

Makirikiri Stream

Summary of Values

For Proposed Plan Change 7: Hawke's Bay Regional
Resource Management Plan

(Outstanding Water Bodies Plan Change)





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**For Proposed Plan Change 7: Hawke's Bay Regional Resource Management Plan
(Outstanding Water Bodies Plan Change)**

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Purpose of Report

1. This report is a compilation of information previously documented on the values associated with the Makirikiri Stream during preparation of Proposed Plan Change 7 prior to its notification on 31 August 2019. It is one of a series of similar reports compiled for each of the respective proposed outstanding water bodies (OWB) identified in Plan Change 7.
2. The approach used by Hawke's Bay Regional Council to identify OWB in Hawke's Bay followed a process that began with a high level review documenting the values associated with 130 water bodies across the region. A short explanation is provided at the beginning of each section which discusses the relevant phase and whether the Makirikiri Stream was considered during that part of the process.
3. Not all OWB identified in Proposed Plan Change 7 were considered during each phase of the process. For clarity, an index table (Table 1) has been included in this report which sets out the relevant phases, report names, values and page numbers for the Makirikiri Stream.
4. No new research or further information was commissioned for the purposes of compiling this report.
5. For further information on the Outstanding Water Body Identification Methodology and each of these phases, see the Plan Change 7 Section 32 Evaluation Report¹.
6. **Table 1: Makirikiri Stream index**

Phase	Included (yes/no)	Report name /date	Page numbers in associated report
High Level Review (Phase 1 & Phase 2)	No	Summary of Cultural Values Associated with Water Bodies in Hawke's Bay (March 2018) Summary of the Recreation, Landscape and Ecology Values Associated with Water Bodies in Hawke's Bay (March 2018)	N/A
Secondary Assessments (Phase 3)	Yes	Secondary assessment - Makirikiri Stream	All of report
Local Expert Panel (Phase 4)	Yes	Outstanding Water Bodies in Hawke's Bay - Report of the Expert Panel (April 2019)	67
Final Evaluation (Phase 5)	Yes	Outstanding Water Bodies Plan Change - selecting a list of outstanding water bodies in Hawke's Bay (May 2019)	94, 105

Plan Change 7 Overview

7. Hawke's Bay Regional Council has prepared an amendment to the Hawke's Bay Regional Resource Management Plan (RRMP) to include a list of the region's outstanding water bodies, together with a framework which prescribes a high level of protection for these water bodies in future plan making. That change to the RRMP is referred to as 'Proposed Plan Change 7' or the 'Outstanding Water Bodies Plan Change.'
8. The water bodies identified in the Outstanding Water Bodies Plan Change have been proposed as the 'best of the best' within the region, featuring an exceptional cultural, spiritual, recreation, natural character, landscape, geology, or ecology value which is remarkable in Hawke's Bay.
9. Since commencing this OWB plan change project in early 2017, a significant amount of work has been undertaken to build a clearer picture of water bodies within the region and their potential for being classed as outstanding.
10. The Outstanding Water Bodies Plan Change amends the RPS to reflect NPSFM provisions which require the protection of the significant values of outstanding water bodies. This special protection does not lessen the importance of, or value associated with other water bodies, which are managed through other parts of the Regional Resource Management Plan or Council work programme.
11. Further information about the background and purpose of proposed Plan Change 7 is online at www.hbrc.govt.nz (search #owb).

¹ <https://www.hbrc.govt.nz/assets/Document-Library/Outstanding-Water-Bodies/1.-Other-supporting-information/Section-32-Evaluation-Report.pdf>

Phase One & Phase Two: High Level Review & Summary of Values

12. In June 2017, the Council embarked on a high level review documenting the cultural, spiritual, recreation, landscape, geological, natural character and ecology values associated with 130 water bodies across the region.
13. Phase 1 involved a thorough review of over ninety documents being completed. Those documents included Deeds of Treaty Settlements, statutory acknowledgements for Treaty settlements, customary uses reports, Waitangi Tribunal reports, and other documents produced in a national and regional context between 1979 and 2018.
14. This work built a clear picture of values associated with a wide range of water bodies across the region and their potential for being classified as outstanding, prior to short listing. This work culminated in a literature review with the following two tables summarising key values associated with 130 of the region's water bodies:
 - Table C1: Cultural Values Table – Summary of Cultural Values Associated with Water Bodies in Hawke's Bay.
 - Table R2: Recreation, landscape, Ecology Values Table – Summary of the Recreation, Landscape and Ecology Values Associated with Water Bodies in Hawke's Bay
15. Table C1 included all water bodies identified by name in reviewed documents, with a high level summary of the associated 'cultural and spiritual values'. This work was sent out to all Treaty settlement entities in Hawke's Bay in December 2017 for input prior to completion.
16. Table R2 included all water bodies identified by name in reviewed documents, with a high level summary of the associated recreation, landscape, geology and ecology values, and ratings assigned in this document.
17. No information regarding the Makirikiri Stream was found during the high level review. As such, the Makirikiri Stream does not feature in Tables C1 or R2.

Phase Three: Refine List & Secondary Assessments

18. In 2018, the high level review findings for 130 water bodies, and their associated values, were reported to the Council's Regional Planning Committee. The RPC selected a list of 22 candidate OWB to proceed forward a more detailed secondary assessment to see if any contained values that were clearly superior to other water bodies in Hawke's Bay.
19. The secondary assessment for the Makirikiri Stream is contained in Attachment 1.

Phase Four: Engagement & Local Expert Panel Process

20. Phase 4 involved wider input from the public, iwi authorities, key stakeholders and territorial local authorities. Feedback from this process featured requests for an additional 20 water bodies to be identified as OWB.
21. In December 2018, Council staff contracted a local expert panel to evaluate, categorise and identify outstanding characteristics, for all value sets, from the list of 22 candidate OWB and the additional 20 water bodies put forward during engagement.
22. The local expert panel was appointed via nominations by key stakeholders, iwi authorities and city and district councils, and comprised six members² with good knowledge of the Hawke's Bay region.
23. The recommendations made by the panel were based on existing information, their local knowledge, and a set of assessment criteria they developed at their first meeting. The assessment criteria used by the panel to identify outstanding features is set out at the beginning of each subsection for each value set.
24. The expert panel recommended iwi be engaged to provide a cultural assessment of the Makirikiri Stream to better understand the associated cultural and spiritual values.

² Morry Black (Mauri Protection Agency), Matt Brady (DOC), John Cheyne (Te Taiao Environment), Andrew Curtis (Water Strategies Limited), Bernie Kelly (kayaking rep), Tom Winlove (Fish & Game Hawke's Bay)

Phase Five: Final Evaluation

25. Phase Five saw a final evaluation carried out to assist the Council's Regional Planning Committee to select a list of outstanding water bodies in Hawke's Bay, for inclusion in Proposed Plan Change 7.
26. This work summarised the key values of 42 water bodies nominated during Phases 3 and 4, and informed by
 - The secondary assessments
 - local expert panel findings
 - the values summary reports, and
 - stakeholder engagement.
27. The summary was presented by value-type, based on the work to date and in a format consistent with the direction given by Council.
28. Appendix 2 sets out the relevant extracts from the final evaluation Makirikiri Stream.

Appendix 1: Secondary Assessment - Makirikiri Stream



Outstanding Water Bodies Plan Change

Candidate List of Outstanding Water Bodies in Hawke's Bay – Secondary Assessments for:

Heretaunga Aquifer, Karamu Stream, Lake Whakakī, Lake Whatumā, Lake Waikaremoana, Lake Tūtira (including Aropaoanui River + Papakiri Stream), Lake Waikareiti, Lower Ngaruroro River (below Whanawhana), Mangahauanga Stream, Makirikiri River, Porangahau River, Ruakituri River, Ruataniwha Aquifer, Taruarau River, Te Whanganui a Orotū (Ahuriri Estuary), Tukituki River, Tutaekuri River, Upper Mohaka River, Upper Ngaruroro River (above Whanawhana), Waipawa River, Waipunga River, Wairoa River.

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Outstanding Water Bodies Plan Change

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Makirikiri Stream



Key Cultural Values

Mahinga kai

Table 1: List of documents reviewed

Year	Name	Author
2012	River Values Assessment System (RiVAS)	Lindis Consulting
2012	Tukituki River Catchment Cultural Values and Uses	Te Taiwhenua O Tamatea & Te Taiwhenua O Heretaunga for HBRC
2016	Heretaunga Tamatea Deed of Settlement	Heretaunga Tamatea and the Crown
2018	Makirikiri Stream Restoration Begins Near Takapau	Hawke's Bay Regional Council
2018	Cultural Values Table	Hawke's Bay Regional Council

Discussion

*Purpose of report **

1. The purpose of this report is to assist the RPC members to determine whether any of the cultural values associated with the Makirikiri Stream are outstanding for the purposes of the National Policy Statement for Freshwater Management (NPSFM).
2. This report presents the summarised findings of the cultural values attributed to the Makirikiri Stream in those documents referred to in Table 1, above. For clarification, the Makirikiri Stream has been identified as potentially outstanding for the cultural value set only. In accordance with decisions made by the RPC in May 2018, this report does not discuss the recreation, landscape and ecology values associated with the Makirikiri Stream.
3. The report summarises the values into a series of categories. It is recognised that isolating the values into categories can be problematic from a Māori worldview and many of the values are part of a narrative that doesn't fit neatly into categories. However, the intention is not to take a reductionist or isolated approach to cultural values but to try and gain an appreciation of their significance and the level of detail available to progress a plan change. In preparing the reports, it became obvious that all waterways are part of a wider cultural landscape that weaves people and the environment into a rich history of cultural and spiritual association.
4. Ultimately, the Regional Planning Committee will need to decide what the appropriate threshold is for outstanding cultural values. Any objectives, policies or rules that are proposed to support outstanding waterbodies will be subject to scrutiny and potential challenges by those who may be affected by a plan change.

Overview

5. The Makirikiri Stream is culturally significant to the people of Te Rongo a Tahu Marae. Historically the Makirikiri Stream was a significant mahinga kai site, particularly notable for its tuna and koura.
6. The stream is in a degraded state. In more recent times, land adjoining the stream was used as the Takapau municipal rubbish site. The dump itself is now sealed and restoration efforts have taken place in an effort to improve the area.
7. In 2018, the Makirikiri Stream was identified as an environmental hotspot by Hawke's Bay Regional Council, and funding was allocated towards improving the area.

Location

8. The Makirikiri Stream is situated to the south of Takapau. It is a tributary of the Porangahau Stream, which runs into the Tukituki River.
9. The location of the Makirikiri Stream can be seen in Figures 1 and 2, below.



Figure 1: Location of Makirikiri Stream



Figure 2: Location of Makirikiri Stream

* The HBRC and authors of this report are aware there are numerous areas, including waterbodies, where two or more iwi groups have agreed, shared interests and/or contested overlapping claims within the Hawke's Bay region. The information presented in this report is not intended to imply any exclusive rights over particular waterbodies for one or more iwi groups, nor does it confirm the validity of the claims of any group(s) over that waterbody. The information is solely for the purpose of recording important cultural and spiritual values identified by iwi groups in the region as sourced from existing published documents.

Cultural values

Importance

10. The Makirikiri Stream is located within the rohe of Heretaunga Tamatea. It is particularly significant to the people of Te Rongo a Tahu Marae as a mahinga kai and recreational area.
11. The relationship between Tāngata whenua and freshwater is founded in whakapapa, which is the foundation for an inalienable relationship between Māori and freshwater that is recorded, celebrated and perpetuated across generations.

Mahinga kai

12. Historically, the Makirikiri Stream was a significant mahinga kai site for Te Rongo a Tahu Marae, particularly notable for its tuna and koura.

Makirikiri Stream Restoration Project

13. In 2017, the Hawke's Bay Regional Council allocated \$70,000 of funding within the Annual Plan to restore a section of the Makirikiri Stream (see Figures 3 and 4). During 2017, weed control was carried out at the site removing a number of mature willow trees and large amount of blackberry from in and around the stream.
14. The Makirikiri Stream restoration project is currently on hold and further consultation is occurring with landowners and the local marae to finalise a plan for the site. At this stage, the restoration project will see around 500 metres of the stream edge fenced with natives best suited to the dry conditions planted along the riparian margin. A path will be made on the southern side of the stream so that whanau and the local community can enjoy the area as it flourishes.
15. The Makirikiri Stream restoration project will be useful as a demonstration site for riparian management, showing local landowners how they might also improve water quality and ecosystem health. There is a high level of support for the project within the local community.
16. On 11 February 2018, the whanau of Te Rongo a Tahu Marae held a whakawaatea on the site with HBRC and CHBDC Councillors. Joanne Heperi of Te Rongo a Tahu Marae says:

"This is an exciting project for all of the Takapau community" ... "The willow removal has already opened up the stream which helps the passage of migratory fish such as eels. The riparian planting of native trees will help restore the ecosystem and mauri, bringing the biodiversity back into the waters, especially the tuna (eels), koura, and other taonga species. And it will help bring people back to the river"

17. The restoration site (after weed control works) can be seen Figures 3 and 4.



Figure 3: Aerial view of Makirikiri Stream restoration spot



Figure 4: Aerial view of Makirikiri Stream restoration spot

Archaeology

18. Figure 5 identifies the archaeological sites around Takapau.



Figure 5: Archaeological sites around Takapau

Statutory Acknowledgement Area of Interest

19. Figure 6 details the Heretaunga Tamatea Area of Interest



Figure 6: Heretaunga Tamatea Area of Interest

Resource Management Plans

20. The following tables list any relevant resource management plans developed by iwi/hapū, the regional council or territorial authorities. The tables include any specific provisions that apply near the Makirikiri Stream. They do not include all of the general policies or rules that may apply. Water quality and water quantity provisions have been included as it is recognised that these aspects can significantly impact on cultural values.

Iwi and Hapū Resource Management Plans

Kahungunu ki Uta, Kahungunu ki Tai: Marine & Freshwater Fisheries Strategic Plan
Mana Ake - An Expression of Kaitiakitanga, Te Taiwhenua o Heretaunga

Regional Resource Management Plan

Section 5.9 (Tukituki River Catchment) – various objectives, policies, limits and targets apply to water quantity and water quality
Catchments Sensitive to Animal Effluent Discharges (Schedule 6b)
Minimum Flow Rivers (Schedule 7)
Rivers Considered for Riparian Protection (Schedule 8)
Schedule 14c – Tukituki River Sub-catchments
Schedule 15 – Tukituki Plan Change 6 – Water Management Zones

Regional Coastal Environment Plan

Specific water quality standards apply to Tukituki River downstream of Tamumu bridge

- 100 Faecal Coliforms (cfu/100ml)
- 10 Suspended Solids (mg/l)

Schedule R - Stock Management Areas - Tukituki River mouth

Hastings District Plan

Appendix 50 - Waahi Tapu Sites

Central Hawke's Bay District Plan

Appendix C – Schedule of sites of cultural significance to tāngata whenua – contains archaeological sites
Appendix H – Schedule of identified community facilities includes several marae – for information purposes only (no rules).

Appendix 2: Final Evaluation - Makirikiri Stream

Note: Appendix 2 contains extracts only - for further information please refer to the full report.



Outstanding Water Bodies Plan Change Selecting a list of outstanding water bodies in Hawke's Bay

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Outstanding Water Bodies Plan Change

Selecting a list of outstanding water bodies in Hawke's Bay

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Cultural and Spiritual values

The Makirikiri Stream is culturally significant to the people of Te Rongo a Tahu Marae. It is a tributary of the Porangahau Stream, near Takapau, and within the Tukituki catchment. Historically, tuna (eels) and koura provided important sources of food.

Information reviewed indicates the water body contains the following key value:

- Mahinga kai.

The local expert panel found that the Makirikiri Stream needed further cultural assessment.

At the time of writing, iwi authorities had not provided any comment specific to the Makirikiri Stream.