



Regional Conservation Status of Birds in Otago

Scott Jarvie, Bruce McKinlay, Dawn Palmer, Nicolas J. Rawlence, Oscar Thomas

September 2025

Otago Threat Classification Series 12

orc.govt.nz



Regional conservation status of birds in Otago

September 2025 –

Otago Threat Classification Series 12

Scott Jarvie

Otago Regional Council

Bruce McKinlay

Department of Conservation | Te Papa Atawhai

Dawn Palmer

Natural Solutions for Nature Ltd

Nicolas J. Rawlence

Te Tari Mātai Kararehe | Department of Zoology, Ōtākou Whakaihu Waka | University of Otago

Oscar Thomas

Te Tari Mātai Kararehe | Department of Zoology, Ōtākou Whakaihu Waka | University of Otago

Otago Regional Council

Otago Threat Classification Series 12

ISSN 2816-0983 (web PDF)

ISBN 978-1-0670673-1-1 (web PDF)

Otago Threat Classification Series is a scientific monograph series presenting publications related to regional threats assessments of groups of taxa in Otago. Most will be lists providing regional threat assessments of members of a plant or animal group (e.g., amphibians, bats, birds, indigenous vascular plants, peripatus, reptiles, selected species of mushroom fungi – non-lichenised agarics, boletes and russuloid), and leverages off national assessments for the New Zealand Threat Classification System within the regional context.

Recommended citation

Jarvie, S., McKinlay, B., Palmer, D., Rawlence, N. J., Thomas O. (2025). Regional conservation status of birds in Otago. Otago Regional Council, Otago Threat Classification Series, 2025/4

Front cover, back cover and frontispiece image credits

Otago shag / matapo, *Leucocarbo chalconotus* G.R. Gray, 1845. Threatened – Regionally Vulnerable. Regional Endemic in Otago. Photograph by Oscar Thomas

Southern rock wren / piwauwau, *Xenicus gilviventris rineyi* Falla, 1953. Threatened – Regionally Critical. National Stronghold in Otago. Photograph by Oscar Thomas

© September 2025. Otago Regional Council.

Published by Otago Regional Council, PO Box 1954, Ōtepoti Dunedin 9054, Aotearoa New Zealand.

The views published in this report on the conservation statuses reflect the views of an independent panel and are not necessarily the view of the Otago Regional Council.

This publication is available for download from the Otago Regional Council website.

In the interest of forest conservation, we support paperless electronic publishing.



This document is licenced for re-use under a [Creative Commons Attribution 4.0 International licence](https://creativecommons.org/licenses/by/4.0/). In summary, you are free to copy, distribute and adapt the material, if you attribute it to the Otago Regional Council and abide by the other licence terms.

Disclaimer

While care and diligence has been taken in processing, analysing and extracting data and information for this publication, the Otago Regional Council and the independent panels who came up with the conservation statuses accept no liability whatsoever in relation to any loss, damage or other costs relating to the use of any part of this report (including any data) or any compilations, derivative works or modifications of this report (including any data).

Executive Summary

This report is an update of the regional conservation status of bird taxa known in Otago known to occur in Otago since human arrival in Aotearoa New Zealand and supersedes an earlier version from 2024. Standardised methodology was followed to assess the regional threat status of 288 bird taxa. Thirty-two were assessed as Regionally Threatened (Regionally Critical = 9; Regionally Endangered = 6; Regionally Vulnerable = 17), four as Regionally At Risk (Regionally Declining = 3; Regionally Recovering = 1), 139 as Regionally Non-resident Native (Regional Migrant = 37; Regional Vagrant = 100; Regional Coloniser = 2), 23 as Regionally Not Threatened, 10 as Regionally Data Deficient, and 25 taxa as Introduced and Naturalised. Four taxa were identified as Conservation Translocations where they have been deliberately moved to the region for conservation benefit and have extant populations: three of these were Reintroductions and one was an Assisted Migration. The number of Regionally Extirpated taxa was 43, i.e., 30 are Globally Extinct and 13 are Regionally Extinct (three of these have been Reintroduced and have extant populations). Ten taxa are Introduced, Not Established, i.e., where a release is documented, but with no self-sustaining population in the wild; or a deliberate introduction is documented, and published records indicate the species bred (or probably bred), but it is no longer extant; and two are Not Assessed, i.e., have been assessed in earlier national assessments but currently not assessed.

Table of Contents

Executive Summary.....	v
Table of Contents.....	vi
1. Introduction	1
2. Methods.....	3
3. Results	6
Regionally Extirpated (43)	8
Regionally Data Deficient (10).....	13
Regionally Threatened (32)	16
Regionally At Risk (4).....	34
Regionally Non-resident Native (139)	38
Regionally Not Threatened (23).....	49
Regional Conservation Translocations (4).....	52
Regionally Introduced and Naturalised (25)	55
Regionally Introduced, Not Established (10)	57
Regionally Not Assessed (2)	59
Regionally Not Verified (2)	60
4. Discussion	81
Acknowledgements	93
References.....	94
Appendix 1: Process for determining the regional threat status of taxa	102
Appendix 2: List of Regional Qualifiers for Regional Conservation Threat Assessments	103
Appendix 3: List of National Qualifiers from the New Zealand Threat Classification System (Townsend et al. 2008; Michel 2021; Rolfe et al. 2021)	104
Appendix 4: Name differences affecting bird taxa found in the Otago Region between this report which follows Robertson et al. (2021) and the publication of the Checklist of the Birds of New Zealand (Checklist Committee, 2022)	109
Appendix 5: Specified Highly Mobile Fauna listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023) found in the Otago Region (bird taxa only).....	122

Appendix 6: International Union for Conservation of Nature (IUCN) Red List of Threatened Species Name and Authority and IUCN Status for Indigenous Species only	124
Appendix 7: Map of Territorial Authorities or Coastal Marine Area in the Otago Region.	138
Appendix 8: Map of Freshwater Management Units in the Otago Region.....	139
Appendix 9: Bird species that are Regional Endemics or have National Strongholds in the Otago Region	140
Appendix 10: Bird species with type localities in the Otago Region.....	141
Appendix 11: Introduced, Not Established bird species by Territorial Authority and Coastal Marine Area in the Otago Region	142
Appendix 12: Introduced, Not Established bird species by Freshwater Management Unit or rohe in the Otago Region.....	143

Introduction

Threat classifications play an important role in monitoring biodiversity and informing conservation actions. The New Zealand Threat Classification System (NZTCS) is a tool used to assign a threat status to candidate taxa (species, subspecies, varieties, and forma) in Aotearoa New Zealand (Townsend et al. 2008; Rolfe et al. 2022). The classification system was developed to apply equally to terrestrial, freshwater, and marine biota (flora and fauna). The NZTCS scores taxa at the national scale against criteria based on an understanding of population state, size, and trend, while considering population status, impact of threats, recovery potential, and taxonomic certainty. The Department of Conservation – Te Papa Atawhai (DOC) administers the NZTCS in Aotearoa New Zealand, with national assessments used to inform conservation action, target resources, and monitor biodiversity trends and conservation effectiveness.

While DOC is tasked with managing indigenous taxa nationally, regional and district councils have statutory obligations to maintain indigenous biodiversity under the Resource Management Act 1991 (RMA), including to manage the habitats of threatened taxa. The regional threat status of taxa is particularly important in the context of the RMA and in conservation planning. A key requirement of managing the habitats of threatened taxa is to understand distributions and regional population sizes, and to monitor trends and management intervention effectiveness.

This report is an update to, and supersedes, a regional conservation status assessment for bird species in the Otago Region first published in 2024 (Jarvie et al. 2024). Regional threat assessments have been completed following a standardised methodology by Otago Regional Council for seven taxonomic groups (bats, Jarvie et al. 2023; amphibians, Jarvie 2024a; selected species of mushroom fungi – non-lichenised agarics, boletes, and russuloid fungi, Jarvie and Cooper, 2024; reptiles, Jarvie et al. 2024b; birds, Jarvie et al. 2024c; indigenous vascular plants, Jarvie et al. 2025; Onychophora, Jarvie 2025b), Greater Wellington Regional Council for five taxonomic groups (bats, Crisp et al. 2023a; birds, Crisp et al. 2024; indigenous freshwater fish, Crisp et al. 2022; indigenous vascular plants, Crisp 2020; reptiles, Crisp et al. 2023b) and Auckland Council for five taxonomic groups (amphibians, Melzer et al. 2022a; reptiles, Melzer et al. 2022b; indigenous vascular plants, Simpkins et al. 2023; bats, Woolly et al. 2023; freshwater fish, Bloxham et al. 2024) as of September 2025. Regional threat assessments also provide a stronger foundation for assessing the threat status of taxa nationally. The methodology for the regional threat assessments leverages off national threat assessments as determined

using the NZTCS (Townsend et al. 2008, Rolfe et al. 2021, Michel 2021), with thresholds for area of occupancy or population size adjusted for the land area in the region (Appendix 1). National strongholds and additional regional qualifiers were also considered (Appendix 2).

Methods

The regional threat status of birds was assessed by a panel of experts (Bruce McKinlay, Dawn Palmer, Nicolas J. Rawlence, and Oscar Thomas) and an Otago Regional Council (ORC) ecologist (Scott Jarvie) in June 2023 and reviewed in June 2024, with minor updates in February 2025 and September 2025. This assessment covers bird taxa present in the region, following standardised methodology for regional threat assessments as shown in Appendix 1, the list of regional qualifiers in Appendix 2, and the list of national qualifiers in Appendix 3. The national threat assessments and national qualifiers were from Robertson et al. (2021). Following Robertson et al. (2021), all taxa were classified as: 1) ‘taxonomically determinate’, i.e., legitimately, and effectively published and generally accepted by relevant experts as distinct; or 2) ‘taxonomically unresolved’, i.e., used loosely to include both undescribed entities which still require formal taxonomic research to confirm their validity and provide them with a formal name and, occasionally, described species whose taxonomic validity is in question. Although the taxonomic nomenclature from Robertson et al. (2021) were used to follow the methodology, scientific names from the Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided in notes in the Tables and in Appendix 4.

Following the standardised methodology, bird taxa not observed in the region were first removed from consideration based on those recognised in the NZTCS list (Robertson et al. 2021) and recent publications (e.g., Rawlence et al. 2017; see Appendix 4 for information on how these publications have changed the names used). The next step was to identify Nationally Threatened and At-Risk taxa that breed or are resident in the region. If more than 20% of the national population is breeding or resident for more than half their life cycle in the region, taxa were assigned the National Stronghold qualifier and the NZTCS criteria applied. The regional conservation status must not be a lower threat status than the national status. For example, a Nationally Endangered taxon cannot be assessed as Regionally Vulnerable or lower but could be assessed as Regionally Critical.

Regional thresholds were set at more than 2000 mature individuals present or occupancy of more than 1000 ha. If taxa did not meet the threshold, they were assigned a regional threat status by applying the NZTCS criteria. If taxa did meet the threshold and the population trend was $\pm 10\%$ stable or increasing, they were assigned the status Regionally Not Threatened.

For Nationally Not Threatened and Non-Resident taxa, the regional population threshold was applied. If the population was not stable to increasing/decreasing by more than 10%, the NZTCS criteria were used to determine the regional threat status. Population trend criteria were applied based on current knowledge, projecting from recent past into the future over the next 10 years or three generations, whichever is the longer. Regionally Non-Resident Natives are bird taxa whose natural presence is discontinuous as they are classified as a Regional Migrant, sporadic or temporary as a Regional Vagrant, or which have succeeded in recently (since 1950) establishing a resident breeding population as a Regional Coloniser.

Bird taxa that have become established in Otago after deliberate or accidental introduction by humans are classified as Introduced and Naturalised. To be considered naturalised, taxa must have established a self-sustaining population in the wild over at least three generations and must have spread beyond the site of initial introduction. Similar to [New Zealand Birds Online](#), a category for Introduced, Not Established was included. This category includes bird species sighted in Otago where: 1) a release is documented, but with no self-sustaining population in the wild; or 2) a deliberate introduction is documented, and published records indicate the species bred (or probably bred), but it is no longer extant. A Not Assessed category was also included, like the national assessment.

In the Tables with the regional threat assessment information a notes column provides additional information that may be of interest to readers, e.g., locations of type localities, names and authority, and common names from the Checklist of the Birds of New Zealand (Checklist Committee, 2022), if the taxon is listed as a specified highly mobile fauna in the National Policy Statement for Indigenous Biodiversity (NPS-IB; Ministry for the Environment – Manatū Mō Te Taiao, 2023; Appendix 5), and the International Union for Conservation of Nature (IUCN) Red List of Threatened Species status for indigenous taxa (2024–1; downloaded, July 29, 2024; Appendix 6).

The IUCN information is provided as the New Zealand Coastal Policy Statement (Department of Conservation – Te Papa Atawhai, 2010) and its accompanying Document for Policy 11(a) (Indigenous Biological Diversity – Biodiversity; Department of Conservation – Te Papa Atawhai, 2019) provide guidance for taxa that are listed by the International Union for Conservation of Nature and Natural Resources (IUCN) as Threatened. The IUCN is an international system for evaluating the conservation status of plant, animal, and fungi species in the global context. ‘Threatened’ taxa are grouped

into one of three categories: ‘Critically Endangered’, ‘Endangered’, and ‘Vulnerable’. The different contextual scales of the IUCN Red List and the NZTCS means that a taxon may rank differently under the two systems. The NZTCS lists more taxa than the IUCN Red List simply because effort has been made to include as many species as possible.

Information is also provided on where extant bird taxa in the Regionally Threatened, At Risk, Migrant, and Introduced and Naturalised categories have recently been recorded in Otago. This included records for each territorial authority (Appendix 7), the Coastal Marine Area (which extends from mean high-water springs out to the 12 nautical mile (22.2 kilometre) limit of the territorial sea, from the Waitaki River in the north to Wallace Beach in the south; Appendix 7), and for each Freshwater Management Unit (FMU), of which the Clutha Mata-au FMU is subdivided into five rohe (areas) (Appendix 8). To further indicate bird taxa presence by territorial authority, Coastal Marine Area or FMU, the status was divided into breeding, suspected breeding, confirmed presence, and suspected presence. Bird taxa that are nationally extinct or regionally extirpated in the Otago region were also identified.

To inform decisions on population numbers and distributions for the regional threat status of bird taxa, occurrence records were used from data repositories, including eBird (Sullivan et al. 2009), and taxonomically harmonised with the listed bird taxa in the NZTCS (Robertson et al. 2021). The records were viewed in a locally operated dashboard using R v. 4.2.2 (R Core Team 2022) via the RStudio platform (Posit Team 2023). The main packages used were ‘shiny’ (Chang et al. 2021) and ‘flexdashboard’ (Iannone et al. 2020). The map layers used to view records were OpenStreetMap and Esri WorldImagery. The expert panel was further informed by published and unpublished reports, data base summaries (e.g., eBird, Sullivan et al. 2009; New Zealand Birds Online), the Checklist of the Birds of New Zealand (Checklist Committee, 2022), IUCN Red List of Threatened Species (2024), a list of birds by region in Aotearoa New Zealand (Thomas 2025), and local, regional, and national personal communications. The panel critically assessed the available data and drew on their own expert knowledge to consider current and likely future threats to determine the status and qualifiers for each species.

Results

A total of 288 bird taxa were identified as being in the Otago Region since human arrival in Aotearoa New Zealand (Figure 1). Of these taxa, 32 are Regionally Threatened, four are Regionally At Risk, 139 are Regionally Non-resident Native, 23 are Regionally Not Threatened, 10 are Regionally Data Deficient, and 25 taxa are Introduced and Naturalised. Additionally, 43 taxa are identified as Regionally Extirpated, 10 taxa are Introduced, Not Established, and two are Not Assessed. Translocations to reintroduce or introduce species to the region have happened for conservation purposes; three of them are currently in progress, with two of these conservation translocations being reintroductions and one of them being an assisted migration.

For 32 Regionally Threatened taxa in Otago, nine are Regionally Critical, six are Regionally Endangered, and 17 are Regionally Vulnerable. Of the four Regionally At Risk taxa, three are Regionally Declining and one is Regionally Recovering. For Regionally Non-resident Native species, 37 are identified as Regional Migrants, 100 are Regional Vagrants, and two as Regional Colonisers. In Otago, 43 are Regionally Extirpated; 30 species are globally extinct and 13 species are extant in Aotearoa New Zealand but extinct from Otago.

The region was identified as a national stronghold for eight bird taxa. These species have > 20% of the national population in Otago. Of those taxa with National Strongholds, only one taxon is a Regional Endemic, the Otago shag / matapo, *Leucocarbo chalconotus*, meaning they are not found elsewhere, i.e., known to exclusively breed in the region. One taxon was at their natural southern range limit for breeding within the region; the wrybill / ngutu pare, *Anarhynchus frontalis*, excluding the regional endemic taxon. The number of taxa with type localities in the Otago region was 13; four are for extant taxa while nine are for extinct taxa (Appendix 10).

Observations of rare and vagrant species in the region that have not been submitted to the Birds New Zealand Records Appraisal Committee and therefore were unverified for the purposes of inclusion in this included the white-bellied sea eagle (*Haliaeetus leucogaster*) and red-necked phalarope (*Phalaropus lobatus*). Although not included in this assessment, the panel notes that records have been accepted outside the region for these species and some of them could have visited the region. We encourage the submission of reportable bird sightings to the Birds New Zealand Records Appraisal Committee.

Numerous bird taxa are present in every Territorial Authorities, Coastal Marine Area, and Freshwater Management Unit or rohe in the Otago Region. For the categories of Regionally Threatened, Regionally At Risk, Regionally Non-resident (Migrant and Coloniser only), Regionally Introduced and Naturalised, and Regionally Conservation Translocated birds these are listed in Tables 2 and 3. In these tables 126 bird taxa were recorded as present in Territorial Authorities or the Coastal Marine Area, with 101 on them being native (Table 2). The number of bird taxa in territorial authorities ranged from 88 in Dunedin City Council to 64 in Central Otago District Council. The Region had 71 bird taxa (69 native, two Introduced and Naturalised) recorded from its Coastal Marine area. Of the above categories, the number of bird taxa recorded in Otago Regional Council's Freshwater Management Units (FMU) or rohe was 96, with 69 of these being native (Table 3). The highest number of bird taxa in a FMU or rohe is the Dunedin and Coast FMU with 85, with the least number in both the Manuherekia Rohe and Roxburgh Rohe with 56.

Regionally Extirpated (43)

Taxa for which there is no reasonable doubt that the species is no longer present in the wild in Otago. The list includes nationally extinct and regionally extirpated bird taxa.

Table 1.1: Regionally Extirpated bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023), it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
REGIONALLY EXTIRPATED (43)						
REGIONALLY EXTINGUISHED (13)						
<i>Taxonomically determinate (11)</i>						
<i>Apteryx owenii</i> Gould, 1847	little spotted kiwi	kiwi pukupuku	Nationally Increasing		CI, CD, Inc, RR	IUCN: Threat Status: Near Threatened Formerly widespread on both main islands, but now confined to translocated populations on offshore islands and one mainland sanctuary. Common in Nelson / Whakatū, Westland, and Te Rua-o-Te-Moko / Fiordland to the early 1900s, but gradually disappeared leaving a small population on D'Urville Island / Rangitoto ki te Tonga. It is believed five individuals were introduced to Kapiti Island / Ko te Waewae Kapiti o Tara Raua ko Rangitane from the Jackson Bay / Okahu area in 1912, where they flourished. Although transfers to other pest-free sites have seen numbers increase, low genetic diversity exists in the species.
<i>Callaeas cinerea</i> (Gmelin, 1788)	South Island kokako	kōkā*	Data Deficient		PE	IUCN: Threat Status: Critically Endangered Very high likelihood of at least being functionally extinct. The last record accepted by the Records Appraisal Committee of Birds New Zealand for South Island kokako / kōkā was in 2007, with this not being in Otago (Upper Inangahua Valley; Miskelly et al. 2013).
<i>Cyanoramphus matherbi</i> Souancé, 1857	orange-fronted parakeet	kākāriki karaka	Nationally Critical		CI, CD, CR, EF, RR	IUCN: Common Name and Threat Status: Malherbe's parakeet. Critically Endangered. Formerly widespread in Aotearoa New Zealand but now restricted to forested valleys in Waitaha / Canterbury and translocated populations. The Otago naturalist Alfred Philpott observed, in 1919, that while the orange-fronted parakeet / kākāriki karaka was not as abundant as the other species of indigenous parakeet, it is "in all probability extinct".

Continued next page

Conservation status of birds in Otago

Regionally Extirpated continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Gallirallus australis hectori</i> (Hutton, 1873)	buff weka	weka	Relict			IUCN: Name and Authority, Common Name and Threat Status: <i>Gallirallus australis</i> Sparrman, 1786; Weka; Vulnerable. Formerly widespread on Te Waipounamu / South Island along eastern low-rainfall areas from Marlborough / Te Taihū-o-te-Waka to Southland / Murihiku. Apparently died out on the mainland but remains abundant on Chatham Islands / Rēkohu / Wharekauri and Pitt Island / Rangihau / Rangiauria where introduced in 1905. Reintroduced to five islands in two lakes (Lake Wānaka and Lake Wakatipu / Whakatipu Waimāori) and a mainland site (Motatapu Valley) Otago (Miskelly & Powlesland 2013). Reintroduced populations are still present on the islands and individuals were in the Motatapu Valley in 2021. Although a recent study inferred only one subspecies of weka for each of the main islands in Aotearoa New Zealand (Trewick et al. 2017), the NZTCS taxonomy is followed in regional conservation status assessments so multiple lineages in Te Waipounamu / South Island were assessed in this report.
<i>Gallirallus philippensis assimilis</i> (G.R.Gray, 1843)	banded rail	moho pererū	Declining		CI, CR, DPS, DPT, RR	IUCN: Name and Authority, Common Name and Threat Status: <i>Hypotaenidia philippensis</i> (Linnaeus, 1766); Buff-banded rail; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna Formerly common throughout the main islands of Aotearoa New Zealand. On Te Ika-a-Māui / North Island found in Northland (including Manawatāwhi / Three Kings, Poor Knights, Hauturu / Little Barrier, and Great Barrier / Aotea Islands), Tāmaki Makaurau / Auckland, Waikato, Coromandel / Kapanga, and Bay of Plenty / Te Moana-a-Toi but rare south of 39°S (Marchant & Higgins 1993). In Te Waipounamu / South Island found in coastal north-west Nelson / Whakatū, Golden Bay / Mohua and Pelorus Sound, and rare elsewhere (Elliott 1989). Islands south-west of Rakiura / Stewart Island.
<i>Pelecanoides whenuahouensis</i> Fischer et al., 2018	Whenua Hou diving petrel	kuaka Whenua Hou*	Nationally Critical		CI, CD, CR, IE, OL	Checklist Committee: Name and Authority: <i>Pelecanoides georgicus whenuahouensis</i> Fischer, Debski, Miskelly, Bost, Fromant, Tennyson, Tessler, Cole, Hiscock, Taylor & Wittmer 2018 IUCN: Name and Authority, Common Name and Threat Status: <i>Pelecanoides georgicus whenuahouensis</i> Fischer et al., 2018; Critically Endangered. Bones found in a midden at Sandfly Bay, Otago Peninsula / Muaūpoko were morphologically identified as South Georgian diving petrel. Since the taxonomic description of <i>P. georgicus whenuahouensis</i> from Whenua Hou / Codfish Island, it is thought these Sandfly Bay specimens may belong to <i>P. georgicus whenuahouensis</i>. While these specimens may have been beach wrecked individuals originating from other colonies, it was considered more likely they may have originated from a local colony (Wood & Briden 2008).
<i>Philesturnus carunculatus</i> Gmelin, 1789	South Island saddleback	tieke	Recovering		CD, DPS, Inc, PF, RR	IUCN: Name and Authority, and Threat Status: <i>Philesturnus carunculatus</i> (Gmelin, 1789). Least Concern. Once found throughout Te Waipounamu / South Island and Rakiura / Stewart Island but predation by introduced mammals led to them becoming confined to the South Cape Islands by the 1960s. Subsequent successful or ongoing translocations have occurred. An attempt to establish a population at Orokonui Ecosanctuary – Te Korowai o Mihiwaka, near Ōtepoti Dunedin, in 2009 and 2013 was unsuccessful due to a stoat (<i>Mustela erminea</i>) incursion. In early 2025, ~100 individuals were translocated to Orokonui Ecosanctuary as a partnership between the Rakiura Titi Island Administering Body, Kāti Huirapa Rūnaka ki Puketeraki and the sanctuary.

Continued next page

Conservation status of birds in Otago

Regionally Extirpated continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Poliiocephalus rufopectus</i> (G.R. Gray, 1843)	New Zealand dabchick	weweia	Nationally Increasing		DPS, Inc	IUCN: Name and Authority, Common Name and Threat Status: <i>Poliiocephalus rufopectus</i> (Gray, 1843); New Zealand grebe; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna Occurs from Northland to the north of the Te Waipounamu / South Island. Once sparingly distributed on small lakes and sheltered inlets on larger lakes in the Te Waipounamu / South Island, it declined in the 19 th century until becoming extinct there as a breeding species in the 1940s.
<i>Porphyrio hochstetteri</i> (A.B. Meyer, 1883)	South Island takahe	takahē	Nationally Vulnerable		CI, CD, RR	IUCN: Threat Status Endangered Once widespread across Te Waipounamu / South Island, their range reduced to a relict population in the mountains of Te Rua-o-Te-Moko / Fiordland by the 1940s. The modern conservation programme has set up additional populations; a captive breeding and rearing facility at Burwood Bush near Te Anau, plus free-ranging populations on wildlife reserves on Te Ika-a-Māui / North Island and Te Waipounamu / South Island and several offshore islands. In Otago, there are two pairs of takahē at Orokonui Ecosanctuary – Te Korowai o Mihiwaka, near Ōtepoti Dunedin. In August 2023, 18 birds (9 pairs) were released in the Greenstone Valley, near Glenorchy, at the start of the breeding season. A further six sub-juveniles were released to reinforce the population in November 2023, with additional reinforcements being planned. In March 2025, four recent takahē deaths were reported that pointed to stoat predation, with a fifth the cause of death being unknown. At the time, it was noted that a population of 20 to 30 takahē have been living in the Greenstone for more than 18 months and the health and productivity of the birds has exceeded expectations, with two active breeding seasons indicating the Greenstone Valley as a promising wild site. Efforts to establish a population of up to 80 takahē in the nearby Rees Valley began in February 2025 with the release of 18 birds, a subsequent release of 33 birds in April 2025, with a further release planned for Spring 2025. The number of takahē in the Rees Valley has been reported as being the second largest wild population. None of these populations in Otago are self-sustaining yet.
<i>Strigops habroptilus</i> Gray, 1845	kākāpō	kākāpō	Nationally Critical		CD, CR, Inc, RR	IUCN: Common Name and Threat Status: kakapo; Critically Endangered Once found throughout Aotearoa New Zealand, they disappeared from Te Ika-a-Māui / North Island by about 1930, persisting longer in Te Waipounamu / South Island until the late 1980s. Intensive management of the population has seen numbers increase in recent years.
<i>Thinornis novaeseelandiae</i> Gmelin, 1789	shore plover	tuturuatu*	Nationally Critical		Sp, CI, CD, CR, Inc, RR	IUCN: Name and Authority, Common Name and Threat Status: <i>Thinornis novaeseelandiae</i> (Gmelin, 1789); Endangered NPS-IB: listed Specified Highly Mobile Fauna Previously found around the coast of mainland Aotearoa New Zealand but were extirpated by about the 1870s and were confined to the Chatham Islands / Rēkohu / Wharekauri. The taxon has recently been released on islands around mainland Aotearoa New Zealand.
Taxonomically unresolved (2)						
<i>Anas chlorotis</i> "South Island" G.R. Gray, 1845	South Island brown teal	pāteke*	Data Deficient		PE	IUCN: Name and Authority, Common Name and Threat Status: <i>Anas chlorotis</i> Gray, 1845; brown teal; Near Threatened High likelihood of being functionally extinct due to hybridisation with mallards [Birdlife International, 2015; Checklist Committee]. Last recorded in the wild in 1999 (Heather & Robertson 2015).

Continued next page

Conservation status of birds in Otago

Regionally Extirpated continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Apteryx</i> spp.	tokoea spp.	tokoea	Naturally Uncommon or Nationally Vulnerable		CD, CR, PD, RF	IUCN: Name and Authority, Common Name and Threat Status: <i>Apteryx australis</i> Shaw, 1813; southern brown kiwi; Vulnerable Tokoea spp. were likely widespread throughout the southern and eastern part of Te Waipounamu / South Island as far north as North Canterbury / Waitaha, but their range contracted to Te Rua-o-Te-Moko / Fiordland, Haast Range and Rakiura / Stewart Island by the late 19 th century. Due to these disjunct populations of tokoea, the result of postulated recent and ongoing population declines, the Department of Conservation – Te Papa Atawhai treat them as distinct management units (Burbidge et al. 2003; Weir et al. 2016; Germano et al. 2018; Bemmels et al. 2021; Scofield et al. 2021; Shepherd et al. 2021; Undin et al. 2021). Until further morphological and/or genetic research is undertaken, it is unclear whether the tokoea which were found in Otago were more closely related to <i>Apteryx australis</i> “northern Fiordland” or <i>Apteryx australis</i> “southern Fiordland”.
NATIONALLY EXTINCT (30)						
Taxonomically determinate (30)						
<i>Aegotheles novaezealandiae</i> (Scarlett, 1968)	New Zealand owl-nightjar	ruru hinapō*	Extinct			
<i>Anomalopteryx didiformis</i> (Owen, 1844)	little bush moa	moariki*	Extinct			
<i>Aptornis defossor</i> Owen, 1871	South Island adzebill	ngutu hahau*	Extinct	TL		TL = Ōamaru
<i>Aquila moorei</i> Haast, 1872	Haast's eagle	pouakai*, hokioi*	Extinct			
<i>Biziura delautouri</i> Forbes, 1892	New Zealand musk duck		Extinct	TL		TL = Enfield Swamp
<i>Chenonetta finschi</i> (Van Beneden, 1875)	Finsch's duck	manutahora*	Extinct	TL		TL = Earnsclough Cave
<i>Circus teauteensis</i> Forbes, 1892	Eyles' harrier	kêrangī	Extinct			
<i>Cnemioernis calcitrans</i> Owen, 1865	South Island goose		Extinct			
<i>Coenocorypha iredalei</i> Rothschild, 1955	South Island snipe	tutukiwi*	Extinct			
<i>Corvus moriorum pycrafti</i> Gill, 2003	South Island raven		Extinct			Checklist Committee: Name and Authority: <i>Corvus antipodum pycrafti</i> Forbes, 1893
<i>Coturnix novaezealandiae</i> Quoy and Gaimard, 1830	New Zealand quail	koreke*	Extinct			
<i>Cygnus sumnerensis</i> (Forbes, 1890)	New Zealand swan	matapu*				Not assessed in Robertson et al. 2021. However, extinct taxon according to Rawlence et al. 2017 and 2018. The Checklist Committee, also has as an extinct taxon.
<i>Dendroscansor decurvirostris</i> Millener & Worthy, 1991	long-billed wren	manu paea	Extinct			Bones have been found at four Holocene deposits only (caves in north-west Te Waipounamu / South Island and Southland / Murihiku; Worthy & Holdaway, 2002). Assumed to be indigenous taxon in Otago due to disjunct distribution of Holocene deposits with suitable habitats in the region.
<i>Dinornis robustus</i> Owen, 1846	South Island giant moa	moa nunui	Extinct	TL		TL = Waikouaiti
<i>Emeus crassus</i> Owen, 1846	eastern moa	moa mōmona	Extinct	TL		TL = Waikouaiti
<i>Euryapteryx curtus gravis</i> Owen, 1870	stout-legged moa	moa hakahaka*	Extinct			
<i>Fulica prisca</i> Hamilton, 1893	New Zealand coot		Extinct			

Continued next page

Conservation status of birds in Otago

Regionally Extirpated continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Gallinula hodgenorum</i> (Scarlett, 1955)	Hodgens' waterhen		Extinct			Checklist Committee: Name and Authority: <i>Tribonyx hodgenorum</i> (Scarlett, 1955)
<i>Ixobrychus novaezelandiae</i> (Purdie, 1871)	New Zealand little bittern	kaoriki	Extinct	TL		IUCN: Name and Authority, Common Name and Threat Status: <i>Ixobrychus novaezelandiae</i> (Potts, 1871) TL = Lake Wakatipu / Whakatipu Waimāori
<i>Malacorhynchus scarletti</i> Olson, 1977	Scarlett's duck		Extinct			
<i>Megadyptes waitaha</i> Boessenkool et al., 2009	Waitaha penguin		Extinct			Checklist Committee: Name and Authority: <i>Megadyptes antipodes waitaha</i> Boessenkool et al., 2009
<i>Megalapteryx didinus</i> Owen 1883	upland moa	moa pukepuke	Extinct	TL		TL = Tāhuna / Queenstown
<i>Mergus australis</i> Hombron & Jacquinot, 1841	Auckland Island merganser	miuweka*	Extinct			Checklist Committee: Common Name: Auckland Island merganser. IUCN: Threat Status: New Zealand merganser. Extinct. Assessed as Auckland Island merganser in Robertson et al. 2021, with the alternative name New Zealand merganser provided. Further genetic research is needed to resolve relationships between living and extinct merganser fossils from Aotearoa New Zealand that not yet been subjected to ancient DNA analysis (Rawlence et al. 2024).
<i>Pachyornis australis</i> Oliver, 1949	crested moa	moa koukou	Extinct			Bones found as Pleistocene and rare Holocene remains in the northwest Te Waipounamu / South Island and rare Holocene remains in Southland / Murihiku (Worthy & Holdaway, 2002). Assumed to be indigenous taxon in Otago due to disjunct distribution of Holocene deposits with suitable habitats in the region. Southland / Murihiku specimens need genetic and morphological reassessment.
<i>Pachyornis elephantopus</i> (Owen, 1856)	heavy-footed moa	moa waewae taumaha	Extinct	TL		TL = Awamoa
<i>Pachyplichas yaldwyni</i> Millener, 1988	South Island stout-legged wren		Extinct			Bones found as Holocene remains in predator deposits and cave pitfall deposits in north-west Te Waipounamu / South Island, Westland, Waitaha / Canterbury, and Southland / Murihiku (Worthy & Holdaway, 2002). Assumed to be indigenous taxon in Otago due to disjunct distribution of Holocene deposits with suitable habitats in the region.
<i>Sceloglaux albifacies albifacies</i> G.R. Gray, 1844	South Island laughing owl	whēkau*	Extinct	TL		Checklist Committee: Name and Authority: <i>Ninox albifacies albifacies</i> (G.R. Gray, 1844) IUCN: Common Name and Threat Status: <i>Ninox albifacies</i> (Gray, 1844); Laughing owl TL = Waikouaiti
<i>Traversia lyalli</i> Rothschild, 1894	Stephens Island wren		Extinct			Checklist Committee: Common Name: Lyall's Wren IUCN: Common Name: Stephens Island rockwren
<i>Turnagra capensis capensis</i> Sparrman, 1787	South Island piopio	piopio*	Extinct			IUCN: Name and Authority, and Threat Status: <i>Turnagra capensis</i> (Sparrman, 1787).
<i>Xenicus longipes longipes</i> (Gmelin, 1789)	South Island bush wren	mātuhituhi	Extinct			IUCN: Name and Authority, and Common Name: <i>Xenicus longipes</i> (Gmelin, 1789); bushwren.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Data Deficient (10)

Taxa that are suspected to be threatened or, in some instances, possibly extinct in Otago but are not definitely known to belong to any particular category due to a lack of current information about their distribution and abundance (for a fuller definition see Townsend et al. 2008).

Table 1.2: Regionally Data Deficient bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023), it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	National Qualifiers	Notes
DATA DEFICIENT (10)					
<i>Taxonomically determinate (9)</i>					
<i>Anas superciliosa</i> Gmelin, 1789	grey duck	pāpera	Nationally Vulnerable	CR, DPR, DPS, DPT, SO	IUCN: Common Name and Threat Status: pacific black duck; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna. Extensively hybridised with introduced mallards to an extent that few pure grey ducks may exist in Aotearoa New Zealand. Although this is based on phenotype, genetic studies have yet to peer-reviewed, the diversity of soft part and plumage characteristics of most grey duck-like Aotearoa New Zealand birds compared to those in Australia support this belief. New Zealand Birds Online suggests the best opportunity to view grey duck is outside the Otago region in forested headwater catchments and away from human settlements.
<i>Eudyptula minor albosignata</i> Finsch, 1874	white-flipped blue penguin	kororā		CI, CD, CR, PD, RR	Checklist Committee: Name and Authority, and Common Name: <i>Eudyptula minor minor</i> J.R. Forster, 1781; New Zealand little penguin. IUCN: Name and Authority, Common Name and Threat Status: <i>Eudyptula minor</i> J.R. Forster, 1781; Little penguin; Least Concern. There are two subspecies currently recognised by the Checklist of the Birds of New Zealand (Checklist Committee, 2022): 1) Australian populations (<i>E. m. novaehollandiae</i>) and some Otago birds, and 2) all remaining populations including some Otago birds (<i>E. m. minor</i>). This second clade includes all birds previously assigned to <i>E. m. iredalei</i> (northern Aotearoa New Zealand), <i>E. m. variabilis</i> (Te Moana-o-Raukawa / Cook Strait), <i>E. m. albosignata</i> (the white-flipped penguin of North Canterbury), <i>E. m. chathamensis</i> (Chatham Islands / Rēkohu / Wharekauri), and some <i>E. m. minor</i> (southern Aotearoa New Zealand). <i>E. m. albosignata</i> was assigned Regionally Data Deficient due to this taxonomic uncertainty. Although the two clades are genetically distinguishable, they are not always readily identifiable in the field (Checklist Committee, 2022), and so the boundaries of their distributions and extent of sympatry in southern Aotearoa New Zealand is poorly known (Grosser et al. (2015, 2017). Little penguins are observed in Ōamaru with varying degrees of white-flippedness; individuals of both the Australian and New Zealand clade breed together (Agnew pers. comm. July 2024).

Continued next page

Conservation status of birds in Otago

Regionally Data Deficient continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	National Qualifiers	Notes
<i>Eudyptula minor minor</i> J.R. Forster, 1781	southern blue penguin	kororā	Declining	CI, CR, DPS, DPT	Checklist Committee: Name and Authority, and Common Name: <i>Eudyptula minor minor</i> J.R. Forster, 1781; New Zealand little penguin. IUCN: Name and Authority, Common Name and Threat Status: <i>Eudyptula minor</i> J.R. Forster, 1781; Little penguin; Least Concern. Two subspecies are currently recognised by the Checklist of the Birds of New Zealand (Checklist Committee, 2022): 1) Australian populations (<i>E. m. novaehollandiae</i>) and some Otago birds, and 2) all remaining populations including some Otago birds (<i>E. m. minor</i>). The second clade includes birds previously assigned to <i>E. m. iredalei</i> (northern Aotearoa New Zealand), <i>E. m. variabilis</i> (Te Moana-o-Raukawa / Cook Strait), <i>E. m. albosignata</i> (the white-flipped penguin of North Canterbury), <i>E. m. chathamensis</i> (Chatham Islands / Rēkohu / Wharekauri), and some <i>E. m. minor</i> (southern Aotearoa New Zealand). Due to this taxonomic uncertainty, <i>E. m. minor</i> was assigned Regionally Data Deficient. Although the two clades are genetically distinguishable, they are not always identifiable in the field (Checklist Committee, 2022), and so the boundaries of their distributions and extent of sympatry in southern Aotearoa New Zealand is poorly known (Grosser et al. (2015, 2017).
<i>Gallirallus australis australis</i> Sparrman, 1786	western weka	weka	Not Threatened	EF, Inc	IUCN: Name and Authority, Common Name and Threat Status: <i>Gallirallus australis</i> Sparrman, 1786; Weka; Vulnerable Found from Marlborough Sounds to Te Rua-o-Te-Moko / Fiordland. While known populations might be found close to the Otago boundary, it is uncertain whether this taxon is found in the region. In 2024 and 2025 there have been officially recorded sightings of weka in Ōtepoti / Dunedin at North East Valley and Second Beach. As there are no known populations in or around the city, it is likely that these birds seen in or around the city have been caught and transported to the area and are escapees or released individuals; this is despite being in the indigenous range of the species. The provenance of the escapees or released weka is unknown as no genetic testing of birds has occurred. A recent study inferred only one subspecies of weka for each of the main island in Aotearoa New Zealand (Trewick et al. 2017), but the NZTCS taxonomy is followed in regional conservation status assessments so multiple lineages on Te Waipounamu / South Island were assessed in this report.
<i>Leucocarbo stewarti</i> (Ogilvie-Grant, 1898)	Foveaux shag	mapo	Nationally Vulnerable	CD, CR, DPS, DPT, PD	IUCN: Name and Authority, Common Name and Threat Status: <i>Leucocarbo chalconotus</i> (Gray, 1845); Stewart Island shag; Vulnerable. Most recently assessed in 2018 and did not include the latest taxonomy from Rawlence et al. 2016 for the Otago shag / matapo, <i>L. chalconotus</i> G.R. Gray, 1845. A carcass from a beach-wrecked specimen was found from the western shore of Boulder Beach, Otago Peninsula / Muaūpoko, on 22 June 2011 (Rawlence et al. 2014). It is unknown if a breeding colony exists in Otago.
<i>Pachyptila crassirostris crassirostris</i> Mathews, 1912	fulmar prion		Naturally Uncommon	CD, RR, St	IUCN: Name and Authority, and Threat Status: <i>Pachyptila crassirostris</i> (Mathews, 1912); Least Concern. A poorly known species only easily seen by visiting its remote island breeding sites. While usually only easily identifiable in the hand, it has been seen east of the Te Waipounamu / South Island.
<i>Pterodroma nigripennis</i> (Rothschild, 1893)	black-winged petrel	kareta i kapa mangu	Not Threatened	De, Inc, RR	IUCN: Threat Status: Least Concern
<i>Pterodroma magentae</i> (Giglioli & Salvadori, 1869)	Chatham Island taiko	tāiko	Nationally Critical	CD, CR, Inc, IE, OL	IUCN: Common Name and Threat Status: Magenta petrel; Critically Endangered. Recent tracking studies has improved understanding of the at-sea distribution of Chatham Island taiko / tāiko. A study from 2023 showed a bird off the Otago shelf, but not within Otago's Coastal Marine Area (Chambon, unpublished data, 2023). It is possible other birds could disperse into Otago waters.

Continued next page

Conservation status of birds in Otago

Regionally Data Deficient continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	National Qualifiers	Notes
<i>Thalassarche bulleri platei</i> Rothschild, 1888	northern Buller's mollymawk	toroa	Naturally Uncommon	CI, CD, RR	Checklist Committee: Name and Authority: <i>Thalassarche bulleri platei</i> (Reichenow, 1888). IUCN: Name and Authority, Common Name and Threat Status: <i>Thalassarche bulleri</i> (Rothschild, 1893); Buller's albatross; Near Threatened. A small albatross commonly occurring around coastal areas of Aotearoa New Zealand. Two subspecies, both extant: northern Buller's mollymawk (<i>T. bulleri platei</i>) and southern Buller's mollymawk / toroa (<i>T. b. bulleri</i>). While the southern Buller's mollymawk / toroa is regularly seen in the Otago Coastal Marine Area, it is uncertain if the northern Buller's mollymawk / toroa is found in the region due to identification challenges. The main area the northern subspecies ranges is off the Chatham Islands / Rēkohu / Wharekauri; and eastern Te Ika-a-Māui / North Island, but the taxon has been recorded in the subantarctic seas. Both subspecies migrate after breeding to the seas off Peru and Chile.
<i>Thalassarche cauta cauta</i> Gould, 1841	Tasmanian albatross	toroa*	Vagrant	SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Thalassarche cauta</i> (Gould, 1841); Shy albatross; Near Threatened. A medium-sized albatross commonly occurring around Aotearoa New Zealand. Two subspecies, both extant: New Zealand white-capped mollymawk / toroa (<i>T. cauta steadi</i>) and Tasmanian albatross (<i>T. c. cauta</i>). While the New Zealand white-capped mollymawk / toroa is regularly seen in the Otago Coastal Marine Area, it is uncertain if the Tasmanian albatross is found in the region due to identification challenges. The main area they occur is around Tasmania and the South Indian Ocean. Both subspecies disperse after breeding through the South Pacific westwards as far as the South Atlantic Ocean.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Threatened (32)

Taxa that meet the criteria specified by Townsend et al. (2008) and Michel (2021) for the categories Regionally Critical, Regionally Endangered, Regionally Vulnerable or Regionally Increasing.

Regionally Critical (9)

Criteria for Regionally Critical:

A – very small population (natural or unnatural)

A(1) < 250 mature individuals

A(2) ≤ 2 subpopulations, ≤ 200 mature individuals in the larger subpopulation

A(3) Total area of occupancy ≤ 1 ha (0.01 km²)

B – small population (natural or unnatural) with a moderate ongoing or predicted decline of 50–70%

B(1) 250–1000 mature individuals

B(2) ≤ 5 subpopulations, ≤ 300 mature individuals in the largest subpopulation

B(3) Total area of occupancy ≤ 10 ha (0.1 km²)

C – population (irrespective of size or number of subpopulations) with a very high ongoing or predicted decline of > 70%

Table 1.3.1: Regionally Critical bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023), it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
REGIONALLY CRITICAL (9)												
<i>Taxonomically determinate (9)</i>												
<i>Anarhynchus frontalis</i> Quoy & Gaimard, 1830	wrybill	ngutu pare	Nationally Increasing	A (1)		< 250	Stable: ±10 %	Low	Low	CD, DPS, DPT, NR, RR	CD, CR, RR	IUCN: Name and Authority, and Threat Status: <i>Anarhynchus frontalis</i> Quoy & Gaimard, 1830; Vulnerable. NPS-IB: listed Specified Highly Mobile Fauna Breeds only on Te Waipounamu / South Island. Most of the population breeds in Waitaha / Canterbury, and four rivers in Otago have populations: Hunter, Makarora, Matukituki, and Dart River / Te Awa Whakatipu. During their migration, flocks are often seen briefly on Te Waipounamu / South Island east coast lakes and estuaries. On their wintering grounds, they feed on inter-tidal mudflats in harbours and estuaries.
<i>Botaurus poiciloptilus</i> (Wagler, 1827)	Australasian bittern	matuku-hūrepo	Nationally Critical	A (1)		< 250	Decreasing : 50–70 %	Medium	High	CI, DPT, TO	Sp, CR, DPT, RF, TO	IUCN: Threat Status: Vulnerable. NPS-IB: listed Specified Highly Mobile Fauna Likely < 50 mature individuals. Difficult to detect, with females under-represented in counts.

Continued next page

Conservation status of birds in Otago

Regionally Critical continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Cyanoramphus novaezelandiae novaezelandiae</i> Sparrman, 1787	red-crowned parakeet	kākāriki	Relict	A (1)		< 250	Stable: ±10 %	Low	Medium	CD, DPR, DPS, DPT	CD, PF	IUCN: Name and Authority, Common Name and Threat Status: <i>Cyanoramphus novaezelandiae</i> Sparrman, 1787; Red-crowned parakeet; Least Concern Formerly common in Aotearoa New Zealand but now largely restricted to pest-free offshore and outlying islands. In Otago, mainly found in the Catlins, although assumed some birds could be escapees or explorations. Occasionally seen in other parts of the region, e.g., Waipori.
<i>Diomedea sanfordi</i> Murphy, 1917	northern royal albatross	toroa	Nationally Vulnerable	A (1)		< 250	Increasing: >10 %	High	High	CD, CI, INC, OL	CI, CD, CR, DPT, RR, RF	IUCN: Threat Status: Endangered The first chick fledged at the Taiaoroa Head / Pukekura colony in September 1938. As of October 2023, there are 242 mature individuals based on sighted band combinations from the last two years (Reid and Watts, Department of Conservation – Te Papa Atawhai, pers. comm., October 2023). The colony is the only albatross colony found on a human-inhabited mainland in the Southern Hemisphere.

Continued next page

Conservation status of birds in Otago

Regionally Critical continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Hymenolaimus malacorhynchos</i> (Gmelin, 1789)	whio	kōwhiowhio (Kāi Tahu)	Nationally Vulnerable	A (1)		< 250	Stable: ±10 %	Low	Low	CD, CI, DPS, DPT	Sp, CI, CD, PD	IUCN: Common Name and Threat Status: blue duck. Endangered. NPS-IB: listed Specified Highly Mobile Fauna A recent study has detected new genetic maternal lineage in kōwhiowhio within the Makarora and South Westland area (Hufton & Robertson 2023). Based on survey work, observations, and recent verified whio records, at least 25 adult kōwhiowhio (comprising 11 pairs) have been identified within the Makarora catchment. Despite this, the total number of kōwhiowhio in Otago was estimated to < 100 mature individuals,

Continued next page

Conservation status of birds in Otago

Regionally Critical continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Megadyptes antipodes</i> (Hombron & Jacquinot, 1841)	yellow-eyed penguin	hoiho	Nationally Endangered	B (1)		250–1000	Decreasing : 70 %	High	High	CD, CI, CR, EF	CI, CD, CR, DPS, DPT, EF, PD, RF	Checklist Committee: Name and Authority: <i>Megadyptes antipodes antipodes</i> (Hombron & Jacquinot, 1841), Three subspecies are recognised, following Cole et al. (2019), with only <i>M a. Antipodes</i> extant. IUCN Threat Status: Endangered. A Northern population breeds on the southeast coast of Te Waipounamu / South Island, on Rakiura / Stewart Island and adjacent islands, and a Southern population on the Auckland Islands / Mauka Huka and Campbell Island / Motu Ihupuku. On the mainland as part of the Northern population, breeds in four distinct regions: the Catlins, Otago Peninsula / Muaūpoko, North Otago, and Banks Peninsula. Between 2002 and 2023, the population declined by > 70 % in Otago. Historically, the region would have been a National Stronghold, i.e., > 20% of the population, but due to the dramatic decline in Otago (and a lack of knowledge about the Southern population) this is no longer the case.

Continued next page

Conservation status of birds in Otago

Regionally Critical continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Nestor notabilis</i> Gould, 1856	kea	kea	Nationally Endangered	B (1)		250–1000	Decreasing : 50–70 %	Medium	Low	CI, DPS, DPT	CI, CD, CR	IUCN: Threat Status: Endangered. NPS-IB: listed Specified Highly Mobile Fauna Mainly found in the high country of Te Waipounamu / South Island from Te Rua-o-Te-Moko / Fiordland to Nelson / Whakatū and Marlborough / Te Taihū-o-te-Waka. Estimated to < 500 mature individuals in Otago.
<i>Porzana tabuensis</i> <i>tabuensis</i> Gmelin, 1789	spotless crane	pūweto	Declining	A (1)		< 250	Decreasing : 10–30 %	Low	Low	CI, CR, DPR, DPS, DPT, SO	DPS, DPT, PF, SO	Checklist Committee: Name and Authority: <i>Zapornia tabuensis</i> <i>tabuensis</i> (Gmelin, 1789). IUCN: Name and Authority, and Threat Status: <i>Zapornia tabuensis</i> (Gmelin, 1789); Least Concern. NPS-IB: listed Specified Highly Mobile Fauna Widely if patchily distributed throughout Te Ika-a-Māui / North Island but rare on Te Waipounamu / South Island. A lack of survey data exists for distribution of the species in Otago.

Continued next page

Conservation status of birds in Otago

Regionally Critical continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Xenicus gilviventris rineyi</i> Falla, 1953	southern rock wren	piwauwau*	Nationally Endangered	B (1)	Yes	250–1000	Decreasing : 50–70 %	Medium	Low	CD, CI, CR, DPS, DPT, NStr	CI, CD, CR, DPS, DPT	Checklist Committee: Name and Authority, and Common Name: <i>Xenicus gilviventris</i> Von Pelzeln, 1867; Rock wren. IUCN: Name and Authority, and Threat Status: <i>Xenicus gilviventris</i> Pelzeln, 1867; Rock wren; Endangered. NPS-IB: listed Specified Highly Mobile Fauna Restricted to Te Waipounamu / South Island alpine and subalpine areas, from Nelson / Whakatū to western Southland / Murihiku. Mostly resident in subalpine fellfields, being most common in the region within the Southern Alps / Kā Tiritiri o te Moana, including Mt Aspiring National Park. Southern rock wren / piwauwau are less abundant and even more localised in the Eyre Mountains / Taka Ra Haka.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Endangered (6)

Criteria for Regionally Endangered:

A – small population (natural or unnatural) that has a low to high ongoing or predicted decline

A(1) 250–1000 mature individuals, predicted decline 10–50%

A(2) ≤ 5 subpopulations, ≤ 300 mature individuals in the largest subpopulation, predicted decline 10–50%

A(3) Total area of occupancy ≤ 10 ha (0.1 km²), predicted decline 10–50%

B – small stable population (unnatural)

B(1) 250–1000 mature individuals, stable population

B(2) ≤ 5 subpopulations, ≤ 300 mature individuals in the largest subpopulation, stable population

B(3) Total area of occupancy ≤ 10 ha (0.1 km²), stable population

C – moderate population and high ongoing or predicted decline

C(1) 1000–5000 mature individuals, predicted decline 50–70%

C(2) ≤ 15 subpopulations, ≤ 500 mature individuals in the largest subpopulation, predicted decline 50–70%

C(3) Total area of occupancy ≤ 100 ha (1 km²), predicted decline 50–70%

Table 1.3.2: Regionally Endangered bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023), it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
REGIONALLY ENDANGERED (6)												
<i>Taxonomically determinate (6)</i>												
<i>Chlidonias albobriatus</i> (G.R. Gray, 1845)	black-fronted tern	tarapirohe*	Nationally Endangered	C (1)		1000–5000	Decreasing : 50–70 %	Low	Medium	CI, DPS, DPT, RR	Sp, CI, CR, PD, RF	IUCN: Threat Status: Endangered. NPS-IB: listed Specified Highly Mobile Fauna
<i>Eudynamis taitensis</i> (Sparrman, 1787)	long-tailed cuckoo	koekoeā	Nationally Vulnerable	(1)		250–1000	Decreasing : 30–50 %	Low	ow	CI, CR, DPS, DPT	CI, CR, DPT	IUCN: Name and Authority, Common Name and Threat Status: <i>Urodynamis taitensis</i> (Sparrman, 1787); Long-tailed koel; Vulnerable Co-extinction possible due to regional declines of host species (mohua and brown creeper / pipipi).

Continued next page

Conservation status of birds in Otago

Regionally Endangered continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Gallirallus australis hectori</i> (Hutton, 1873)	buff weka	weka	Relict	B (1)		250–1000	Stable: ±10 %	High	High	CD, RN		IUCN: Name and Authority, Common Name and Threat Status: <i>Gallirallus australis</i> Sparrman, 1786; Weka; Vulnerable Formerly widespread in eastern low-rainfall areas from Marlborough / Te Taihū-o-te-Waka to Southland / Murihiku. Apparently died out on the mainland but remains abundant on Chatham Islands / Rēkohu / Wharekauri and Pitt Island / Rangihau / Rangiauria where they were introduced in 1905. Reintroduced to five islands in two lakes (Lake Wānaka and Lake Wakatipu / Whakatipu Waimāori) and a mainland site (Motatapu Valley) in Otago (Miskelly & Powlesland 2013). Reintroduced populations are still present on the islands and individuals were present in the Motatapu Valley in 2021. Although a recent study inferred only one subspecies of weka for each of the main island in Aotearoa New Zealand (Trewick et al. 2017), the NZTCS taxonomy is followed in regional conservation status assessments so multiple lineages on Te Waipounamu / South Island were assessed in this report.

Continued next page

Conservation status of birds in Otago

Regionally Endangered continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Nestor meridionalis meridionalis</i> (Gmelin, 1788)	South Island kaka	kākā	Nationally Vulnerable	A (1)		250–1000	Decreasing : 10–30 %	Low	Low	CD, DPS, DPT, PD	CD, CR, PD, RF	IUCN: Name and Authority, Common Name and Threat Status: <i>Nestor meridionalis</i> (Gmelin, 1788); New Zealand kaka; Vulnerable. NPS-IB: listed Specified Highly Mobile Fauna < 500 mature individuals, < 500 breeding. Partial decline qualifier, because of reintroduced population at Orokonui Ecosanctuary – Te Korowai o Mihiwaka. Data poor elsewhere in the region.
<i>Phalacrocorax carbo novaehollandiae</i> Stephens, 1826	black shag	kōau (Kāi Tahu)	Relict	B (1)		250–1000	Stable: ±10 %	Medium	Low	DPS, SO, Sp	Sp, CR, DPS, DPT, SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Phalacrocorax carbo</i> (Linnaeus, 1758); Great cormorant; Least Concern.
<i>Porzana pusilla affinis</i> (J.E. Gray, 1845)	marsh crane	kotoreke	Declining	A (1)		250–1000	Decreasing : 10–30 %	Low	Low	CI, CR, DPR, DPS, DPT, RR	CI, CR, DPS, DPT, PF, RR	IUCN: Name and Authority, Common Name and Threat Status: <i>Zapornia pusilla</i> (Pallas, 1776); Ballion's crane; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna Like nationally, there is a lack of survey data for distribution, and little is known of breeding ecology.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Vulnerable (17)

Criteria for Regionally Vulnerable:

A – small, increasing population (unnatural)

- A(1) 250–1000 mature individuals, predicted increase > 10%
- A(2) ≤ 5 subpopulations, ≤ 300 mature individuals in the largest subpopulation, predicted increase > 10%
- A(3) Total area of occupancy ≤ 10 ha (0.1 km²), predicted increase > 10%

B – moderate, stable population (unnatural)

- B(1) 1000–5000 mature individuals, stable population
- B(2) ≤ 15 subpopulations, ≤ 500 mature individuals in the largest subpopulation, stable population
- B(3) Total area of occupancy ≤ 100 ha (1 km²), stable population

C – moderate population, with population trend that is declining

- C(1) 1000–5000 mature individuals, predicted decline 10–50%
- C(2) ≤ 15 subpopulations, ≤ 500 mature individuals in the largest subpopulation, predicted decline 10–50%
- C(3) Total area of occupancy ≤ 100 ha (1 km²), predicted decline 10–50%

D – moderate to large population and moderate to high ongoing or predicted decline

- D(1) 5000–20,000 mature individuals, predicted decline 30–70%
- D(2) ≤ 15 subpopulations, ≤ 1000 mature individuals in the largest subpopulation, predicted decline 30–70%
- D(3) Total area of occupancy ≤ 1000 ha (10 km²), predicted decline 30–70%

E – large population and high ongoing or predicted decline

- E(1) 20,000–100,000 mature individuals, predicted decline 50–70%
- E(2) Total area of occupancy ≤ 10,000 ha (100 km²), predicted decline 50–70%

Table 1.3.3: Regionally Vulnerable bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023), it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Endemic	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
REGIONALLY VULNERABLE (17)													
<i>Taxonomically determinate (17)</i>													
<i>Charadrius bicinctus bicinctus</i> Jardine and Selby, 1827	banded dotterel	pohowera	Declining	B (1)			1000–5000	Stable: ±10 %	Low	Low	CD, CI, CR, DPS, DPT, S?O	CI, CD, CR, DPS, PD	IUCN: Name and Authority, Common Name and Threat Status: <i>Charadrius bicinctus</i> Jardine and Selby, 1827; Double banded plover; Near Threatened. NPS-IB: listed Specified Highly Mobile Fauna Breeding on mainland Aotearoa New Zealand, and some offshore and outlying islands. In Otago the main breeding concentrations are on braided rivers but can also be on the block mountains. Mainland birds often migrate several hundreds of kilometres, including to Australia. Birds that breed in lowland Te Waipounamu / South Island rivers generally move north to harbours and estuaries of the northern Te Ika-a-Māui / North Island. Others that breed at coastal lagoons and beaches may move only a few kilometres.

Continued next page

Conservation status of birds in Otago

Regionally Vulnerable continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Endemic	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Cyanoramphus auriceps</i> Kuhl, 1820	yellow-crowned parakeet	kākāriki	Declining	C (1)			1000–5000	Decreasing : 10–30 %	Medium	Low	CI, CR, DPS, DPT, EF	CI, CR, DPS, DPT, EF	IUCN: Common Name and Threat Status: yellow-fronted parakeet; Near Threatened.
<i>Falco novaeseelandiae novaeseelandiae</i> (Gmelin 1788)	eastern falcon	kārearea	Nationally Vulnerable	B (1)	Yes		1000–5000	Stable: ±10 %	Medium	Low	DPR, DPS, DPT, NStr	CR, DPS, DPT	Checklist Committee: Name and Authority, and Common Name: <i>Falco novaeseelandiae</i> (Gmelin 1788); New Zealand falcon IUCN: Name and Authority, Common Name and Threat Status: <i>Falco novaeseelandiae</i> (Gmelin 1788); New Zealand falcon; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna Difficult to distinguish forms if more than one was found in Otago.
<i>Haematopus finschi</i> Martens, 1897	South Island pied oystercatcher	tōrea	Declining	C (1)	Yes		1000–5000	Decreasing : 30–50 %	High	Medium	CD, CI, NStr	CI	IUCN: Common Name and Threat Status: South Island oystercatcher; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna
<i>Haematopus unicolor</i> J.R. Forster, 1844	variable oystercatcher	tōrea pango	Recovering	B (1)			1000–5000	Stable: ±10 %	Low	Low	CI, DPS, DPT	CI, Inc	IUCN: Threat Status: Least Concern. NPS-IB: listed Specified Highly Mobile Fauna
<i>Larus bulleri</i> Hutton, 1871	black-billed gull	tarāpuka	Declining	C (1)			1000–5000	Decreasing : 10–30 %	High	Medium	CI, CR	CI, CR, RF	Checklist Committee: Name and Authority: <i>Chroicocephalus bulleri</i> (Hutton, 1871). IUCN: Threat Status: Least Concern. NPS-IB: listed Specified Highly Mobile Fauna

Continued next page

Conservation status of birds in Otago

Regionally Vulnerable continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Endemic	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Leucocarbo chalconotus</i> G.R. Gray, 1845	Otago shag	matapo	Nationally Increasing	B (1)	Yes	Yes	1000–5000	Stable: ±10 %	Medium	High	CD, CI, DPR, NStr, RE, RR, TL	CI, CD	IUCN: Name and Authority, Common Name and Threat Status: <i>Leucocarbo chalconotus</i> (Gray, 1845). Stewart Island shag; Vulnerable Holocene fossil and archaeological midden assemblages indicate a former wider distribution across the eastern Te Waipounamu / South Island but following human arrival became restricted to rocky cliffs and islands off Otago. They have recently extended their range northwards and southwards, and now occur from the southern Catlins north to the Waitaki River. Using ancient DNA analyses, the Otago shag / matapo and Foveaux shag / mapo were taxonomically split in 2016 (Rawlence et al. 2016). Current genetic knowledge suggests the taxon is at risk from adverse genetic traits. Recent research since the national assessment suggests the species is not having a population increase > 10% but would have a stable count of ±10% between 2007 and 2021 (Parker & Rexer-Huber 2022). TL = Ōamaru

Continued next page

Conservation status of birds in Otago

Regionally Vulnerable continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Endemic	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Limosa lapponica baueri</i> Naumann, 1836	eastern bar-tailed godwit	kūaka	Declining	C (1)			1000–5000	Decreasing : 10–30 %	High	High	CI, RR, TO	CI, RR, TO	IUCN: Name and Authority, Common Name and Threat Status: <i>Limosa lapponica</i> (Linnaeus, 1758); Bar-tailed godwit; Near Threatened. NPS-IB: listed Specified Highly Mobile Fauna
<i>Mohoua ochrocephala</i> (Gmelin, 1789)	mohua / yellowhead	mohua	Declining	C (1)	Yes		1000–5000	Decreasing : 10–30 %	Medium	Medium	CD, CI, NStr, PF	CI, CD, CR, PD, PF, RR	IUCN: Common Name and Threat Status: yellowhead; Near Threatened.
<i>Ninox novaeseelandiae novaeseelandiae</i> Gmelin, 1788	ruru	ruru	Not Threatened	C (1)			1000–5000	Decreasing : 10–30 %	Low	Low	CR, DPS, DPT		IUCN: Name and Authority, Common Name and Threat Status: <i>Ninox novaeseelandiae</i> Gmelin, 1788. Morepork; Least Concern Widespread in Aotearoa New Zealand but sparingly distributed in eastern drier areas of Te Waipounamu / South Island, especially south of Ōtautahi / Christchurch including in Otago.
<i>Pachyptila turtur</i> (Kuhl, 1820)	fairy prion	titi wainui	Relict	B (1)			1000–5000	Stable: ±10 %	Medium	Medium	CI, RR, SO, TL	CD, RR, SO	IUCN: Threat Status: Least Concern. TL = Holotype. Accession number: LB11856

Continued next page

Conservation status of birds in Otago

Regionally Vulnerable continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Endemic	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Petroica australis australis</i> Sparrman, 1788	South Island robin	kakaruai	Declining	C (1)			1000–5000	Decreasing : 10–30 %	Low	Low	CD, DPS, DPT, PD, PF	CI, CD, DPT	IUCN: Name and Authority, and Threat Status: <i>Petroica australis</i> (Sparrman, 1788); Least Concern. NPS-IB: listed Specified Highly Mobile Fauna Disjunct distribution through Te Waipounamu / South Island. The Ōtepoti Dunedin populations are isolated from others.
<i>Phalacrocorax melanoleucos brevirostris</i> Gould, 1837	little shag	kawaupaka	Relict	B (1)			1000–5000	Stable: ±10 %	Medium	Low	DPS	CR, DPT	Checklist Committee: Name and Authority: <i>Microcarbo melanoleucos brevirostris</i> (Gould, 1837). IUCN: Name and Authority, Common Name and Threat Status: <i>Microcarbo melanoleucos</i> (Vieillot, 1817); Little pied cormorant; Least Concern.
<i>Podiceps cristatus australis</i> Gould, 1844	Australasian crested grebe	pūteketeki	Nationally Vulnerable	A (1)	Yes		250–1000	Increasing: >10 %	High	High	Inc, NStr, SO, TL	DPS, Inc, SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Podiceps cristatus</i> (Linnaeus, 1758); Great crested grebe; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna TL = Lake Wakatipu / Whakatipu Waimāori. Total counts of adults across water bodies in Otago have been increasing since 2004. Counts rose from a total of 96 in the 2004 census to 173 in 2014, and 384 adults were counted in 2024 (Walker et al. in prep).

Continued next page

Conservation status of birds in Otago

Regionally Vulnerable continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Endemic	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Puffinus griseus</i> (Gmelin, 1789)	sooty shearwater	titi	Declining	B (1)			1000–5000	Stable: ±10 %	Low	Low	CD, CI, DPS, DPT, SO	CI, CD, SO	Checklist Committee: Name and Authority: <i>Ardeanna grisea</i> (Gmelin, 1789). IUCN: Name and Authority, and Threat Status: <i>Ardeanna grisea</i> (Gmelin, 1789); Least Concern. Although a widely distributed seabird, only small breeding populations are now found in Otago, at multiple sites.
<i>Sterna striata</i> Gmelin, 1789	white-fronted tern	tara	Declining	B (1)			1000–5000	Stable: ±10 %	Low	Low	CI, CR, DPS, DPT	CI, CR, DPT	Checklist Committee: Name and Authority: <i>Sterna striata</i> (Gmelin, 1789). IUCN: Name and Authority, and Threat Status: <i>Sterna striata</i> Gmelin, 1789; Near Threatened. NPS-IB: listed Specified Highly Mobile Fauna.
<i>Stictocorax punctatus</i> (Sparrman, 1786)	spotted shag	kawau tikitiki	Nationally Vulnerable	C (1)			1000–5000	Decreasing : 10–30 %	Low	Low	CI, DPS, DPT	CI, CR	Checklist Committee: Name and Authority: <i>Phalacrocorax punctatus</i> (Sparrman, 1786). IUCN: Name and Authority, and Threat Status: <i>Phalacrocorax punctatus</i> Sparrman, 1786; Least Concern.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally At Risk (4)

Taxa that meet the criteria specified by Townsend et al. (2008) and Michel (2021) for the statuses Regionally Declining, Regionally Recovering, Regionally Relict or Regionally Naturally Uncommon.

Regionally Declining (3)

Criteria for Regionally Declining:

A – moderate to large population and low ongoing or forecast decline of 10–30%

A(1) 5000–20,000 mature individuals

A(2) Total area of occupancy $\leq$ 1000 ha (10 km²)

B – large population and low to moderate ongoing or forecast decline of 10–50%

B(1) 20,000–100,000 mature individuals

B(2) Total area of occupancy $\leq$ 10,000 ha (100 km²)

C – very large population and low to high ongoing or forecast decline of 10–70%

C(1) > 100 000 mature individuals

C(2) Total area of occupancy > 10,000 ha (100 km²)

Table 1.4.1: Regionally Declining bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023), it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
REGIONALLY DECLINING (3)											
<i>Taxonomically determinate (3)</i>											
<i>Bowdleria punctata punctata</i> Quoy & Gaimard, 1830	South Island fernbird	mātātā	Declining	A (1)	5000–20000	Decreasing: 10–30 %	Low	Low	DPS, DPT	CI, DPS, DPT	Checklist Committee: Name and Authority: <i>Poodytes punctatus punctatus</i> (Quoy & Gaimard, 1830) IUCN: Name and Authority, Common Name and Threat Status: <i>Poodytes punctatus</i> (Quoy & Gaimard, 1830); New Zealand fernbird; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna
<i>Mohoua novaeseelandiae</i> (Gmelin, 1789)	brown creeper	pipipi	Not Threatened	A (1)	5000–20000	Decreasing: 10–30 %	Medium	Low	CR, DPS, DPT, PD		IUCN: Common Name and Threat Status: Pipipi; Least Concern. Found on Te Waipounamu / South Island and Rakiura / Stewart Island, persisting at sites that appear isolated from main populations (e.g., Naseby and the Maniototo plains, hills around Tāhuna Queenstown, Pigeon Island / Wawahi Waka, Central Otago, and coastal Otago centred on Ōtepoti Dunedin). In Otago, possible cryptic decline based on abundance where mammalian predator control or elimination occurs. As the primary host for the long-tailed cuckoo / koekoeā on Waipounamu / South Island and Rakiura / Stewart Island, research could investigate the impact of decline on the parasitic cuckoos. The Partial Decline qualifier is due to Orokonui Ecosanctuary – Te Korowai o Mihiwaka, where introduced mammals have been eliminated except for the house mouse (<i>Mus musculus</i>).
<i>Zosterops lateralis lateralis</i> Latham, 1802	silveryeye	tauhou	Not Threatened	B (1)	20000–100000	Decreasing: 10–30 %	Medium	Low	CR, DPS, SO	SO	IUCN: Name and Authority, and Threat Status: <i>Zosterops lateralis</i> (Latham, 1801); Least Concern. NZ Garden Bird Survey shows a shallow decline regionally for the 10-year period from 2013–2023 and a moderate decline regionally for the 5-year period from 2018–2023, respectively, steeper than other parts of the country showing a decline. Additionally, disease events have occurred in Otago, hence the Conservation Research qualifier selected with this being a possible explanation for the decline.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? =

Conservation status of birds in Otago

Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Recovering (1)

Criteria for Regionally Recovering:

Taxa that have undergone a documented decline within the last 1000 years to a population size of 5000–20,000 mature individuals or a total area of occupancy of ≤ 1000 ha (10 km^2) and now have an ongoing or predicted increase of $> 10\%$ in the total population or area of occupancy, taken over the next 10 years or three generations, whichever is longer. Taxa that are increasing but have a population size of < 5000 mature individuals (or total area of occupancy of < 100 ha) are listed in one of the Threatened categories, depending on their population size [for more details, see the description of Nationally Increasing above and Townsend et al. (2008)].

Table 1.4.2: Regionally Recovering bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023), it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Criteria	National Stronghold	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
REGIONALLY RECOVERING (1)												
<i>Taxonomically determinate (1)</i>												
<i>Larus novaehollandiae scopulinus</i> J. R. Forster, 1843	red-billed gull	tarāpunga	Declining		Yes	5000–20000	Increasing: $>10\%$	High	High	CI, NStr	CI	Checklist Committee: Name and Authority: <i>Chroicocephalus novaehollandiae scopulinus</i> (J.R. Forster, 1843) IUCN: Name and Authority, Common Name and Threat Status: <i>Larus novaehollandiae</i> Stephens, 1826; Silver gull; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna. Mammalian predator control on the Otago Peninsula / Māui-poko since the 1990s has seen the population increase.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Non-resident Native (139)

Taxa whose natural presence in Otago is either discontinuous (Regional Migrant) or sporadic or temporary (Regional Vagrant) or which have succeeded in recently (since 1950) establishing a resident breeding population (Regional Coloniser).

Regional Migrant (37)

Criteria for Regional Migrant:

Taxa that predictably and cyclically visit Otago as part of their normal life cycle (a minimum of 15 individuals known or presumed to visit per year), but do not breed here.

Table 1.5.1: Regional Migrant bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023) it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
REGIONAL MIGRANT (37)						
<i>Taxonomically determinate (37)</i>						
<i>Ardea modesta</i> J.E. Gray, 1831	white heron	kōtuku	Nationally Critical		CR, OL, SO, St	Checklist Committee: Name and Authority: <i>Ardea alba modesta</i> J.E. Gray, 1831 IUCN: Name and Authority, Common Name and Threat Status: <i>Ardea alba</i> Linnaeus, 1758; Great white egret; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna.
<i>Catharacta antarctica lonnbergi</i> Mathews, 1912	subantarctic skua	hākoako	Nationally Vulnerable		Sp, CD	Checklist Committee: Name and Authority: <i>Stercorarius antarctica lonnbergi</i> Mathews, 1912 IUCN: Name and Authority, Common Name and Threat Status: <i>Catharacta antarctica</i> (Lesson, 1831); Brown skua; Least Concern
<i>Daption capense australe</i> , Mathews, 1913	Snares Cape petrel	karetai hurukoko*	Naturally Uncommon		CI, CD, CR, DPT, RR	IUCN: Name and Authority, Common Name and Threat Status: <i>Daption capense</i> (Linnaeus, 1758); Cape petrel; Least Concern.
<i>Daption capense capense</i> (Linnaeus, 1758)	Antarctic cape petrel	karetai hurukoko*	Migrant		SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Daption capense</i> (Linnaeus, 1758); Cape petrel; Least Concern.
<i>Diomedea antipodensis antipodensis</i> Robertson & Warham, 1992	Antipodean wandering albatross	toroa	Nationally Critical		CI, CD, CR, IE, RR	IUCN: Name and Authority, Common Name and Threat Status: <i>Diomedea exulans</i> Linnaeus, 1758; Wandering albatross; Vulnerable.
<i>Diomedea antipodensis gibsoni</i> Robertson & Warham 1992	Gibson's wandering albatross	toroa	Nationally Critical		CI, CD, CR, IE, OL	IUCN: Name and Authority, Common Name and Threat Status: <i>Diomedea exulans</i> Linnaeus, 1758; Wandering albatross; Vulnerable.
<i>Diomedea epomophora</i> Lesson, 1825	southern royal albatross	toroa	Nationally Vulnerable		CI, CD, CR, DPT, RR	IUCN: Threat Status: Vulnerable

Conservation status of birds in Otago

Continued next page

Regionally Migrant continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Eudyptes pachyrhynchus</i> G.R. Gray, 1845	Fiordland crested penguin	tawaki	Declining	TL	Sp	IUCN: Common Name and Threat Status: Fiordland penguin; Near Threatened. TL = Waikouaiti Although Fiordland crested penguin / tawaki now breed mainly in South Westland, many sites in Te Rua-o-Te-Moko / Fiordland, Hautere / Solander Island, Whenua Hou / Codfish Island and Rakiura / Stewart Island and outliers, historic accounts and fossil records suggest breeding was more widespread in the past, including in Otago.
<i>Fregetta tropica</i> (Gould, 1844)	black-bellied storm petrel	takahikare-rangi	Not Threatened		CD, DPS, DPT, De, RR	IUCN: Threat Status: Least Concern.
<i>Fulmarus glacialis</i> A. Smith, 1826	Antarctic fulmar		Migrant		SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Fulmarus glacialis</i> (Smith, 1840); Southern fulmar; Least Concern
<i>Garrodia nereis</i> (Gould, 1841)	grey-backed storm petrel	reoreo*	Relict		CD, RR, SO	IUCN: Threat Status: Least Concern.
<i>Hydroprogne caspia</i> (Pallas, 1770)	Caspian tern	taranui	Nationally Vulnerable		Sp, CI, SO	IUCN: Threat Status: Least Concern. NPS-IB: listed Specified Highly Mobile Fauna.
<i>Macronectes giganteus</i> (Gmelin, 1789)	southern giant petrel	pāngurunguru*	Migrant		SO	IUCN: Threat Status: Least Concern.
<i>Macronectes halli</i> Mathews, 1912	northern giant petrel	pāngurunguru	Recovering		Inc, RR, SO	IUCN: Threat Status: Least Concern.
<i>Morus serrator</i> G.R. Gray, 1843	Australasian gannet	tākapu	Not Threatened		CI, De, Inc, SO	IUCN: Threat Status: Least Concern.
<i>Oceanites oceanicus exasperatus</i> Mathews, 1912	Wilson's storm petrel		Migrant		SO	IUCN: Name and Authority, and Threat Status: <i>Oceanites oceanicus</i> (Kuhl, 1820); Least Concern.
<i>Pachyptila vittata</i> Forster, G., 1777	broad-billed prion	pararā	Relict		CD, RR, SO	IUCN: Name and Authority, and Threat Status: <i>Pachyptila vittata</i> (Forster, 1777); Least Concern.
<i>Pelagodroma marina maoriana</i> Mathews, 1912	New Zealand white-faced storm petrel	takahikare	Relict		CD, RR	
<i>Pelecanoides urinatrix chathamensis</i> Murphy and Harper, 1916	southern diving petrel	kuaka*	Relict		CD, RR	IUCN: Name and Authority, Common Name and Threat Status: <i>Pelecanoides urinatrix</i> (Gmelin, 1789); Common diving petrel; Least Concern.
<i>Phalacrocorax varius varius</i> Gmelin, 1789	pieb shag	kāruhiruhi	Recovering	CI	CD	IUCN: Name and Authority, Common Name and Threat Status: <i>Phalacrocorax varius</i> Gmelin, 1789; Great pied cormorant; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna. Mainly a coastal breeding distribution, occurring in three separate areas of Aotearoa New Zealand. Northern Te Ika-a-Māui / North Island; Central Aotearoa New Zealand; and Southern Te Waipounamu / South Island: Te Rua-o-Te-Moko / Fiordland and Rakiura / Stewart Island. While increasingly seen in Otago after having been extirpated in the region, breeding has not yet been confirmed.
<i>Procellaria aequinoctialis</i> Linnaeus, 1758	white-chinned petrel	karetai kauae mā	Not Threatened		CD, De, RR, TO	IUCN: Threat Status: Vulnerable.
<i>Procellaria cinerea</i> Gmelin, 1789	grey petrel	kuia	Relict		CD, CR, DPT, RR, SO	IUCN: Threat Status: Near Threatened.
<i>Procellaria westlandica</i> Falla, 1946	Westland petrel	tāiko	Naturally Uncommon		CD, CR, OL, St	IUCN: Threat Status: Endangered
<i>Pterodroma cookii</i> (G.R. Gray, 1843)	northern Cook's petrel	titi	Relict		CD, Inc, RR	Checklist Committee: Name and Authority: <i>Pterodroma cookii cookii</i> (G.R. Gray, 1843) IUCN: Common Name and Threat Status: Cook's petrel; Vulnerable.

Continued next page

Conservation status of birds in Otago

Regionally Migrant continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Pterodroma gouldi</i> (Hutton, 1869)	grey-faced petrel	ōi	Not Threatened		De, Inc, RR	IUCN: Threat Status: Least Concern.
<i>Pterodroma inexpectata</i> (J.R. Forster, 1844)	mottled petrel	kōrue	Relict		CD, Inc, RR	IUCN: Name and Authority, and Threat Status: <i>Pterodroma inexpectata</i> (Forster, 1844). Near Threatened
<i>Pterodroma lessonii</i> (Garnot, 1826)	white-headed petrel		Not Threatened		CD, De, RR, SO DPS	IUCN: Threat Status: Least Concern. Annual visitor to mainland Aotearoa New Zealand waters, with just over 15 entering Otago's Coastal Marine Area each year..
<i>Puffinus bulleri</i> Salvin, 1888	Buller's shearwater	rako	Declining		CD, CR, DPT, OL, St	Checklist Committee: Name and Authority: <i>Ardenna bulleri</i> (Salvin, 1888) IUCN: Name and Authority, and Threat Status: <i>Ardenna bulleri</i> (Salvin, 1888); Vulnerable.
<i>Puffinus gavia</i> J.R. Forster, 1844	fluttering shearwater	pakahā	Relict		CD, RR	IUCN: Name and Authority, and Threat Status: <i>Puffinus gavia</i> (Forster, 1844); Least Concern.
<i>Puffinus huttoni</i> Mathews, 1912	Hutton's shearwater	Kaikōura titi	Nationally Vulnerable		CI, CD, OL	IUCN: Name and Authority, Common Name and Threat Status: Least Concern.
<i>Puffinus tenuirostris</i> Temminck, 1836	short-tailed shearwater		Migrant		SO	Checklist Committee: Name and Authority: <i>Ardenna tenuirostris</i> (Temminck, 1836) IUCN: Name and Authority, and Threat Status: <i>Ardenna tenuirostris</i> (Temminck, 1836). Least Concern
<i>Stercorarius parasiticus</i> (Linnaeus, 1758)	Arctic skua		Migrant		SO	IUCN: Common Name and Threat Status: Arctic jaeger; Least Concern.
<i>Thalassarche bulleri bulleri</i> Rothschild, 1888	southern Buller's mollymawk	toroa	Declining		CD, CR, RR	Checklist Committee: Common Name: southern Buller's albatross IUCN: Name and Authority, Common Name and Threat Status: <i>Thalassarche bulleri</i> (Rothschild, 1893); Buller's albatross; Near Threatened.
<i>Thalassarche cauta steadi</i> Falla, 1933	New Zealand white-capped mollymawk	toroa	Declining		CI, CD, CR, EF, RR	Checklist Committee: Common Name: New Zealand white-capped albatross IUCN: Name and Authority, Common Name and Threat Status: <i>Thalassarche steadi</i> Falla, 1933; White-capped albatross; Near Threatened.
<i>Thalassarche impavida</i> Mathews, 1912	Campbell Island mollymawk	toroa	Naturally Uncommon		CI, CD, IE, OL	Checklist Committee: Common Name: Campbell Island black-browed albatross IUCN: Common Name and Threat Status: Campbell albatross; Vulnerable.
<i>Thalassarche melanophris</i> (Temminck, 1828)	black-browed mollymawk	toroa*	Coloniser		TO	Checklist Committee: Common Name: black-browed albatross IUCN: Common Name and Threat Status: black-browed albatross; Least Concern.
<i>Thalassarche salvini</i> Rothschild, 1878	Salvin's mollymawk	toroa	Nationally Critical		CI, CD, CR, RR	Checklist Committee: Common Name: Salvin's albatross IUCN: Name and Authority, Common Name and Threat Status: <i>Thalassarche salvini</i> (Rothschild, 1893); Salvin's albatross; Vulnerable.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regional Vagrant (100)

Criteria for Regional Vagrant:

Taxa that are found unexpectedly in Otago and whose presence in this region is naturally transitory, or migratory species with fewer than 15 individuals known or presumed to visit per year.

Table 1.5.2: Regional Vagrant bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023) it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
REGIONAL VAGRANT (100)						
<i>Taxonomically determinate (100)</i>						
<i>Anas castanea</i> (Eyton, 1838)	chestnut teal		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Anas clypeata</i> Linnaeus, 1758	northern shoveler		Vagrant		SO	Checklist Committee: Name and Authority: <i>Spatula clypeata</i> (Linnaeus, 1758). IUCN: Name and Authority, and Threat Status: <i>Spatula clypeata</i> (Linnaeus, 1758); Least Concern.
<i>Anous minutus</i> Boie, 1844	white-capped noddy		Nationally Vulnerable		CD, RR, SO	Checklist Committee: Name and Authority, and Common Name: <i>Anous minutus minutus</i> Boie, 1844; black noddy IUCN: Threat Status: Least Concern Recorded Taieri Mouth, April 1977 (Powlesland 1989; Higgins & Davies 1996)
<i>Aptenodytes patagonicus</i> J.F. Miller, 1778	king penguin	tokoraki	Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Aptenodytes patagonicus</i> Miller, 1778; Least Concern.
<i>Ardea ibis coromanda</i> Boddaert, 1783	eastern cattle egret		Migrant		SO	Checklist Committee: Name and Authority: <i>Bubulcus ibis coromandus</i> (Boddaert, 1783) IUCN: Name and Authority, Common Name and Threat Status: <i>Bubulcus ibis</i> (Linnaeus, 1758); cattle egret Least Concern.
<i>Ardea intermedia plumifera</i> Wagler, 1829	plumed intermediate egret		Vagrant		SO	Checklist Committee: Common Name: plumed egret IUCN: Name and Authority, Common Name and Threat Status: <i>Ardea plumifera</i> (Gould, 1848); plumed egret; Least Concern.
<i>Ardea pacifica</i> Latham, 1802	white-necked heron		Vagrant		SO	Checklist Committee: Common Name: Pacific heron IUCN: Name and Authority, and Threat Status: <i>Ardea pacifica</i> Latham, 1801; Least Concern.
<i>Arenaria interpres</i> (Linnaeus, 1758)	ruddy turnstone		Migrant		SO	IUCN: Threat Status: Least Concern.
<i>Artamus personatus</i> (Gould, 1841)	masked woodswallow		Vagrant		SO	IUCN: Threat Status: Least Concern.

Continued next page

Conservation status of birds in Otago

Regional Vagrant continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Artamus superciliosus</i> (Gould, 1837)	white-browed woodswallow		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Aythya australis</i> (Eyton, 1838)	Australian white-eyed duck	karakahia	Vagrant		SO	IUCN: Common Name and Threat Status: hardhead. Least Concern.
<i>Cacomantis flabelliformis flabelliformis</i> Latham, 1802	fan-tailed cuckoo		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Cacomantis flabelliformis</i> Latham, 1801; Least Concern.
<i>Calidris acuminata</i> (Horsfield, 1821)	sharp-tailed sandpiper	kohutapu	Migrant		SO	IUCN: Threat Status: Vulnerable
<i>Calidris canutus rogersi</i> Mathews, 1913	lesser knot	huahou*	Declining		CI, TO	Checklist Committee: Common Name: red knot IUCN: Name and Authority, Common Name and Threat Status: <i>Calidris canutus</i> (Linnaeus, 1758); red knot; Near Threatened. NPS-IB: listed Specified Highly Mobile Fauna.
<i>Calidris ferruginea</i> (Pontoppidan, 1763)	curlew sandpiper		Vagrant		SO	IUCN: Threat Status: Near Threatened.
<i>Calidris melanotos</i> (Vieillot, 1819)	pectoral sandpiper		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Calidris ruficollis</i> (Pallas, 1776)	red-necked stint		Migrant		SO	IUCN: Threat Status: Near Threatened.
<i>Catharacta maccormicki</i> (Saunders, 1893)	Antarctic skua		Migrant		SO	Checklist Committee: Name and Authority, and Common Name: <i>Stercorarius maccormicki</i> Saunders, 1893; south polar skua IUCN: Common Name and Threat Status: south polar skua; Least Concern.
<i>Charadrius leschenaultii leschenaultii</i> Lesson, 1826	greater sand plover		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Charadrius leschenaultii</i> Lesson, 1826. Greater sandplover. Least Concern.
<i>Charadrius mongolus</i> Pallas, 1776	Mongolian dotterel		Vagrant		SO	Checklist Committee: Common Name: lesser sand plover IUCN: Common Name and Threat Status: Siberian sandplover; Endangered.
<i>Charadrius obscurus obscurus</i> Gmelin, 1789	southern New Zealand dotterel	pukunui**	Nationally Critical	FR	CD, DPT, EF, OL	IUCN: Name and Authority, Common Name and Threat Status: <i>Charadrius obscurus</i> Gmelin, 1789; southern red-breasted plover; critically Endangered. NPS-IB: listed Specified Highly Mobile Fauna. Extirpated from Te Waipounamu / South Island by about 1900 following introduction of mustelids. Breeding range now confined to Rakiura / Stewart Island, with taxon being conservation dependent.
<i>Charadrius ruficapillus</i> Temminck, 1821	red-capped dotterel		Vagrant		SO	Checklist Committee: Common Name: red-capped plover IUCN: Name and Authority, Common Name and Threat Status: <i>Charadrius ruficapillus</i> Temminck, 1822; red-capped plover; Least Concern.
<i>Chenonetta jubata</i> Latham, 1802	Australian wood duck		Coloniser		SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Chenonetta jubata</i> (Latham, 1801); maned duck; Least Concern.
<i>Chlidonias hybridus javanicus</i> Horsfield, 1821	whiskered tern		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Chlidonias hybridus</i> (Pallas, 1811); Least Concern.
<i>Chlidonias leucopterus</i> (Temminck, 1815)	white-winged black tern		Migrant		SO	IUCN: Common Name and Threat Status: white-winged tern. Least Concern.
<i>Coprotheres pomarinus</i> (Temminck, 1815)	pomarine skua		Migrant		SO	Checklist Committee: Name and Authority: <i>Stercorarius pomarinus</i> (Temminck, 1815). IUCN: Common Name and Threat Status: pomarine jaeger; Least Concern.
<i>Coracina novaehollandiae</i> (Gmelin, 1789)	black-faced cuckoo-shrike		Vagrant		SO	IUCN: Common Name and Threat Status: black-faced cuckooshrike. Least Concern.
<i>Cuculus optatus</i> Gould, 1845	oriental cuckoo		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Cuculus pallidus</i> (Latham, 1801)	pallid cuckoo		Vagrant		SO	Checklist Committee: Name and Authority: <i>Cacomantis pallidus</i> (Latham, 1802). IUCN: Threat Status: Least Concern.

Continued next page

Conservation status of birds in Otago

Regional Vagrant continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Dacelo novaeguineae</i> Hermann, 1783	laughing kookaburra		Introduced and Naturalised		RR, SO	Checklist Committee: Name and Authority: <i>Dacelo novaeguineae</i> Hermann, 1783. IUCN: Name and Authority, and Threat Status: <i>Dacelo novaeguineae</i> Hermann, 1783; Least Concern. Introduced in Otago between the 1860s and 1880, but a population never established. Sightings of single birds have subsequently been recorded in Otago, either from naturalised Northland population or possibly from Australia, being regarded as vagrants (Heather & Robertson 2015). Included as Regionally Vagrant in Otago due to uncertainty of where individuals in the region came from
<i>Dendrocygna eytoni</i> Eyton, 1838	plumed whistling duck		Vagrant		SO	IUCN: Name and Authority, and Threat Status: (<i>Dendrocygna eytoni</i> Eyton, 1838); Least Concern.
<i>Diomedea exulans</i> Linnaeus, 1758	wandering albatross	toroa	Migrant		TO	IUCN: Threat Status: Vulnerable.
<i>Egretta garzetta immaculata</i> Linnaeus, 1766	little egret		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Egretta garzetta</i> (Linnaeus, 1766). Least Concern.
<i>Egretta sacra sacra</i> Gmelin, 1789	reef heron	matuku moana	Nationally Endangered		Sp, CI, CR, DPT, SO	IUCN: Common Name and Threat Status: <i>Egretta sacra</i> (Gmelin, 1789). Pacific reef-egret. NPS-IB: listed Specified Highly Mobile Fauna. Possibly breeding but not confirmed.
<i>Elsyornis melanops</i> (Vieillot, 1818)	black-fronted dotterel		Naturally Uncommon		SO, Sp	IUCN: Threat Status: Least Concern.
<i>Eudyptes chrysocome</i> J.R. Forster, 1781	western rockhopper penguin	tawaki piki toka*	Vagrant		TO	IUCN: Name and Authority, Common Name and Threat Status: <i>Eudyptes chrysocome</i> (Forster, 1781); southern rockhopper penguin; Vulnerable.
<i>Eudyptes filholi</i> Hutton, 1879	eastern rockhopper penguin	tawaki piki toka	Nationally Vulnerable		CI, CD, CR, DPT, RR, TO	IUCN: Name and Authority, Common Name and Threat Status: <i>Eudyptes chrysocome</i> (Forster, 1781); southern rockhopper penguin; Vulnerable. 1 or 2 individuals most years.
<i>Eudyptes robustus</i> Oliver, 1953	Snares crested penguin	pokotiwha	Naturally Uncommon		CD, IE, OL	IUCN: Threat Status: Vulnerable. Up to 5 individuals each year.
<i>Eudyptes schlegeli</i> Finsch, 1876	royal penguin		Vagrant		TO	IUCN: Threat Status: Least Concern. 1 or 2 individuals most years.
<i>Eudyptes sclateri</i> Buller, 1888	erect-crested penguin	tawaki nana hi	Declining		CI, CD, CR, PD, RR	IUCN: Threat Status: Endangered. Up to 10 individuals each year.
<i>Eurystomus orientalis pacificus</i> (Latham, 1802)	dollarbird		Vagrant		SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Eurystomus orientalis</i> (Latham, 1766); oriental dollarbird; Least Concern.
<i>Falco cenchroides cenchroides</i> Vigors & Horsfield, 1827	Nankeen kestrel		Vagrant		SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Falco cenchroides</i> Vigors & Horsfield, 1827; Nankeen kestrel; Least Concern.
<i>Fregata ariel ariel</i> G.R. Gray, 1845	lesser frigatebird		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Fregata ariel</i> (Gray, 1845); Least Concern.
<i>Fregetta grallaria grallaria</i> Vieillot, 1818	white-bellied storm petrel		Nationally Endangered			IUCN: Name and Authority, and Threat Status: <i>Fregetta grallaria</i> (Vieillot, 1817); Least Concern
<i>Gallinago hardwickii</i> J.E Gray, 1831	Japanese snipe		Vagrant		SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Gallinago hardwickii</i> (Gray, 1831); Latham's snipe; Least Concern.
<i>Gallinula chloropus</i> Linnaeus, 1758	common moorhen		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Gallinula tenebrosa</i> (Linnaeus, 1758); Least Concern.
<i>Gallinula tenebrosa</i> Gould, 1846	dusky moorhen		Vagrant		SO	IUCN: Threat Status: Least Concern.

Continued next page

Conservation status of birds in Otago

Regional Vagrant continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Gygis alba candida</i> Gmelin, 1789	Pacific white tern		Nationally Critical		CD, CR, OL, SO	Checklist Committee: Common name: white tern. IUCN: Name and Authority, Common Name and Threat Status: <i>Gygis candida</i> (Gmelin, JF, 1789); common white tern; Least Concern. Record from Ettrick, Otago, March 1945
<i>Halobaena caerulea</i> (Gmelin, 1789)	blue petrel		Migrant		SO	IUCN: Threat Status: Least Concern.
<i>Himantopus novaeseelandiae</i> Gould, 1841	black stilt	kakī	Nationally Critical	FR	CD, CR, RR	IUCN: Threat Status: Critically Endangered. NPS-IB: listed Specified Highly Mobile Fauna. Formerly widespread throughout Aotearoa New Zealand. During the 20 th century the range contracted confined to Waitaha / Canterbury and Otago in the 1950s, South Canterbury-North Otago by the 1970s, and the Mackenzie Basin / Te Manahuna by the 1980s. Breeding pairs are now confined to the area between the Lake Tekapo and Lake Pukaki basins in the north to the Ahuriri River in the south. Outside the breeding season most black stilt / kakī move locally within the Mackenzie Basin / Te Manahuna, but < 10 individuals visit Otago each year.
<i>Hirundapus caudacutus</i> Latham, 1802	white-throated needletail		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Hirundapus caudacutus</i> (Latham, 1802). Least Concern.
<i>Lalage tricolor</i> Swainson, 1825	white-winged triller		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Lalage tricolor</i> (Swainson, 1825). Least Concern.
<i>Larus pipixcan</i> Wagler, 1831	Franklin's gull		Vagrant		SO	Checklist Committee: Name and Authority: <i>Leucophaeus pipixcan</i> (Wagler, 1831). IUCN: Threat Status: Least Concern.
<i>Limosa haemastica</i> (Linnaeus, 1758)	American black-tailed (Hudsonian) godwit		Vagrant		SO	Committee Checklist: Common Name: Hudsonian godwit. IUCN: Common Name and Threat Status: Hudsonian godwit; Least Concern.
<i>Lugensa brevirostris</i> (Lesson, 1833)	Kerguelen petrel		Migrant		SO	IUCN: Threat Status: Least Concern.
<i>Milvus migrans</i> (Boddaert, 1783)	black kite		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Numenius madagascariensis</i> Linnaeus, 1766	eastern curlew		Vagrant		TO	IUCN: Name and Authority, Common Name and Threat Status: <i>Numenius madagascariensis</i> (Linnaeus, 1766); far eastern curlew; Endangered.
<i>Numenius phaeopus variegatus</i> (Scopoli, 1786)	Asiatic whimbrel		Migrant		SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Numenius phaeopus</i> (Linnaeus, 1758); whimbrel; Least Concern.
<i>Nycticorax caledonicus australasiae</i> Gmelin, 1789	Nankeen night heron	umu kōtuku	Coloniser		DPS, DPT, OL, SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Nycticorax caledonicus</i> (Gmelin, 1789); Rufous night-heron; Least Concern.
<i>Oceanodroma leucorhoa</i> Vieillot, 1818	Leach's storm petrel		Vagrant		SO	Checklist Committee: Name and Authority: <i>Hydrobates leucorhoa leucorhoa</i> (Vieillot, 1818). IUCN: Name and Authority, and Threat Status: <i>Oceanodroma leucorhoa</i> (Vieillot, 1818); Vulnerable
<i>Pachyptila belcheri</i> (Mathews, 1912)	thin-billed prion	korotangi	Migrant		SO	IUCN: Common Name and Threat Status: slender-billed prion. Least Concern.
<i>Pachyptila desolata</i> Gmelin, 1789	Antarctic prion	totorore	Relict		CD, CR, DPS, DPT, RR, SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Pachyptila desolata</i> (Gmelin, 1789); Least Concern.
<i>Pachyptila salvini</i> Mathews, 1912	Salvin's prion		Migrant		SO	IUCN: Threat Status: Least Concern.
<i>Petrochelidon ariel</i> (Gould, 1843)	fairy martin		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Petrochelidon nigricans</i> (Vieillot, 1817)	tree martin		Vagrant		SO	IUCN: Threat Status: Least Concern.

Continued next page

Conservation status of birds in Otago

Regional Vagrant continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Phalacrocorax sulcirostris</i> (Brandt, 1837)	little black shag	kawau tui	Naturally Uncommon		RR	IUCN: Common Name and Threat Status: little black cormorant; Least Concern.
<i>Phalaropus fulicarius</i> (Linnaeus, 1758)	grey phalarope		Vagrant		SO	IUCN: Common Name and Threat Status: red phalarope; Least Concern.
<i>Phoebastria palpebrata</i> J.R. Forster, 1785	light-mantled sooty albatross	toroa pango	Nationally Vulnerable		CI, CD, CR, DPS, DPT, RR, TO	IUCN: Name and Authority, Common Name and Threat Status: <i>Phoebastria palpebrata</i> (Forster, 1785); light-mantled albatross; Near Threatened. Annual visitor to mainland Aotearoa New Zealand waters, but few enter Otago's Coastal Marine Area. A sighting near Taiaroa Head / Pukekura was on December 16, 2016.
<i>Plegadis falcinellus</i> (Linnaeus, 1766)	glossy ibis		Coloniser		OL, SO	IUCN: Threat Status: Least Concern.
<i>Pluvialis fulva</i> (Gmelin, 1789)	Pacific golden plover	kuriri*	Migrant		SO	IUCN: Threat Status: Least Concern.
<i>Pluvialis squatarola</i> (Linnaeus, 1758)	grey plover		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Procellaria parkinsoni</i> G.R. Gray, 1862	black petrel	tāiko	Nationally Vulnerable		CI, CD, CR, RR	IUCN: Threat Status: Vulnerable While hard to distinguish at sea from the similar-looking Westland petrel / tāiko, it could visit Otago waters. A sighting off Taiaroa Head / Pukekura in October 2023 was regarded as 'probable' by the Birds New Zealand Records Appraisal Committee
<i>Pterodroma externa</i> (Salvin, 1875)	Juan Fernandez petrel		Vagrant		TO	IUCN: Threat Status: Vulnerable.
<i>Pterodroma leucoptera caledonica</i> Imber & Jenkins, 1981	New Caledonian petrel		Migrant		TO	IUCN: Name and Authority, Common Name and Threat Status: <i>Pterodroma leucoptera</i> (Gould, 1844); white-winged petrel; Vulnerable
<i>Pterodroma mollis</i> (Gould, 1844)	soft-plumaged petrel		Naturally Uncommon		CI, CD, CR, DPT, Inc, OL, SO	IUCN: Threat Status: Least Concern. Annual visitor to mainland Aotearoa New Zealand waters, but few enter Otago's Coastal Marine Area.
<i>Puffinus carneipes</i> Gould, 1844	flesh-footed shearwater	toanui	Relict		CD, Inc, RR, S?O	Checklist Committee: Name and Authority: <i>Ardenna carneipes</i> (Gould, 1844). IUCN: Name and Authority, and Threat Status: <i>Ardenna carneipes</i> (Gould, 1844); Near Threatened.
<i>Puffinus elegans</i> Giglioli & Salvadori, 1869	Subantarctic little shearwater		Naturally Uncommon		CD, CR, DPT, RR	IUCN: Threat Status: Least Concern. Annual visitor to mainland Aotearoa New Zealand waters, but few enter Otago's Coastal Marine Area.
<i>Puffinus gravis</i> O'Reilly, 1818	great shearwater		Vagrant		SO	Checklist Committee: Name and Authority: <i>Ardenna gravis</i> (O'Reilly, 1818) IUCN: Name and Authority, and Threat Status: <i>Ardenna gravis</i> (O'Reilly, 1818); Least Concern
<i>Pygoscelis adeliae</i> (Hombron & Jacquinot, 1841)	Adelie penguin		Vagrant		SO	IUCN: Threat Status: Least Concern First Otago record was a bird on St Clair Beach, January 2024.
<i>Pygoscelis antarcticus</i> J.R. Forster, 1781	chinstrap penguin		Vagrant		SO	IUCN: Name and Authority, and Threat Status: <i>Pygoscelis antarcticus</i> (Forster, 1781); Least Concern
<i>Pygoscelis papua</i> J.R. Forster, 1781	gentoo penguin		Vagrant		SO	Checklist Committee: Name and Authority, and Common Name: <i>Pygoscelis papua taeniata</i> (Peale, 1848); eastern gentoo penguin IUCN: Name and Authority, and Threat Status: <i>Pygoscelis papua</i> (Forster, 1781); Least Concern
<i>Recurvirostra novaehollandiae</i> Vieillot, 1816	red-necked avocet	piwari	Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Stercorarius longicaudus</i> Vieillot, 1819	long-tailed skua		Migrant		SO	IUCN: Common Name and Threat Status: long-tailed jaeger. Least Concern.
<i>Sternula albifrons sinensis</i> Pallas, 1764	eastern little tern	tara teo	Migrant		SO	IUCN: Name and Authority, and Threat Status: <i>Sternula albifrons</i> (Pallas, 1764); Least Concern.

Continued next page

Conservation status of birds in Otago

Regional Vagrant continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
<i>Sterna hirundo longipennis</i> Nordmann, 1835	eastern common tern		Vagrant		SO	Checklist Committee: Common Name: common tern. IUCN: Name and Authority, and Threat Status: <i>Sterna hirundo</i> Linnaeus, 1758; Least Concern.
<i>Sterna paradisaea</i> Pontoppidan, 1763	Arctic tern		Migrant		SO	IUCN: Threat Status: Least Concern.
<i>Sterna vittata bethunei</i> Travers, 1896	New Zealand Antarctic tern		Nationally Increasing		CI, CD, RR	IUCN: Name and Authority, Common Name and Threat Status: <i>Sterna vittata</i> Gmelin, 1789; Antarctic tern; Least Concern
<i>Tachybaptus novaehollandiae novaehollandiae</i> Stephens, 1826	Australasian little grebe	tokitokipio	Coloniser		SO, TL	IUCN: Name and Authority, Common Name and Threat Status: <i>Tachybaptus novaehollandiae</i> (Stephens, 1826); Australasian grebe; Little Concern.
<i>Tadorna tadornoides</i> Jardine & Selby, 1828	Chestnut-breasted shelduck		Vagrant		SO	IUCN: Common Name and Threat Status: Australian shelduck; Least Concern.
<i>Thalassoica antarctica</i> (Gmelin, 1789)	Antarctic petrel		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Thalassarche chrysostoma</i> J.R. Forster, 1785	grey-headed mollymawk	toroa*	Nationally Vulnerable		CI, CD, OL, TO	Common Name in Committee Checklist: grey-headed albatross. IUCN: Name and Authority, Common Name and Threat Status: <i>Thalassarche chrysostoma</i> (Forster, 1785); Grey-headed albatross; Endangered. Annual visitor to mainland Aotearoa New Zealand waters, but few enter Otago's Coastal Marine Area.
<i>Thalassarche eremita</i> Murphy, 1930	Chatham Island mollymawk	toroa	Naturally Uncommon		CD, IE, OL	Common Name in Committee Checklist: Chatham Island albatross. IUCN: Common Name and Threat Status: Chatham Island albatross; Vulnerable. Annual visitor to mainland Aotearoa New Zealand waters, but few enter Otago's Coastal Marine Area.
<i>Threskiornis molucca strictipennis</i> (Gould, 1838)	Australian white ibis		Vagrant		SO	Checklist Committee: Name and Authority, and Common Name: <i>Threskiornis molucca strictipennis</i> (Cuvier, 1829); white ibis IUCN: Name and Authority, Common Name and Threat Status: <i>Threskiornis molucca</i> (Cuvier, 1829); Australian ibis; Least Concern
<i>Threskiornis spinicollis</i> Jameson, 1835	straw-necked ibis		Vagrant		SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Threskiornis spinicollis</i> (Jameson, 1835); straw-necked ibis
<i>Tringa brevipes</i> (Vieillot, 1816)	grey-tailed tattler		Vagrant		SO	IUCN: Threat Status: Near Threatened
<i>Tringa cinerea</i> Guldenstaedt, 1774	Terek sandpiper		Vagrant		SO	Checklist Committee: Name and Authority: <i>Xenus cinereus</i> (Guldenstaedt, 1774). IUCN: Name and Authority, and Threat Status: <i>Xenus cinereus</i> (Guldenstädt, 1775); Least Concern
<i>Tringa hypoleucos</i> Linnaeus, 1758	common sandpiper		Vagrant		SO	Checklist Committee: Name and Authority: <i>Actitis hypoleucos</i> (Linnaeus, 1758). IUCN: Threat Status: Least Concern.
<i>Tringa incana</i> (Gmelin, 1789)	wandering tattler		Vagrant		SO	IUCN: Threat Status: Least Concern.
<i>Tringa nebularia</i> (Gunnerus, 1767)	common greenshank		Vagrant		SO	IUCN: Common Name and Threat Status: common greenshank; Least Concern
<i>Tringa stagnatilis</i> (Bechstein, 1803)	marsh sandpiper		Vagrant		SO	IUCN: Threat Status: Least Concern

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

Conservation status of birds in Otago

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

** Māori name used on Department of Conservation – Te Papa Atawhai [website](#).

Regional Coloniser (2)

Criteria for Regional Coloniser:

Taxa that otherwise trigger 'Threatened' categories because of small population size, but have arrived without direct or indirect help from humans and have been successfully reproducing in the wild since 1950.

Table 1.5.3: Regional Coloniser bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023) it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Qualifiers	National Qualifiers	Notes
REGIONAL COLONISER (2)						
<i>Taxonomically determinate (2)</i>						
<i>Fulica atra australis</i> Gould, 1845	Australian coot		Naturally Uncommon	Inc, SO	Inc, SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Fulica atra</i> Linnaeus, 1758; common coot; Least Concern. Self-introduced to Aotearoa New Zealand from Australia in the 20 th century and was first recorded breeding in Aotearoa New Zealand on Lake Hayes / Waiwhakaata, Otago in 1958. There are an estimated 1000–5000 mature individuals in Otago, with an increasing population > 10 %.
<i>Platalea regia</i> Gould, 1838	royal spoonbill	kōtuku ngutupapa	Naturally Uncommon	RR, SO	Inc, RR, SO, Sp	IUCN: Threat Status: Least Concern. First reported in Aotearoa New Zealand at Castlepoint / Rangihakaoma, Wairarapa, in 1861 (Buller 1869). Breeding in south Westland was suspected in mid-1940s (Stidolph 1948) and confirmed at Waitangiroto white heron / kōtuku colony in 1949 (Oliver 1955). The species has subsequently spread, with breeding reported including in Otago, for example, at Maukiekie Island, Moeraki, 1983–84 (P. Schweigman in Marchant & Higgins 1990); Green Island, Ōtepoti Dunedin, 1988 (P. Schweigman in Marchant & Higgins 1990); Nugget Point / Tokatā, 1995; Taieri Island / Moturata, 1997; Heywood Point, Otago, 2003 (Schweigman 2006); Taiaaroa Head / Pukekura, 2004; and the Catlins, 2004 (Schweigman 2006).

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Not Threatened (23)

Resident native taxa that have large, stable populations.

Table 1.6: Regionally Not Threatened bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN, 2024-1) Red List of Threatened Species; and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System. If the taxon is a specified highly mobile fauna as listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023) it is noted.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
REGIONALLY NOT THREATENED (23)									
<i>Taxonomically determinate (23)</i>									
<i>Acanthisitta chloris chloris</i> Sparrman, 1787	South Island rifleman	tititipounamu	Not Threatened	Stable: ±10 %	High	Medium			IUCN: Name and Authority, Common Name and Threat Status: Least Concern: <i>Acanthisitta chloris</i> (Sparrman, 1787), rifleman; Least Concern.
<i>Anas gracilis</i> Buller, 1869	grey teal	tētē-moroiti	Not Threatened	Stable: ±10 %	Medium	Low	DPS	Inc, SO	IUCN: Threat Status: Least Concern
<i>Anas rhynchotis</i> (Latham, 1802)	Australasian shoveler	kuruwhegi	Not Threatened	Stable: ±10 %	Medium	Low	DPS, S?O		Checklist Committee: Name and Authority: <i>Spatula rhynchotis</i> (Latham, 1802). IUCN: Name and Authority, Common Name and Threat Status: <i>Spatula rhynchotis</i> (Latham, 1801); Least Concern. Although no standalone population in Otago, estimates of 5000–20000 mature individuals (Fish and Game, pers. comm. 2023).
<i>Anthonis melanura melanura</i> Sparrman, 1786	bellbird	kōparapara (Kāi Tahu)	Not Threatened	Stable: ±10 %	High	Medium	DPS		IUCN: Name and Authority, Common Name and Threat Status: <i>Anthonis melanura</i> (Sparrman, 1786). New Zealand bellbird. Least Concern. NZ Garden Bird Survey indicates no or little change in both the 5-year period from 2018–2023 and 10-year period from 2013–2023. There is some variation of trends across the region in both the 5-year period and the 10-year period.
<i>Anthus novaeseelandiae novaeseelandiae</i> Gmelin, 1789	New Zealand pipit	pihoihoi	Declining	Stable: ±10 %	Low	Low	CI, DPR, DPS, DPT	CI, CR	IUCN: Name and Authority, Common Name and Threat Status: <i>Anthus novaeseelandiae</i> Gmelin, 1789; Australasian pipit; Least Concern. NPS-IB: listed Specified Highly Mobile Fauna. No evidence of a decline in Otago. Well-distributed in suitable habitat in the region, with these types of habitats not as impacted as elsewhere in the country.
<i>Aythya novaeseelandiae</i> (Gmelin, 1789)	New Zealand scaup	pāpango	Not Threatened	Stable: ±10 %	Medium	Low	DPS	Inc	IUCN: Threat Status: Least Concern.

Continued next page

Conservation status of birds in Otago

Regionally Not Threatened continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Chrysococcyx lucidus lucidus</i> Gmelin, 1788	shining cuckoo	pipiwharauora	Not Threatened	Stable: ±10 %	Low	Low	DPS, DPT		IUCN: Name and Authority, Common Name and Threat Status: <i>Chrysococcyx lucidus</i> (Gmelin, 1788); shining bronze cuckoo; Least Concern. Parasitise grey warblers, who are faring better than other hole-dwelling hosts of cuckoos.
<i>Circus approximans</i> Peale, 1848	Australasian harrier	kāhu	Not Threatened	Stable: ±10 %	Low	Low	DPS, DPT, SO	SO	Committee Checklist: Common Name: swamp harrier IUCN: Common Name and Threat Status: swamp harrier; Least Concern.
<i>Cygnus atratus</i> (Latham, 1790)	black swan	kakiānau	Not Threatened	Stable: ±10 %	Medium	Low	DPS, SO	SO	IUCN: Threat Status: Least Concern.
<i>Egretta novaehollandiae</i> (Latham, 1790)	white-faced heron	matuku moana	Not Threatened	Stable: ±10 %	Medium	Low	DPS, SO	SO	Checklist Committee: Name and Authority: <i>Egretta novaehollandiae</i> (Latham, 1790). IUCN: Threat Status: Least Concern. NPS-IB: listed Specified Highly Mobile Fauna.
<i>Eudyptula novaehollandiae</i> (Stephens, 1826)	Australian little penguin	kororā*	Recovering	Stable: ±10 %	Medium	Medium	CD, CI, DPR, NStr, SO	CD, CI, SO	Checklist Committee: Name and Authority: <i>Eudyptula minor novaehollandiae</i> (Stephens, 1826). IUCN: Name and Authority, Common Name and Threat Status: <i>Eudyptula minor</i> J.R. Forster, 1781; Little penguin; Least Concern There are two subspecies recognised by the Checklist of the Birds of New Zealand (Checklist Committee, 2022): 1) Australian populations (<i>E. m. novaehollandiae</i>) and some Otago birds, and 2) all remaining populations including some Otago birds (<i>E. m. minor</i>). This second clade includes all birds previously assigned to <i>E. m. iredalei</i> (northern Aotearoa New Zealand), <i>E. m. variabilis</i> (Te Moana-o-Raukawa / Cook Strait), <i>E. m. albosignata</i> (the white-flipped penguin of North Canterbury), <i>E. m. chathamensis</i> (Chatham Islands / Rēkohu / Wharekauri), and some <i>E. m. minor</i> (southern Aotearoa New Zealand). Southern Australia (including Tasmania) and mainly Otago in Aotearoa New Zealand (Grosser et al. 2015). The arrival of this taxon in Aotearoa New Zealand post-dates human settlement (Grosser et al. 2016).
<i>Gerygone igata</i> (Quoy & Gaimard, 1830)	grey warbler	riroriro	Not Threatened	Stable: ±10 %	Medium	Low			IUCN: Common Name and Threat Status: grey gerygone. Least Concern
<i>Hemiphaga novaeseelandiae</i> Gmelin, 1789	kererū / New Zealand pigeon	kererū	Not Threatened	Stable: ±10 %	Low	Medium	DPT	CD, De, Inc	IUCN: Name and Authority, and Threat Status: <i>Hemiphaga novaeseelandiae</i> (Gmelin, 1789); Least Concern. NZ Garden Bird Survey indicates a moderate decline in Otago in 5 years from 2018–2023, contrasting to the shallow increase for the 10-year period from 2013–2023. Nationally, there was a shallow increase for the 10-year period from 2013–2023 and a shallow decline for the 5-year period from 2018–2023. Trends indicate some variation across the region.
<i>Himantopus himantopus leucocephalus</i> Gould, 1837	pied stilt	poaka	Not Threatened	Stable: ±10 %	High	Medium	SO	SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Himantopus himantopus</i> (Linnaeus, 1758); black-winged stilt; Least Concern
<i>Hirundo neoxena neoxena</i> Gould, 1842	welcome swallow	warou	Not Threatened	Stable: ±10 %	Medium	Low	SO	SO, St	IUCN: Name and Authority, and Threat Status: <i>Hirundo neoxena</i> Gould, 1842; Least Concern

Continued next page

Conservation status of birds in Otago

Regionally Not Threatened continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Larus dominicanus dominicanus</i> Lichtenstein, 1823	southern black-backed gull	karoro	Not Threatened	Stable: ±10 %	High	Low	DPS, SO	SO	Committee Checklist: Name and Authority: <i>Larus dominicanus</i> Lichtenstein, 1823. IUCN: Common Name and Threat Status: kelp gull; Least Concern.
<i>Petroica macrocephala macrocephala</i> Gmelin, 1789	South Island tomtit	ngirungiru	Not Threatened	Stable: ±10 %	Medium	Low	DPS		IUCN: Name and Authority, Common Name and Threat Status: New Zealand tomtit. <i>Petroica macrocephala</i> (Gmelin, 1789); Least Concern
<i>Porphyrio melanotus melanotus</i> Temminck, 1820	pukeko	pūkeko	Not Threatened	Stable: ±10 %	Medium	Low	SO	Inc, SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Porphyrio porphyrio</i> (Linnaeus, 1758). Purple swamphen. Least Concern
<i>Prosthemadera novaeseelandiae novaeseelandiae</i> (Gmelin, 1788)	tūi	tūi	Not Threatened	Increasing: >10 %	Medium	Medium	DPS, INC	Inc	IUCN: Name and Authority, Common Name and Threat Status: <i>Prosthemadera novaeseelandiae</i> (Gmelin, 1788); tui; Least Concern. NZ Garden Bird Survey indicate a shallow increase regionally for the 5-year period from 2018–2023 and for the 10-year period from 2013–2023. There was some variation across the region for the 2013–2023 period, but not the 2018–2023 period.
<i>Rhipidura fuliginosa fuliginosa</i> (Sparrman, 1787)	South Island fantail	piwakawaka	Not Threatened	Increasing: >10 %	High	Medium	INC EF	EF	IUCN: Name and Authority, Common Name and Threat Status: <i>Rhipidura fuliginosa</i> (Sparrman, 1787). New Zealand fantail; Least Concern NZ Garden Bird Survey indicate a shallow increase regionally for the 5-year period from 2018–2023 and a moderate increase for the 10-year period from 2013–2023. There was some variation across the region for both the 2018–2023 and the 2013–2023 period. Populations fluctuate between years, often declining over winter.
<i>Tadorna variegata</i> (Gmelin, 1789)	paradise shelduck	pūtakitaki (Kāi Tahu)	Not Threatened	Stable: ±10 %	High	Medium			IUCN: Threat Status: Least Concern. The moult count trend between 1990–2022 was between -2.5% and +1.7% (Fish and Game, pers. comm. 2023).
<i>Todiramphus sanctus vagans</i> (Lesson, 1828)	New Zealand kingfisher	kōtare	Not Threatened	Stable: ±10 %	Medium	Low	DPS		IUCN: Name and Authority, Common Name and Threat Status: <i>Todiramphus sanctus</i> (Vigors & Horsfield, 1827); sacred kingfisher; Least Concern.
<i>Vanellus miles novaehollandiae</i> Stephens, 1819	spur-winged plover		Not Threatened	Stable: ±10 %	High	Low	DPS, SO	SO	IUCN: Name and Authority, Common Name and Threat Status: <i>Vanellus spinosus</i> (Linnaeus, 1758); spur-winged lapwing; Least Concern.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regional Conservation Translocations (4)

Taxa that have been intentionally moved and released to Otago where the primary objective is a conservation benefit but have not established self-sustaining populations. Conservation translocations consist of (i) population restoration, comprising reinforcement and reintroduction within a species' indigenous range, and (ii) conservation introductions, comprising assisted migration and ecological replacement, outside indigenous range.

Table 1.7: Regional conservation translocations of bird taxa in Otago

Name and authority, common name, and threat status from International Union for Conservation of Nature (IUCN) Red List of Threatened Species and name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System as used in this report.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
CONSERVATION TRANSLOCATIONS (3)										
REINTRODUCTION (2)										
<i>Taxonomically determinate (2)</i>										
<i>Gallirallus australis hectori</i> (Hutton, 1873)	buff weka	weka	Relict	250–1000	Stable: ±10 %	High	High	CD, RN		IUCN: Name and Authority, Common Name and Threat Status: <i>Gallirallus australis</i> Sparrman, 1786; Weka; Vulnerable. Reintroduced to five islands in two lakes (Lake Wānaka and Lake Wakatipu / Whakatipu Waimāori) in and a mainland site (Motatapu Valley) Otago (Miskelly & Powlesland 2013). Reintroduced populations are still present on the islands and individuals were in the Motatapu Valley in 2021.
<i>Philesturnus carunculatus</i> Gmelin, 1789	South Island saddleback	tieke	Recovering	~100						IUCN: Name and Authority and Threat Status: <i>Philesturnus carunculatus</i> (Gmelin, 1789); Least Concern. An attempt to establish a population at Orokonui Ecosanctuary – Te Korowai o Mihiwaka, near Ōtepoti Dunedin, in 2009 and 2013 was unsuccessful due to a stoat (<i>Mustela erminea</i>) incursion. In early 2025, however, ~100 individuals were translocated in partnership between the Rakiura Titi Island Administering Body, Kāti Huirapa Rūnaka ki Puketeraki and Orokonui Ecosanctuary – Te Korowai o Mihiwaka.

Continued on next page

Conservation status of birds in Otago

Conservation Translocation continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Population	Regional Trend	Regional Confidence Population	Regional Confidence Trend	Regional Qualifiers	National Qualifiers	Notes
<i>Porphyrio hochstetteri</i> (A.B. Meyer, 1883)	South Island takahē	takahē	Nationally Vulnerable	~24		High		CD, CI	CI, CD, RR	IUCN: Threat Status: Endangered. Two pairs currently at Orokonui Ecosanctuary – Te Korowai o Mihiwaka; they are free roaming with one pair in the upper sanctuary separated by a low fence from the other pair in the lower sanctuary due to their being defensive about territories. Due to lack of habitat, a self-sustaining population is not possible. The sanctuary is an important advocacy site for takahē. In August 2023, 18 takahē (nine pairs) were released into the Greenstone Valley, near Glenorchy at the head of Lake Wakaitipu / Whakītipu Waimāori. A further six juveniles were released in November 2023, with ongoing reinforcements planned. In March 2025, four recent takahē deaths were reported that pointed to stoat predation, with a fifth the cause of death being unknown. At the time, it was noted that a population of 20 to 30 takahē have been living in the Greenstone for more than 18 months and the health and productivity of the birds has exceeded expectations, with two active breeding seasons indicating the Greenstone Valley as a promising wild site. Efforts to establish a population of up to 80 takahē in the nearby Rees Valley began in February 2025 with the release of 18 birds, a subsequent release of 33 birds in April 2025, with a further release planned for Spring 2025. The number of takahē in the Rees Valley has been reported as being the second largest wild population. None of these populations in Otago are self-sustaining yet.

Continued on next page

Conservation status of birds in Otago

Conservation Translocation continued

ASSISTED MIGRATION (1)										
Taxonomically unresolved (1)										
<i>Apteryx australis</i> "Haast"	Haast tokoeka	tokoeka*	Nationally Vulnerable	~35	Increasing: >10 %	High	High	CD, IN, Inc, OL	CD, Inc, OL, RF	IUCN: Name and Authority, Common Name and Threat Status: <i>Apteryx australis</i> Shaw, 1813; southern brown kiwi; Vulnerable First released in 2010 at Orokonui Ecosanctuary – Te Korowai o Mihiwaka. Since 2015 the sanctuary has been used as a kiwi crèche as part of the Operation Nest Egg where chicks are raised before release into the wild, while the lower sanctuary where tokoeka were first released is a free-roaming population. The population of Haast tokoeka in the lower sanctuary is currently estimated to be ~35 birds (E. Smith, pers. comm.). Given that tokoeka spp. are long-lived with a lengthy generation time, the population is not yet considered self-sustaining.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Introduced and Naturalised (25)

Taxa that have become naturalised in the wild after being deliberately or accidentally introduced into Otago by human agency.

Table 1.8: Regionally Introduced and Naturalised bird taxa in Otago

Name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System as used in this report.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Population	Regional Confidence Size	National Qualifiers	Notes
INTRODUCED AND NATURALISED (25)							
<i>Taxonomically determinate (25)</i>							
<i>Alauda arvensis</i> Linnaeus, 1758	Eurasian skylark	kairaka*	Introduced and Naturalised	>100000	Medium	SO	
<i>Alectoris chukar</i> (J.E. Gray, 1830)	chukor		Introduced and Naturalised	250–1000	Low	SO, Sp	
<i>Anas platyrhynchos</i> Linnaeus, 1758	mallard duck	rakiraki	Introduced and Naturalised	>100000	Medium	SO	Checklist Committee: Name and Authority, and Common Name: <i>Anas platyrhynchos</i> Linnaeus, 1758; mallard.
<i>Anser anser</i> Linnaeus, 1758	greylag goose	kuihi*	Introduced and Naturalised	1000–5000	Low	SO	
<i>Athene noctua</i> (Scopoli, 1769)	little owl	ruru nohinohi	Introduced and Naturalised	1000–5000	Low	SO	
<i>Branta canadensis</i> Linnaeus, 1758	Canada goose	kuihi*	Introduced and Naturalised	5000–20000	Low	SO	Checklist Committee: Name and Authority: <i>Branta canadensis maxima</i> Linnaeus, 1758.
<i>Cacatua galerita</i> (Latham, 1790)	sulphur-crested cockatoo		Introduced and Naturalised	<250	High	SO, Sp	
<i>Callipepla californica</i> Shaw, 1798	California quail	tikaokao	Introduced and Naturalised	5000–20000	Low	SO	Checklist Committee: Name and Authority: <i>Callipepla californica brunnescens</i> Ridgeway 1884. Introduced to Aotearoa New Zealand from 1865 to 1875 in both Te Ika-a-Māui / North Island and Te Waipounamu / South Islands (Thomson 1922) with subsequent liberations of Aotearoa New Zealand-bred stock. Now widely distributed.
<i>Carduelis carduelis</i> Linnaeus, 1758	European goldfinch	kōurarini	Introduced and Naturalised	>100000	Low	SO	Checklist Committee: Name and Authority: <i>Carduelis carduelis britannica</i> Hartert, 1903.
<i>Carduelis chloris</i> (Linnaeus, 1758)	European greenfinch		Introduced and Naturalised	>100000	Low	SO	Checklist Committee: Name and Authority: <i>Chloris chloris</i> (Linnaeus, 1758). NZ Garden Bird Survey indicate a shallow increase regionally for the 5-year period from 2018–2023 and for the 10-year period from 2013–2023. The last 5 years from 2018–23 indicated some variation across the region.

Continued next page

Conservation status of birds in Otago

Regionally Introduced and Naturalised continued

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	Regional Population	Regional Confidence Size	National Qualifiers	Notes
<i>Carduelis flammea</i> (Linnaeus, 1758)	common redpoll		Introduced and Naturalised	>100000	Low	SO	Checklist Committee: Name and Authority: <i>Acanthis flammea</i> (Linnaeus, 1758).
<i>Columba livia</i> Gmelin, 1789	rock pigeon	kererū aropari*	Introduced and Naturalised	20000–100000	Medium	SO	
<i>Corvus frugilegus</i> Linnaeus, 1758	rook		Introduced and Naturalised	<250	Low	SO	Estimated to be ~10 birds in Otago as of September 2024 (Simon Stevenson, ORC, pers. comm. 2024)
<i>Emberiza cirius</i> Linnaeus, 1766	cirl bunting		Introduced and Naturalised	250–1000	Low	SO, Sp	
<i>Emberiza citrinella</i> Linnaeus, 1758	yellowhammer	hurukōwhai	Introduced and Naturalised	>100000	Low	SO	
<i>Fringilla coelebs</i> Linnaeus, 1758	chaffinch	pahirini	Introduced and Naturalised	>100000	Low	SO	
<i>Gymnorhina tibicen</i> (Latham, 1801)	Australian magpie	makipai	Introduced and Naturalised	20000–100000	Low	SO	
<i>Meleagris gallopavo</i> Linnaeus, 1758	wild turkey	korukoru	Introduced and Naturalised	1000–5000	Low	SO	Checklist Committee: Name and Authority, and Common Name: <i>Meleagris gallopavo gallopavo</i> Linnaeus, 1758; Gould's wild turkey
<i>Passer domesticus</i> (Linnaeus, 1758)	house sparrow	tiu	Introduced and Naturalised	>100000	Medium	SO	Checklist Committee: Name and Authority: <i>Passer domesticus domesticus</i> (Linnaeus, 1758).
<i>Phasianus colchicus</i> Linnaeus, 1758	common pheasant		Introduced and Naturalised	1000–5000	Low	SO	
<i>Platycercus eximius</i> (Shaw, 1792)	eastern rosella	kākā uhi whereo	Introduced and Naturalised	250–1000	Medium	SO	
<i>Prunella modularis</i> (Linnaeus, 1758)	dunnock		Introduced and Naturalised	>100000	Low	SO	
<i>Sturnus vulgaris</i> Linnaeus, 1758	common starling	tāringi	Introduced and Naturalised	>100000	High	SO	Checklist Committee: Name and Authority: <i>Sturnus vulgaris vulgaris</i> Linnaeus, 1758.
<i>Turdus merula</i> Linnaeus, 1758	Eurasian blackbird	manu pango	Introduced and Naturalised	>100000	Low	SO	Checklist Committee: Name and Authority: <i>Turdus merula merula</i> Linnaeus, 1758.
<i>Turdus philomelos</i> Brehm, 1831	song thrush	manu-kai-hua-rakau	Introduced and Naturalised	>100000	Low	SO	

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Introduced, Not Established (10)

Taxa observed in a region where: 1) a release is documented, but with no record of self-sustaining population in the wild; or 2) a deliberate introduction is documented, and published records indicate the species bred (or probably bred), but it is no longer extant.

Table 1.9: Introduced, not established bird taxa in Otago

Name and authority, and common name from Checklist of the Birds of New Zealand (Checklist Committee, 2022) are provided where they differ from the New Zealand Threat Classification System as used in this report.

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	National Qualifiers	Regional Population	Regional Confidence Size	Notes
INTRODUCED, NOT ESTABLISHED (10)							
<i>Taxonomically determinate (10)</i>							
<i>Cairina moschata</i> (Linnaeus, 1758)	muscovy duck						Feral individuals reported from Aotearoa New Zealand, including in the Otago.
<i>Cereopsis novaehollandiae</i> Latham, 1801	Cape Barren goose		Introduced and Naturalised	SO, Sp	<250	High	Liberated at Lake Hawea in 1914, where it survived as a small population in the Hawea, Wānaka, and Hunter River area until about 1946 (Williams 1968). Incidental records (e.g., Owaka, 2004; Catlins River, 2011) are also most likely to be escapees from private waterfowl collections.
<i>Chrysolophus pictus</i> (Linnaeus, 1758)	golden pheasant						Introduced to Aotearoa New Zealand, including by Otago Acclimatisation Society.
<i>Cygnus olor</i> (Gmelin, 1789)	mute swan	wāna	Introduced and Naturalised	SO, Sp	<250	High	Introduced to Aotearoa New Zealand during the 19 th century, including in Otago (1868–1869). Although no known populations, single individuals are regularly reported.
<i>Eolophus roseicapillus</i> (Vieillot, 1817)	galah		Introduced and Naturalised	RR, SO	<250	High	Checklist Committee: Name and Authority: <i>Eolophus roseicapilla</i> (Vieillot, 1817). Present in Aotearoa New Zealand as a cage-bird. Small population in South Tāmaki Makaurau / Auckland, with presumed escapees recorded elsewhere (e.g., Robertson et al. 2007).
<i>Gallus gallus gallus</i> (Linnaeus, 1758)	feral chicken		Not assessed	SO			Assessed as Introduced and Naturalised in earlier versions of the national assessment but removed from the 2021 national assessment. While known to breed in the wild in Aotearoa New Zealand, no viable wild populations have been established and most enclaves are supplemented by ongoing releases and/or supplementary feeding (Heather & Robertson 2015).
<i>Numida meleagris</i> Linnaeus, 1758	helmeted guineafowl		Introduced and Naturalised	SO, Sp	<250	High	Introduced to Waitaha / Canterbury, in the 1860s, and subsequently elsewhere. Wild populations present in rough farmland in a few Aotearoa New Zealand localities (Robertson et al. 2007).
<i>Nymphicus hollandicus</i> (Kerr, 1792)	cockatiel						
<i>Pavo cristatus</i> Linnaeus, 1758	peafowl	pikao	Introduced and Naturalised	SO	250–1000	Low	Introduced to Aotearoa New Zealand from 1843 (Thomson 1922). Increasingly common in Northland, western Firth of Thames, Coromandel / Kapanga, Rotorua district, Bay of Plenty / Te Moana-a-Toi, East Cape, King Country, Taranaki, Whanganui district, Tairāwhiti / Gisborne, Mahia, and Hawke's Bay, with some records from north-west Nelson / Whakatū, Marlborough / Te Taihū-o-te-Waka, and Waitaha / Canterbury (Robertson et al. 2007) and Otago.
<i>Streptopelia risoria</i> 57Linnaeus, 1758	Barbary dove		Introduced and Naturalised	SO, Sp	<250	High	Introduced to Nelson / Whakatū, in 1867, and later to Waitaha / Canterbury and Ōtepoti Dunedin (Thomson 1922). There have been a few Te Waipounamu / South Island sightings (Robertson et al. 2007).

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Not Assessed (2)

Taxa that have been assessed in national assessments in the past but are not assessed in this report

Table 1.10: Not assessed bird taxa in Otago

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	National Qualifiers	Notes
NOT ASSESSED (2)					
<i>Taxonomically determinate (2)</i>					
<i>Platycercus elegans</i> (Gmelin, 1788)	crimson rosella	kākā uhi whero*			Assessed as Introduced and Naturalised in earlier versions of the national assessment. However, a breeding population of this species in Ōtepoti Dunedin died out in the 1950s, the small breeding population in Pōneke / Wellington city appears to have died out in the early 2000s, and the few birds that have been seen elsewhere in the country are probably recent cage escapees (Heather & Robertson 2015). The national panel assessed that the species is no longer naturalised in Aotearoa New Zealand and so removed it from the 2021 list.
<i>Spheniscus magellanicus</i> (Forster, 1781)	Magellanic penguin			SO	Two Aotearoa New Zealand records, with one in Otago on March 1990, from Otago Harbour (Darby 1991; Guest 1991). Magellanic penguins are typically timid; the bold behaviour of both these birds indicated previous habituation to humans, and so they may have reached Aotearoa New Zealand by ship (Darby 1991; Guest 1991) Excluded from the latest national assessment, because its occurrence in Aotearoa New Zealand is regarded as a failed introduction rather than as a vagrant (Gill et al. 2010).

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Regionally Not Verified (2)

Taxa that have been assessed in national assessments in the past but are not assessed in this report

Table 1.10: Not verified bird taxa in Otago

Name and Authority	Common Name	Māori Name from National Conservation Status	National Conservation Status	National Qualifiers	Notes
NOT VERIFIED (2)					
<i>Taxonomically determinate (2)</i>					
white-bellied sea eagle	<i>Haliaeetus leucogaster</i> Gmelin, 1788		Vagrant		Considered a vagrant to Aotearoa New Zealand based on a specimen donated to Buller by Gould, which was apparently collected in Aotearoa New Zealand. There are several unconfirmed historical records mentioned in Oliver (1955), including Matukituki bush, Otago (1870).
red-necked phalarope	<i>Phalaropus lobatus</i> (Linnaeus, 1758)		Vagrant	SO	There are 17 accepted records of red-necked phalaropes in Aotearoa New Zealand. An inland record from Lake Wanaka was never submitted for verification.

Regional and national qualifiers: CD = Conservation Dependent; DPR = Data Poor Recognition; DPS = Data Poor Size; DPT = Data Poor Trend; DE = Designated; EF = Extreme Fluctuations; NR = Natural Range Limit; NS = National State; OL = One Location; PD = Partial Decline; RR = Range Restricted; SO = Secure Overseas; SO? = Secure Overseas?; S?O = Secure? Overseas; TO = Threatened Overseas; TO? = Threatened Overseas?; T?O = Threatened? Overseas; CI = Climate Impact; CRN = Conservation Research Needed; EW = Extinct in the Wild; INC = Increasing; PF = Population Fragmentation; PE = Possibly/Presumed Extinct; RE = Regional Endemic; Rel = Relict; RF = Recruitment Failure; Sp = Biologically Sparse; TL = Type Locality.

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Conservation status of birds in Otago

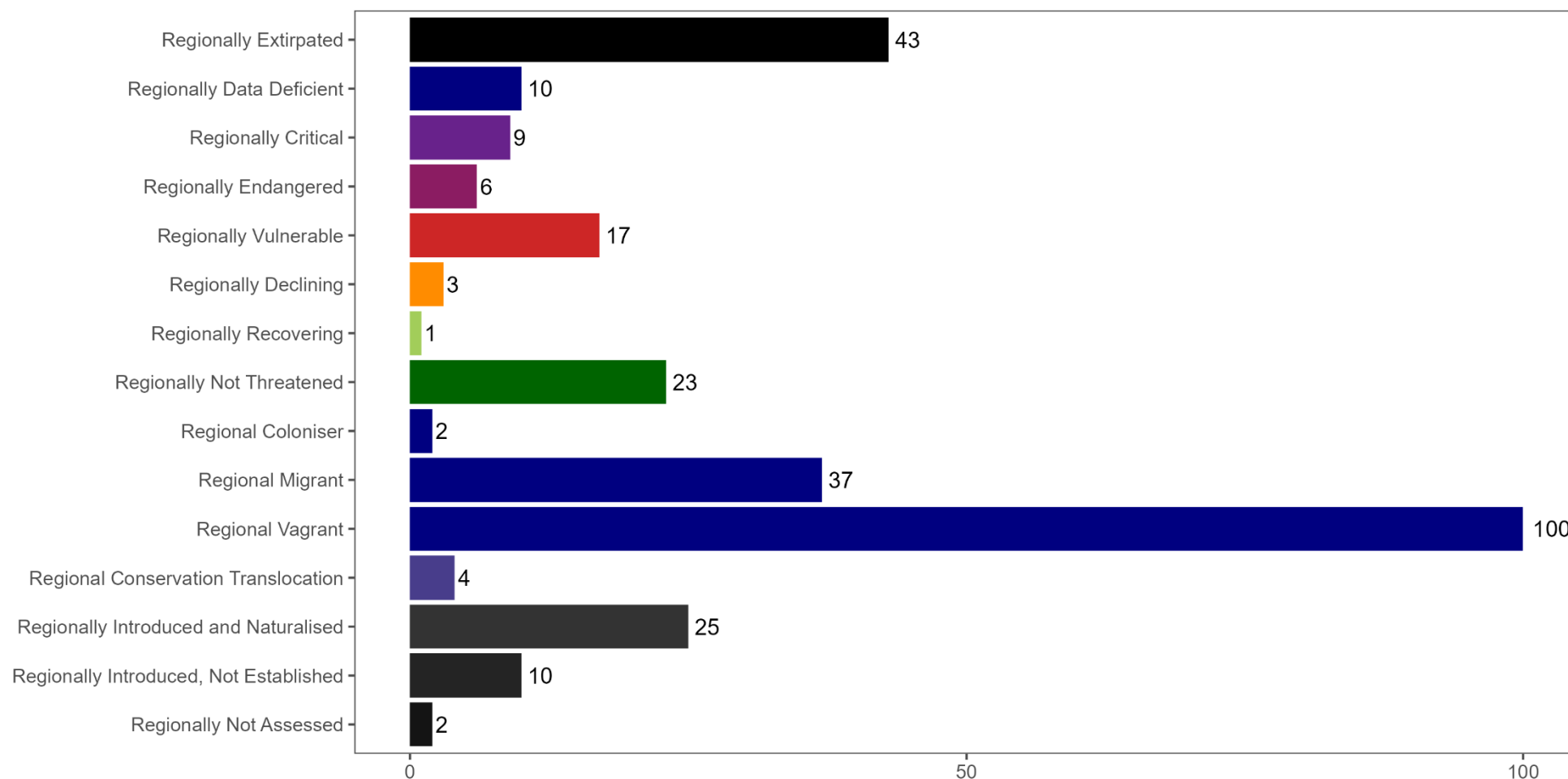


Figure 1: Regional conservation status of birds in the Otago Region.

Although 43 bird species were Regionally Extirpated, three species have been reintroduced to the region and another species has had an assisted migration so there is a total of three extant species with conservation translocations into Otago.

Table 2: Presence of Regionally Threatened, Regionally At Risk, Regionally Non-resident (Migrant and Coloniser only), Regionally Introduced and Naturalised, and Regionally Conservation Translocated bird taxa by territorial authority or Coastal Marine Area in the Otago Region. The Coastal Marine Area extends from mean high water springs out to the 12 nautical mile (22.2 kilometre) limit of the territorial sea, from the Waitaki River in the north to Wallace Beach in the south. *B* indicates a taxon has been observed breeding in a territorial authority over the last 20 years; *SB* indicates a taxon is suspected to breed in a territorial authority; *P* indicates a taxon was observed to be present in a territorial authority or the Coastal Marine Area; *SP* indicates a taxon is suspected to be present in a territorial authority or the Coastal Marine Area. The Māori name is from the National Conservation Status, except when from Checklist of the Birds of New Zealand as indicated by an asterisk (*)

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
REGIONALLY THREATENED							
REGIONALLY CRITICAL							
<i>Anarhynchus frontalis</i> Quoy & Gaimard, 1830	wrybill / ngutu pare	<i>B</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>SP</i>	<i>P</i>
<i>Botaurus poiciloptilus</i> (Wagler, 1827)	Australasian bittern / matuku-hūrepo	<i>SB</i>	<i>B</i>	<i>SB</i>	<i>SB</i>		
<i>Cyanoramphus auriceps</i> Kuhl, 1820	yellow-crowned parakeet / kākāriki		<i>B</i>		<i>B</i>		
<i>Diomedea sanfordi</i> Murphy, 1917	northern royal albatross / toroa			<i>B</i>			<i>P</i>
<i>Hymenolaimus malacorhynchos</i> (Gmelin, 1789)	whio / kōwhiowhio				<i>B</i>		
<i>Megadyptes antipodes</i> (Hombron & Jacquinot, 1841)	yellow-eyed penguin / hoiho		<i>B</i>	<i>B</i>		<i>B</i>	<i>P</i>
<i>Nestor notabilis</i> Gould, 1856	kea	<i>P</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>P</i>	
<i>Porzana tabuensis tabuensis</i> Gmelin, 1789	spotless crake / pūweto	<i>P</i>	<i>SB</i>	<i>SP</i>	<i>SB</i>		

Continued next page

Conservation status of birds in Otago

Presence by Territorial Authority or Coastal Marine Area

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>Xenicus gilviventris rineyi</i> Falla, 1953	southern rock wren / piwauwau				<i>B</i>		
REGIONALLY ENDANGERED							
<i>Chlidonias albobristatus</i> (G.R. Gray, 1845)	black-fronted tern / tarapirohe	<i>B</i>	<i>SB</i>	<i>P</i>	<i>B</i>	<i>B</i>	<i>P</i>
<i>Eudynamys taitensis</i> (Sparrman, 1787)	long-tailed cuckoo / koekoeā		<i>B</i>	<i>P</i>	<i>B</i>		
<i>Gallirallus australis hectori</i> (Hutton, 1873)	buff weka / weka				<i>B</i>		
<i>Nestor meridionalis meridionalis</i> (Gmelin, 1788)	South Island kaka / kākā			<i>B</i>	<i>B</i>		
<i>Phalacrocorax carbo novaehollandiae</i> Stephens, 1826	black shag / kōau	<i>SB</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>SB</i>	<i>P</i>
<i>Porzana pusilla affinis</i> (J.E. Gray, 1845)	marsh crake / kotoreke	<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>SB</i>	
REGIONALLY VULNERABLE							
<i>Charadrius bicinctus bicinctus</i> Jardine and Selby, 1827	banded dotterel / pohowera	<i>B</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>B</i>	<i>P</i>
<i>Cyanoramphus novaezelandiae novaezelandiae</i> Sparrman, 1787	red-crowned parakeet / kākārīki		<i>B</i>	<i>SB</i>			
<i>Falco novaeseelandiae novaeseelandiae</i> (Gmelin 1788)	eastern falcon / kārearea	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	
<i>Haematopus finschi</i> Martens, 1897	South Island pied oystercatcher / tōrea	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>P</i>
<i>Haematopus unicolor</i> J.R. Forster, 1844	variable oystercatcher / tōrea pango		<i>B</i>	<i>B</i>		<i>B</i>	<i>P</i>
<i>Larus bulleri</i> Hutton, 1871	black-billed gull / tarāpuka	<i>B</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>P</i>	<i>P</i>
<i>Leucocarbo chalconotus</i> G.R. Gray, 1845	Otago shag / matapo		<i>B</i>	<i>B</i>		<i>B</i>	<i>P</i>

Continued next page

Conservation status of birds in Otago

Presence by Territorial Authority or Coastal Marine Area

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>Limosa lapponica baueri</i> Naumann, 1836	eastern bar-tailed godwit / kūaka		<i>P</i>	<i>P</i>		<i>P</i>	<i>P</i>
<i>Mohoua ochrocephala</i> (Gmelin, 1789)	mohua / yellowhead		<i>B</i>		<i>B</i>		
<i>Ninox novaeseelandiae novaeseelandiae</i> Gmelin, 1788	ruru	<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	
<i>Pachyptila turtur</i> (Kuhl, 1820)	fairy prion / titi wainui			<i>B</i>			<i>P</i>
<i>Petroica australis australis</i> Sparrman, 1788	South Island robin / kakaruai			<i>B</i>	<i>B</i>		
<i>Phalacrocorax melanoleucos brevirostris</i> Gould, 1837	little shag / kawaupaka	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>P</i>
<i>Podiceps cristatus australis</i> Gould, 1844	Australasian crested grebe / pūteketeke	<i>B</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>P</i>	<i>P</i>
<i>Puffinus griseus</i> (Gmelin, 1789)	sooty shearwater / titi		<i>SB</i>	<i>B</i>		<i>SB</i>	<i>P</i>
<i>Sterna striata striata</i> Gmelin, 1789	white-fronted tern / tara		<i>B</i>	<i>B</i>		<i>B</i>	<i>P</i>
<i>Stictocarbo punctatus</i> (Sparrman, 1786)	spotted shag / kawau tikitiki		<i>B</i>	<i>B</i>		<i>B</i>	<i>P</i>
REGIONALLY AT RISK							
REGIONALLY DECLINING							
<i>Bowdleria punctata punctata</i> Quoy & Gaimard, 1830	South Island fernbird / mātātā		<i>B</i>	<i>B</i>	<i>B</i>	<i>SB</i>	
<i>Mohoua novaeseelandiae</i> (Gmelin, 1789)	brown creeper / pipipi	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	
<i>Zosterops lateralis lateralis</i> Latham, 1802	silvereye / tauhou	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	

Continued next page

Conservation status of birds in Otago

Presence by Territorial Authority or Coastal Marine Area

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>REGIONALLY RECOVERING</i>							
<i>Larus novaehollandiae scopulinus</i> J. R. Forster, 1843	red-billed gull / tarāpunga		<i>B</i>	<i>B</i>		<i>B</i>	<i>P</i>
REGIONALLY NON-RESIDENT NATIVE							
<i>REGIONAL MIGRANT</i>							
<i>Ardea modesta</i> J.E. Gray, 1831	white heron / kōtuku	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>
<i>Catharacta antarctica lonnbergi</i> Mathews, 1912	subantarctic skua / hākoakoa						<i>P</i>
<i>Daption capense australe</i> Mathews, 1913	Snares Cape petrel / karetai hurukoko						<i>P</i>
<i>Daption capense capense</i> (Linnaeus, 1758)	Antarctic cape petrel / karetai hurukoko						<i>P</i>
<i>Diomedea antipodensis antipodensis</i> Robertson & Warham, 1992	Antipodean wandering albatross / toroa						<i>P</i>
<i>Diomedea antipodensis gibsoni</i> Robertson & Warham 1992	Gibson's wandering albatross / toroa						<i>P</i>
<i>Diomedea epomophora</i> Lesson, 1825	southern royal albatross / toroa						<i>P</i>
<i>Eudyptes pachyrhynchus</i> G.R. Gray, 1845	Fiordland crested penguin / tawaki		<i>SB</i>	<i>SB</i>		<i>P</i>	<i>P</i>
<i>Fregetta tropica</i> (Gould, 1844)	black-bellied storm petrel / takahikare-rangi						<i>P</i>
<i>Fulmarus glacialisoides</i> A. Smith, 1826	Antarctic fulmar						<i>P</i>
<i>Garrodia nereis</i> (Gould, 1841)	grey-backed storm petrel / reoreo						<i>P</i>
<i>Hydroprogne caspia</i> (Pallas, 1770)	Caspian tern / taranui		<i>P</i>	<i>P</i>		<i>P</i>	<i>P</i>

Continued next page

Conservation status of birds in Otago

Presence by Territorial Authority or Coastal Marine Area

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>Macronectes giganteus</i> (Gmelin, 1789)	southern giant petrel / pāngurunguru						P
<i>Macronectes halli</i> Mathews, 1912	northern giant petrel / pāngurunguru						P
<i>Morus serrator</i> G.R. Gray, 1843	Australasian gannet / tākapu						P
<i>Oceanites oceanicus exasperatus</i> Mathews, 1912	Wilson's storm petrel						P
<i>Pachyptila vittata</i> Forster, G, 1777	broad-billed prion / pararā			P		SB	P
<i>Pelagodroma marina maoriana</i> Mathews, 1912	New Zealand white-faced storm petrel / takahikare					SB	P
<i>Pelecanoides urinatrix chathamensis</i> Murphy and Harper, 1916	southern diving petrel / kuaka					SB	P
<i>Phalacrocorax varius varius</i> Gmelin, 1789	pied shag / kāruhiruhi		P	SB	P	SB	P
<i>Procellaria aequinoctialis</i> Linnaeus, 1758	white-chinned petrel / karetai kauae mā						P
<i>Procellaria cinerea</i> Gmelin, 1789	grey petrel / kuia						P
<i>Procellaria westlandica</i> Falla, 1946	Westland petrel / tāiko						P
<i>Pterodroma cookii</i> (G.R. Gray, 1843)	northern Cook's petrel / titi						P
<i>Pterodroma gouldi</i> (Hutton, 1869)	grey-faced petrel / ōi						P
<i>Pterodroma inexpectata</i> (J.R. Forster, 1844)	mottled petrel / kōruru						P
<i>Pterodroma lessonii</i> (Garnot, 1826)	white-headed petrel						P
<i>Puffinus bulleri</i> , Salvin 1888	Buller's shearwater / rako						P
<i>Puffinus gavia</i> J.R. Forster, 1844	fluttering shearwater / pakahā						P

Continued next page

Conservation status of birds in Otago

Presence by Territorial Authority or Coastal Marine Area

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>Puffinus huttoni</i> Mathews, 1912	Hutton's shearwater / Kaikōura tītī						<i>P</i>
<i>Puffinus tenuirostris</i> Temminck, 1836	short-tailed shearwater						<i>P</i>
<i>Stercorarius parasiticus</i> (Linnaeus, 1758)	Arctic skua						<i>P</i>
<i>Thalassarche bulleri bulleri</i> Rothschild, 1888	southern Buller's mollymawk / toroa						<i>P</i>
<i>Thalassarche cauta steadi</i> Falla, 1933	New Zealand white-capped mollymawk / toroa						<i>P</i>
<i>Thalassarche impavida</i> Mathews, 1912	Campbell Island mollymawk / toroa						<i>P</i>
<i>Thalassarche melanophrys</i> (Temminck, 1828)	black-browed mollymawk / toroa						<i>P</i>
<i>Halassarche salvini</i> Rothschild, 1878	Salvin's mollymawk / toroa						<i>P</i>
REGIONALLY NOT THREATENED							
<i>Acanthisitta chloris chloris</i> Sparman, 1787	South Island rifleman / tititipounamu	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	
<i>Anas gracilis</i> Buller, 1869	grey teal / tētē-moroiti	<i>B</i>	<i>SB</i>	<i>SB</i>	<i>B</i>	<i>SB</i>	<i>P</i>
<i>Anas rhynchos</i> (Latham, 1802)	Australasian shoveler / kuruwhengi	<i>P</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>P</i>	<i>P</i>
<i>Anthornis melanura melanura</i> Sparman, 1786	bellbird / kōparapara	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	
<i>Anthus novaeseelandiae novaeseelandiae</i> Gmelin, 1789	New Zealand pipit / pihoihoi	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	
<i>Aythya novaeseelandiae</i> (Gmelin, 1789)	New Zealand scaup / pāpango	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	

Continued next page

Conservation status of birds in Otago

Presence by Territorial Authority or Coastal Marine Area

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>Chrysococcyx lucidus lucidus</i> Gmelin, 1788	shining cuckoo / pipiwharau	SB	B	B	B	B	
<i>Circus approximans</i> Peale, 1848	Australasian harrier / kāhu	B	B	B	B	B	P
<i>Cygnus atratus</i> (Latham, 1790)	black swan / kakiānau	B	B	B	B	P	P
<i>Egretta novaehollandiae</i> (Latham, 1790)	white-faced heron / matuku moana	SB	B	B	B	B	P
<i>Gerygone igata</i> (Quoy & Gaimard, 1830)	grey warbler / riroriro	B	B	B	B	B	
<i>Eudyptula novaehollandiae</i> (Stephens, 1826)	Australian little penguin / kororā			B		B	P
<i>Hemiphaga novaeseelandiae</i> Gmelin, 1789	kererū / New Zealand pigeon	SB	B	B	B	B	
<i>Himantopus himantopus leucocephalus</i> Gould, 1837	pied stilt / poaka	B	B	B	B	B	P
<i>Hirundo neoxena neoxena</i> Gould, 1842	welcome swallow / warou	B	B	B	B	B	P
<i>Larus dominicanus dominicanus</i> Lichtenstein, 1823	southern black-backed gull / karoro	B	B	B	B	B	P
<i>Petroica macrocephala macrocephala</i> Gmelin, 1789	South Island tomtit / ngirungiru	B	B	B	B	B	
<i>Porphyrio melanotus melanotus</i> Temminck, 1820	pukeko	B	B	B	B	B	P
<i>Prosthemadera novaeseelandiae novaeseelandiae</i> (Gmelin, 1788)	tūī	SB	B	B	B	B	
<i>Rhipidura fuliginosa fuliginosa</i> (Sparrman, 1787)	South Island fantail / piwakawaka	B	B	B	B	B	
<i>Tadorna variegata</i> (Gmelin, 1789)	paradise shelduck / pūtakitaki	B	B	B	B	B	P

Continued next page

Conservation status of birds in Otago

Presence by Territorial Authority or Coastal Marine Area

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>Todiramphus sanctus vagans</i> (Lesson, 1828)	New Zealand kingfisher / kōtare	SB	SB	B	B	SB	P
<i>Vanellus miles novaehollandiae</i> Stephens, 1819	spur-winged plover	B	B	B	B	B	P
REGIONAL COLONISER							
<i>Fulica atra australis</i> Gould, 1845	Australian coot	B	B	B	B	B	
<i>Platalea regia</i> Gould, 1838	royal spoonbill / kōtuku ngutupapa		B	B	P	B	P
CONSERVATION TRANSLOCATION *							
<i>Apteryx australis</i> “Haast”	Haast tokoeka			B			
<i>Philesturnus carunculatus</i> Gmelin, 1789	South Island saddleback / tieke			B			
<i>Porphyrio hochstetteri</i> (A.B. Meyer, 1883)	South Island takahe / takahē			B	B		
INTRODUCED AND NATURALISED							
<i>Alauda arvensis</i> Linnaeus, 1758	Eurasian skylark / kairaka	B	B	B	B	B	
<i>Alectoris chukar</i> (J.E. Gray, 1830)	chukor	B			B		
<i>Anas platyrhynchos</i> Linnaeus, 1758	mallard duck / rakiraki	B	B	B	B	B	P
<i>Anser anser</i> Linnaeus, 1758	greylag goose / kuihi	B	B	B	B	B	
<i>Athene noctua</i> (Scopoli, 1769)	little owl / ruru nohinohi	B	B	B	B	B	
<i>Branta canadensis</i> Linnaeus, 1758	Canada goose / kuihi	B	B	B	B	B	P
<i>Cacatua galerita</i> (Latham, 1790)	sulphur-crested cockatoo		SB	SP			
<i>Callipepla californica</i> Shaw, 1798	California quail / tikaokao	B	B	B	B	B	
<i>Carduelis carduelis</i> Linnaeus, 1758	European goldfinch / kōurarini	B	B	B	B	B	
<i>Carduelis chloris</i> (Linnaeus, 1758)	European greenfinch	B	B	B	B	B	
<i>Carduelis flammea</i> (Linnaeus, 1758)	common redpoll	B	B	B	B	B	
<i>Columba livia</i> Gmelin, 1789	rock pigeon / kererū aropari	B	B	B	B	B	

Continued next page

Conservation status of birds in Otago

Presence by Territorial Authority or Coastal Marine Area

Name and Authority	Common Name / Māori Name	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>Corvus frugilegus</i> Linnaeus, 1758	rook	SP	SP	P		SP	
<i>Emberiza cirlus</i> Linnaeus, 1766	cirl bunting	SB	P	SP	P	SB	
<i>Emberiza citrinella</i> Linnaeus, 1758	yellowhammer / hurukōwhai	B	B	B	B	B	
<i>Fringilla coelebs</i> Linnaeus, 1758	chaffinch / pahirini	B	B	B	B	B	
<i>Gymnorhina tibicen</i> (Latham, 1801)	Australian magpie / makipai	B	B	B	B	B	
<i>Meleagris gallopavo</i> Linnaeus, 1758	wild turkey / korukoru	B	B	SB	SB	B	
<i>Passer domesticus</i> (Linnaeus, 1758)	house sparrow / tiu	B	B	B	B	B	
<i>Phasianus colchicus</i> Linnaeus, 1758	common pheasant	B	B	B	B	B	
<i>Platycercus eximius</i> (Shaw, 1792)	eastern rosella / kākā uhi whero		SB	B		SB	
<i>Prunella modularis</i> (Linnaeus, 1758)	dunnock	B	B	B	B	B	
<i>Sturnus vulgaris</i> Linnaeus, 1758	common starling / tāringi	B	B	B	B	B	
<i>Turdus merula</i> Linnaeus, 1758	Eurasian blackbird / manu pango	B	B	B	B	B	
<i>Turdus philomelos</i> Brehm, 1831	song thrush / manu-kai-hua-rakau	B	B	B	B	B	

Table 3: Presence of Regionally Threatened, Regionally At Risk, Regionally Non-resident (Migrant and Coloniser only), Regionally Introduced and Naturalised, and Regionally Conservation Translocated bird taxa in freshwater management units (FMU) in the Otago Region. The Clutha Mata-au FMU has been further subdivided into five rohe (areas). *B* indicates a taxon has been observed breeding in a FMU or rohe over the last 20 years; *SB* indicates a taxon is suspected to breed in a FMU or rohe; *P* indicates a taxon was observed in a FMU or rohe; *SP* indicates a taxon is suspected in a FMU or rohe. The Māori name is from the National Conservation Status, except when from Checklist of the Birds of New Zealand as indicated by an asterisk (*)

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
REGIONALLY THREATENED										
REGIONALLY CRITICAL										
<i>Anarhynchus frontalis</i> Quoy & Gaimard, 1830	wrybill / ngutu pare			<i>P</i>	<i>P</i>			<i>B</i>		
<i>Botaurus poiciloptilus</i> (Wagler, 1827)	Australasian bittern / matuku-hūrepo	<i>SB</i>	<i>P</i>	<i>P</i>	<i>SB</i>	<i>SB</i>		<i>SB</i>	<i>SB</i>	<i>SB</i>
<i>Cyanoramphus novaezelandiae novaezelandiae</i> Sparrman, 1787	red-crowned parakeet / kākāriki	<i>SB</i>		<i>SB</i>	<i>B</i>					<i>SP</i>
<i>Diomedea sanfordi</i> Murphy, 1917	northern royal albatross / toroa			<i>B</i>						
<i>Hymenolaimus malacorhynchos</i> (Gmelin, 1789)	whio / kōwhiowhio							<i>B</i>		
<i>Megadyptes antipodes</i> (Hombron & Jacquinot, 1841)	yellow-eyed penguin / hoiho		<i>B</i>	<i>B</i>	<i>B</i>					
<i>Nestor notabilis</i> Gould, 1856	kea							<i>B</i>	<i>B</i>	
<i>Porzana tabuensis tabuensis</i> Gmelin, 1789	spotless crane / pūweto	<i>SB</i>		<i>SP</i>	<i>SB</i>				<i>P</i>	<i>SB</i>

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Xenicus gilviventris rineyi</i> Falla, 1953	southern rock wren / piwauwau							<i>B</i>		
REGIONALLY ENDANGERED										
<i>Chlidonias albobriatus</i> (G.R. Gray, 1845)	black-fronted tern / tarapirohe	<i>P</i>	<i>B</i>	<i>P</i>	<i>P</i>	<i>SB</i>	<i>SB</i>	<i>B</i>	<i>B</i>	<i>P</i>
<i>Eudynamys taitensis</i> (Sparrman, 1787)	long-tailed cuckoo / koekoeā			<i>P</i>	<i>B</i>			<i>B</i>	<i>SB</i>	<i>SB</i>
<i>Gallirallus australis hectori</i> (Hutton, 1873) *	buff weka / weka							<i>B</i>		
<i>Nestor meridionalis meridionalis</i> (Gmelin, 1788)	South Island kaka / kākā			<i>B</i>	<i>P</i>		<i>P</i>	<i>B</i>		
<i>Phalacrocorax carbo novaehollandiae</i> Stephens, 1826	black shag / kōau	<i>B</i>	<i>SB</i>	<i>B</i>	<i>SB</i>	<i>P</i>	<i>P</i>	<i>SB</i>	<i>SB</i>	<i>SB</i>
<i>Porzana pusilla affinis</i> (J.E. Gray, 1845)	marsh crake / kotoreke	<i>B</i>	<i>P</i>	<i>SB</i>	<i>SB</i>			<i>B</i>	<i>B</i>	
REGIONALLY VULNERABLE										
<i>Charadrius bicinctus bicinctus</i> Jardine and Selby, 1827	banded dotterel / pohowera	<i>B</i>	<i>B</i>	<i>P</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>B</i>	<i>B</i>	<i>P</i>
<i>Cyanoramphus auriceps</i> Kuhl, 1820	yellow-crowned parakeet / kākārīki	<i>P</i>			<i>B</i>			<i>B</i>		<i>SB</i>
<i>Falco novaeseelandiae novaeseelandiae</i> (Gmelin 1788)	eastern falcon / kārearea	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Haematopus finschi</i> Martens, 1897	South Island pied oystercatcher / tōrea	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Haematopus unicolor</i> J.R. Forster, 1844	variable oystercatcher / tōrea pango	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>					<i>B</i>
<i>Larus bulleri</i> Hutton, 1871	black-billed gull / tarāpuka	<i>B</i>	<i>B</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Leucocarbo chalconotus</i> G.R. Gray, 1845	Otago shag / matapo	<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>					
<i>Limosa lapponica baueri</i> Naumann, 1836	eastern bar- tailed godwit / kūaka	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>					<i>P</i>
<i>Mohoua ochrocephala</i> (Gmelin, 1789)	mohua / yellowhead				<i>B</i>			<i>B</i>		<i>B</i>
<i>Ninox novaeseelandiae novaeseelandiae</i> Gmelin, 1788	ruru	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>		<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Pachyptila turtur</i> (Kuhl, 1820)	fairy prion / titi wainui			<i>B</i>						
<i>Petroica australis australis</i> Sparrman, 1788	South Island robin / kakaruai			<i>B</i>				<i>B</i>		
<i>Phalacrocorax melanoleucos brevirostris</i> Gould, 1837	little shag / kawaupaka	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Podiceps cristatus australis</i> Gould, 1844	Australasian crested grebe / pūteketeke	<i>P</i>	<i>P</i>	<i>P</i>		<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>P</i>
<i>Puffinus griseus</i> (Gmelin, 1789)	sooty shearwater / titi		<i>SB</i>	<i>B</i>	<i>SB</i>					
<i>Sterna striata striata</i> Gmelin, 1789	white-fronted tern / tara	<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>					<i>P</i>
<i>Stictocorbo punctatus</i> (Sparrman, 1786)	spotted shag / kawau tikitiki	<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>					<i>P</i>
AT RISK										
DECLINING										
<i>Bowdleria punctata punctata</i> Quoy & Gaimard, 1830	South Island fernbird / mātātā	<i>B</i>	<i>SB</i>	<i>B</i>	<i>B</i>			<i>B</i>	<i>P</i>	<i>B</i>
<i>Mohoua novaeseelandiae</i> (Gmelin, 1789)	brown creeper / pīpīpī	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>		<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Zosterops lateralis lateralis</i> Latham, 1802	silveryeye / tauhou	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
RECOVERING										
<i>Larus novaehollandiae scopulinus</i> J. R. Forster, 1843	red-billed gull / tarāpunga	<i>P</i>	<i>B</i>	<i>B</i>	<i>P</i>					<i>P</i>
REGIONALLY NON-RESIDENT NATIVE										
REGIONAL MIGRANT*										
<i>Ardea modesta</i> J.E. Gray, 1831	white heron / kōtuku	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>		<i>P</i>	<i>P</i>	<i>P</i>

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Eudyptes pachyrhynchus</i> G.R. Gray, 1845	Fiordland crested penguin / tawaki		P	SB	SB					
<i>Hydroprogne caspia</i> (Pallas, 1770)	Caspian tern / taranui	P	P	P	P					P
<i>Pachyptila vittata</i> 75 Forster, G, 1777	broad-billed prion / pararā		SB	P						
<i>Pelagodroma marina maoriana</i> Mathews, 1912	New Zealand white-faced storm petrel / takahikare		SB							
<i>Pelecanoides urinatrix chathamensis</i> Murphy and Harper, 1916	southern diving petrel / kuaka		SB							
<i>Phalacrocorax varius varius</i> Gmelin, 1789	pied shag / kāruhiruhi	P	SB	SB	SB	P		P		P
REGIONAL COLONISER										
<i>Fulica atra australis</i> Gould, 1845	Australian coot	B	B	B		B	B	B	B	B
<i>Platalea regia</i> Gould, 1838	royal spoonbill / kotuku ngutupapa	P	B	B	B			P		P
CONSERVATION TRANSLOCATION *										
<i>Apteryx australis</i> "Haast"	Haast tokoeka			B						

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Philesturnus carunculatus</i> Gmelin, 1789	South Island saddleback / tieke			<i>B</i>						
<i>Porphyrio hochstetteri</i> (A.B. Meyer, 1883)	South Island takahe / takahē			<i>B</i>				<i>B</i>		
REGIONALLY NOT THREATENED										
<i>Acanthisitta chloris chloris</i> Sparrman, 1787	South Island rifleman / tītītipounamu	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>			<i>B</i>	<i>B</i>	<i>B</i>
<i>Anas gracilis</i> Buller, 1869	grey teal / tētē-moroiti	<i>B</i>	<i>SB</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Anas rhynchotis</i> (Latham, 1802)	Australasian shoveler / kuruwhengi	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>SB</i>	<i>P</i>
<i>Anthornis melanura melanura</i> Sparrman, 1786	bellbird / kōparapara	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Anthus novaeseelandiae novaeseelandiae</i> Gmelin, 1789	New Zealand pipit / pīhoihoi	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Aythya novaeseelandiae</i> (Gmelin, 1789)	New Zealand scaup / pāpango	<i>B</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>SB</i>	<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Chrysococcyx lucidus lucidus</i> Gmelin, 1788	shining cuckoo / pīpīwharauoa	<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Circus approximans</i> Peale, 1848	Australasian harrier / kāhu	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Cygnus atratus</i> (Latham, 1790)	black swan / kakiānau	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Egretta novaehollandiae</i> (Latham, 1790)	white-faced heron / matuku moana	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>SB</i>	<i>SB</i>	<i>B</i>	<i>B</i>
<i>Eudyptula novaehollandiae</i> (Stephens, 1826)	Australian little penguin / kororā		<i>B</i>	<i>B</i>	<i>B</i>					
<i>Gerygone igata</i> (Quoy & Gaimard, 1830)	grey warbler / riroriro	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Hemiphaga novaeseelandiae</i> Gmelin, 1789	kererū / New Zealand pigeon	<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>P</i>	<i>B</i>
<i>Himantopus himantopus leucocephalus</i> Gould, 1837	pied stilt / poaka	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Hirundo neoxena neoxena</i> Gould, 1842	welcome swallow / warou	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Larus dominicanus dominicanus</i> Lichtenstein, 1823	southern black- backed gull / karoro	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Petroica macrocephala macrocephala</i> Gmelin, 1789	South Island tomtit / ngirungiru	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Porphyrio melanotus melanotus</i> Temminck, 1820	pukeko	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>SB</i>	<i>B</i>	<i>B</i>	<i>B</i>

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Rhipidura fuliginosa fuliginosa</i> (Sparrman, 1787)	South Island fantail / piwakawaka	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Prosthemadera novaeseelandiae novaeseelandiae</i> (Gmelin, 1788)	tūi	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Tadorna variegata</i> (Gmelin, 1789)	paradise shelduck / pūtakitaki	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Todiramphus sanctus vagans</i> (Lesson, 1828)	New Zealand kingfisher / kōtare	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>P</i>	<i>P</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Vanellus miles novaehollandiae</i> Stephens, 1819	spur-winged plover	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
REGIONALLY INTRODUCED AND NATURALISED										
<i>Alauda arvensis</i> Linnaeus, 1758	Eurasian skylark / kairaka	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Alectoris chukar</i> (J.E. Gray, 1830)	chukor	<i>SB</i>	<i>SB</i>			<i>B</i>	<i>SP</i>	<i>B</i>	<i>B</i>	
<i>Anas platyrhynchos</i> Linnaeus, 1758	mallard duck / rakiraki	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Anser anser</i> Linnaeus, 1758	greylag goose / kuihi	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Athene noctua</i> (Scopoli, 1769)	little owl / ruru nohinohi	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Branta canadensis</i> Linnaeus, 1758	Canada goose / kuihi	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>P</i>

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Cacatua galerita</i> (Latham, 1790)	sulphur-crested cockatoo	SP			B					B
<i>Callipepla californica</i> Shaw, 1798	California quail / tikaokao	B	B	B	B	B	B	B	B	B
<i>Carduelis carduelis</i> Linnaeus, 1758	European goldfinch / kōurarini	B	B	B	B	B	B	B	B	B
<i>Chrysolophus pictus</i> (Linnaeus, 1758)	golden pheasant		P							
<i>Carduelis chloris</i> (Linnaeus, 1758)	European greenfinch	B	B	B	B	B	B	B	B	B
<i>Carduelis flammea</i> (Linnaeus, 1758)	common redpoll	B	B	B	B	B	B	B	B	B
<i>Columba livia</i> Gmelin, 1789	rock pigeon / kererū aropari	B	B	B	B	B	B	B	B	B
<i>Corvus frugilegus</i> Linnaeus, 1758	rook	P	SP							SP
<i>Emberiza cirlus</i> Linnaeus, 1766	cirl bunting	SB	SB	SP	SP	SB	P	P	SB	P
<i>Emberiza citrinella</i> Linnaeus, 1758	yellowhammer / hurukōwhai	B	B	B	B	B	B	B	B	B
<i>Fringilla coelebs</i> Linnaeus, 1758	chaffinch / pahirini	B	B	B	B	B	B	B	B	B
<i>Gymnorhina tibicen</i> (Latham, 1801)	Australian magpie / makipai	B	B	B	B	B	B	B	B	B
<i>Meleagris gallopavo</i> Linnaeus, 1758	wild turkey / korukoru	B	SB	SB	SB	B	B	SB	B	SB

Continued next page

Conservation status of birds in Otago

Presence by freshwater management unit or rohe continued

Name	Common Name / Māori Name	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
<i>Passer domesticus</i> (Linnaeus, 1758)	house sparrow / tiu	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Phasianus colchicus</i> Linnaeus, 1758	common pheasant	<i>SB</i>	<i>B</i>	<i>B</i>	<i>SB</i>	<i>SP</i>	<i>SB</i>	<i>B</i>	<i>B</i>	<i>SB</i>
<i>Platycercus eximius</i> (Shaw, 1792)	eastern rosella / kākā uhi whero	<i>B</i>	<i>B</i>	<i>B</i>	<i>SB</i>					<i>SB</i>
<i>Prunella modularis</i> (Linnaeus, 1758)	dunnock	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Sturnus vulgaris</i> Linnaeus, 1758	common starling / tāringi	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Turdus merula</i> Linnaeus, 1758	Eurasian blackbird / manu pango	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>
<i>Turdus philomelos</i> Brehm, 1831	song thrush / manu-kai-hua- rakau	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>

Discussion

Regional threat assessments have been completed by regional or unitary councils in Aotearoa New Zealand, including by the Otago Regional Council. This report is the first regional conservation status for birds in the Otago Region. A total of 288 bird taxa were identified as in, or near, the Otago since human arrival in Aotearoa New Zealand (Figure 1). Of these taxa, 32 are Regionally Threatened, four are Regionally At Risk, 139 are Regionally Non-resident, 23 are Regionally Not Threatened; 10 are Regionally Data Deficient; and 25 taxa were Introduced and Naturalised. Additionally, 43 taxa are identified as Regionally Extirpated, 10 taxa were Introduced, Not Established, and two are Not Assessed. Conservation Translocations to reintroduce or introduce four bird species to the region have happened for conservation purposes.

For 32 Regionally Threatened taxa in the Otago region, nine are Regionally Critical, six are Regionally Endangered, and 17 are Regionally Vulnerable. Of the four Regionally At Risk taxa, three are Regionally Declining and one is Regionally Recovering. The number of Regionally Not Threatened taxa is 23. For Regionally Non-resident Native species, 37 are Regional Migrants, 100 are Regional Vagrants, and two are identified as a Regional Coloniser. In Otago, 43 taxa were identified as Regionally Extirpated, with 30 taxa globally extinct and 13 taxa extant but extinct from the region.

Regionally extirpated bird taxa

The number of extirpated bird taxa in Otago is at least 43, including 13 regional extirpations and 30 national extinctions (Table 1.1). Of the 13 regional extirpations, two are considered nationally as Data Deficient and 10 are Threatened or At Risk. Of the 30 global extinctions, seven were for species of moa (order Dinornithiformes); six were ducks, swan, goose, and merganser (order Anseriformes); six were for wrens, a raven, and a piopio (order Passeriformes); three were adzebill and rallidae (order Gruiformes); two were for an eagle and a harrier (order Accipitriformes); one for a penguin (order Sphenisciformes); one for an owllet-nightjar (order Apodiformes); one for a bittern (order Pelecaniformes); one for an owl (order Strigiformes); one for a snipe (order Charadriiformes); and one for a quail (order Galliformes). While most of the extinct taxon have fossil records from Otago, three were assumed to have occurred in the region (crested moa, *Pachyornis australis*; long-billed wren, *Dendroscansor decurvirostris*; and the South Island stout-legged wren, *Pachyptilichas yaldwyni*). This is based on a disjunct distribution of deposits on either side of Otago and presumed suitable habitat in the region. Although the New Zealand swan, *Cygnus sumnerensis*, was not assessed in the national assessment by Robertson et al. (2021), it is a confirmed extinct taxon (Rawlence et al. 2017, 2018) in the Checklist of the Birds of New Zealand (Checklist Committee, 2022).

Regionally Data Deficient bird taxa

The Otago region has 10 Regionally Data Deficient bird taxa (Table 1.2), who were assigned to this category for two main reasons. First, *uncertain taxonomy* for four taxa: 1) the grey duck / pārerā, *Anas superciliosa*, has extensively hybridised with introduced mallards to the extent that few grey ducks / pārerā may exist in Aotearoa New Zealand, and the Otago region is not considered a stronghold for potentially pure grey ducks; 2) only two subspecies of blue penguins / kororā are recognised by the Checklist of the Birds of New Zealand (Checklist Committee, 2022) but it's unclear whether the southern blue penguin / kororā, *Eudyptula minor minor*, as in the NZTCS taxonomy are in the region (Grosser et al. (2015, 2017); 3) similarly for white-flipped blue penguin / kororā, *Eudyptula minor albosignata*, there are only two subspecies of blue penguins recognised by the Checklist of the Birds of New Zealand (Checklist Committee, 2022), but varying degrees of white-flippedness are observed at Ōamaru (Agnew pers. comm. July 2024); and 4) the discovery of a carcass from a recently dead bird at Boulder beach, Otago Peninsula / Muaūpoko, that resembled a Foveaux shag / mapo, *Leucocarbo stewarti*.

Second, *uncertainty over distributional range limits* for seven taxa; one was for a terrestrial bird while the remaining six were for seabirds. For northern Buller's mollymawk / toroa, *Thalassarche bulleri platei*, there was uncertainty whether they are found in the region despite being recorded in adjacent seas; for Chatham Island taiko / tāiko, *Pterodroma magentae*, there was uncertainty they are found in the region despite recent tracking studies showing that they forage near the Otago canyons; for the fulmar prion, *Pachyptila crassirostris*, there was uncertainty they are found in the region despite reports of them of the coast of Te Waipounamu / South Island with this uncertainty due to difficulty of field identification; for Tasmanian albatross / toroa, *Thalassarche cauta cauta*, there was uncertainty they are found in the region because they are hard to distinguish from the New Zealand white-capped / toroa, *Thalassarche cauta steadi*; for black winged petrel / kareta kapa mangu, *Pterodroma nigripennis*, there was uncertainty whether they are found in the region despite being recorded in adjacent seas; for the western weka / weka, *Gallirallus australis australis*, there was uncertainty whether populations are found in the region despite being present in adjacent areas such as Eglinton Valley. In addition, although for weka they have been officially recorded in 2024 and 2025 in Ōtepoti, these individuals are likely to have been caught and transported to the area and are, therefore, escapees or released animals as there are no known populations in or around the city. The provenance of these weka is unknown as no genetic testing of birds has occurred.

Regionally Threatened bird taxa

In the Otago region there were 32 Regionally Threatened bird taxa (Tables 1.3.1, 1.3.2, and 1.3.3). These include nine bird taxa that were Regionally Critical, six Regionally Endangered, and 17 Regionally Vulnerable. Of the nine Regionally Critical bird taxa, seven were in the Threatened category in the national threat assessment, where they had the statuses Nationally Critical for one species, Nationally Endangered for three species, Nationally Vulnerable for two species, and Nationally Increasing for one species. The remaining two Regionally Critical bird taxa were in the At Risk category nationally, each with one species in the statuses Declining and Relict. Of the Regionally Endangered taxa, all were closer to extirpation regionally than they are nationally to extinction: one was considered nationally as Threatened and three At Risk. For Regionally Vulnerable bird taxa, there were 19 identified (Table 1.3.2). Of these bird taxa, four were in the Threatened category in the national assessment (Table 1.3.3). Four taxa were in the equivalent regional- and national-status, with one taxon differing. The taxon which differed between the national assessment and regional assessment is the regionally endemic Otago shag / matapo (Jarvie 2025c), because more up-to-date information was available compared to when the national assessment was conducted (Parker & Rexer-Huber 2022); instead of an increasing population of > 10 % the taxon was assessed as stable $\pm$ 10 %.

Regionally At Risk bird taxa

In the Otago region four bird taxa were assigned a Regionally At Risk category (Tables 1.4.1 and 1.4.2). One taxon was Regionally Recovering while three taxa were Regionally Declining. In contrast to declines in the red-billed gull / tarāpunga, *Larus novaehollandiae scopulinus*, populations nationally, since the early 1990s the regional population has increased with mammalian predator control on the Otago Peninsula / Muaūpoko. The Regionally Declining species have a population decline of 10–30 % in Otago for the South Island fernbird / mātātā, *Bowdleria punctata punctata*, brown creeper / pīpīpi, *Mohoua novaeseelandiae*, and silvereye / tauhou, *Zosterops lateralis lateralis*. Although the brown creeper / pīpīpi over most of its Otago range is likely experiencing a decline in numbers, the taxon has a secure population in Orokonui Ecosanctuary – Te Korowai o Mihiwaka (hereafter, Orokonui Ecosanctuary). In other words, this taxon meets the Partial Decline qualifier as its declining over most of its range, but with a secure population in the sanctuary. The NZ Garden Bird Survey (MacLeod et al. 2022) showed for silvereyes / tauhou in Otago from 2013 to 2023 a shallow decline, although this decline was moderate from 2018 to 2023.

Regionally Non-resident Native bird taxa

The Otago region had 139 Regionally Non-resident Native bird taxa (Tables 1.5.1, 1.5.2, 1.5.3). Of these bird taxa, 37 are Regional Migrants, 100 are Regional Vagrants, and two are Regional Colonisers. The number of Regional Migrant bird taxa considered nationally to be Threatened was eight (Nationally Critical: 4; Nationally Vulnerable: 4), nationally At Risk was 17 (Declining:

4; Recovering: 2; Relict: 8; Naturally Uncommon: 3), and nationally Not Threatened was four (Table 1.5.1). For the remainder of the Regional Migrants, they are Non-resident Natives in the national assessment; one taxon had the status Coloniser and the remaining six were Migrants. The Regional Migrants were all seabirds except for the white heron / kōtuku.

Of the Regional Vagrants, seven are considered nationally as Threatened (Nationally Critical: 2; Nationally Endangered: 1; Nationally Vulnerable: 3; Nationally Increasing: 1), nine are At Risk (Declining: 1; Naturally Uncommon: 6; Relict: 2), one was Not Threatened, and one was Introduced and Naturalised (Table 1.5.2). The remainder of the Regional Vagrants are Non-resident Natives in the national assessment (Coloniser: 4; Migrant: 18; Vagrants: 56) and an Introduced and Naturalised (1; sightings of single birds in Otago are regarded as vagrants).

Two bird taxa were assessed as Regional Colonisers: the royal spoonbill / kōtuku ngutupapa, *Platalea regia*, and Australian coot, *Fulica atra australis* (Table 1.5.3). Royal spoonbill / kōtuku ngutupapa were first reported in Aotearoa New Zealand at Castlepoint / Rangiwahakaoma, Wairarapa, in 1861 (Buller 1869), with breeding confirmed at Waitangiroto in 1949 (Oliver 1955). Breeding has subsequently been reported from other part of the country, including Otago; for example, at Maukiekie Island, Moeraki, 1983–84 (P. Schweigman in Marchant & Higgins 1990); Green Island, Ōtepoti Dunedin, 1988 (P. Schweigman in Marchant & Higgins 1990); Nugget Point / Tokatā, 1995; Taieri Island / Moturata, 1997; Heywood Point, Otago, 2003 (Schweigman 2006); Taiaroa Head / Pukekura, 2004; and the Catlins, 2004 (Schweigman 2006). The Australian coot self-introduced in the 20th century, and was first recorded breeding on Lake Hayes / Waiwhakaata, Otago, in 1958. Given the number of royal spoonbill / kōtuku ngutupapa and Australian coot in Otago still trigger ‘Threatened’ categories because of their population sizes but arrived in the region without help from humans and have successfully reproduced in the wild since 1950, they were assigned the Regional Coloniser status.

Regional Non-Threatened bird taxa

The number of Regionally Not Threatened bird taxa in Otago was 23 (Table 1.6). Of the Regionally Not Threatened taxa only the New Zealand pipit / pīhoihoi, *Anthus novaeseelandiae novaeseelandiae*, had a threat status with a reduced risk of extinction regionally compared to nationally, i.e., Regionally Not Threatened cf. to At Risk Declining. This is because in Otago there is no evidence of decline for New Zealand pipit / pīhoihoi populations, with the species still well-distributed in suitable habitat types in the region that are not as impacted as elsewhere in the country.

Regional Conservation Translocations of bird taxa

For bird taxa in Otago, conservation translocations – the intentional movement and release of organisms to restore populations – have been used to establish populations (IUCN/SCC 2013;

Table 1.7). Types of conservation translocations already used have included reintroduction, the re-establishment of focal taxon within their indigenous range, including for taxa which have gone locally extinct in parts of the region, such as the South Island kākā and South Island robin / kakaruai released at Orokonui Ecosanctuary in 2008 and 2010, respectively. South Island kākā have established a breeding population with fledglings seen at feeders inside the reserve each autumn, with some individuals observed dispersing long distances from the sanctuary; there are concerns that birds spending time outside the fence also face threats such as introduced predators and inappropriate feeding. Eggs have also failed to hatch for unknown reasons (Otago Natural History Trust 2019). Since their reintroduction, South Island robins / kakaruai have established throughout the sanctuary. The population was estimated to number 80–90 pairs in 2018 (L. Easton pers. comm. in Otago Natural History Trust 2019). South Island robins / kakaruai are now seen outside the reserve, e.g., an individual was seen at Ross Creek in Ōtepoti Dunedin having possibly dispersed from the sanctuary, and at least one population has established in the vicinity of the reserve (Otago Natural History Trust 2019).

For reintroductions where taxon went extinct in the region, this has also occurred: for example, buff weka / weka translocations started in the 2000s and South Island takahē more recently. Buff weka / weka were formerly widespread in eastern low-rainfall areas from Marlborough / Te Taihū-o-te-Waka to Southland / Murihiku in the Te Waipounamu / South Island. The taxon apparently died out on the mainland but remains abundant on Chatham Islands / Rēkohu / Wharekauri and Pitt Island / Rangihau / Rangīāuria where they were introduced in 1905. Introduced to islands in Lakes Wānaka and Wakatipu / Whakatipu Waimāori 2002–08 (Miskelly & Powlesland 2013; Palmer pers. obs., May 2025). This includes to Stevensons Island (Te Peka Karara), Lake Wānaka (2002), Harwich Island (Mou Waho), Lake Wānaka (2005); Pigeon Island (Wāwāhi Waka), Lake Wakatipu / Whakatipu Waimāori (2005–06, 2008); Pig Island (Matau), Lake Wakatipu / Whakatipu Waimāori (2006–08). Failed translocations in Otago include to Stevensons Peninsula, Lake Wānaka (2009) and possibly Motatapu Station, Lake Wānaka (2011–12) (Watts et al. 2017). All these translocations of buff weka / weka since 2002 were joint projects between the Papatipu Rūnaka of Otago and Te Papa Atawhai – Department of Conservation’s Otago Conservancy.

South Island takahē were once widespread throughout Te Waipounamu / South Island but following the arrival of humans, the associated introduction of other mammalian predators, and habitat loss, resulted by the 1940s in only remnant population in the mountains of Te Rua-o-Te-Moko / Fiordland. The modern conservation programme has set up additional populations, and advocacy sites. In August 2023, 18 takahē (nine pairs) were released into the Greenstone Valley, near Glenorchy at the head of Lake Wakaitipu – Whakatipu Waimāori. A further six juveniles were released in November 2023, with further reinforcements planned. In March 2025, four takahē

deaths were reported due to stoat predation, with a fifth the cause of death being unknown. The reporting noted that a population of 20 to 30 takahē have been living in the Greenstone for more than 18 months and the health and productivity of the birds has exceeded expectations, with two active breeding seasons indicating the Greenstone Valley as a promising wild site. Efforts to establish a population of up to 80 takahē in the nearby Rees Valley began in February 2025 with the release of 18 birds, a subsequent release of 33 birds in April 2025, with a further release planned for Spring 2025. The number of takahē in the Rees Valley has been reported as being the second largest wild population. Two pairs of South Island takahē are currently at Orokonui Ecosanctuary (E. Smith, pers. comm., 2023, Orokonui Ecosanctuary, Conservation Manager). While takahē are free roaming at Orokonui Ecosanctuary, with one pair in the upper sanctuary separated by a low fence from the other pair in the lower sanctuary due to their being defensive about territories, a self-sustaining population is not possible. The sanctuary is an important advocacy site for takahē while also serving as a crèche, with patches of takahē habitat for at least two pairs of birds to live (Hunter-Ayad et al., 2021; Otago Natural History Trust, 2019).

Another type of conservation translocation is assisted migration, or managed relocation, the movement of the focal taxa outside its indigenous range to avoid extinctions (Seddon et al. 2014). In Otago Haast tokoeka / tokoeka were released at Orokonui Ecosanctuary in 2010 (Otago Natural History Trust 2019). Since being translocated to Orokonui Ecosanctuary the threat status of Haast tokoeka / tokoeka has improved in the national assessment from Nationally Critical to Nationally Vulnerable due to the extensive trapping of predators and use of aerial 1080 poison operations over the core 6000-ha area of South Westland occupied by the taxon. Additionally, the discovery of a small satellite population of *ca.* 12 pairs 15 km west of the previously known range, and *ex situ* management through Operation Nest Egg (ONE) and the establishment of small populations on Coal / Te Puka-Hereka, Pomona, and Rarotoka islands and at Orokonui Ecosanctuary, resulted in the population growing to *ca.* 450 mature individuals by 2018 (Germano et al. 2018).

Future conservation translocations of candidate taxa discussed in restoration plans for the mainland sanctuary at Orokonui Ecosanctuary include one of the three species of kakariki (yellow-crowned, red-crowned, orange-fronted), South Island saddleback / tieke, Snares Island snipe / tutukiwi, mohua / yellowhead, mottled petrel / kōrure, and sooty shearwater / tītī (Otago Natural History Trust 2019). South Island saddleback / tieke were reintroduced in 2009 (Masuda et al. 2010; Masuda & Jamieson 2012) and reinforced in 2013 (Otago Natural History Trust 2019). An unknown number of these birds migrated out of the reserve, but a small breeding population had established by 2015, suggesting suitable habitat exists to support this taxon. In that year, however, South Island saddleback / tieke were extirpated in the sanctuary, most likely because of one or more incursions by stoats (E Smith pers. comm. in Otago Natural History Trust 2019).

In early 2025, ~100 individuals were translocated to Orokonui Ecosanctuary as a partnership between the Rakiura Titi Island Administering Body, Kāti Huirapa Rūnaka ki Puketeraki and the sanctuary.

Regionally Introduced and Naturalised bird taxa

In Otago, 25 bird taxa were identified as Regionally Introduced and Naturalised (Table 1.8). These are taxa that have become naturalised in the wild after being deliberately or accidentally introduced in Aotearoa New Zealand by human agency. All of these taxa in Otago have populations secure overseas. While most of these bird taxa have large populations in Otago, some are considerably smaller in size, although often there is low confidence on the size of the populations.

Regionally Introduced, not Established bird taxa

The Regionally Introduced, not Established bird taxa category is analogous to that found in New Zealand Birds online website but for Otago only (Table 1.9). This category includes bird taxa sighted where: 1) a release is documented, but with non-sustaining population not yet establishing in the wild or where a deliberate introduction is documented; and 2) published records indicate the species bred (or probably bred), but it is no longer extant. Of the 10 bird taxa identified, seven are listed in the national assessment: six Introduced and Naturalised taxa, one Not Assessed, and three are not included. The six taxa in the national assessment identified as Introduced and Naturalised were suspected to most likely be escapees from captivity or released animals. The Not Assessed taxon was the feral chicken. Although assessed as Introduced and Naturalised in earlier versions of the national assessment, it was removed from the 2021 national assessment (Robertson et al. 2021). While known to breed in the wild in Aotearoa New Zealand, no viable wild populations have established, and most enclaves are supplemented by ongoing releases and/or supplementary feeding (Heather & Robertson 2015). The three taxa (cockatiel, golden pheasant, muscovy duck) not included in the national assessment but reported here are postulated to live in semi-wild states bolstered by birds that escape from captivity or are released. The locations where Regionally Introduced, not Established bird taxa have been documented by Territorial Authority, Coastal Marine Area, and Freshwater Management Unit or rohe are noted in Appendices 9 and 10.

Regionally Not Assessed bird taxa

In Otago two bird taxa were not assessed by the national assessment (Robertson et al. 2021), including crimson rosella, *Platycercus elegans*, and the Magellanic penguin, *Spheniscus magellanicus*. While the crimson rosella was assessed as Introduced and Naturalised in earlier versions of the national assessment, a breeding population of this species in Ōtepoti Dunedin died out in the 1950s (Heather & Robertson 2015). The national panel assessed that the species

is no longer naturalised in Aotearoa New Zealand and so removed it from the 2021 list (Robertson et al. 2021). The magellanic penguin was excluded from the latest national assessment, because its occurrence in Aotearoa New Zealand is regarded as a failed introduction rather than as a vagrant (Gill et al. 2010).

Select Regional Qualifiers discussion

Qualifiers can be an integral part of threat assessments by helping to define a taxon's assessment, status, and management. Below are explanations of why some regional qualifiers were used for bird taxa in Otago.

Regional Endemics and National Strongholds

The Otago region had eight species assigned the qualifier National Stronghold (Appendix 9; Jarvie 2025d). These species have > 20% of the national population in Otago. The only regional endemic, i.e., known to exclusively breed in the region, is the Otago shag / matapo. Of the taxa that have National Strongholds in Otago, seven were Regionally Threatened (Regionally Critical = 1; Regionally Vulnerable = 6), and one was Regionally At Risk (Regionally Recovering).

Type Locality

In Otago, the number of taxa with type localities was 13 (Appendix 10). The type locality of a nominal taxon refers to the geographical (and, where relevant, stratigraphical) place of capture, collection, or observation on the name-bearing type or specimen. There were four extant taxa with type localities in Otago: Australasian crested grebe / pūteketeke, fairy prion / tītī wainui, Fiordland crested penguin / tawaki, and Otago shag / matapo. Nine globally extinct species have their type locality in the region.

Increasing

While most resident indigenous bird taxa were declining (< 10%; 20 taxa) or stable ($\pm$ 10%; 34 taxa) in total population in Otago, four taxa had the qualifier Increasing, i.e., there is an ongoing or forecast increase of > 10% in the total population, taken over the next 10 years or three generations, whichever is longer: Haast tokoeka, Australian coot, northern royal albatross / toroa, and Australasian crested grebe / pūteketeke. The red-billed gull / tarāpunga also has > 10 % ongoing or forecast increase in total population, but this qualifier is redundant for taxa ranked as 'Recovering'.

Haast tokoeka / tokoeka were released at Orokonui Ecosanctuary in 2010. The number of individuals in the lower sanctuary has increased to approximately 35 birds (Smith, pers comm. 2024). However, the carrying capacity for Haast tokoeka / tokoeka at Orokonui Ecosanctuary is limited due to the size of sanctuary, so growth is unlikely to continue for much longer. For Australian coot, a subspecies of the Eurasian coot that self-introduced into Aotearoa New

Zealand from Australia in the 20th century, was first recorded breeding in Aotearoa New Zealand on Lake Hayes / Waiwhakaata, Otago in 1958. While the first northern royal albatross / toroa chick fledged at Taiaroa Head / Pukekura in 1938, the number of mature individuals was 242 as of October 2023. Australasian crested grebe / pūteketeke are currently increasing in Aotearoa New Zealand after reaching a low of about 200 birds in the 1980s. In Otago counts of adults rose from a total of 96 in the 2004 census to 173 in 2021, and 384 adults were counted in 2024.

Climate Impact

Of the resident native bird taxa 25 were assigned the Climate Impact qualifier. This qualifier can be applied when the taxon is, or is predicted, to be adversely affected by long-term climate trends and/or extreme climatic events. All the birds in Otago who were assigned this qualifier were in the Regionally Threatened or Regionally At Risk categories, except for the New Zealand pipit / pihoihoi and Australian little penguin / kororā. Using the AVONET dataset for all birds that includes morphological, geographical, and ecological data (Tobias et al. 2022), the main habitat for those birds with the Climate Impact qualifier was coastal or marine for 12 taxa, wetland or riverine for seven taxa, and forest, grassland or shrubland for six taxa. Most bird taxa had a trophic niche mainly as aquatic predators (n = 16), with the remainder being a mix of omnivores (n = 5), insectivores (n = 3), and granivores (n = 1). The regional conservation status was Regionally Critical for seven bird taxa, Regionally Endangered for two bird taxa, Regionally Vulnerable for 12 bird taxa, Regionally Recovery for one bird taxon, Regional Conservation Translocation for one bird taxon, and Regionally Not Threatened for two bird taxa.

A major reason for the those in the aquatic domains to have the Climate Impact qualifier was due to direct or indirect impacts because of coastal squeeze, the loss of habitats urban development compounded by sea-level rise and an increased intensity and frequency of extreme weather events (Keegan et al. 2022). For those bird taxa in the terrestrial domain more complicated indirect processes include the clear evidence for the spread of pest animal species increasing into habitats of vulnerable bird taxa, causing thermal squeeze (Walker et al. 2019).

Conservation Dependent

A Conservation Dependent taxon are those likely to move to a worse conservation status if current management ceases. The term 'management' can include indirect actions that benefit taxa, such as elimination of mammalian predators from ecosanctuaries. Of the 17 bird taxa identified with the Conservation Dependent qualifier in Otago they were either Regionally Threatened or had been a Conservation Translocation to the region, except for the Australian little penguin / kororā. Six taxa with the status Regionally Critical had the Conservation Dependent qualifier. Most of these were because they had a population size less than 250 mature individuals, except for the southern rock wren / pīwauwau and yellow-eyed penguin /

hoiho with a population of 250–1000 mature individuals but population trends decreasing by 50–70 % and trend decreasing by 70 %, respectively.

One Location

Two taxa assigned the qualifier One Location for Otago: Haast tokoeka / tokoeka and northern royal albatross / toroa. Haast tokoeka / tokoeka are only found at Orokonui Ecosanctuary, where they were released in 2010. Although the breeding range for northern royal albatross / toroa is primarily the Chatham Islands / Rēkohu / Wharekauri (Forty-Fours Motchuhar / Motuhara, Big and Little Sister Islands / Rakitchu / Rangitatahi), there is a colony at Taiaroa Head / Pukekura on the Otago Peninsula / Muaūpoko.

Range Restricted

The number of bird taxa with the Range Restricted qualifier was six. Although five of the six taxa were Range Restricted in the national assessment, the regional panel also considered the endemic Otago shag / matapo. This is because the Otago shag / matapo typically roost on headlands, small islands, and now man-made structures, totalling less than 100 km². Although the qualifier specifies natural substrates, the man-made structures are small in total area.

Restored Native

In Otago the two bird taxa to have been regionally extirpated and to be reintroduced with extant populations are buff weka and South Island takahē. Buff weka species were formerly widespread in eastern low-rainfall areas from Marlborough / Te Taihū-o-te-Waka to Southland / Murihiku, but died out on the mainland, only surviving on the Chatham Islands / Rēkohu / Wharekauri and Pitt Island / Rangihau / Rangiauria where it was introduced in 1905. Following reintroduction attempts, buff weka are currently found on four islands in two lakes in Otago, and reintroduced individuals may be remnant in the Motatapu Valley. Although South Island takahē have been translocated to Orokonui Ecosanctuary, the Greenstone Valley and the Rees Valley, they are not yet self-sustaining populations. The translocations of South Island takahē are led by DOC's Takahē Recovery Programme, supported by National Partner Fulton Hogan and New Zealand Nature Fund, together with Kāi Tahu, with additional support for the Rees Valley translocation by Southern Lakes Sanctuary and Rees Valley Station. Although South Island saddleback / tieke were translocated to Orokonui Ecosanctuary in 2009 and 2013, a population did not establish due to a stoat incursion in 2015, despite initially showing promising signs (Otago Natural History Trust 2019). In early 2025, however, ~100 individuals were translocated to Orokonui Ecosanctuary as a partnership between the Rakiura Tītī Island Administering Body, Kāti Huirapa Rūnaka ki Puketeraki and the sanctuary. South Island kākā have also been reintroduced to Orokonui Ecosanctuary, with conspecifics already being within the region.

Introduced Native

The only bird taxon with the Introduced Native qualifier was the Haast tokoeka. Since 2010 Haast tokoeka / tokoeka have been in Otago at Orokonui Ecosanctuary, where there is now estimated to be between 35 mature individuals in the lower sanctuary. Although there are additional Haast tokoeka / tokoeka in the upper sanctuary these birds are part of a creche where they are reared until they are large enough to be released in the wild. Although Haast tokoeka / tokoeka were unlikely to have been the kiwi subspecies in the eastern Te Waipounamu / South Island, there was likely a tokoeka taxon found nearby.

Former Resident

At least three bird taxa formerly had breeding populations (existing for more than 50 years) in Otago but were extirpated from the region yet continue to arrive as a regional vagrant or migrant: black stilt / kakī and southern New Zealand dotterel / pukunui. The black stilt / kakī was once widespread in Aotearoa New Zealand, but the range contracted to Waitaha / Canterbury and Otago in the 1950s, South Canterbury-North Otago by the 1970s, and the Mackenzie Basin / Te Manahuna by the 1980s. Outside the breeding season most black stilt / kakī move locally within the Mackenzie Basin / Te Manahuna, but < 10 individuals visit the Otago region each year, making them currently a Regional Vagrant. The southern New Zealand dotterel / tūturiwhatu was formerly widespread on Te Waipounamu / South Island but was extirpated by about 1900. The breeding range is now confined to Rakiura / Stewart Island, but occasionally birds are seen in Otago, so they are a Regional Vagrant. Although Fiordland crested penguin / tawaki breed in South Westland, many sites in Te Rua-o-Te-Moko / Fiordland, Hautere / Solander Island, Whenua Hou / Codfish Island and Rakiura / Stewart Island and outliers, historic accounts and fossil records suggest breeding was more widespread in the past, including in Otago. More than 15 Fiordland crested penguin / tawaki are resumed to visit the Otago region each year, making the taxon a Regional Migrant.

Presence of Bird Taxa in Territorial Authorities, Coastal Marine Area, and Freshwater Management Units or rohe

Numerous bird taxa are present in every Territorial Authorities, Coastal Marine Area, and Freshwater Management Unit or rohe in the Otago Region for the categories of Regionally Threatened, Regionally At Risk, Regionally Non-resident Native (Migrant and Coloniser only), Regionally Introduced and Naturalised, and Regionally Conservation Translocated bird (Tables 2 and 3). In these categories 126 bird taxa were recorded as present in Territorial Authorities or the Coastal Marine Area, with 101 on them being native (Table 2). The most speciose territorial authority is Dunedin City Council with 88, followed by Clutha District Council with 81, Waitaki District Council (Otago part only) with 78 taxa, followed by Queenstown Lakes District Council

with 74, and Central Otago District Council with 64 taxa. The Region had 71 bird taxa (69 native, two Introduced and Naturalised) recorded from its Coastal Marine area, particularly highlighting the importance of Otago's coastal and marine space to indigenous biodiversity in Aotearoa New Zealand. All Regional Migrants in Otago were recorded from in or near to the Coastal Marine Area (Table 2). The Regional Migrants were all seabirds except for the white heron / kōtuku.

Of the above categories the number of bird taxa recorded in Otago Regional Council's Freshwater Management Units (FMU) or rohe range 96, with 69 of these being native (Table 3). The most speciose FMU or rohe is the Dunedin & Coast FMU with 85 taxa, followed by Catlins FMU with 80 taxa, North Otago with 78 taxa, Taieri / Taiari FMU with 75 taxa, Lower Clutha Rohe with 74 taxa, Upper Lakes Rohe with 73, Dunstan Rohe with 63 taxa, and both Manuharekia Rohe and Roxburgh Rohe with 56.

Summary

In this report, the number of bird species recorded in the Otago Region since human arrival were identified and collated systematically. A panel of experts then applied a consistent framework to assign the conservation status, trends, and qualifiers to these taxa. These findings highlighted in Otago a high number of Regionally Threatened, Regionally At Risk, Regionally Data Deficient, and Regionally Non-resident Natives.

Although DOC is tasked with managing indigenous taxa nationally, regional and district councils have a statutory obligation to maintain indigenous biodiversity under the RMA, including to protect habitats of Threatened taxa. An understanding of regional population sizes of bird taxa and their distributions should help to inform management. For example, this could include by informing Assessments of Environmental Effects through RMA consenting processes; and the prioritisation of conservation or restoration activities by regional council and territorial authorities, such as by pest animal and plant control, or monitoring to assess effectiveness of management interventions. The benefits to be gained from assessing the threat to indigenous taxa at a regional scale, which are complementary to national assessments, include:

- improved knowledge of the status of taxa across the region,
- direction for local government and community groups to prioritise conservation actions that can work in synergy with or provide additionality to the work of DOC,
- an improved ability to protect taxa through regulatory processes, and
- improved national conservation assessments of species through greater local input.

Acknowledgements

Thanks to Philippa Crisp and Roger Uys from Greater Wellington Regional Council and Sabine Melzer from Auckland Council for advice on the regional conservation status process, Pascale Michel from the Department of Conservation | Te Papa Atawhai (DOC) for advice on the national and regional assessments, Richard Schofield who compiled information that indicated where type localities of bird taxa might occur and provided information and advice on bird taxa, Trudi Webster from the Yellow-eyed Penguin Trust for information and advice on yellow-eyed penguin / hoiho, Elton Smith from Orokonui Ecosanctuary – Te Korowai o Mihiwaka for information on Haast tokoeka / tokoeka and South Island kākā, Philippa Agnew from Ōamaru Blue Penguin Colony for information and advice on little penguins / kororā, Johannes Chambon for advice on information on Chatham Island taiko / taiko, Jayde Couper, David Priest and Hamish Stevens from Fish and Game New Zealand for advice on game birds, Hugh Robertson and Rogan Colbourne from DOC for advice on the regional assessments, Julia Reid and Jim Watts from DOC for advice on northern royal albatross / toroa numbers, Giverny Forbes from DOC for a suggestion on the South Island rifleman / tītīpounamu, Susan Walker from Manaaki Whenua Landcare Research providing information on Australasian crested grebe / pūteketeke, Simon Steven from the Otago Regional Council for advice on rooks, Mike Thorsen for initial compilation of a bird species list, Ciaran Campbell from the ORC for discussions on regional statuses in Otago, Tim Ware from the ORC for advice on editing and formatting, Amanda Keach from the ORC for logistical support, and Nathan Whitmore from Reproducible for the development of the dashboard for locally-operated assessments. We thank Korako Edwards, Kaiārahi Taiao, at Aukaha for discussion on regional conservation statuses.

References

- Bemmels, J. B., Mikkelsen, E. K., Haddrath, O., Colbourne, R. M., Robertson, H. A., Weir, J. T. (2021). Demographic decline and lineage-specific adaptations characterize New Zealand kiwi. *Proceeding of the Royal Society B*. 288:20212362.
- Bloxham, M., Woolly, J., Dunn, N., Chaffe, A., Melzer, S. (2023). Conservation status of freshwater fishes in Tāmaki Makaurau/Auckland. Auckland Council Technical Report, TR2023/13. 36 p.
- Buller, W. L. (1869). On the ornithology of New Zealand. *Transactions of the New Zealand Institute* 1: 1–20.
- Burbidge, M. L., Colbourne, R. M., Robertson, H. A., Baker, A. J. (2003). Molecular and other biological evidence supports the recognition of at least three species of brown kiwi. *Conservation Genetics* 4: 167–177.
- Chang, W., Cheng, J., Allaire, J., Sievert, C., Schloerke, B., Xie, Y., Allen, J., McPherson, J., Dipert, A., Borges, B. (2021). Shiny: Web Application Framework for R. R package version 1.7.1.
- Checklist Committee (C.M. Miskelly, convenor). 2022. Checklist of the Birds of New Zealand (5th edition). Ornithological Society of New Zealand Occasional Publication No. 1. Wellington: Ornithological Society of New Zealand.
- Cole, T. L., Ksepka, D. T., Mitchell, K. J., Tennyson, A. J. D., Thomas, D. B., Xupeng, B., Fang, Q., Ellegaard, M. R., Feng, S., Smith, A. L., Heath, T. A., Tennyson, A. J.D., Borboroglu, P. G., Wood, J. R., Hadden, P. W., Grosser, S., Bost, C-A., Cherel, Y., Mattern, T., Hart, T., Sinding, M-H. S., Shepherd, L. D., Phillips, R. A., Quillfeldt, P., Masello, J. F., Bouzat, J. L., Ryan, P. G., Thompson, D. R., Ellenberg, U., Dann, P., Miller, G., Boersma, P. D., Zhao, R., Gilbert, M. T. P., Yang, H., Zhang, D-X., Zhang, G. (2019). Mitogenomes uncover extinct penguin taxa and reveal island formation as a key driver of speciation: *Molecular Biology and Evolution*: 36 784–797.
- Crisp, P. (2020). Conservation status of indigenous vascular plant species in the Wellington region. Greater Wellington Regional Council Publication No. GW/ESCI-G-20/20 Wellington. 39 p.
- Crisp, P., Hitchmough, R., Newman, D., Adams, L., Lennon, O., Woolley, C., Hulme-Moir, A., Bell, T., Herbert, S., Spearpoint, O., Nelson, N. (2022). Conservation status of reptile species in the Wellington region. Greater Wellington Regional Council, Publication No. GW/ESCI-G-23/03, Wellington. 23 p.

Crisp, P., O'Donnell, C., Pryde, M., Ryan, J., Spearpoint, O. (2023). Conservation status of bat species in the Wellington region. Greater Wellington Regional Council, Publication No. GW/ESCI-G-23/01, Wellington. 13 p.

Crisp, P., Perrie, A., Morar, A., Royal, C. (2022). Conservation status of indigenous freshwater fish in the Wellington region. Greater Wellington Regional Council Publication No. GW/ESCI-T-22/02, Wellington 8 p.

Crisp, P., Robertson, H., McArthur, N., Cotter, S. (2024). Conservation status of bird in the Wellington region. Greater Wellington Regional Council, Publication No. GW/KI-G-23/21, Wellington. 50 p.

Darby, J.T. (1991). A second Magellanic penguin in New Zealand. *Notornis* 38: 36.

Department of Conservation (2010). New Zealand Coastal Policy Statement 2010. Wellington: Department of Conservation. 29 pp.

Department of Conservation (2019). New Zealand Coastal Policy Statement 2010. Guidance Document on Policy 11: Indigenous biological diversity (biodiversity). Wellington: Department of Conservation. 60 pp.

Elliott, G.P. (1989). The distribution of banded rails and marsh crakes in coastal Nelson and Marlborough. *Notornis* 36: 117–123.

Esri., i-cubed., USDA., USGS., AEX., GeoEye., Getmapping., Aerogrid., IGN., IGP., UPR., EGP., GIS User Community. (2023). Map tiles by Stamen Design, CC by 3.0.

Germano, J., Barlow, S., Castro, I., Colbourne, R., Cox, M., Gillies, C., Hackwell, K., Harawira, J., Impey, M., Reuben, A., Robertson, H., Scrimgeour, J., Sporle, W., Yong., S. 2018: Kiwi Recovery Plan 2018–2028 / Mahere Whakaora Kiwi 2018–2028. Threatened Species Recovery Plan 64. Department of Conservation, Wellington. 60 p.

Gill, B. J., Bell, B. D., Chambers, G. K., Medway, D. G., Palma, R. L., Scofield, R. P., Tennyson, A. J. D., Worthy, T. H. (2010). Checklist of the Birds of New Zealand, Norfolk and Macquarie Islands, and the Ross Dependency, Antarctica. Te Papa Press, Wellington. 500 p.

Grosser, S., BurrIDGE, C. P., Peucker, A. J, Waters, J. M. (2015). Coalescent modelling suggests recent secondary-contact of cryptic penguin species. *PloS ONE*: doi: 10.1371/journal.pone.0144966.

Grosser, S., Rawlence, N. J., Anderson, C. N. K., Smith, I. W. G., Scofield, R. P., Waters, J.M. (2016). Invader or resident? Ancient DNA reveals rapid species turnover in New Zealand little penguins. *Proceedings of the Royal Society B*. 283: doi: 10.1098/ rspb.2015.2879.

- Guest, R. (1991). 1990 report on rare birds in New Zealand. *Notornis* 38: 240–244.
- Heather, B. D., Robertson, H. A. (2015.) The field guide to the birds of New Zealand. Fourth edition. New Zealand: Penguin. 464 pp.
- Hufton, R. L., Robertson, B. C. (2023). A significant remnant population of whio (blue duck, *Hymenolaimus malacorhynchos*) bridging the gap between Fiordland and West Coast Recovery Sites, South Island. New Zealand. *Notornis* 70: 190–195.
- Hunter-Ayad, J., Jarvie, S., Greaves, G., Digby, A., Ohlemüller, R., Recio, M.R., Seddon P.J. (2021). Novel conditions in conservation translocations: A conservative-extrapolative strategic framework. *Frontiers in Conservation Science* 2, 1–14.
- Iannone, R., Allaire, J., Borges, B. (2020). Flexdashboard: R Markdown Format for Flexible Dashboards. R package version 0.5.2.
- IUCN/SSC (2013). Guidelines for Reintroductions and Other Conservation Translocations. Version 1.0. Gland, Switzerland: IUCN Species Survival Commission, viiii. 57 pp.
- IUCN. 2024. The IUCN Red List of Threatened Species. Version 2024-1. <https://www.iucnredlist.org>. Accessed on 27/07/2024.
- Jarvie, S. (2025a). Regional conservation status of amphibians in Otago. Otago Regional Council, Otago Threat Classification Series, 2025/2. DOI: [10.13140/RG.2.2.30141.17126](https://doi.org/10.13140/RG.2.2.30141.17126)
- Jarvie, S. (2025b). Conservation status of Otago's Onychophora ('peripatus' or velvet worm). Otago Regional Council, Otago Threat Classification Series, 2025/3. DOI: [10.13140/RG.2.2.17138.82880](https://doi.org/10.13140/RG.2.2.17138.82880)
- Jarvie, S. (2025c). Regionally endemic species in Otago. Otago Regional Council, Otago Biodiversity Series, 2025/1. DOI: [10.13140/RG.2.2.15978.84167](https://doi.org/10.13140/RG.2.2.15978.84167)
- Jarvie, S. (2025d). Type localities of terrestrial animals, plants and fungi in the Otago Region. Otago Regional Council, Otago Biodiversity Series, 2025/2.
- Jarvie, S., J. Barkla., B. Rance., Rogers. G., Ewans. R., Thorsen., M. (2025). Regional conservation status of indigenous vascular plants in Otago. Otago Regional Council, Otago Threat Classification Series, 2024/1. DOI: [10.13140/RG.2.2.11428.39044](https://doi.org/10.13140/RG.2.2.11428.39044)
- Jarvie, S., Cooper J. (2024). Conservation status of selected species of non-lichenised agarics, boletes, and russuloid fungi in Otago. Otago Threat Classification Series, 2024/7. DOI: [10.13140/RG.2.2.18754.59845](https://doi.org/10.13140/RG.2.2.18754.59845)

Jarvie, S., Knox, C., Monks, J. M., Reardon, J., Campbell, C. (2023b). Regional conservation status of reptile species in Otago. Otago Regional Council, Otago Threat Classification Series, 2023/1. DOI: [10.13140/RG.2.2.33172.88969](https://doi.org/10.13140/RG.2.2.33172.88969)

Jarvie, S., Knox, C., Monks, J. M., Reardon, J., Purdie, S., Campbell, C. (2024b). Regional conservation status of reptile species in Otago. Otago Regional Council, Otago Threat Classification Series, 2024/5. DOI: [10.13140/RG.2.2.18754.59845](https://doi.org/10.13140/RG.2.2.18754.59845)

Jarvie, S., I. Davidson-Watts, G. Dennis, C. Gower, M. Pryde (2023a). Regional conservation status of bat species in Otago. Otago Regional Council, Otago Threat Classification Series, 2023/2. DOI: [10.13140/RG.2.2.22615.44967](https://doi.org/10.13140/RG.2.2.22615.44967)

Jarvie, S., McKinlay, B., Palmer, D., Rawlence, N. J., Thomas O. (2024a). Regional conservation status of birds in Otago. Otago Regional Council, Otago Threat Classification Series, 2024/6. 134 p. DOI: [10.13140/RG.2.2.22595.41765](https://doi.org/10.13140/RG.2.2.22595.41765)

Jarvie, S., Monks, J. (2025). Species lists for regional and unitary councils to inform biodiversity management. Envirolink Report: 2448-ORC015. DOI: [10.13140/RG.2.2.21094.13123](https://doi.org/10.13140/RG.2.2.21094.13123)

Keegan, L. J., White, R. S., Macinnis-Ng, C. (2022). Current knowledge and potential impacts of climate change on New Zealand's biological heritage. *New Zealand Journal of Ecology*. 46:1–24

MacLeod, C. J., Green, P., Howard, S., Gormley, A. M., Brandt, A. J., Spurr, E. B. (2022). Assessing the state of New Zealand's garden birds from national to local scales. *Ecological Solutions and Evidence* 3: e12121.

Marchant, S. Higgins, P. J. (Eds). (1990). *Handbook of Australian, New Zealand & Antarctic birds. Ratites to Ducks. Volume 1 (A and B)*. Melbourne: Oxford University Press. 1400 pp.

Marchant, S., Higgins, P. J. (Eds) (1993). *Handbook of Australian, New Zealand and Antarctic birds. Volume 2 (raptors to lapwings)*. Melbourne: Oxford University Press. 984 pp.

Masuda, B. M., Jamieson, I. (2012). Age-specific differences in settlement rates of saddlebacks (*Philesturnus carunculatus*) reintroduced to a fenced mainland sanctuary. *New Zealand Journal of Ecology* 36: 123–130.

Masuda, B. M., Smith, E. D., Jamieson, I. G. (2010). Assessment of protocols and best-practise techniques learned during a translocation of South Island saddlebacks *Philesturnus carunculatus* from Ulva Island to Orokonui Ecosanctuary, New Zealand. *Conservation Evidence*, 7: 69–74.

Melzer, S., Hitchmough, R., van Winkel, D., Wedding, C., Chapman, S., Rixon, M., Moreno, V., J. Germano, J. (2022a). Conservation status of amphibian species in Tāmaki Makaurau/Auckland. Auckland Council Technical Report, TR2022/4.

Melzer, S., Hitchmough, R., van Winkel, D., Wedding, C., Chapman, S., Rixon, M. (2022b). Conservation status of reptile species in Tāmaki Makaurau/Auckland. Auckland Council Technical Report, TR2022/3.

Michel, P. (2021). Amendment to the New Zealand Threat Classification System 2008: revised categories 2021. Department of Conservation, Wellington. 5 p.

Miskelly, C. M., Powlesland, R. G. (2013). Conservation translocations of New Zealand birds, 1863–2012. *Notornis* 60: 3–28.

Miskelly, C. M., Crossland, A. C., Sagar, P. M., Saville, I., Tennyson, A. J. D., Bell, E. A. (2013). Vagrant and extra-limital bird records accepted by the OSNZ Records Appraisal Committee 2011–2012. *Notornis* 60: 296–306.

Ministry for the Environment – Manatū Mō Te Taiao (2023). National Policy Statement for Indigenous Biodiversity. Wellington: Ministry for the Environment – Manatū Mō Te Taiao. 48 pp.

Oliver, W. R. B. (1955). New Zealand birds. Second edition. Wellington: A. H. & A. W. Reed. 661 pp.

OpenStreetMap contributors. (2017). Planet dump retrieved from <https://planet.osm.org>, <https://www.openstreetmap.org>

Otago Natural History Trust. (2019). Orokonui Ecosanctuary Restoration Plan. Unpublished Orokonui report. 51 p.

Parker, G., Rexer-Huber, K. (2022). Otago shag breeding population size. Report for Department of Conservation, Conservation Services Programme, project POP2021-09. Dunedin. 17 p.

Posit Team (2023). Rstudio: Integrated Development Environment for R. Posit Software, PBC, Boston, MA, USA.

R Core Team. (2022). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria.

Rawlence, N. J., Kardamaki, A., Easton, L. J., Tennyson, A. J. D., Scofield, R. P., Waters, J. M. (2017). Ancient DNA and morphometric analysis reveal extinction and replacement of New Zealand’s unique black swans. *Proceedings of the Royal Society B* 284: 20170876.

- Rawlence, N. J., Kardamaki, A., Easton, L. J., Tennyson, A. J. D., Scofield, R. P., Waters, J. M. (2018) Native or not? Ancient DNA rejects persistence of New Zealand's endemic black swan: A reply to Montano et al. *Evolutionary Applications* 11: 376–377.
- Rawlence, N. J., Scofield, R. P., Spencer, H. G., Lalas, C., Easton, L. J., Tennyson, A. J. D., Adams, M., Pasquet, E., Fraser, C., Waters, J. M., Kennedy, M. (2016). Genetic and morphological evidence for two species of *Leucocarbo* shag (Aves, Pelecaniformes, Phalacrocoracidae) from southern South Island of New Zealand. *Zoological Journal of the Linnean Society* 177: 676–694.
- Rawlence, N. J., Till, C. E., Scofield, R. P., Tennyson, A. J. D., Collins, C. J., Lalas, C., Loh, G., Matisoo-Smith, E., Waters, J. M., Spencer, H. G., Kennedy, M. (2014). Strong phylogeographic structure in a sedentary seabird, the Stewart Island Shag (*Leucocarbo chalconotus*). *PloS ONE* 9: e90769.
- Rawlence, N. J., Verry, A. J. F., Cole, T. L., Shepherd, L. D., Tennyson, A. J. D., Williams, M., Wood, J. R., Mitchell, K. J. (2024). Ancient mitogenomes reveal evidence for the Late Miocene dispersal of mergansers to the Southern Hemisphere. *Zoological Journal of the Linnean Society*, zlae040.
- Robertson, H. A., Baird, K. A., Elliott, G. P., Hitchmough, R. A., McArthur, N. J., Makan, T. D., Miskelly, C. M., O'Donnell, C. F. J., Sagar, P. M., Scofield, R. P., Taylor, G. A., Michel, P. (2021). Conservation status of birds in Aotearoa New Zealand, 2021. New Zealand Threat Classification Series 36. Department of Conservation, Wellington. 43 p.
- Rolfe, J., Makan, T. Tait, A. (2021). Supplement to the New Zealand Threat Classification System manual 2008: new qualifiers and amendments to qualifier definitions, 2021. Department of Conservation, Wellington. 7 p.
- Rolfe, J., Hitchmough, R., Michel, P., Makan, T., Cooper, J.A., de Lange, P.J., Townsend, C.A.J., Miskelly, C.M., Molloy, J. (2022). New Zealand Threat Classification System manual 2022. Part 1: Assessments. Department of Conservation, Wellington. 45 p.
- Schweigman, P. 2006. The royal spoonbill in New Zealand. *Southern Bird* 27: 10–11.
- Scofield, R. P., Wood, J. R., de Nascimento, L., Robertson, H. A., Colbourne, R.M., De Pietri, V. L., Innes, J., Weir, J. T. (2021). Identification of the type locality of the South Island brown kiwi *Apteryx australis*. *Conservation Genetics*, 22: 645–652.
- Seddon, P. J., Griffiths, C. J., Soorae, P. S., Armstrong, D. P. (2014). Reversing defaunation: restoring species in a changing world. *Science*, 345: 406–412.

- Shepherd L. D., Worthy, T. H., Tennyson, A. J. D., Scofield, R. P., Ramstad, K. M., Lambert, D. M. (2012). Ancient DNA analyses reveal contrasting phylogeographic patterns amongst kiwi (*Apteryx* spp.) and a recently extinct lineage of spotted kiwi. *PloS One*. 7: e42384.
- Simpkins, E., Woolly, J., de Lange, P., Kilgour, C., Cameron, E., Melzer, S. (2023). Conservation status of vascular plant species in Tāmaki Makaurau/Auckland. Auckland Council Technical Report, TR2022/19.
- Sullivan, B. L., Wood, C. L., Iliff, M. J., Bonney, R. E., Fink, D., Kelling, S. (2009). eBird: a citizen-based bird observation network in the biological sciences. *Biological Conservation* 142: 2282–2292.
- Thomas., O (2025). Birds in Aotearoa New Zealand by region. In Jarvie, S., Monks, J. (Eds). Species lists for regional and unitary councils to inform biodiversity management. Envirolink Report: 2448-ORC015. DOI: [10.13140/RG.2.2.21094.13123](https://doi.org/10.13140/RG.2.2.21094.13123)
- Tobias, J. A., Sheard, C., Pigot, A. L., Devenish, A. J. M., Yang, J., Sayol, F., Neate-Clegg, M. H. C., Alioravainen, N., Weeks, T. L., Barber, R. A., Walkden, P. A., MacGregor, H. E. A., Jones, S. E. I., Vincent, C., Phillips, A. G., Marples, N. M., Montano-Centellas, F. A., Leandro-Silva, V., Claramunt, S., Schleuning, M. (2022). AVONET: Morphological, ecological and geographical data for all birds. *Ecology Letters* 25: 581–597.
- Townsend, A. J., de Lange, P. J., Duffy, C. A. J., Miskelly, C. M., Molloy, J., Norton, D. A. (2008). New Zealand Threat Classification System manual. Department of Conservation, Wellington. 35 p.
- Trewick, S. A., Pilkington, S., Shepherd, L. D., Gibb, G. C., Morgan-Richards, M. (2017). Closing the gap: Avian lineage splits at a young, narrow seaway imply a protracted history of mixed population response. *Molecular Ecology*: 26, 5752–5772.
- Undin, M., Hills, S. F. K., Lockhart, P. J., Castro, I. (2021). Gaps in genetic knowledge affect conservation management of kiwi (*Apteryx*) species. *Ibis* 163: 1155–1174.
- Walker, S., Monks, A., Innes, J. (2019). Thermal squeeze will exacerbate declines in New Zealand’s endemic forest birds. *Biological Conservation* 237: 166–174.
- Watts, J. O., Moore, A., Palmer, D., Molteno, T. C. A., Recio, M., Seddon, P. J. (2017). Trial reintroduction of buff weka to an unfenced mainland site in central South Island, New Zealand. *Austral Ecology* 42: 198–209.

Weir, J. T., Haddrath, O., Robertson, H. A., Colbourne, R. M., Baker, A. J. (2016). Explosive ice age diversification of kiwi. *Proceedings of the National Academy of Sciences of the United States of America* 113: E5580–E5587.

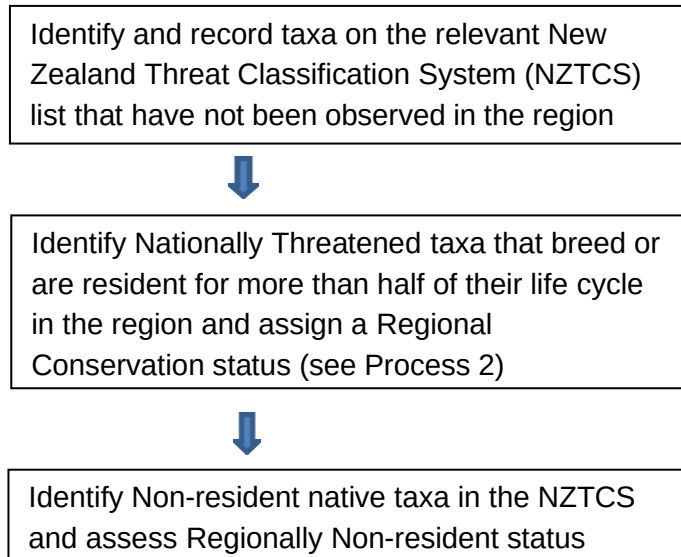
Williams, M., Tennyson, A. J. D., Sim, D. (2014). Island differentiation of New Zealand's extinct mergansers (Anatidae: Mergini), with description of a new species from Chatham Island. *Wildfowl* 64: 3–34.

Wood, J.R., Briden, S. (2008). South Georgian diving petrel (*Pelecanoides georgicus*) bones from a Maori midden in Otago Peninsula, New Zealand. *Notornis* 55: 46–47.

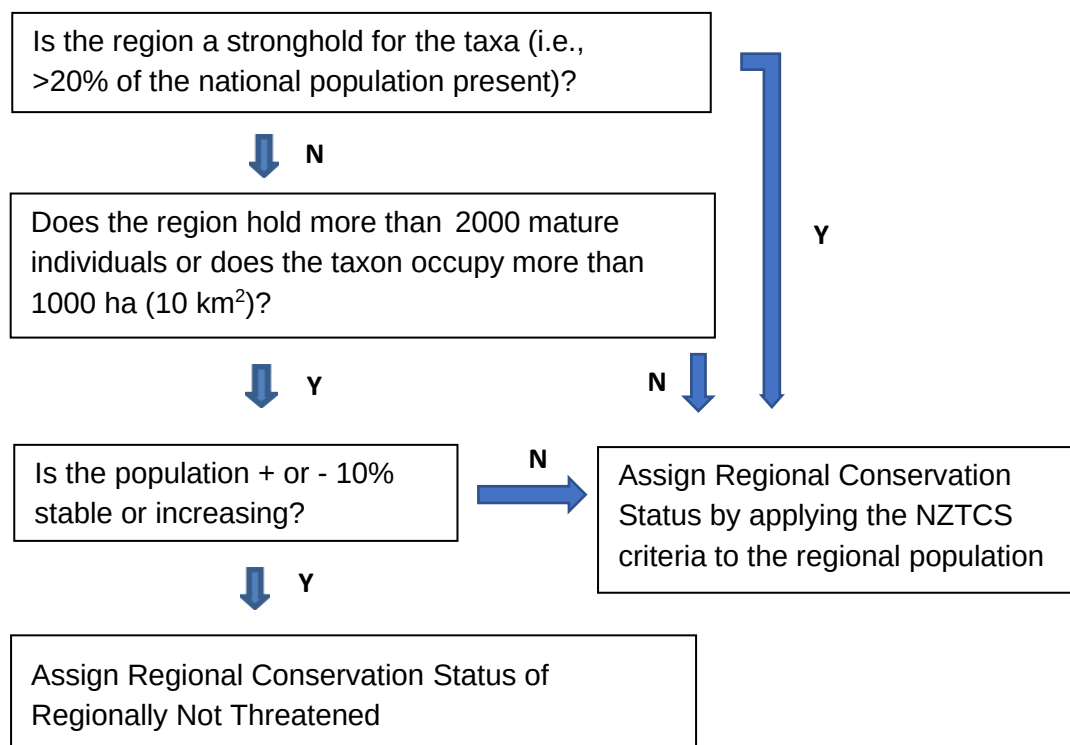
Worthy, T. H., Holdaway, R. N. (2002). *The Lost World of the Moa*. Christchurch, New Zealand: Canterbury University Press.

Appendix 1: Process for determining the regional threat status of taxa

Process 1: Determination of regional threat status



Process 2: Determination of strongholds and Regionally Not Threatened species



Appendix 2: List of Regional Qualifiers for Regional Conservation Threat Assessments

Code	Qualifier	Description
FR	Former Resident	Breeding population (existed for more than 50 years) extirpated from region but continues to arrive as a regional vagrant or migrant. FR and RN are mutually exclusive.
HR	Historical Range	The inferred range (extending in any direction) of the taxon in pre-human times meets its natural limit in the region.
IN	Introduced Native	Introduced to the region, though not known to have previously occurred in it.
NStr	National Stronghold	More than 20% of the national population breeding or resident for more than half their life cycle in the region.
NR	Natural Range	The known range (extending in any direction) of the taxon meets its natural limit in the region.
RE	Regional Endemic	Known to breed only in the region.
RN	Restored Native	Reintroduced to the region after having previously gone extinct there.
TL	Type Locality	The type locality of the taxon is within the region. Ignore if the taxon is or has ever been regionally extinct

Appendix 3: List of National Qualifiers from the New Zealand Threat Classification System (Townsend et al. 2008; Michel 2021; Rolfe et al. 2021)

Code	Qualifier	Qualifier Type	Description
DPR	Data Poor: Recognition	Assessment Process Qualifier	Confidence in the assessment is low because of difficulties determining the identity of taxon in the field and/or in the laboratory. Taxa that are DPR will often be DPS and DPT. In such cases, the taxon is most likely to be Data Deficient.
DPS	Data Poor: Size	Assessment Process Qualifier	Confidence in the assessment is low because of a lack of data on population size.
DPT	Data Poor: Trend	Assessment Process Qualifier	Confidence in the assessment is low because of a lack of data on population trend.
DE	Designated	Assessment Process Qualifier	A taxon that the Expert Panel has assigned to what they consider to be the most appropriate status without full application of the criteria. For example, a commercial fish that is being fished down to Biomass Maximum Sustainable yield (BMSy) may meet criteria for 'Declining', however, it could be designated as 'Not Threatened' if the Expert Panel believes that this better describes the taxon's risk of extinction.
IE	Island Endemic	Biological Attribute Qualifier	A taxon whose naturally distribution is restricted to one island archipelago (e.g., Auckland Island / Mauka Huka) and is not part of the Te Ika-a-Māui / North Island or Te Waipounamu / South Island or Steward Island / Rakiura. This qualifier is equivalent to the 'Natural' Population State value in the database.
NS	Natural State	Biological Attribute Qualifier	A taxon that has a stable or increasing population that is presumed to be in a natural condition, i.e., has not experienced historical human-induced decline.
RR	Range Restricted	Biological Attribute Qualifier	A taxon naturally confined to specific substrates, habitats, or geographic areas of less than 100 km² (100,000 ha), this is assessed by taking into account the area of occupied habitat of all sub-populations (and summing the areas of habitat if there is more than one sub-population), e.g., Chatham Island forget-me-not (<i>Myosotidium hortensia</i>) and Auckland Island snipe (<i>Coenocorypha aucklandica aucklandica</i>). This qualifier can apply to any 'Threatened' or 'At Risk' taxon. It is redundant if a taxon is confined to 'One Location' (OL)
Sp	Biologically Sparse	Biological Attribute Qualifier	The taxon naturally occurs within typically small and widely scattered subpopulations. This qualifier can apply to any 'Threatened' or 'At Risk' taxon.

Continued on next page

Conservation status of birds in Otago

List of National Qualifiers from the New Zealand Threat Classification System

Code	Qualifier	Qualifier Type	Description
NO	Naturalized Overseas	Population State Qualifier	An Aotearoa New Zealand endemic taxon that has been introduced by human agency to another country (deliberately or accidentally) and has naturalised there, e.g., <i>Olearia traversiourum</i> in the Republic of Ireland.
OL	One Location	Population State Qualifier	Found at one location in Aotearoa New Zealand (geographically or ecologically distinct area) of less than 100,000 ha (1000 km²), in which a single event (e.g., a predator irruption) could easily affect all individuals of the taxon, e.g., L'Esperance Rock groundsel (<i>Senecio esperensis</i>) and Open Bay leech (<i>Hirudobdella antipodum</i>). 'OL' can apply to all 'Threatened', 'At Risk', 'Non-resident Native' – Coloniser and Non-resident Native – Migrant taxa, regardless of whether their restricted distribution in Aotearoa New Zealand is natural or human-induced. Resident native taxa with restricted distributions but where it is unlikely that all sub-populations would be threatened by a single event (e.g., because water channels within an archipelago are larger than known terrestrial predator swimming distances) should be qualified as 'Range Restricted' (RR).
SO	Secure Overseas	Population State Qualifier	The taxon is secure in the parts of its natural range outside Aotearoa New Zealand.
SO?	Secure Overseas?	Population State Qualifier	It is uncertain whether a taxon of the same that is secure in the parts of its natural range outside Aotearoa New Zealand is conspecific with the Aotearoa New Zealand taxon.
S?O	Secure? Overseas	Population State Qualifier	It is uncertain whether the taxon is secure in the parts of its natural range outside Aotearoa New Zealand.
TO	Threatened Overseas	Population State Qualifier	The taxon is threatened in the parts of its natural range outside Aotearoa New Zealand.
TO?	Threatened Overseas?	Population State Qualifier	It is uncertain whether a taxon of the same name that is threatened in the parts of its natural range outside New Zealand is conspecific with the New Zealand taxon.
T?O	Threatened? Overseas	Population State Qualifier	It is uncertain whether the taxon is threatened in the parts of its natural range outside Aotearoa New Zealand.

Continued on next page

Conservation status of birds in Otago

List of National Qualifiers from the New Zealand Threat Classification System

Code	Qualifier	Qualifier Type	Description
CI	Climate Impact	Pressure Management Qualifier	The taxon is adversely affected by long-term climate trends and/or extreme climatic events. The following questions provide a guide to using the CI Qualifier: Is the taxon adversely affected by long-term changes in the climate, such as an increase in average temperature or sea-level rise? If NO = no Qualifier but needs monitoring and periodic re-evaluation because projected changes to the average climate and sea-level rise may adversely impact the taxon (including via changes to the distribution and prevalence of pests, weeds and predators) in the future. If YES = CI Qualifier Is the taxon adversely affected by extreme climate events, such as a drought, storm or heatwave? If No = no Qualifier but needs monitoring and periodic re-evaluation because projected changes to the climate are likely to increase the frequency and/or severity of these events in the future. If YES = CI Qualifier Use of the Climate Impact Qualifier would indicate the need for more in-depth research, ongoing monitoring of climate impacts, and potentially a climate change adaptation plan for the taxon
CD	Conservation Dependent	Pressure Management Qualifier	The taxon is likely to move to a worse conservation status if current management ceases. The term 'management' can include indirect actions that benefit taxa, such as island biosecurity. Management can make a taxon CD only if cessation of the management would result in a worse conservation status. The influence of the benefits of management on the total population must be considered before using CD. The benefit of managing a single subpopulation may not be adequate to trigger CD, but may trigger Partial Decline (PD). Taxa qualified CD may also be PD because of the benefits of management.
CR	Conservation Research Needed	Pressure Management Qualifier	Causes of decline and/or solutions for recovery are poorly understood and research is required.

Continued on next page

Conservation status of birds in Otago

List of National Qualifiers from the New Zealand Threat Classification System

Code	Qualifier	Qualifier Type	Description
EW	Extinct In The Wild	Pressure Management Qualifier	The taxon is known only in captivity or cultivation or has been reintroduced to the wild but is not self-sustaining. Assessment of a reintroduced population should be considered only when it is self-sustaining. A population is deemed to be self-sustaining when the following two criteria have been fulfilled: it is expanding or has reached a stable state through natural replenishment and at least half the breeding adults are products of the natural replenishment, and it has been at least 10 years since reintroduction
EF	Extreme Fluctuations	Pressure Management Qualifier	The taxon experiences extreme unnatural population fluctuations, or natural fluctuations overlaying human-induced declines, that increase the threat of extinction. When ranking taxa with extreme fluctuations, the lowest estimate of mature individuals should be used for determining population size, as a precautionary measure.
INC	Increasing	Pressure Management Qualifier	There is an ongoing or forecast increase of > 10% in the total population, taken over the next 10 years or three generations, whichever is longer. This qualifier is redundant for taxa ranked as 'Recovering'.
PD	Partial Decline	Pressure Management Qualifier	The taxon is declining over most of its range, but with one or more secure populations (such as on offshore islands). Partial decline taxa (e.g., North Island kākā <i>Nestor meridionalis septentrionalis</i> and Pacific gecko <i>Dactylocnemis pacificus</i>) are declining towards a small stable population, for which the Relict qualifier may be appropriate.
PF	Population Fragmentation	Pressure Management Qualifier	Gene flow between subpopulations is hampered as a direct or indirect result of human activity. Naturally disjunct populations are not considered to be 'fragmented'.
PE	Possibly/Presumed Extinct	Pressure Management Qualifier	A taxon that has not been observed for more than 50 years but for which there is little or no evidence to support declaring it extinct. This qualifier might apply to several Data Deficient and Nationally Critical taxa.
RF	Recruitment Failure	Pressure Management Qualifier	The age structure of the current population is such that a catastrophic decline is likely in the future. Failure to produce new progeny or failure of progeny to reach maturity can be masked by apparently healthy populations of mature specimens.

Continued on next page

Conservation status of birds in Otago

List of National Qualifiers from the New Zealand Threat Classification System

Code	Qualifier	Qualifier Type	Description
Rel	Relict	Pressure Management Qualifier	The taxon has declined since human arrival to less than 10% of its former range but its population has stabilised. The range of a relictual taxon takes into account the area currently occupied as a ratio of its former extent. Reintroduced and self-sustaining populations within or outside the former known range of a taxon should be considered when determining whether a taxon is relictual. This definition is modified from the definition of the At Risk – Relict category in the NZTCS manual (Townsend et al. 2008). The main difference is that trend is not included in the qualifier definition. This enables the qualifier to be applied to any taxon that has experienced severe range contraction, regardless of whether that contraction continues or has been arrested. This qualifier complements the ‘Naturally Uncommon (NU)’ qualifier which can be applied to taxa whose abundance has declined but which continue to occupy a substantial part of their natural range.

Appendix 4: Name differences affecting bird taxa found in the Otago Region between this report which follows Robertson et al. (2021) and the publication of the Checklist of the Birds of New Zealand (Checklist Committee, 2022). The Notes column includes information on geographical variation and/or distribution information.

Name and Authority in this Report	Common Name and Māori Name from the National Assessment	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Acanthisitta chloris chloris</i> Sparrman, 1787	South Island rifleman / tititipounamu	<i>Acanthisitta chloris chloris</i> (Sparrman, 1987)	South Island rifleman	Geographical variation in the Checklist Committee: Two sub-species, both extant. North Island rifleman <i>A. c. granti</i> (At Risk/Declining), South Island rifleman <i>A. c. chloris</i> (Not Threatened). South Island riflemen are relatively widespread throughout the west of the Te Waipounamu / South Island, and also occur on Te Pātaka o Rākaihautū / Banks Peninsula, the seaward Kaikoura ranges, Ōtepoti / Dunedin, Te Ākau Tai Toka / Catlins and Muaūpoko / Otago Peninsula. They are scarce on Rakiura / Stewart Island, but common on Whenua Hou / Codfish Island, and have been translocated to some locations.
<i>Anas chlorotis</i> “South Island” G.R. Gray, 1845	South Island brown teal / pāteke*	<i>Anas chlorotis</i> G.R. Gray, 1845	brown teal / pāteke	Geographical variation in Committee Checklist: Nil. Originally widely distributed in lowland swamps and swamp forests of both main islands and Rakiura / Stewart Island, where it was the most common duck species in pre-human deposits (Worthy 2002a, 2004); now rare and localised.

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Anas clypeata</i> Linnaeus, 1758	northern shoveler	<i>Spatula clypeata</i> (Linnaeus, 1758)	northern shoveler	Geographical variation in Committee Checklist: Nil.
<i>Anas platyrhynchos</i> Linnaeus, 1758	mallard duck / rakiraki	<i>Anas platyrhynchos</i> Linnaeus, 1758	mallard	Geographical variation in the Checklist Committee: None now recognised. However, formerly thought could be seven subspecies, although some uncertainty. Introduced to Aotearoa New Zealand from the United Kingdom (1865–1920s) and North America (1937) and reared extensively for release until the 1960s. Now a widespread waterfowl in Aotearoa New Zealand.
<i>Anas rhynchos</i> (Latham, 1802)	Australasian shoveler / kuruwhengi	<i>Spatula rhynchos</i> (Latham, 1802)	Australasian shoveler	Geographical variation in the Checklist Committee: None now recognised but formerly considered a separate subspecies (<i>A. r. variegata</i>) from that in Australia (<i>A. r. rhynchos</i>).
<i>Ardea modesta</i> J.E. Gray, 1831	white heron / kōtuku	<i>Ardea alba modesta</i> J.E. Gray, 1831	white heron	Geographical variation in the Checklist Committee: Four subspecies are globally recognised, with the eastern great egret (<i>Ardea modesta</i> = <i>A. a. modesta</i>) occurring from eastern Asia to Australasia, including a small population in Aotearoa New Zealand. Sometimes considered a full species. Notes: Its sole Aotearoa New Zealand breeding site near Ōkarito Lagoon in Westland is well-known and well-protected, but elsewhere it is 'He kōtuku rerenga tahi' or the bird of single flight, implying something seen perhaps once in a lifetime.
<i>Ardea ibis coromanda</i> Boddaert, 1783	eastern cattle egret	<i>Bubulcus ibis coromandus</i> (Boddaert, 1783)	eastern cattle egret	Geographical variation in the Checklist Committee: Three subspecies recognised, with the eastern cattle egret <i>Bubulcus ibis coromandus</i> throughout south-east Asia and south to Australia and Aotearoa New Zealand.

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Arenaria interpres</i> (Linnaeus, 1758)	ruddy turnstone	<i>Arenaria interpres interpres</i> (Linnaeus, 1758)	ruddy turnstone	Geographical variation in the Checklist Committee: Two subspecies; Aotearoa New Zealand birds are <i>A. i. interpres</i> .
<i>Ardea intermedia plumifera</i> Wagler, 1829	plumed intermediate egret	<i>Ardea intermedia plumifera</i> Wagler, 1829	plumed egret	Geographical variation in the Checklist Committee: There are 3 subspecies of <i>Ardea intermedia</i> ; Aotearoa New Zealand birds are likely to be <i>A. i. plumifera</i> .
<i>Ardea pacifica</i> Latham, 1802	white-necked heron	<i>Ardea pacifica</i> Latham, 1802	Pacific heron	Geographical variation in Committee Checklist: Nil.
<i>Bowdleria punctata punctata</i> Quoy & Gaimard, 1830	South Island fernbird / mātātā	<i>Poodytes punctatus punctatus</i> (Quoy & Gaimard, 1830)	South Island fernbird	Geographical variation in Checklist Committee: Five subspecies, all extant. In Otago, South Island fernbird / mātātā <i>P. p. punctatus</i> .
<i>Branta canadensis</i> Linnaeus, 1758	Canada goose / kuihi	<i>Branta canadensis maxima</i> Linnaeus, 1758	Canada goose	Geographical variation in Checklist Committee: A native North American goose with an extensive history of population and substructure and with each grouping distinguishable by size and phenotype. The Aotearoa New Zealand population is primarily descended from an importation of 50 birds in 1905. The size and plumage characteristics matched those of the largest race recognised, <i>B. canadensis maxima</i> .
<i>Calidris canutus rogersi</i> Mathews, 1913	lesser knot / huahou*	<i>Calidris canutus rogersi</i> Mathews, 1913	red knot	Geographical variation in Checklist Committee: Six subspecies globally; two reach Aotearoa New Zealand (<i>rogersi</i> , breeding in Chukotka, eastern Russia, and <i>piersmai</i> , breeding on the New Siberian Islands).
<i>Callipepla californica</i> Shaw, 1798	California quail / tikaokao	<i>Callipepla californica brunnescens</i> Ridgeway 1884	California quail	Introduced to Aotearoa New Zealand from 1865 to 1875 in both Te Ika-a-Māui / North Island and Te Waipounamu / South Island with subsequent liberations of Aotearoa New Zealand-bred stock. Now widely distributed.

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Carduelis carduelis</i> Linnaeus, 1758	European goldfinch / kōurarini	<i>Carduelis carduelis</i> <i>britannica</i> Hartert, 1903	European goldfinch	Geographical variation in Checklist Committee: Aotearoa New Zealand birds are assigned to the subspecies <i>britannica</i> .
<i>Carduelis chloris</i> (Linnaeus, 1758)	European greenfinch	<i>Chloris chloris</i> (Linnaeus, 1758)	European greenfinch	Geographical variation in Checklist Committee: The subspecies that Aotearoa New Zealand birds belong to is uncertain.
<i>Carduelis flammea</i> (Linnaeus, 1758)	common redpoll	<i>Acanthis flammea</i> (Linnaeus, 1758)	common redpoll	Geographical variation in Checklist Committee: Aotearoa New Zealand birds are assigned to the subspecies <i>cabaret</i> .
<i>Catharacta maccormicki</i> (Saunders, 1893)	Antarctic skua	<i>Stercorarius maccormicki</i> Saunders, 1893	south polar skua	Geographical variation in Checklist Committee: As with the subantarctic skua, taxonomy is disputed by experts, with some designating the genus as <i>Catharacta</i> , others as <i>Stercorarius</i> . A polymorphic skua, with no determined geographical basis to the circumpolar distribution of its three morphs.
<i>Catharacta antarctica lonnbergi</i> Mathews, 1912	subantarctic skua / hākoakoa	<i>Stercorarius antarctica lonnbergi</i> Mathews, 1912	subantarctic skua	Geographical variation in Checklist Committee: As with the Antarctic skua, taxonomy is disputed by experts, with some designating the genus as <i>Stercorarius</i> , others as <i>Catharacta</i> . Aotearoa New Zealand's subantarctic skuas / hākoakoa are currently referred to in Aotearoa New Zealand as <i>Stercorarius antarcticus lonnbergi</i> .
<i>Circus approximans</i> Peale, 1848	Australasian harrier / kāhu	<i>Circus approximans</i> Peale, 1848	swamp harrier	Geographical variation in Committee Checklist: Nil.
<i>Charadrius mongolus</i> Pallas, 1776	Mongolian dotterel	<i>Charadrius mongolus</i> Pallas, 1776	lesser sand plover	Geographical variation in Committee Checklist: Five races globally recognised, with three 'black-faced' and more westerly breeding (<i>pamierensis</i> , <i>atrifrons</i> , <i>schaferi</i>), and two with white on their foreheads when breeding, that breed in eastern Siberia (<i>mongolus</i> and <i>stegmanni</i>).

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Charadrius ruficapillus</i> Temminck, 18	red-capped dotterel	<i>Charadrius ruficapillus</i> Temminck, 1821	red-capped plover	Geographical variation in Committee Checklist: Nil.
<i>Coprotheres pomarinus</i> (Temminck, 1815)	pomarine skua	<i>Stercorarius pomarinus</i> (Temminck, 1815)	pomarine skua	Geographical variation in Committee Checklist: Nil.
<i>Cuculus pallidus</i> (Latham, 1801)	pallid cuckoo	<i>Cacomantis pallidus</i> (Latham, 1802)	pallid cuckoo	Notes: The pallid cuckoo breeds in south-western and south-eastern Australia, migrating north after breeding to northern Australia, Papua New Guinea, Indonesia, Timor-Leste, Moluccas and Lesser Sundas. It is common in Australia, but a vagrant to Aotearoa New Zealand, no breeding records here. The first bird visited the same central Otago farm for Three consecutive years during the non-breeding season (May-October), from 1939 to 1941.
<i>Dacelo novaeguineae</i> Hermann, 1783	laughing kookaburra	<i>Dacelo novaeguineae</i> <i>novaeguineae</i> Hermann, 1783	laughing kookaburra	Geographical variation in Committee Checklist: Aotearoa New Zealand birds are assigned to the subspecies <i>novaeguineae</i> . Notes: Sightings of single birds from elsewhere in Te Ika-a-Māui / North Island (Cape Maria van Diemen, Waikato, Tairāwhiti / Gisborne) and from Te Waipounamu / South Island (Westland, Otago) are regarded as vagrants, either from Northland or Australia. Kookaburras inhabit open wooded country and forest margins.
<i>Egretta novaehollandiae</i> (Latham, 1790)	white-faced heron / matuku moana	<i>Egretta novaehollandiae</i> <i>novaehollandiae</i> (Latham, 1790)	white-faced heron	Geographical variation in Checklist Committee: Two subspecies, with <i>E. n. novaehollandiae</i> found in Aotearoa New Zealand.
<i>Eolophus roseicapillus</i> (Vieillot, 1817)	galah	<i>Eolophus roseicapilla</i> (Vieillot, 1817)	galah	Notes: Galah are localised in distribution, with the only wild population spread widely over the South Tāmaki Makaurau / Auckland area, including a breeding population on Ponui Island in the Hauraki Gulf. Present in Aotearoa New Zealand as a cage-bird. Presumed escapees recorded elsewhere.

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Eudyptula minor albosignata</i> Finsch, 1874	white-flipped blue penguin / kororā	<i>Eudyptula minor minor</i> J.R. Forster, 1781	New Zealand little penguin	Geographical variation in Checklist Committee: Two subspecies are currently recognised by the Checklist of the Birds of New Zealand (Checklist Committee): 1) Australian populations (<i>E. m. novaehollandiae</i>) and some Otago birds, and 2) all remaining populations including some Otago birds (<i>E. m. minor</i>). The second clade includes birds previously assigned to <i>E. m. iredalei</i> (northern Aotearoa New Zealand), <i>E. m. variabilis</i> (Te Moana-o-Raukawa / Cook Strait), <i>E. m. albosignata</i> (the white-flipped penguin of North Canterbury), <i>E. m. chathamensis</i> (Chatham Islands / Rēkohu / Wharekauri), and some <i>E. m. minor</i> (southern Aotearoa New Zealand).
<i>Eudyptula minor minor</i> J.R. Forster, 1781	southern blue penguin / kororā	<i>Eudyptula minor minor</i> J.R. Forster, 1781	New Zealand little penguin	Geographical variation in Checklist Committee: Two subspecies are currently recognised by the Checklist of the Birds of New Zealand (Checklist Committee): 1) Australian populations (<i>E. m. novaehollandiae</i>) and some Otago birds, and 2) all remaining populations including some Otago birds (<i>E. m. minor</i>). The second clade includes birds previously assigned to <i>E. m. iredalei</i> (northern Aotearoa New Zealand), <i>E. m. variabilis</i> (Te Moana-o-Raukawa / Cook Strait), <i>E. m. albosignata</i> (the white-flipped penguin of North Canterbury), <i>E. m. chathamensis</i> (Chatham Islands / Rēkohu / Wharekauri), and some <i>E. m. minor</i> (southern Aotearoa New Zealand).

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Eudyptula novaehollandiae</i> (Stephens, 1826)	Australian little penguin / kororā*	<i>Eudyptula minor novaehollandiae</i> (Stephens, 1826)	Australian little penguin	Geographical variation in Checklist Committee: Two subspecies recognised: (1) Australian populations (<i>E. m. novaehollandiae</i>) and some Otago birds, and (2) all remaining populations including some Otago birds (<i>E. m. minor</i>). The second clade includes all birds previously assigned to <i>E. m. iredalei</i> (northern Aotearoa New Zealand), <i>E. m. variabilis</i> (Te Moana-o-Raukawa / Cook Strait), <i>E. m. albosignata</i> (the white-flippered penguin of North Canterbury), <i>E. minor chathamensis</i> (Chatham Islands / Rēkohu / Wharekauri), and some <i>E. m. minor</i> (southern Aotearoa New Zealand).

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Falco novaeseelandiae novaeseelandiae</i> (Gmelin 1788)	eastern falcon / kārearea	<i>Falco novaeseelandiae</i> (Gmelin 1788)	New Zealand falcon	Geographical variation in Checklist Committee: A single variable species divided into three forms: bush falcon, smallest and darkest, from Te Ika-a-Māui / North Island and north-west Te Waipounamu / South Island; eastern falcon / 116kārearea116, largest and lightest, from eastern and central Te Waipounamu / South Island; southern falcon, intermediate in size and colour, from Te Rua-o-Te-Moko / Fiordland, Rakiura / Stewart Island and Auckland Island / Mauka Huka. Notes: Trewick & Olley (2016) proposed recognising subspecies on both Te Ika-a-Māui / North Island and Te Waipounamu / South Island based primarily on a size difference between islands. However, this conclusion was not supported by genetic study, and did not adequately test the proposal of Fox (1988) to recognise three forms, one of which occurs on both Te Ika-a-Māui / North Island and Te Waipounamu / South Island (Marchant & Higgins 1993). Therefore, the Checklist Committee continued to recognise no subspecies pending a more comprehensive study.
<i>Gallinula hodgenorum</i> (Scarlett, 1955)	Hodgens' waterhen	<i>Tribonyx hodgenorum</i> (Scarlett, 1955)	Hodgens' waterhen	Geographical variation in Committee Checklist: Nil.
<i>Gygis alba candida</i> Gmelin, 1789	Pacific white tern	<i>Gygis alba candida</i> Gmelin, 1789	white tern	Geographical variation in Checklist Committee: Several forms have been named, and some authorities recognise two different species. The form candida breeds at the Kermadec Islands, and widely throughout the tropical Indian and Pacific Oceans. Recorded in Otago from Ettrick, March 1945

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Larus bulleri</i> Hutton, 1871	black-billed gull / tarāpuka	<i>Chroicocephalus bulleri</i> (Hutton, 1871)	black-billed gull	Geographical variation in Committee Checklist: Nil.
<i>Larus dominicanus dominicanus</i> Lichtenstein, 1823	southern black-backed gull / karoro	<i>Larus dominicanus</i> Lichtenstein, 1823	southern black-backed gull	Geographical variation in Committee Checklist: Five subspecies recognised; Aotearoa New Zealand birds are of the subspecies <i>dominicanus</i> .
<i>Larus novaehollandiae scopulinus</i> J. R. Forster, 1843	red-billed gull / tarāpunga	<i>Chroicocephalus novaehollandiae scopulinus</i> (J.R. Forster, 1843)	red-billed gull	Geographical variation in Checklist Committee: Genetic research revealed five populations; Aotearoa New Zealand birds are <i>C. n. scopulinus</i>).
<i>Limosa haemastica</i> (Linnaeus, 1758)	American black-tailed (Hudsonian) godwit	<i>Limosa haemastica</i> (Linnaeus, 1758)	Hudsonian godwit	Geographical variation in Committee Checklist: Nil.
<i>Megadyptes antipodes</i> (Hombron & Jacquinot, 1841)	yellow-eyed penguin / hoiho	<i>Megadyptes antipodes antipodes</i> (Hombron & Jacquinot, 1841)	yellow-eyed penguin	Geographical variation in Committee Checklist: Three subspecies, with two extinct. The nominate subspecies is the extant yellow-eyed penguin / hoiho (<i>M. a. antipodes</i>) of the eastern Te Waipounamu / South Island, Rakiura / Stewart Island, Auckland Island / Mauka Huka, and Campbell Island / Motu Ihupuku.
<i>Meleagris gallopavo</i> Linnaeus, 1758	wild turkey / korukoru	<i>Meleagris gallopavo gallopavo</i> Linnaeus, 1758	Gould's wild turkey	Notes: A large, well-known domesticated farm bird. Feral turkey populations are widely established in rough farmland throughout Aotearoa New Zealand; scattered eastern locations in the Te Waipounamu / South Island.

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Mergus australis</i> Hombron & Jacquinot, 1841	Auckland Island merganser	<i>Mergus australis</i> Hombron & Jacquinot, 1841	Auckland Island merganser / miuweka*	Geographical variation in Committee Checklist: none described. Notes: The specific identity of Te Ika-a-Māui / North Island, Te Waipounamu / South Island, and Rakiura / Stewart Island <i>Mergus</i> bones is unresolved.
<i>Passer domesticus</i> (Linnaeus, 1758)	house sparrow / tiu	<i>Passer domesticus domesticus</i> (Linnaeus, 1758)	house sparrow	Aotearoa New Zealand birds are assigned to the nominate subspecies <i>domesticus</i> .
<i>Phalacrocorax melanoleucos brevirostris</i> Gould, 1837	little shag / kawaupaka	<i>Microcarbo melanoleucos brevirostris</i> (Gould, 1837)	little shag	Geographical variation in Committee Checklist: Three subspecies are globally recognised. Aotearoa New Zealand birds are of the subspecies <i>brevirostris</i> whose different plumage forms freely interbreed.
<i>Pelecanoides whenuahouensis</i> Fischer et al., 2018	Whenua Hou diving petrel / kuaka Whenua Hou	<i>Pelecanoides georgicus whenuahouensis</i> Fischer, Debski, Miskelly, Bost, Fromant, Tennyson, Tessler, Cole, Hiscock, Taylor & Wittmer 2018	Whenua Hou diving petrel	Geographical variation in Committee Checklist: Two subspecies: <i>P. g. whenuahouensis</i> breeding only on Whenua Hou / Codfish Island, and the more widespread nominate subspecies.
<i>Porzana tabuensis tabuensis</i> Gmelin, 1789	spotless crane / pūweto	<i>Zapornia tabuensis tabuensis</i> (Gmelin, 1789)	spotless crane	Geographical variation in Committee Checklist: Aotearoa New Zealand populations are included in the nominate subspecies <i>tabuensis</i> , ranging from the Philippines to south-west Polynesia, including Australia and Aotearoa New Zealand. Two other subspecies have been named from the highlands of New Guinea.

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Pterodroma cookii</i> (G.R. Gray, 1843)	northern Cook's petrel / tītī	<i>Pterodroma cookii cookii</i> (G.R. Gray, 1843)	northern Cook's petrel	Geographical variation in Committee Checklist: Two subspecies in Aotearoa New Zealand: northern Cook's petrel / tītī (<i>Pt. c. cookii</i>) breeding on Hauturu / Little Barrier, with a few pairs on Aotea / Great Barrier, and southern Cook's petrel (<i>Pt. c. orientalis</i>) breeding on Whenua Hou / Codfish Island.
<i>Puffinus bulleri</i> Salvin, 1888	Buller's shearwater / rako	<i>Ardenna bulleri</i> (Salvin, 1888)	Buller's shearwater	Geographical variation in Committee Checklist: Nil.
<i>Puffinus carneipes</i> Gould, 1844	flesh-footed shearwater / toanui	<i>Ardenna carneipes</i> (Gould, 1844)	flesh-footed shearwater	Geographical variation in Committee Checklist: Nil.
<i>Puffinus gravis</i> O'Reilly, 1818	great shearwater	<i>Ardenna gravis</i> (O'Reilly, 1818)	great shearwater	Geographical variation in Committee Checklist: Nil.
<i>Puffinus griseus</i> (Gmelin, 1789)	sooty shearwater / tītī	<i>Ardenna grisea</i> (Gmelin, 1789)	sooty shearwater	Geographical variation in Checklist Committee: Nil.
<i>Puffinus tenuirostris</i> Temminck, 1836	short-tailed shearwater	<i>Ardenna tenuirostris</i> (Temminck, 1836)	short-tailed shearwater	Geographical variation in Checklist Committee: Nil.
<i>Pygoscelis papua</i> J.R. Forster, 1781	gentoo penguin	<i>Pygoscelis papua taeniata</i> (Peale, 1848)	eastern gentoo penguin	Geographical variation in Checklist Committee: Two subspecies: northern gentoo penguin <i>P. p. papua</i> breeds on subantarctic islands, and the smaller southern gentoo penguin <i>P. p. ellsworthii</i> on the Antarctic Peninsula and adjacent islands.
<i>Sceloglaux albifacies albifacies</i> G.R. Gray, 1844	South Island laughing owl / whēkau*	<i>Ninox albifacies albifacies</i> (G.R. Gray, 1844)	South Island laughing owl	Geographical variation in Checklist Committee: Te Ika-a-Māui / North Island and Te Waipounamu / South Island specimens are sometimes treated as different subspecies on the basis of size and minor plumage differences.
<i>Sterna striata striata</i> Gmelin, 1789	white-fronted tern / tara	<i>Sterna striata</i> (Gmelin, 1789)	white-fronted tern	Geographical variation in Checklist Committee: Nil.

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Sterna hirundo longipennis</i> Nordmann, 1835	eastern common tern	<i>Sterna hirundo</i> , Linnaeus 1835	common tern	Geographical variation in Checklist Committee: Three subspecies are recognised but only the eastern tern <i>S. h. longipennis</i> has been recorded from Aotearoa New Zealand.
<i>Stictocarbo punctatus</i> (Sparrman, 1786)	spotted shag / kawau tikitiki	<i>Phalacrocorax punctatus</i> (Sparrman, 1786)	spotted shag	Geographical variation in Checklist Committee: No subspecies recognised.
<i>Sturnus vulgaris</i> Linnaeus, 1758	common starling / tāringi	<i>Sturnus vulgaris vulgaris</i> Linnaeus, 1758	common starling	Geographical variation in Checklist Committee: Aotearoa New Zealand birds are assigned to the subspecies <i>vulgaris</i> .
<i>Thalassarche melanophris</i> (Temminck, 1828)	black-browed mollymawk / toroa	<i>Thalassarche melanophris</i> (Temminck, 1828)	black-browed albatross	Geographical variation in Checklist Committee: Nil. Sometimes considered conspecific with Campbell black-browed mollymawk.
<i>Thalassarche bulleri bulleri</i> Rothschild, 1888	southern Buller's mollymawk / toroa	<i>Thalassarche bulleri bulleri</i> Rothschild, 1888	southern Buller's albatross	Geographical variation in Checklist Committee: Two subspecies, both extant. Northern Buller's mollymawk / toroa, <i>T. bulleri platei</i> ; southern Buller's mollymawk / toroa, <i>T. b. bulleri</i> .
<i>Thalassarche bulleri platei</i> Rothschild, 1888	northern Buller's mollymawk / toroa	<i>Thalassarche bulleri platei</i> (Reichenow, 1888)	northern Buller's albatross	Geographical variation in Checklist Committee: Two subspecies, both extant. Northern Buller's mollymawk / toroa, <i>T. bulleri platei</i> ; southern Buller's mollymawk / toroa, <i>T. b. bulleri</i> .
<i>Thalassarche cauta steadi</i> Falla, 1933	New Zealand white-capped mollymawk / toroa	<i>Thalassarche cauta steadi</i> Falla, 1933	New Zealand white-capped albatross	Geographical variation in Checklist Committee: Two subspecies, both extant. New Zealand white-capped mollymawk / toroa <i>T. cauta steadi</i> ; Tasmanian mollymawk / toroa, <i>T. c. cauta</i> .
<i>Thalassarche impavida</i> Mathews, 1912	Campbell Island mollymawk / toroa	<i>Thalassarche impavida</i> Mathews, 1912	Campbell Island black-browed albatross	Geographical variation in Checklist Committee: Nil.
<i>Thalassarche salvini</i> Rothschild, 1878	Salvin's mollymawk / toroa	<i>Thalassarche salvini</i> Rothschild, 1878	Salvin's albatross	Geographical variation in Checklist Committee: Nil.

Continued on next page

Conservation status of birds in Otago

Name differences continued

Name and Authority in this Report	Common Name in this Report	Name and Authority in Committee Checklist	Common Name in Committee Checklist	Notes
<i>Traversia lyalli</i> Rothschild, 1894	Stephens Island wren	<i>Traversia lyalli</i> Rothschild, 1894	Lyall's wren	Geographical variation in Checklist Committee: Nil.
<i>Thalassarche chrysostoma</i> J.R. Forster, 1785	grey-headed mollymawk / toroa	<i>Thalassarche chrysostoma</i> J.R. Forster, 1785	grey-headed albatross	Geographical variation in Checklist Committee: Nil.
<i>Threskiornis m121olucca strictipennis</i> (Gould, 1838)	Australian white ibis	<i>Threskiornis m121olucca m121olucca</i> (Cuvier, 1829)	white ibis	Geographical variation in Checklist Committee: Two subspecies: <i>T. m. strictipennis</i> Moluccas and Lesser Sunda Islands, Indonesia, and Australia and southern New Guinea (straying to Aotearoa New Zealand).
<i>Tringa cinerea</i> Guldenstaedt, 1774	Terek sandpiper	<i>Xenus cinereus</i> (Guldenstaedt, 1774)	Terek sandpiper	Geographical variation in Checklist Committee: Nil.
<i>Tringa hypoleucos</i> Linnaeus, 1758	common sandpiper	<i>Actitis hypoleucos</i> (Linnaeus, 1758)	common sandpiper	Geographical variation in Checklist Committee: Nil.
<i>Turdus merula</i> Linnaeus, 1758	Eurasian blackbird / manu pango	<i>Turdus merula merula</i> Linnaeus, 1758	Eurasian blackbird	Geographical variation in Checklist Committee: Aotearoa New Zealand birds are assigned to the nominate subspecies <i>T. m. macula</i> .
<i>Xenicus gilviventris rineyi</i> Falla, 1953	southern rock wren / piwauwau	<i>Xenicus gilviventris</i> Von Pelzeln, 1867	rock wren	Geographical variation in Checklist Committee: The subspecies <i>rineyi</i> was proposed for birds found in Te Rua-o-Te-Moko / Fiordland, but is not currently recognised. Variation in rock wren throughout their range is under investigation.

Appendix 5: Specified Highly Mobile Fauna listed in the National Policy Statement for Indigenous Biodiversity (NPS-IB, 2023) found in the Otago Region (bird taxa only)

Name and Authority in this Report	Common Name in this Report	Regional Conservation Status	Ecosystem from NPS-IB
<i>Anarhynchus frontalis</i> Quoy & Gaimard, 1830	wrybill / ngutu pare	Regionally Critical	coastal/riverine
<i>Anas superciliosa</i> Gmelin, 1789	grey duck / pārera	Regionally Data Deficient	wetland/riverine
<i>Anthus novaeseelandiae novaeseelandiae</i> Gmelin, 1789	New Zealand pipit / pihoihoi	Regionally Not Threatened (Otago)	forest/open
<i>Ardea modesta</i> J.E. Gray, 1831	white heron / kōtuku	Regionally Migrant	wetland/riverine
<i>Botaurus poiciloptilus</i> (Wagler, 1827)	Australasian bittern / matuku-hūrepo	Regionally Critical	wetland/riverine
<i>Bowdleria punctata punctata</i> Quoy & Gaimard, 1830	South Island fernbird / mātātā	Regionally Declining	wetland/riverine
<i>Calidris canutus rogersi</i> Mathews, 1913	lesser knot / huahou*	Regionally Vagrant	coastal/riverine
<i>Charadrius bicinctus bicinctus</i> Jardine and Selby, 1827	banded dotterel / pohowera	Regionally Vulnerable	coastal/riverine
<i>Charadrius obscurus obscurus</i> Gmelin, 1789	southern New Zealand dotterel / tūturiwhatu	Regionally Vagrant	coastal/riverine
<i>Chlidonias albobristatus</i> (G.R. Gray, 1845)	black-fronted tern / tarapirohe	Regionally Endangered	coastal/riverine
<i>Egretta sacra sacra</i> Gmelin, 1789	reef heron / matuku moana	Regionally Vagrant	coastal/riverine
<i>Falco novaeseelandiae novaeseelandiae</i> (Gmelin 1788)	eastern falcon / kārearea	Regionally Vulnerable	forest/open
<i>Gallirallus philippensis assimilis</i> (G.R.Gray, 1843)	banded rail / moho pererū	Regionally Extinct	wetland/riverine
<i>Haematopus finschi</i> Martens, 1897	South Island pied oystercatcher / tōrea	Regionally Vulnerable	coastal/riverine
<i>Haematopus unicolor</i> J.R. Forster, 1844	variable oystercatcher / tōrea pango	Regionally Vulnerable	coastal/riverine
<i>Himantopus novaeseelandiae</i> Gould, 1841	black stilt / kakī	Regionally Vagrant	wetland/riverine
<i>Hydroprogne caspia</i> (Pallas, 1770)	Caspian tern / taranui	Regionally Migrant	coastal/riverine
<i>Hymenolaimus malacorhynchos</i> (Gmelin, 1789)	whio / kōwhiowhio	Regionally Critical	riverine
<i>Larus bulleri</i> Hutton, 1871	black-billed gull / tarāpuka	Regionally Vulnerable	coastal/riverine

Continued on next page

Conservation status of birds in Otago

Specified Highly Mobile Fauna continued

Name and Authority in this Report	Common Name in this Report	Regional Conservation Status	Ecosystem from NPS-IB
<i>Larus novaehollandiae scopulinus</i> J. R. Forster, 1843	red-billed gull / tarāpunga	Regionally Recovering	coastal/riverine
<i>Limosa lapponica baueri</i> Naumann, 1836	eastern bar-tailed godwit / kūaka	Regionally Vulnerable	coastal/riverine
<i>Nestor meridionalis meridionalis</i> (Gmelin, 1788)	South Island kaka / kākā	Regionally Endangered	forest/open
<i>Nestor notabilis</i> Gould, 1856	kea	Regionally Critical	forest/open
<i>Petroica australis australis</i> Sparrman, 1788	South Island robin / kakaruai	Regionally Vulnerable	forest/open
<i>Phalacrocorax varius varius</i> Gmelin, 1789	pied shag / kāruhiruhi	Regionally Migrant	coastal/riverine
<i>Podiceps cristatus australis</i> Gould, 1844	Australasian crested grebe / pūteketeki	Regionally Vulnerable	wetland/riverine
<i>Poliocephalus rufopectus</i> (G.R. Gray, 1843)	New Zealand dabchick / weweia	Regionally Extinct	wetland/riverine
<i>Porzana pusilla affinis</i> (J.E. Gray, 1845)	marsh crake / kotoreke	Regionally Endangered	wetland/riverine
<i>Porzana tabuensis tabuensis</i> Gmelin, 1789	spotless crake / pūweto	Regionally Critical	wetland/riverine
<i>Sterna striata striata</i> Gmelin, 1789	white-fronted tern / tara	Regionally Vulnerable	coastal/riverine
<i>Thinornis novaeseelandiae</i> Gmelin, 1789	shore plover / tuturuatu*	Regionally Extinct	coastal/riverine
<i>Xenicus gilviventris rineyi</i> Falla, 1953	southern rock wren / piwauwau	Regionally Critical	forest/open

Appendix 6: International Union for Conservation of Nature (IUCN) Red List of Threatened Species

Name and Authority and IUCN Status for Indigenous Species only

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
REGIONALLY EXTIRPATED				
REGIONALLY EXTINCT				
<i>Anas chlorotis</i> "South Island" G.R. Gray, 1845	South Island brown teal / pāteke*	<i>Anas chlorotis</i> (Gray, 1845)	brown teal	Near Threatened
<i>Apteryx owenii</i> Gould, 1847	little spotted kiwi / kiwi pukupuku	<i>Apteryx owenii</i> Gould, 1847	little spotted kiwi	Near Threatened
<i>Apteryx spp.</i>	tokoeke	<i>Apteryx australis</i> Shaw, 1813	southern brown kiwi	Vulnerable
<i>Callaeas cinerea</i> (Gmelin, 1788)	South Island kokako / kōkā	<i>Callaeas cinerea</i> (Gmelin, 1788)	South Island kokako	Critically Endangered
<i>Gallirallus australis hectori</i> (Hutton, 1873)	buff weka / weka	<i>Gallirallus australis</i> Sparrman, 1786	weka	Vulnerable
<i>Gallirallus philippensis assimilis</i> (G.R.Gray, 1843)	banded rail / moho pererū	<i>Hypotaenidia philippensis</i> (Linnaeus, 1766)	buff-banded rail	Least Concern
<i>Pelecanoides georgicus whenuahouensis</i> Fischer, Debski, Miskelly, Bost, Fromant, Tennyson, Tessler, Cole, Hiscock, Taylor & Wittmer 2018	Whenua Hou diving petrel / kuaka Whenua Hou*	<i>Pelecanoides georgicus whenuahouensis</i> Fischer et al., 2018	Whenua Hou diving petrel	Critically Endangered
<i>Philesturnus carunculatus</i> Gmelin, 1789	South Island saddleback / tieke	<i>Philesturnus carunculatus</i> (Gmelin, 1789)	South Island saddleback	Least Concern
<i>Poliocephalus rufopectus</i> (G.R. Gray, 1843)	New Zealand dabchick / weweia	<i>Poliocephalus rufopectus</i> (Gray, 1843)	New Zealand grebe	Least Concern
<i>Porphyrio hochstetteri</i> (A.B. Meyer, 1883)	South Island takahe / takahē	<i>Porphyrio hochstetteri</i> (A.B. Meyer, 1883)	South Island takahe	Endangered

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Strigops habroptilus</i> Gray, 1845	kākāpō	<i>Strigops habroptilus</i> Gray, 1845	kakapo	Critically Endangered
<i>Thinornis novaeseelandiae</i> Gmelin, 1789	shore plover / tuturuatu*	<i>Thinornis novaeseelandiae</i> (Gmelin, 1789)	shore plover	Extinct
GLOBALLY EXTINCT				
<i>Ixobrychus novaezealandiae</i> (Purdie, 1871)	New Zealand little bittern / kaoriki	<i>Ixobrychus novaezealandiae</i> (Potts, 1871)	New Zealand little bittern	Extinct
<i>Mergus australis</i> Hombron & Jacquinot, 1841	Auckland Island merganser / miuweka*	<i>Mergus australis</i> Hombron & Jacquinot, 1841	New Zealand merganser	Extinct
<i>Sceloglaux albifacies albifacies</i> G.R. Gray, 1844	South Island laughing owl / whēkau*	<i>Ninox albifacies</i> (Gray, 1844)	laughing owl	Extinct
<i>Traversia lyalli</i> Rothschild, 1894	Stephens Island wren	<i>Traversia lyalli</i> Rothschild, 1894	Stephens Island rockwren	Extinct
<i>Turnagra capensis capensis</i> Sparman, 1787	South Island piopio / piopio	<i>Turnagra capensis</i> (Sparman, 1787)	South Island piopio	Extinct
<i>Xenicus longipes longipes</i> (Gmelin, 1789)	South Island bush wren / mātuhituhi	<i>Xenicus longipes</i> (Gmelin, 1789)	bushwren	Extinct
REGIONALLY THREATENED				
REGIONALLY CRITICAL				
<i>Anarhynchus frontalis</i> Quoy & Gaimard, 1830	wrybill / ngutu pare	<i>Anarhynchus frontalis</i> Quoy & Gaimard, 1830	wrybill	Vulnerable
<i>Botaurus poiciloptilus</i> (Wagler, 1827)	Australasian bittern / matuku-hūrepo	<i>Botaurus poiciloptilus</i> (Wagler, 1827)	Australasian bittern	Vulnerable
<i>Cyanoramphus novaezealandiae novaezealandiae</i> Sparman, 1787	red-crowned parakeet / kākāriki	<i>Cyanoramphus novaezealandiae</i> Sparman, 1787	red-crowned parakeet	Least Concern
<i>Cyanoramphus malherbi</i> Souancé, 1857	orange-fronted parakeet / kākāriki karaka	<i>Cyanoramphus malherbi</i> Souancé, 1857	Malherbe's parakeet	Critically Endangered
<i>Diomedea sanfordi</i> Murphy, 1917	northern royal albatross / toroa	<i>Diomedea sanfordi</i> Murphy, 1917	northern royal albatross	Endangered

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Hymenolaimus malacorhynchos</i> (Gmelin, 1789)	whio / kōwhiowhio	<i>Hymenolaimus malacorhynchos</i> (Gmelin, 1789)	blue duck	Endangered
<i>Megadyptes antipodes</i> (Hombron & Jacquinot, 1841)	yellow-eyed penguin / hoiho	<i>Megadyptes antipodes</i> (Hombron & Jacquinot, 1841)	yellow-eyed penguin	Endangered
<i>Nestor notabilis</i> Gould, 1856	kea	<i>Nestor notabilis</i> Gould, 1856	kea	Endangered
<i>Porzana tabuensis tabuensis</i> Gmelin, 1789	spotless crane / pūweto	<i>Zapornia tabuensis</i> (Gmelin, 1789)	spotless crane	Least Concern
<i>Xenicus gilviventris rineyi</i> Falla, 1953	southern rock wren / pīwauwau	<i>Xenicus gilviventris</i> Pelzeln, 1867	rock wren	Endangered
REGIONALLY ENDANGERED				
<i>Chlidonias albobriatus</i> (G.R. Gray, 1845)	black-fronted tern / tarapirohe	<i>Chlidonias albobriatus</i> (G.R. Gray, 1845)	black-fronted tern	Endangered
<i>Eudynamis taitensis</i> (Sparrman)	long-tailed cuckoo / koekoeā	<i>Urodynamis taitensis</i> (Sparrman, 1787)	long-tailed koel	Least Concern
<i>Gallirallus australis hectori</i> (Hutton, 1873)	buff weka / weka	<i>Gallirallus australis</i> Sparrman, 1786	weka	Vulnerable
<i>Nestor meridionalis meridionalis</i> (Gmelin, 1788)	South Island kaka / kāka	<i>Nestor meridionalis</i> (Gmelin, 1788)	New Zealand kaka	Vulnerable
<i>Phalacrocorax carbo novaehollandiae</i> Stephens, 1826	black shag / kōau	<i>Phalacrocorax carbo</i> (Linnaeus, 1758)	great cormorant	Least Concern
<i>Porzana pusilla affinis</i> (J.E. Gray, 1845)	marsh crane / kotoreke	<i>Zapornia pusilla</i> (Pallas, 1776)	Baillon's Crane	Least Concern
REGIONALLY VULNERABLE				
<i>Charadrius bicinctus bicinctus</i> Jardine and Selby, 1827	banded dotterel / pohowera	<i>Charadrius bicinctus</i> Jardine and Selby, 1827	double-banded plover	Near Threatened
<i>Cyanoramphus auriceps</i> Kuhl, 1820	yellow-crowned parakeet / kākārīki	<i>Cyanoramphus auriceps</i> Kuhl, 1820	yellow-fronted parakeet	Near Threatened
<i>Falco novaeseelandiae novaeseelandiae</i> (Gmelin 1788)	eastern falcon / kārearea	<i>Falco novaeseelandiae</i> Gmelin, 1788	New Zealand falcon	Least Concern
<i>Haematopus finschi</i> Martens, 1897	South Island pied oystercatcher / tōrea	<i>Haematopus finschi</i> Martens, 1897	South Island oystercatcher	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Haematopus unicolor</i> J.R. Forster, 1844	variable oystercatcher / tōrea pango	<i>Haematopus unicolor</i> J.R. Forster, 1844	variable oystercatcher	Least Concern
<i>Larus bulleri</i> Hutton, 1871	black-billed gull / tarāpuka	<i>Larus bulleri</i> Hutton, 1871	black-billed gull	Least Concern
<i>Leucocarbo chalconotus</i> G.R. Gray, 1845	Otago shag / matapo	<i>Leucocarbo chalconotus</i> (Gray, 1845)	Stewart Island shag	Vulnerable
<i>Limosa lapponica baueri</i> Naumann, 1836	eastern bar-tailed godwit / kūaka	<i>Limosa lapponica</i> (Linnaeus, 1758)	bar-tailed godwit	Near Threatened
<i>Mohoua ochrocephala</i> (Gmelin, 1789)	yellowhead / mohua	<i>Mohoua ochrocephala</i> (Gmelin, 1789)	yellowhead	Near Threatened
<i>Ninox novaeseelandiae</i> <i>novaeseelandiae</i> Gmelin, 1788	morepork / ruru	<i>Ninox novaeseelandiae</i> Gmelin, 1788	morepork	Least Concern
<i>Pachyptila turtur</i> (Kuhl, 1820)	fairy prion / titi wainui	<i>Pachyptila turtur</i> (Kuhl, 1820)	fairy prion	Least Concern
<i>Petroica australis australis</i> Sparrman, 1788	South Island robin / kakaruai	<i>Petroica australis</i> (Sparrman, 1788)	South Island robin	Least Concern
<i>Phalacrocorax melanoleucos brevirostris</i> Gould, 1837	little shag / kawaupaka	<i>Microcarbo melanoleucos</i> (Vieillot, 1817)	little pied cormorant	Least Concern
<i>Podiceps cristatus</i> australis Gould, 1844	Australasian crested grebe / pūteketeke	<i>Podiceps cristatus</i> (Linnaeus, 1758)	great crested grebe	Least Concern
<i>Puffinus griseus</i> (Gmelin, 1789)	sooty shearwater / titi	<i>Ardenna grisea</i> (Gmelin, 1789)	sooty shearwater	Near Threatened
<i>Sterna striata striata</i> Gmelin, 1789	white-fronted tern / tara	<i>Sterna striata</i> Gmelin, 1789	white-fronted tern	Near Threatened
<i>Stictocarbo punctatus</i> (Sparrman, 1786)	spotted shag / kawau tikitiki	<i>Phalacrocorax punctatus</i> Sparrman, 1786	spotted shag	Least Concern
REGIONALLY AT RISK				
REGIONALLY DECLINING				
<i>Bowdleria punctata</i> punctata Quoy & Gaimard, 1830	South Island fernbird / mātātā	<i>Poodytes punctatus</i> (Quoy & Gaimard, 1830)	New Zealand Fernbird	Least Concern
<i>Mohoua novaeseelandiae</i> (Gmelin, 1789)	brown creeper / pipipi	<i>Mohoua novaeseelandiae</i> (Gmelin, 1789)	pipipi	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Zosterops lateralis lateralis</i> Latham, 1802	silveryeye / tauhou	<i>Zosterops lateralis</i> (Latham, 1801)	silveryeye	Least Concern
REGIONALLY RECOVERING				
<i>Larus novaehollandiae scopulinus</i> J. R. Forster, 1843	red-billed gull / tarāpunga	<i>Larus novaehollandiae</i> Stephens, 1826	silver gull	Least Concern
REGIONALLY NON-RESIDENT NATIVE				
REGIONAL MIGRANT				
<i>Ardea modesta</i> J.E. Gray, 1831	white heron / kōtuku	<i>Ardea alba</i> Linnaeus, 1758	great white egret	Least Concern
<i>Catharacta antarctica lonnbergi</i> Mathews, 1912	subantarctic skua / hākoakoa	<i>Catharacta antarctica</i> (Lesson, 1831)	brown skua	Least Concern
<i>Daption capense australe</i> Mathews, 1913	Snares Cape petrel / karetai hurukoko*	<i>Daption capense</i> (Linnaeus, 1758)	cape petrel	Least Concern
<i>Daption capense capense</i> (Linnaeus, 1758)	Antarctic cape petrel / karetai hurukoko*	<i>Daption capense</i> (Linnaeus, 1758)	cape petrel	Least Concern
<i>Diomedea antipodensis antipodensis</i> Robertson & Warham, 1992	Antipodean wandering albatross / toroa	<i>Diomedea exulans</i> Linnaeus, 1758	wandering albatross	Vulnerable
<i>Diomedea antipodensis gibsoni</i> Robertson & Warham 1992	Gibson's wandering albatross / toroa	<i>Diomedea exulans</i> Linnaeus, 1758	wandering albatross	Vulnerable
<i>Diomedea epomophora</i> Lesson, 1825	southern royal albatross / toroa	<i>Diomedea epomophora</i> Lesson, 1825	southern royal albatross	Vulnerable
<i>Eudyptes pachyrhynchus</i> G.R. Gray, 1845	Fiordland crested penguin / tawaki	<i>Eudyptes pachyrhynchus</i> G.R. Gray, 1845	Fiordland penguin	Near Threatened
<i>Fregetta tropica</i> (Gould, 1844)	black-bellied storm petrel / takahikare-rangi	<i>Fregetta tropica</i> (Gould, 1844)	black-bellied storm petrel	Least Concern
<i>Fulmarus glacialisoides</i> A. Smith, 1826	Antarctic fulmar	<i>Fulmarus glacialisoides</i> (Smith, 1840)	southern fulmar	Least Concern
<i>Garrodia nereis</i> (Gould, 1841)	grey-backed storm petrel / reoreo*	<i>Garrodia nereis</i> (Gould, 1841)	grey-backed storm petrel	Least Concern
<i>Hydroprogne caspia</i> (Pallas, 1770)	Caspian tern / taranui	<i>Hydroprogne caspia</i> (Pallas, 1770)	Caspian tern	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Macronectes giganteus</i> (Gmelin, 1789)	southern giant petrel / pāngurunguru	<i>Macronectes giganteus</i> (Gmelin, 1789)	southern giant petrel	Least Concern
<i>Macronectes halli</i> Mathews, 1912	northern giant petrel / pāngurunguru	<i>Macronectes halli</i> Mathews, 1912	northern giant petrel	Least Concern
<i>Morus serrator</i> G.R. Gray, 1843	Australasian gannet / tākapu	<i>Morus serrator</i> G.R. Gray, 1843	Australasian gannet	Least Concern
<i>Oceanites oceanicus exasperatus</i> Mathews, 1912	Wilson's storm petrel	<i>Oceanites oceanicus</i> (Kuhl, 1820)	Wilson's storm petrel	Least Concern
<i>Pachyptila vittata</i> Forster, G, 1777	broad-billed prion / pararā	<i>Pachyptila vittata</i> (Forster, 1777)	broad-billed prion	Least Concern
<i>Pelecanoides urinatrix chathamensis</i> Murphy and Harper, 1916	southern diving petrel / kuaka	<i>Pelecanoides urinatrix</i> (Gmelin, 1789)	common diving petrel	Least Concern
<i>Phalacrocorax varius varius</i> Gmelin, 1789	pied shag / kāruhiruhi	<i>Phalacrocorax varius</i> Gmelin, 1789	great pied cormorant	Least Concern
<i>Procellaria aequinoctialis</i> Linnaeus, 1758	white-chinned petrel / karetai kauae mā	<i>Procellaria aequinoctialis</i> Linnaeus, 1758	white-chinned petrel	Vulnerable
<i>Procellaria cinerea</i> Gmelin, 1789	grey petrel / kuia	<i>Procellaria cinerea</i> Gmelin, 1789	grey petrel	Near Threatened
<i>Procellaria westlandica</i> Falla, 1946	Westland petrel / tāiko	<i>Procellaria westlandica</i> Falla, 1946	Westland petrel	Endangered
<i>Pterodroma cookii</i> (G.R. Gray, 1843)	northern Cook's petrel / titi	<i>Pterodroma cookii</i> (Gray, 1843)	Cook's petrel	Vulnerable
<i>Pterodroma gouldi</i> (Hutton, 1869)	grey-faced petrel / ōi	<i>Pterodroma gouldi</i> (Hutton, 1869)	grey-faced petrel	Least Concern
<i>Pterodroma inexpectata</i> (J.R. Forster, 1844)	mottled petrel / kōrure	<i>Pterodroma inexpectata</i> (Forster, 1844)	mottled petrel	Near Threatened
<i>Pterodroma lessonii</i> (Garnot, 1826)	white-headed petrel	<i>Pterodroma lessonii</i> (Garnot, 1826)	white-headed petrel	Least Concern
<i>Puffinus bulleri</i> Salvin, 1888	Buller's shearwater / rako	<i>Ardenna bulleri</i> (Salvin, 1888)	Buller's shearwater	Vulnerable
<i>Puffinus gavia</i> J.R. Forster, 1844	fluttering shearwater / pakahā	<i>Puffinus gavia</i> (Forster, 1844)	fluttering shearwater	Least Concern
<i>Puffinus huttoni</i> Mathews, 1912	Hutton's shearwater / Kaikōura titi	<i>Puffinus huttoni</i> Mathews, 1912	Hutton's shearwater	Least Concern
<i>Puffinus tenuirostris</i> Temminck, 1836	short-tailed shearwater	<i>Ardenna tenuirostris</i> (Temminck, 1835)	short-tailed shearwater	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Stercorarius parasiticus</i> (Linnaeus, 1758)	Arctic skua	<i>Stercorarius parasiticus</i> (Linnaeus, 1758)	Arctic jaeger	Least Concern
<i>Thalassarche bulleri bulleri</i> Rothschild, 1888	southern Buller's mollymawk / toroa	<i>Thalassarche bulleri</i> (Rothschild, 1893)	Buller's albatross	Near Threatened
<i>Thalassarche cauta steadi</i> Falla, 1933	New Zealand white-capped mollymawk / toroa	<i>Thalassarche steadi</i> Falla, 1933	white-capped albatross	Near Threatened
<i>Thalassarche impavida</i> Mathews, 1912	Campbell Island mollymawk / toroa	<i>Thalassarche impavida</i> Mathews, 1912	Campbell albatross	Vulnerable
<i>Thalassarche melanophris</i> (Temminck, 1828)	black-browed mollymawk / toroa	<i>Thalassarche melanophris</i> (Temminck, 1828)	black-browed albatross	Least Concern
<i>Thalassarche salvini</i> Rothschild, 1878	Salvin's mollymawk / toroa	<i>Thalassarche salvini</i> (Rothschild, 1893)	Salvin's albatross	Vulnerable
REGIONAL VAGRANT				
<i>Anas castanea</i> (Eyton, 1838)	chestnut teal	<i>Anas castanea</i> (Eyton, 1838)	chestnut teal	Least Concern
<i>Anas clypeata</i> Linnaeus, 1758	northern shoveler	<i>Spatula clypeata</i> (Linnaeus, 1758)	northern shoveler	Least Concern
<i>Anous minutus</i> Boie, 1844	white capped noddy	<i>Anous minutus minutus</i> Boie, 1844	black noddy	Least Concern
<i>Aptenodytes patagonicus</i> J.F. Miller, 1778	king penguin / tokoraki	<i>Aptenodytes patagonicus</i> Miller, 1778	king penguin	Least Concern
<i>Ardea ibis coromanda</i> Boddaert, 1783	eastern cattle egret	<i>Bubulcus ibis</i> (Linnaeus, 1758)	cattle egret	Least Concern
<i>Ardea intermedia plumifera</i> (Gould, 1848)	plumed intermediate egret	<i>Ardea plumifera</i> (Gould, 1848)	plumed egret	Least Concern
<i>Ardea pacifica</i> Latham, 1802	white-necked heron	<i>Ardea pacifica</i> Latham, 1801	white-necked heron	Least Concern
<i>Arenaria interpres</i> (Linnaeus, 1758)	ruddy turnstone	<i>Arenaria interpres</i> (Linnaeus, 1758)	ruddy turnstone	Least Concern
<i>Artamus personatus</i> (Gould, 1841)	masked woodswallow	<i>Artamus personatus</i> Gould, 1841	masked woodswallow	Least Concern
<i>Artamus superciliosus</i> (Gould, 1837)	white-browed woodswallow	<i>Artamus superciliosus</i> (Gould, 1837)	white-browed woodswallow	Least Concern
<i>Aythya australis</i> (Eyton, 1838)	Australian white-eyed duck / karakahia	<i>Aythya australis</i> (Eyton, 1838)	hardhead	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Cacomantis flabelliformis</i> <i>flabelliformis</i> Latham, 1802	fan-tailed cuckoo	<i>Cacomantis flabelliformis</i> Latham, 1801	fan-tailed cuckoo	Least Concern
<i>Calidris acuminata</i> (Horsfield, 1821)	sharp-tailed sandpiper / kohutapu	<i>Calidris acuminata</i> (Horsfield, 1821)	sharp-tailed sandpiper	Vulnerable
<i>Calidris canutus rogersi</i> Mathews, 1913	lesser knot / huahou	<i>Calidris canutus</i> (Linnaeus, 1758)	red knot	Near Threatened
<i>Calidris ferruginea</i> (Pontoppidan, 1763)	curlew sandpiper	<i>Calidris ferruginea</i> (Pontoppidan, 1763)	curlew sandpiper	Near Threatened
<i>Calidris melanotos</i> (Vieillot, 1819)	pectoral sandpiper	<i>Calidris melanotos</i> (Vieillot, 1819)	pectoral sandpiper	Least Concern
<i>Calidris ruficollis</i> (Pallas, 1776)	red-necked stint	<i>Calidris ruficollis</i> (Pallas, 1776)	red-necked stint	Near Threatened
<i>Catharacta maccormicki</i> (Saunders, 1893)	Antarctic skua	<i>Catharacta maccormicki</i> (Saunders, 1893)	south polar skua	Least Concern
<i>Charadrius leschenaultii leschenaultii</i> Lesson, 1826	greater sand plover	<i>Charadrius leschenaultii</i> Lesson, 1826	greater sandplover	Least Concern
<i>Charadrius mongolus</i> Pallas, 1776	Mongolian dotterel	<i>Charadrius mongolus</i> Pallas, 1776	Siberian sandplover	Endangered
<i>Charadrius obscurus obscurus</i> Gmelin, 1789	southern New Zealand dotterel / tūturiwhatu	<i>Charadrius obscurus</i> Gmelin, 1789	southern red-breasted plover	Critically Endangered
<i>Charadrius ruficapillus</i> Temminck, 1821	red-capped dotterel	<i>Charadrius ruficapillus</i> Temminck, 1822	red-capped plover	Least Concern
<i>Chenonetta jubata</i> Latham, 1802	Australian wood duck	<i>Chenonetta jubata</i> (Latham, 1801)	maned duck	Least Concern
<i>Chlidonias hybridus javanicus</i> Horsfield, 1821	whiskered tern	<i>Chlidonias hybridus</i> (Pallas, 1811)	whiskered tern	Least Concern
<i>Chlidonias leucopterus</i> (Temminck, 1815)	white-winged black tern	<i>Chlidonias leucopterus</i> (Temminck, 1815)	white-winged tern	Least Concern
<i>Coprotheres pomarinus</i> (Temminck, 1815)	pomarine skua	<i>Coprotheres pomarinus</i> (Temminck, 1815)	pomarine jaeger	Least Concern
<i>Coracina novaehollandiae</i> (Gmelin, 1789)	black-faced cuckoo-shrike	<i>Coracina novaehollandiae</i> (Gmelin, 1789)	black-faced cuckooshrike	Least Concern
<i>Cuculus optatus</i> Gould, 1845	oriental cuckoo	<i>Cuculus optatus</i> Gould, 1845	oriental cuckoo	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Cuculus pallidus</i> (Latham, 1801)	pallid cuckoo	<i>Cuculus pallidus</i> (Latham, 1801)	pallid cuckoo	Least Concern
<i>Dacelo novaeguineae</i> Hermann, 1783	laughing kookaburra	<i>Dacelo novaeguineae</i> (Hermann, 1783)	laughing kookaburra	Least Concern
<i>Dendrocygna eytoni</i> Eyton, 1838	plumed whistling duck	<i>Dendrocygna eytoni</i> (Eyton, 1838)	plumed whistling duck	Least Concern
<i>Diomedea exulans</i> Linnaeus, 1758	wandering albatross / toroa	<i>Diomedea exulans</i> Linnaeus, 1758	wandering albatross	Vulnerable
<i>Egretta garzetta immaculata</i> Linnaeus, 1766	little egret	<i>Egretta garzetta</i> (Linnaeus, 1766)	little egret	Least Concern
<i>Egretta sacra sacra</i> Gmelin, 1789	reef heron / matuku moana	<i>Egretta sacra</i> (Gmelin, 1789)	pacific reef-egret	Least Concern
<i>Elseornis melanops</i> (Vieillot, 1818)	black-fronted dotterel	<i>Elseornis melanops</i> (Vieillot, 1818)	black-fronted dotterel	Least Concern
<i>Eudyptes chrysocome</i> J.R. Forster, 1781	western rockhopper penguin / tawaki piki toka	<i>Eudyptes chrysocome</i> (Forster, 1781)	southern rockhopper penguin	Vulnerable
<i>Eudyptes filholi</i> Hutton, 1879	eastern rockhopper penguin / tawaki piki toka	<i>Eudyptes chrysocome</i> (Forster, 1781)	southern rockhopper penguin	Vulnerable
<i>Eudyptes robustus</i> Oliver, 1953	Snares crested penguin / pokotiwaha	<i>Eudyptes robustus</i> Oliver, 1953	Snares crested penguin	Vulnerable
<i>Eudyptes schlegeli</i> Finsch, 1876	royal penguin	<i>Eudyptes schlegeli</i> Finsch, 1876	royal penguin	Least Concern
<i>Eudyptes sclateri</i> Buller, 1888	erect-crested penguin / tawaki nana hi	<i>Eudyptes sclateri</i> Buller, 1888	erect-crested penguin	Endangered
<i>Eurystomus orientalis pacificus</i> (Latham, 1802)	dollarbird	<i>Eurystomus orientalis</i> (Latham, 1766)	oriental dollarbird	Least Concern
<i>Falco cenchroides cenchroides</i> Vigors & Horsfield, 1827	Nankeen kestrel	<i>Falco cenchroides</i> Vigors & Horsfield, 1827	Nankeen kestrel	Least Concern
<i>Fregata ariel ariel</i> G.R. Gray, 1845	lesser frigatebird	<i>Fregata ariel</i> (Gray, 1845)	lesser frigatebird	Least Concern
<i>Fregetta grallaria grallaria</i> Vieillot, 1818	white-bellied storm petrel	<i>Fregatta grallaria</i> (Vieillot, 1817)	white-bellied storm petrel	Least Concern
<i>Gallinago hardwickii</i> J.E Gray, 1831	Japanese snipe	<i>Gallinago hardwickii</i> (Gray, 1831)	Latham's snipe	Near Threatened
<i>Gallinula chloropus</i> Linnaeus, 1758	common moorhen	<i>Gallinula chloropus</i> (Linnaeus, 1758)	common moorhen	Least Concern
<i>Gallinula tenebrosa</i> Gould, 1846	dusky moorhen	<i>Gallinula tenebrosa</i> Gould, 1846	dusky moorhen	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Gygis alba candida</i> Gmelin, 1789	Pacific white tern	<i>Gygis alba candida</i> Gmelin, 1789	white tern	Least Concern
<i>Halobaena caerulea</i> (Gmelin, 1789)	blue petrel	<i>Halobaena caerulea</i> (Gmelin, 1789)	blue petrel	Least Concern
<i>Himantopus novaezelandiae</i> Gould, 1841	black stilt / kaki	<i>Himantopus novaezelandiae</i> Gould, 1841	black stilt	Critically Endangered
<i>Hirundapus caudacutus caudacutus</i> Latham, 1802	white-throated needletail	<i>Hirundapus caudacutus</i> (Latham, 1802)	white-throated needletail	Least Concern
<i>Lalage tricolor</i> Swainson, 1825	white-winged triller	<i>Lalage tricolor</i> (Swainson, 1825)	white-winged triller	Least Concern
<i>Larus pipixcan</i> Wagler, 1831	Franklin's gull	<i>Larus pipixcan</i> Wagler, 1831	Franklin's gull	Least Concern
<i>Limosa haemastica</i> (Linnaeus, 1758)	American black-tailed (Hudsonian) godwit	<i>Limosa haemastica</i> (Linnaeus, 1758)	Hudsonian godwit	Least Concern
<i>Lugensa brevirostris</i> (Lesson, 1833)	Kerguelen petrel	<i>Lugensa brevirostris</i> (Lesson, 1833)	Kerguelen petrel	Least Concern
<i>Milvus migrans</i> (Boddaert, 1783)	black kite	<i>Milvus migrans</i> (Boddaert, 1783)	black kite	Least Concern
<i>Numenius madagascariensis</i> Linnaeus, 1766	eastern curlew	<i>Numenius madagascariensis</i> (Linnaeus, 1766)	far eastern curlew	Endangered
<i>Numenius phaeopus variegatus</i> (Scopoli, 1786)	Asiatic whimbrel	<i>Numenius phaeopus</i> (Linnaeus, 1758)	whimbrel	Least Concern
<i>Nycticorax caledonicus australasiae</i> Gmelin, 1789	Nankeen night heron	<i>Nycticorax caledonicus</i> (Gmelin, 1789)	Rufous night-heron	Least Concern
<i>Oceanodroma leucorhoa leucorhoa</i> Vieillot, 1818	Leach's storm petrel	<i>Oceanodroma leucorhoa</i> (Vieillot, 1818)	Leach's storm petrel	Vulnerable
<i>Pachyptila belcheri</i> (Mathews, 1912)	thin-billed prion	<i>Pachyptila belcheri</i> (Mathews, 1912)	slender-billed prion	Least Concern
<i>Pachyptila desolata</i> Gmelin, 1789	Antarctic prion	<i>Pachyptila desolata</i> (Gmelin, 1789)	Antarctic prion	Least Concern
<i>Pachyptila salvini</i> Mathews, 1912	Salvin's prion	<i>Pachyptila salvini</i> Mathews, 1912	Salvin's prion	Least Concern
<i>Petrochelidon ariel</i> (Gould, 1843)	fairy martin	<i>Petrochelidon ariel</i> (Gould, 1843)	fairy martin	Least Concern
<i>Petrochelidon nigricans</i> (Vieillot, 1817)	tree martin	<i>Petrochelidon nigricans</i> (Vieillot, 1817)	tree martin	Least Concern
<i>Phalacrocorax sulcirostris</i> (Brandt, 1837)	little black shag	<i>Phalacrocorax sulcirostris</i> (Brandt, 1837)	little black cormorant	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Phalaropus fulicarius</i> (Linnaeus, 1758)	grey phalarope	<i>Phalaropus fulicarius</i> (Linnaeus, 1758)	red phalarope	Least Concern
<i>Phoebastria palpebrata</i> J.R. Forster, 1785	light-mantled sooty albatross / toroa pango	<i>Phoebastria palpebrata</i> (Forster, 1785)	light-mantled albatross	Near Threatened
<i>Plegadis falcinellus</i> (Linnaeus, 1766)	glossy ibis	<i>Plegadis falcinellus</i> (Linnaeus, 1766)	glossy ibis	Least Concern
<i>Pluvialis fulva</i> (Gmelin, 1789)	Pacific golden plover / kuriri*	<i>Pluvialis fulva</i> (Gmelin, 1789)	Pacific golden plover	Least Concern
<i>Pluvialis squatarola</i> (Linnaeus, 1758)	grey plover	<i>Pluvialis squatarola</i> (Linnaeus, 1758)	grey plover	Least Concern
<i>Pterodroma externa</i> (Salvin, 1875)	Juan Fernandez petrel	<i>Pterodroma externa</i> (Salvin, 1875)	Juan Fernandez petrel	Vulnerable
<i>Pterodroma leucoptera caledonica</i> Imber & Jenkins, 1981	New Caledonian petrel	<i>Pterodroma leucoptera</i> (Gould, 1844)	white-winged petrel	Vulnerable
<i>Pterodroma mollis</i> (Gould, 1844)	soft-plumaged petrel	<i>Pterodroma mollis</i> (Gould, 1844)	soft-plumaged petrel	Least Concern
<i>Puffinus carneipes</i> Gould, 1844	flesh-footed shearwater / toanui	<i>Ardenna carneipes</i> (Gould, 1844)	flesh-footed shearwater	Near Threatened
<i>Puffinus elegans</i> Giglioli & Salvadori, 1869	Subantarctic little shearwater	<i>Puffinus elegans</i> Giglioli & Salvadori, 1869	Subantarctic little shearwater	Least Concern
<i>Puffinus gravis</i> O'Reilly, 1818	great shearwater	<i>Ardenna gravis</i> (O'Reilly, 1818)	great shearwater	Least Concern
<i>Pygoscelis adeliae</i> (Hombron & Jacquinot, 1841)	Adélie penguin	<i>Pygoscelis adeliae</i> (Hombron & Jacquinot, 1841)	Adélie penguin	Least Concern
<i>Pygoscelis antarcticus</i> J.R. Forster, 1781	chinstrap penguin	<i>Pygoscelis antarcticus</i> (Forster, 1781)	chinstrap penguin	Least Concern
<i>Pygoscelis papua</i> J.R. Forster, 1781	gentoo penguin	<i>Pygoscelis papua</i> (Forster, 1781)	gentoo penguin	Least Concern
<i>Recurvirostra novaehollandiae</i> Vieillot, 1816	red-necked avocet / piwari	<i>Recurvirostra novaehollandiae</i> Vieillot, 1816	red-necked avocet	Least Concern
<i>Stercorarius longicaudus</i> Vieillot, 1819	long-tailed skua	<i>Stercorarius longicaudus</i> Vieillot, 1819	long-tailed jaeger	Least Concern
<i>Sterna hirundo longipennis</i> Nordmann, 1835	common tern	<i>Sterna hirundo</i> Linnaeus, 1758	common tern	Least Concern
<i>Sterna paradisaea</i> Pontoppidan, 1763	Arctic tern	<i>Sterna paradisaea</i> Pontoppidan, 1763	Arctic tern	Least Concern
<i>Sterna vittata bethunei</i> Travers, 1896	New Zealand Antarctic tern	<i>Sterna vittata</i> Gmelin, 1789	Antarctic tern	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Sternula albifrons sinensis</i> Pallas, 1764	little tern	<i>Sternula albifrons</i> (Pallas, 1764)	little tern	Least Concern
<i>Tachybaptus novaehollandiae novaehollandiae</i> Stephens, 1826	Australasian little grebe / tokitokipio	<i>Tachybaptus novaehollandiae</i> (Stephens, 1826)	Australasian grebe	Least Concern
<i>Tadorna tadornoides</i> Jardine & Selby, 1828	Chestnut-breasted shelduck	<i>Tadorna tadornoides</i> Jardine & Selby, 1828	Australian shelduck	Least Concern
<i>Thalassarche chrysostoma</i> J.R. Forster, 1785	grey-headed mollymawk / toroa	<i>Thalassarche chrysostoma</i> (Forster, 1785)	grey-headed albatross	Endangered
<i>Thalassarche eremita</i> Murphy, 1930	Chatham Island mollymawk / toroa	<i>Thalassarche eremita</i> Murphy, 1930	Chatham albatross	Vulnerable
<i>Thalassoica antarctica</i> (Gmelin, 1789)	Antarctic petrel	<i>Thalassoica antarctica</i> (Gmelin, 1789)	Antarctic petrel	Least Concern
<i>Threskiornis molucca strictipennis</i> (Gould, 1838)	Australian white ibis	<i>Threskiornis molucca</i> (Cuvier, 1829)	Australian ibis	Least Concern
<i>Threskiornis spinicollis</i> Jameson, 1835	straw-necked ibis	<i>Threskiornis spinicollis</i> (Jameson, 1835)	straw-necked ibis	Least Concern
<i>Tringa brevipes</i> (Vieillot, 1816)	grey-tailed tattler	<i>Tringa brevipes</i> (Vieillot, 1816)	grey-tailed tattler	Near Threatened
<i>Tringa cinerea</i> Guldenstaedt, 1774	Terek sandpiper	<i>Xenus cinereus</i> (Güldenstädt, 1775)	Terek sandpiper	Least Concern
<i>Tringa hypoleucos</i> Linnaeus, 1758	common sandpiper	<i>Tringa hypoleucos</i> Linnaeus, 1758	common sandpiper	Least Concern
<i>Tringa incana</i> (Gmelin, 1789)	wandering tattler	<i>Tringa incana</i> (Gmelin, 1789)	wandering tattler	Least Concern
<i>Tringa nebularia</i> (Gunnerus, 1767)	greenshank	<i>Tringa nebularia</i> (Gunnerus, 1767)	common greenshank	Least Concern
<i>Tringa stagnatilis</i> (Bechstein, 1803)	marsh sandpiper	<i>Tringa stagnatilis</i> (Bechstein, 1803)	marsh sandpiper	Least Concern
REGIONALLY NOT THREATENED				
<i>Acanthisitta chloris chloris</i> Sparrman, 1787	South Island rifleman / tititipounamu	<i>Acanthisitta chloris</i> (Sparrman, 1787)	rifleman	Least Concern
<i>Anas gracilis</i> Buller, 1869	grey teal / tētē-moroiti	<i>Anas gracilis</i> Buller, 1869	grey teal	Least Concern
<i>Anthornis melanura melanura</i> Sparrman, 1786	bellbird / kōparapara	<i>Anthornis melanura</i> (Sparrman, 1786)	New Zealand bellbird	Least Concern
<i>Anthus novaeseelandiae novaeseelandiae</i> Gmelin, 1789	New Zealand pipit / pīhoihoi	<i>Anthus novaeseelandiae</i> Gmelin, 1789	Australasian Pipit	Least Concern

Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Aythya novaeseelandiae</i> (Gmelin, 1789)	New Zealand scaup / pāpango	<i>Aythya novaeseelandiae</i> (Gmelin, 1789)	New Zealand scaup	Least Concern
<i>Chrysococcyx lucidus lucidus</i> Gmelin, 1788	shining cuckoo / pipīwharau	<i>Chrysococcyx lucidus</i> (Gmelin, 1788)	shining bronze-cuckoo	Least Concern
<i>Circus approximans</i> Peale, 1848	Australasian harrier / kāhu	<i>Circus approximans</i> Peale, 1848	swamp harrier	Least Concern
<i>Cygnus atratus</i> (Latham, 1790)	black swan / kakiānau	<i>Cygnus atratus</i> (Latham, 1790)	black swan	Least Concern
<i>Egretta novaehollandiae</i> (Latham, 1790)	white-faced heron / kakiānau	<i>Egretta novaehollandiae</i> (Latham, 1790)	white-faced heron	Least Concern
<i>Eudyptula novaehollandiae</i> (Stephens, 1826)	Australian little penguin / kororā*	<i>Eudyptula minor</i> J.R. Forster, 1781	little penguin	Least Concern
<i>Gerygone igata</i> (Quoy & Gaimard, 1830)	grey warbler / riroriro	<i>Gerygone igata</i> (Quoy & Gaimard, 1830)	grey gerygone	Least Concern
<i>Hemiphaga novaeseelandiae</i> Gmelin, 1789	kererū / New Zealand pigeon	<i>Hemiphaga novaeseelandiae</i> (Gmelin, 1789)	New Zealand pigeon	Least Concern
<i>Himantopus himantopus leucocephalus</i> Gould, 1837	pied stilt / poaka	<i>Himantopus himantopus</i> (Linnaeus, 1758)	black-winged stilt	Least Concern
<i>Hirundo neoxena neoxena</i> Gould, 1842	welcome swallow / warou	<i>Hirundo neoxena</i> Gould, 1842	welcome swallow	Least Concern
<i>Larus dominicanus dominicanus</i> Lichtenstein, 1823	southern black-backed gull / karoro	<i>Larus dominicanus</i> Lichtenstein, 1823	kelp gull	Least Concern
<i>Petroica macrocephala macrocephala</i> Gmelin, 1789	South Island tomtit / ngirungiru	<i>Petroica macrocephala</i> (Gmelin, 1789)	New Zealand tomtit	Least Concern
<i>Porphyrio melanotus melanotus</i> Temminck, 1820	pukeko	<i>Porphyrio porphyrio</i> (Linnaeus, 1758)	purple swamphen	Least Concern
<i>Prosthemadera novaeseelandiae novaeseelandiae</i> (Gmelin, 1788)	tūī	<i>Prosthemadera novaeseelandiae</i> (Gmelin, 1788)	tui	Least Concern
<i>Rhipidura fuliginosa fuliginosa</i> (Sparrman, 1787)	South Island fantail / piwakawaka	<i>Rhipidura fuliginosa</i> (Sparrman, 1787)	New Zealand fantail	Least Concern

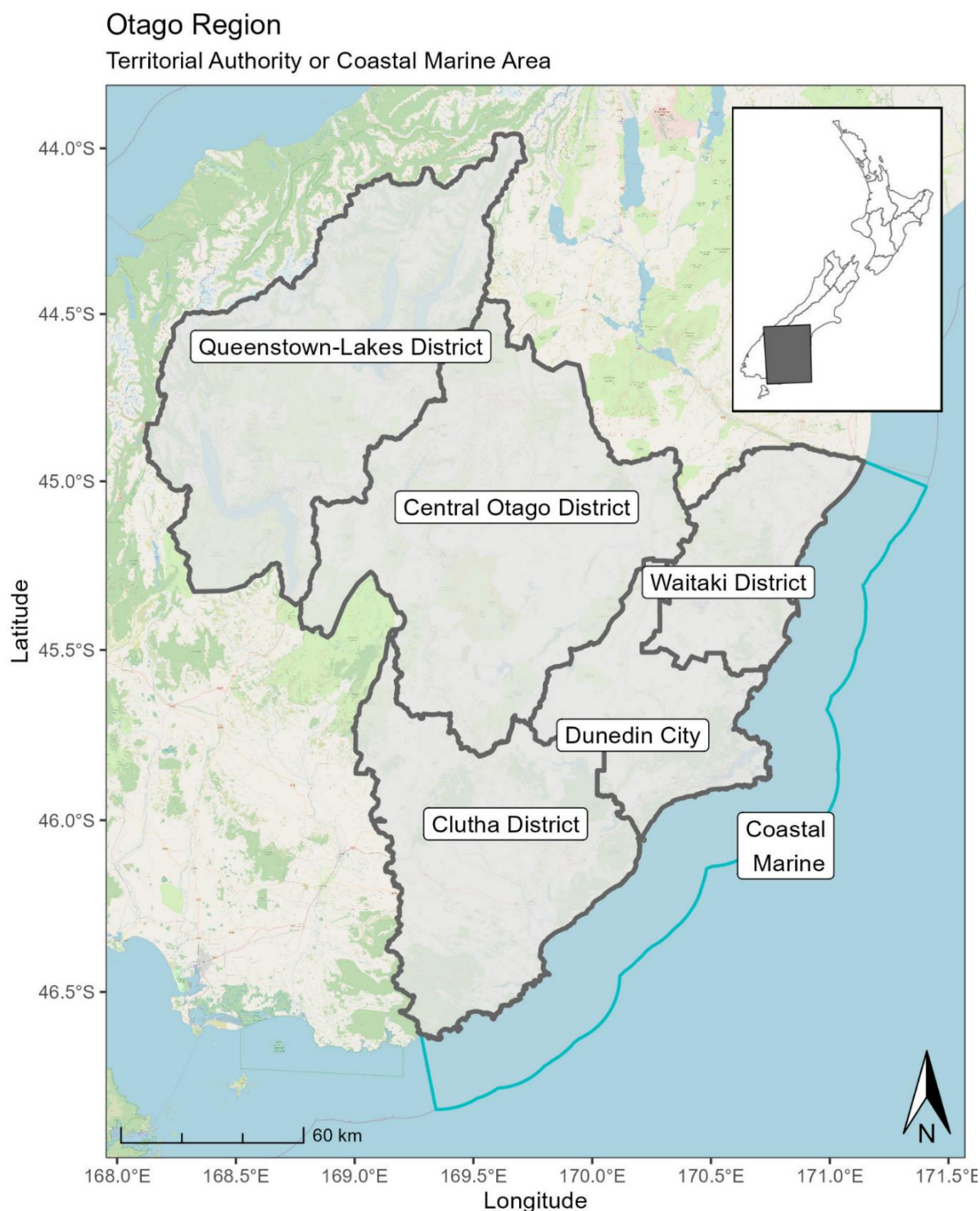
Continued on next page

Conservation status of birds in Otago

Name differences and IUCN status continued

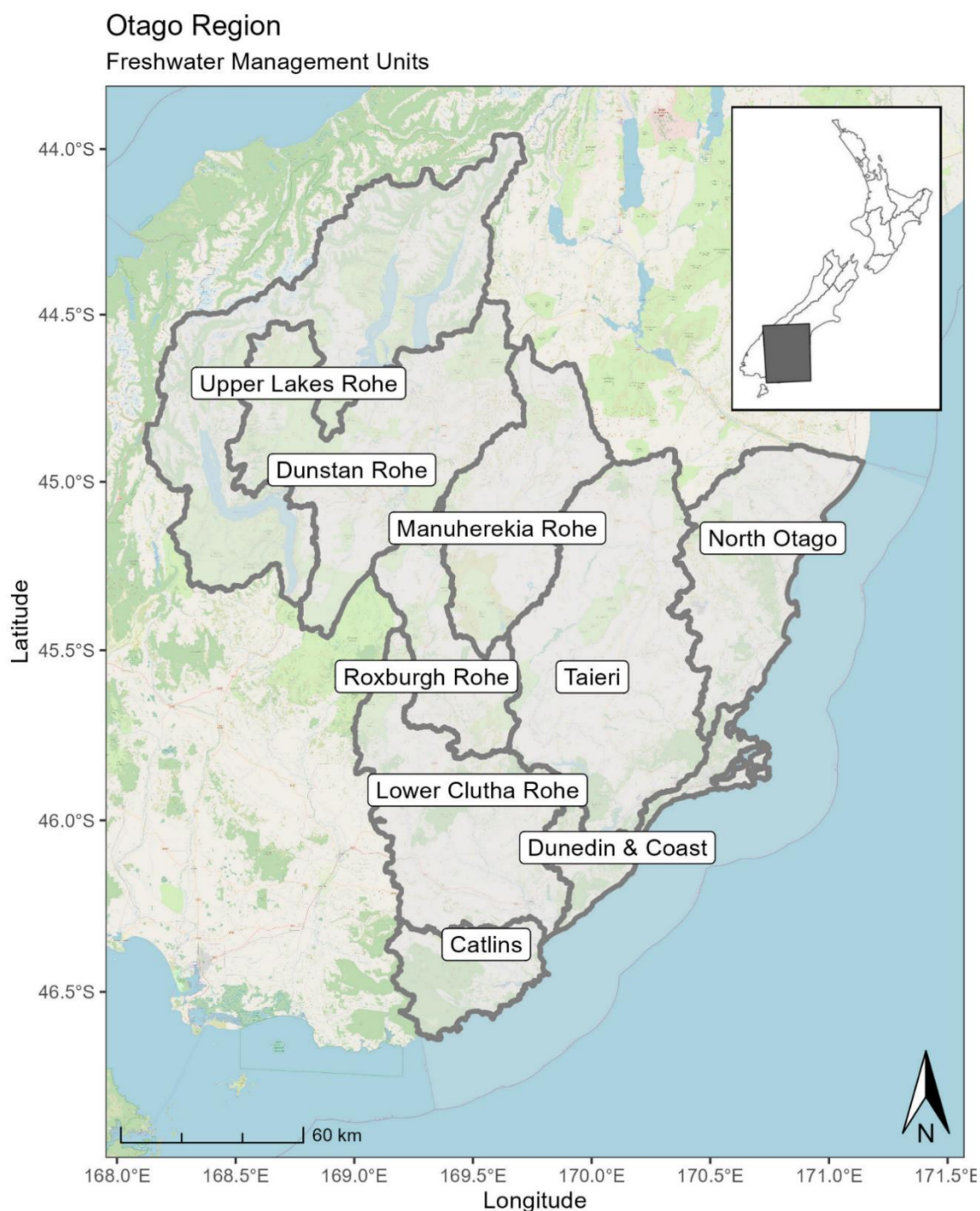
Name and Authority in this Report	Common Name and Māori Name in this Report	IUCN Name and Authority	IUCN Common Name	IUCN Status
<i>Spatula rhynchotis</i> (Latham, 1802)	Australasian shoveler / kuruwhengi	<i>Spatula rhynchotis</i> (Latham, 1801)	Australasian Shoveler	Least Concern
<i>Tadorna variegata</i> (Gmelin, 1789)	paradise shelduck / pūtakitaki	<i>Tadorna variegata</i> (Gmelin, 1789)	paradise shelduck	Least Concern
<i>Todiramphus sanctus vagans</i> (Lesson, 1828)	New Zealand kingfisher / kōtare	<i>Todiramphus sanctus</i> (Vigors & Horsfeld, 1827)	sacred kingfisher	Least Concern
<i>Vanellus miles novaehollandiae</i> Stephens, 1819	spur-winged plover	<i>Vanellus spinosus</i> (Linnaeus, 1758)	spur-winged lapwing	Least Concern

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.



Appendix 7: Map of Territorial Authorities or Coastal Marine Area in the Otago Region.

Otago has five Territorial Authorities, including Central Otago District, Clutha District, Dunedin City, Queenstown Lakes District and Waitaki District (Otago part only). The Coastal Marine Area extends from mean high-water springs out to the 12 nautical mile (22.2 kilometre) limit of the territorial sea, from the Waitaki River in the north to Wallace Beach in the south. See Appendix 8 for map of Freshwater Management Units in Otago.



Appendix 8: Map of Freshwater Management Units in the Otago Region.

Otago has been divided into five Freshwater Management Units (FMUs), including the Clutha Mata-au, Catlins, Dunedin & Coast, North Otago and Taieri/Taiari. The Clutha Mata-au FMU has been further subdivided into five rohe (areas), including the Upper Lakes, Dunstan, Manuherekia, Roxburgh and Lower Clutha. See Appendix 7 for map of Territorial Authorities or Coastal Marine Area in Otago.

Appendix 9: Bird species that are Regional Endemics or have National Strongholds in the Otago Region

Name and Authority	Common Name	Māori Name from National Conservation Status	Regional Endemic / National Stronghold
<i>Eudyptula novaehollandiae</i> (Stephens, 1826)	Australian little penguin	kororā*	National Stronghold
<i>Falco novaeseelandiae novaeseelandiae</i> (Gmelin 1788)	eastern falcon	kārearea	National Stronghold
<i>Haematopus finschi</i> Martens, 1897	South Island pied oystercatcher	tōrea	National Stronghold
<i>Larus novaehollandiae scopulinus</i> J. R. Forster, 1843	red-billed gull	tarāpunga	National Stronghold
<i>Leucocarbo chalconotus</i> G.R. Gray, 1845	Otago shag	matapo	Regional Endemic / National Stronghold
<i>Mohoua ochrocephala</i> (Gmelin, 1789)	mohua / yellowhead	mohua	National Stronghold
<i>Podiceps cristatus australis</i> Gould, 1844	Australasian crested grebe	pūteketeke	National Stronghold
<i>Xenicus gilviventris rineyi</i> Falla, 1953	southern rock wren	piwauwau*	National Stronghold

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Appendix 10: Bird species with type localities in the Otago Region

Name and Authority	Common Name	Māori Name from National Conservation Status	Locations
EXTANT			
<i>Eudyptes pachyrhynchus</i> G.R. Gray, 1845	Fiordland crested penguin	tawaki	Waikouaiti
<i>Leucocarbo chalconotus</i> G.R. Gray, 1845	Otago shag	matapo	Ōamaru
<i>Podiceps cristatus australis</i> Gould, 1844	Australasian crested grebe	pūteketeke	Lake Wakatipu / Whakatipu Waimāori
<i>Pachyptila turtur</i> (Kuhl, 1820)	fairy prion	tītī wainui	Accession number: LB11856
EXTINCT			
<i>Aptornis defossor</i> Owen, 1871	South Island adzebill	ngutu hahau*	Ōamaru
<i>Biziura delautouri</i> Forbes, 1892	New Zealand musk duck		Enfield Swamp
<i>Chenonetta finschi</i> (Van Beneden, 1875)	Finsch's duck	manutahora*	Earnsclough Cave
<i>Dinornis robustus</i> Owen, 1846	South Island giant moa	moa nunui	Waikouaiti
<i>Emeus crassus</i> Owen, 1846	eastern moa	moa mōmona	Waikouaiti
<i>Ixobrychus novaezelandiae</i> (Purdie, 1871)	New Zealand little bittern	kaoriki	Lake Wakatipu / Whakatipu Waimāori
<i>Megalapteryx didinus</i> Owen 1883	upland moa	moa pukepuke	Tāhuna / Queenstown
<i>Pachyornis elephantopus</i> (Owen, 1856)	heavy-footed moa	moa waewae taumaha	Awamoa
<i>Sceloglaux albifacies albifacies</i> G.R. Gray, 1844	South Island laughing owl	whēkau*	Waikouaiti

*Most common Māori name used in the *Notornis* scientific journal as cited in Checklist Committee (2022). Alternatives name provided in Appendix 3 of the Checklist.

Appendix 11: Introduced, Not Established bird species by Territorial Authority and Coastal Marine Area in the Otago Region

The Coastal Marine Area extends from mean high-water springs out to the 12 nautical mile (22.2 kilometre) limit of the territorial sea, from the Waitaki River in the north to Wallace Beach in the south. *B* indicates a taxon has been observed breeding in a territorial authority over the last 20 years; *SB* indicates a taxon is suspected to breed in a territorial authority; *P* indicates a taxon was observed to be present in a territorial authority or the Coastal Marine Area; *SP* indicates a taxon is suspected to be present in a territorial authority or the Coastal Marine Area. The Māori name is from the National Conservation Status, except when from Checklist of the Birds of New Zealand as indicated by an asterisk (*)

Name and Authority	Common Name and Māori Name from the National Assessment	Central Otago District Council	Clutha District Council	Dunedin City Council	Queenstown Lakes District Council	Waitaki District Council (Otago part only)	Coastal Marine Area
<i>Cairina moschata</i> (Linnaeus, 1758)	muscovy duck	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>
<i>Cereopsis novaehollandiae</i> Latham, 1801	Cape Barren goose	<i>P</i>			<i>SB</i>		
<i>Chrysolophus pictus</i> (Linnaeus, 1758)	golden pheasant					<i>P</i>	
<i>Cygnus olor</i> (Gmelin, 1789)	mute swan / wāna		<i>P</i>	<i>P</i>			
<i>Eolophus roseicapillus</i> (Vieillot, 1817)	galah		<i>P</i>				
<i>Gallus gallus gallus</i> (Linnaeus, 1758)	feral chicken		<i>P</i>	<i>B</i>			
<i>Numida meleagris</i> Linnaeus, 1758	helmeted guineafowl				<i>SP</i>	<i>SP</i>	
<i>Nymphicus hollandicus</i> (Kerr, 1792)	cockatiel			<i>P</i>			
<i>Pavo cristatus</i> Linnaeus, 1758	peafowl / pīkao	<i>SB</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	
<i>Streptopelia risoria</i> Linnaeus, 1758	Barbary dove			<i>P</i>			

Appendix 12: Introduced, Not Established bird species by Freshwater Management Unit or rohe in the Otago Region

Otago has been divided into five Freshwater Management Units (FMUs), including the Clutha Mata-au, Catlins, Dunedin & Coast, North Otago and Taieri/Taiari. The Clutha Mata-au FMU has been further subdivided into five rohe (areas), including the Upper Lakes, Dunstan, Manuherekia, Roxburgh and Lower Clutha. *B* indicates a taxon has been observed breeding in a FMU or rohe over the last 20 years; *SB* indicates a taxon is suspected to breed in a FMU or rohe; *P* indicates a taxon was observed to be present in a FMU or rohe; *SP* indicates a taxon is suspected to be present in a FMU or rohe. The Māori name is from the National Conservation Status, except when from Checklist of the Birds of New Zealand as indicated by an asterisk (*)

Name	Common Name and Māori Name from the National Assessment	Taieri FMU	North Otago FMU	Dunedin & Coast FMU	Catlins FMU	Clutha Mata-au FMU				
						Manuherekia Rohe	Roxburgh Rohe	Upper Lakes Rohe	Dunstan Rohe	Lower Clutha Rohe
<i>Cairina moschata</i> (Linnaeus, 1758)	muscovy duck	<i>SB</i>	<i>SB</i>	<i>B</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>SB</i>	<i>P</i>
<i>Cereopsis novaehollandiae</i> Latham, 1801	Cape Barren goose				<i>P</i>			<i>P</i>	<i>P</i>	
<i>Cygnus olor</i> (Gmelin, 1789)	mute swan / wāna	<i>P</i>	<i>P</i>	<i>P</i>						<i>P</i>
<i>Eolophus roseicapillus</i> (Vieillot, 1817)	galah				<i>P</i>					
<i>Gallus gallus gallus</i> (Linnaeus, 1758)	feral chicken			<i>SB</i>	<i>SB</i>					
<i>Numida meleagris</i> Linnaeus, 1758	helmeted guineafowl		<i>SP</i>					<i>SP</i>		
<i>Nymphicus hollandicus</i> (Kerr, 1792)	cockatiel			<i>P</i>						
<i>Pavo cristatus</i> Linnaeus, 1758	peafowl / pikao	<i>P</i>	<i>P</i>	<i>SB</i>	<i>SB</i>	<i>SB</i>	<i>P</i>	<i>SB</i>	<i>SB</i>	<i>P</i>
<i>Streptopelia risoria</i> Linnaeus, 1758	Barbary dove			<i>P</i>						



Find out more:

www.orc.govt.nz/environment/biodiversity/otago-regional-threat-assessments/

or visit:

www.orc.govt.nz/environment/biodiversity/



Otago
Regional
Council