

Section 32 Evaluation Report for the Proposed Otago Land and Water Regional Plan

Appendix 1: Freshwater-dependence Criteria

**This Section 32 Evaluation Report should be read together with the Proposed
Otago Land and Water Regional Plan**



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Contents

Abbreviations used in this report	3
Appendix 1 – Freshwater-dependence criteria	4

Abbreviations

NZTCS	New Zealand Threat Classification System
pLWRP	Proposed Otago Land and Water Regional Plan 2024

Appendix 1 – Freshwater-dependence criteria

Six criteria were used to assess the reliance on water bodies for species recorded in Otago. A total of 140 candidate species (Appendix 2) were identified by Thorsen (2022) as meeting one or more of the following criteria:

1. most individuals of the species are recorded as permanently inhabiting freshwater habitats;
or
2. most individuals of the species use freshwater habitats for part of their lifecycle, such as for feeding or reproductive purposes, and display adaptations or lifestyles consistent with this;
or
3. some individuals of a species have been recorded temporarily or occasionally using freshwater habitats for activities important in maintaining health and wellbeing such as feeding, drinking, or bathing; or
4. the species is listed as a “freshwater” species either in NZTCS assessments, or in Clarkson et al. (2021), or in Storey et al. (2018), or has been designated elsewhere as freshwater-dependent in a similar exercise to this; or
5. the species is known to inhabit freshwater habitats in addition to other non-freshwater habitats; or
6. some individuals of the species are mapped as occurring in the mapped extent of freshwater (including within a buffer), but their link to freshwater is not known.
7. Further filtering was undertaken on the 140 candidate species for inclusion in the plan (see Appendix 2 of this report, and APP6 in the pLWRP).