<u>0.9</u>	<u>1.0</u>
<u>Whangamatano River/Jefferies Rd Br</u>	-	-	-	-	<u>0.625</u>	<u>0.625</u>	<u>1.842</u>	<u>1.5</u>	<u>0.012</u>	<u>0.147</u>	<u>4712</u>	<u>0.6</u>	<u>1.0</u>
<u>Mangatangi River SH2 Maramatua</u>	-	-	-	-	<u>0.110</u>	<u>0.110</u>	<u>1.120</u>	<u>1.120</u>	<u>0.005</u>	<u>0.038</u>	<u>5567</u>	<u>0.5</u>	<u>1.0</u>
<u>Mangatawhiri River Lyons Rd Buckingham Br</u>	-	-	-	-	<u>0.013</u>	<u>0.013</u>	<u>0.370</u>	<u>0.370</u>	<u>0.003</u>	<u>0.011</u>	<u>5108</u>	<u>1.6</u>	<u>1.6</u>

Site	Attributes										
	Annual Median Chlorophyll a (mg/m ³)	Annual Maximum Chlorophyll a (mg/m ³)	Annual Median Total Nitrogen (mg/m ³)	Annual Median Total Phosphorus (mg/m ³)	Annual Median Nitrate NO ₃ -N/L	Annual 95 th percentile Nitrate (mg NO ₃ -N/L)	Annual Median Ammonia (mg NH ₄ -N/L)	Annual Maximum Ammonia (mg NH ₄ -N/L)	95 th percentile E. coli (E. coli/100mL)	Clarity (m)	Clarity (m)
Whangamarino River Island Block Rd*					0.075	0.700	0.011	0.054	655	0.3	1.0
Whakapipi Stm											
SH22 Br	-	-	-	-	3.390	5.120	0.006	0.081	1773	1.1	1.1
Ohaeroa Stm											
SH22 Br*					1.473	1.806	0.003	0.015	4667	0.8	1.0
Opuatia Stm Ponganui Rd					0.740	1.060	0.005	0.016	2898	0.6	1.0
Awaroa River (Waiuku) Otaua Rd Br Moseley Rd					1.369	2.310	0.021	0.135	1017	0.4	1.0

*part sub-catchment where monitoring site falls outside the geographic area of Chapter 3.11

Table 3.11-2: List of sub-catchments showing Priority 1, Priority 2, and Priority 3 sub-catchments/Te rārangi o ngā riu kōawaawa e whakaatu ana i te riu kōawaawa i te Taumata 1, i te Taumata 2, me te Taumata 3

If more than fifty percent of a farm enterprise is in a particular sub-catchment, then the dates for compliance for that sub-catchment apply.

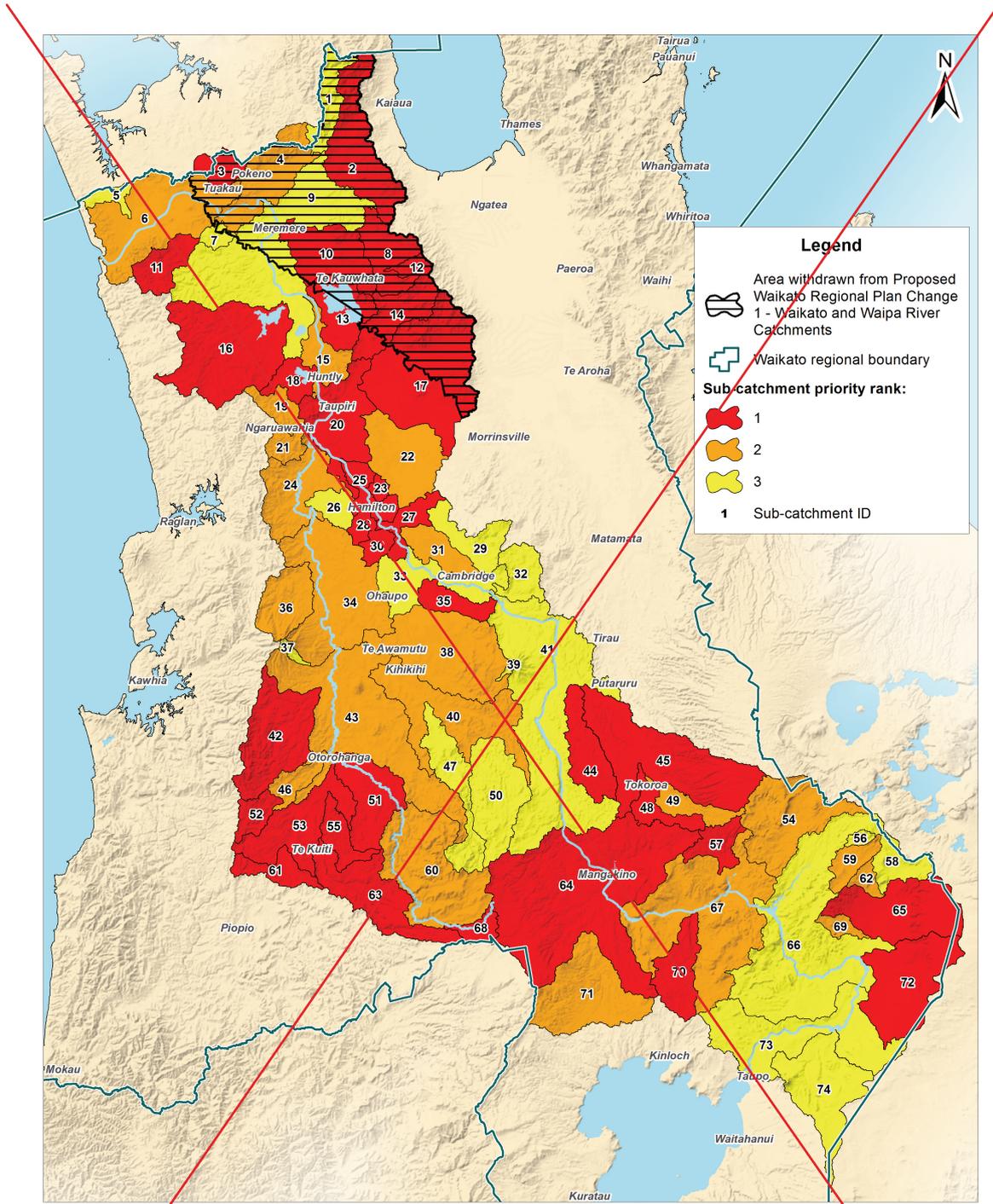
Sub-catchment identifier	Sub-catchment number	Priority
Mangatangi	2	1
Whakapipi	3	1
Whangamarino at Jefferies Rd Br	8	1
Whangamarino at Island Block Rd*	10	1
Opuatia	11	1
Waerenga	12	1
Waikare*	13	1
Matahuru*	14	1
Whangape	16	1
Mangawara*	17	1
Awaroa (Rotowaro) at Harris/Te Ohaki Br	18	1
Waikato at Huntly-Tainui Br	20	1
Kirikiroa	23	1
Waikato at Horotiu Br	25	1
Waikato at Bridge St Br	27	1
Waitawhiriwhiri	28	1
Mangakotukutuku	30	1
Mangawhero	35	1
Moakurua	42	1
Little Waipā	44	1
Pokaiwhenua	45	1
Mangamingi	48	1
Waipā at Otorohanga	51	1
Waitomo at Tumutumu Rd	52	1
Mangapu	53	1
Mangarapa	55	1
Mangaharakeke	57	1
Mangarama	61	1

Mangaokewa	63	1
Waikato at Waipapa	64	1
Waiotapu at Homestead	65	1
Waipā at Mangaokewa Rd	68	1
Waipapa	70	1
Torepatutahi	72	1
Waikato at Tuakau Br*	4	2
Waikato at Port Waikato*	6	2
Waikato at Rangiriri	15	2
Awaroa (Rotowaro) at Sansons Br	19	2
Firewood	21	2
Komakorau	22	2
Waipā at Waingaro Rd Br	24	2
Mangaone	31	2
Waipā at SH23 Br Whatawhata	34	2
Kaniwhaniwha	36	2
Mangapiko	38	2
Puniu at Bartons Corner Rd Br	40	2
Waipā at Pirongia-Ngutunui Rd Br	43	2
Waitomo at SH31 Otorohanga	46	2
Whakauru	49	2
Tahunaatara	54	2
Otamakokore	59	2
Waipā at Otewa	60	2
Kawaunui	62	2
Waikato at Whakamaru	67	2
Mangakara	69	2
Mangakino	71	2
Mangatawhiri	1	3
Awaroa (Waiuku)	5	3
Ohaeroa*	7	3
Waikato at Mercer Br*	9	3

Ohote	26	3
Mangaonua	29	3
Karapiro	32	3
Waikato at Narrows	33	3
Mangauika	37	3
Mangaohoi	39	3
Waikato at Karapiro	41	3
Mangatutu	47	3
Puniu at Wharepapa	50	3
Whirinaki	56	3
Waiotapu at Campbell	58	3
Waikato at Ohakuri	66	3
Waikato at Ohaaki	73	3
Pueto	74	3

Table 3.11-2: List of sub-catchments showing Priority 1, Priority 2, and Priority 3 sub-catchments

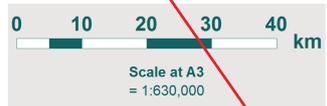
*part sub-catchment



Acknowledgements and Disclaimers

1. © Waikato Regional Council 2013-2016. Healthy Rivers: Plan for Change / Wai Ora: He Rautaki Whakapaipai Data.
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Sub-catchments: Dated 3 December 2016

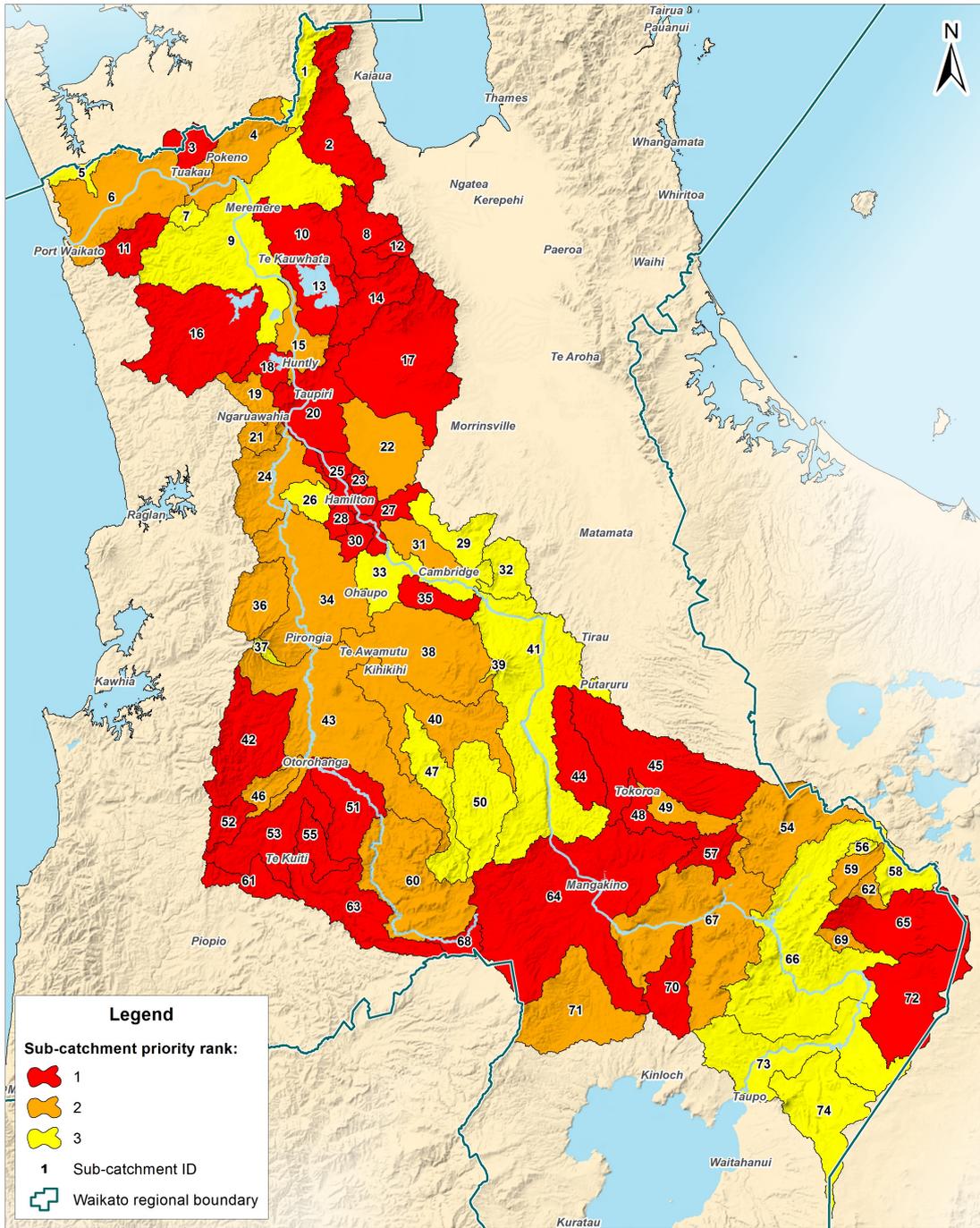


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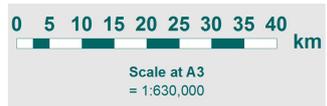
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Map 3.11-2: Map of the Waikato and Waipā River catchments, showing sub-catchments



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Sub-catchments



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Map 3.11-2: Map of the Waikato and Waipa River catchments, showing sub-catchments

Additions to Glossary of Terms/Ngā Āpiti hanga ki te Rārangī Kupu

Page number	Provision	Text now reads
79	Definition - 75th percentile nitrogen leaching value	[Amended as follows:] 75th percentile nitrogen leaching value: The 75th percentile value (units of kg N/ha/year) ... and which are received by the Waikato Regional Council by 31 March 2019 30 November 2020 .
85	Definition - Sub-catchment	[Reinserted as follows:] Sub-catchment: For the purposes of...contributing are draining to one of 7469 locations...
85	Definition - Tangata whenua ancestral lands	[Amended as follows:] Tangata whenua ancestral lands: means land that has been returned through settlement processes between the Crown and tangata whenua of the catchment, or is, as at the date of notification (22 October 2016), Māori freehold land under the jurisdiction of Te Ture Whenua Maori Act 1993.

Consequential amendments to Waikato Regional Plan/Ngā whakatikahanga ka hua ake mō roto i te Mahere ā-Rohe a Waikato

Page number	Provision	Text now reads
94	Consequential amendments 3.7 Wetlands	[Reinserted table. See table that follows.]

3.7 Wetlands	
<u>Objective 3.7.2</u>	<u>Amend the wording:</u> <u>Refer to Objectives 3.1.2 and 3.11.2 Objective 6.</u>
<u>Policies 3.7.3</u> <u>Explanation and Principal Reasons</u>	<u>Add a sentence at end of Explanation and Principal Reasons:</u> <u>For Whangamarino Wetland refer also to Section 3.11.2 Objective 6 and Section 3.11.3 Policy 15.</u>
<u>Rule 3.7.4.6</u> <u>Advisory note</u> <u>Discretionary Activity Rule - Creation of New Drains and Deepening of Drain Invert Levels</u>	<u>Amend advisory note first bullet:</u> <u>...Policy 1 of Section 3.7.3 and for Whangamarino Wetland, Section 3.11.2 Objective 6 and Section 3.11.3 Policy 15.</u>
<u>Rule 3.7.4.7 Discretionary Activity Rule - Drainage of Wetlands</u>	<u>Amend advisory note first bullet:</u> <u>...Policy 1 of Section 3.7.3 and for Whangamarino Wetland, Section 3.11.2 Objective 6 and Section 3.11.3 Policy 15.</u>

Explanation and Principal Reasons for Adopting
Methods 3.7.4.1 to 3.7.4.7

Amend first para:

...to achieve Objectives 3.1.2 and 3.11.2 Objective 6.....Other methods in
Chapters 3.4, 3.5, 3.6, 3.11.....

HE TAIAO MAURIORA

HEALTHY ENVIRONMENT

HE ŌHANGA PAKARI

STRONG ECONOMY

HE HAPORI HIHIRI

VIBRANT COMMUNITIES

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