



Department of Conservation
Te Papa Atawhai

29 July 2011

Otago Regional Council
Private Bag 1954
Dunedin 9054

Physical Address:
70 Stafford Street
Dunedin

Attention: Policy



Re: Submission on Proposed Plan Change 2 (Regionally Significant Wetlands)

Please find enclosed on behalf of the Director-General of Conservation the Submission in relation to Proposed Plan Change 2 (Regionally Significant Wetlands).

I would like to acknowledge the fine work done by Council to date on this proposed plan change, and the Director-General supports the general direction, while seeking some amendments to address certain issues.

I look forward to hearing from you in due course.

Kind regards,

Pene Williams
Conservancy Solicitor/*Pouwhakahaere ture*
DDI: (03) 474 6902 | Email: pwilliams@doc.govt.nz

DOCDM-793110

Department of Conservation *Te Papa Atawhai*
Otago Conservancy Office
P O Box 5244, Moray Place, Dunedin 9058, New Zealand
www.doc.govt.nz

Form 5
Submission on publicly notified proposal for policy statement or plan

Clause 6 of First Schedule, Resource Management Act 1991

**To: The Chief Executive
 Otago Regional Council
 Private Bag 1954
 DUNEDIN 9054**

Name of submitter: **The Director-General of Conservation**

This is a submission on the following proposed change to the following plan (the **Proposal**):

Proposed Plan Change 2 (Regionally Significant Wetlands) to the Regional Plan: Water for Otago

The specific provisions of the proposal that my submission relates to are:

As detailed in Attachment One

My submission is:

As detailed in Attachment One

I seek the following decision from the Otago Regional Council:

- a) That the Proposal be retained or amended as set out under the headings "Decision Sought" in Attachment One or to like effect; and
- b) That any other consequential amendments to the Plan required to explain or give effect to these changes be made.

I wish ~~(or do not wish)~~ to be heard in support of my submission.

* If others make a similar submission, I will consider presenting a joint case with them at a hearing.



Kenneth Murray Stewart
Community Relations Manager
Otago Conservancy
Department of Conservation

Pursuant to a delegation from the Director-General of Conservation

Date: 29 July 2011

(A signature is not required if you make your submission by electronic means.)

Address for service of submitter: PO Box 5244
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ATTACHMENT ONE

Proposed additions are shown in **bold double underline**; proposed deletions are shown in ~~double strikethrough~~.

CHAPTER 10- WETLANDS

1. 10.3.1 Objective

My submission is that:

The Director-General of Conservation (the Director-General) requests the following amendments be made to Objective 10.3.1 so that:

- a) The services provided by wetlands are clarified. These services include providing base flows for streams, especially during critical low flow periods and removing silt and nutrients from any water entering the wetland and purifying it before discharge downstream; and
- b) This objective gives effect to section 30(1) (c) (iiia) of the Resource Management Act 1991 (the RMA).
- c) This objective gives effect to the National Policy Statement for Freshwater Management 2011 (NPS for Freshwater Management 2011) in particular Objectives A1, A2, B1, B2, B4 and C1 and Policy C1.

Decision sought:

10.3.1 Otago's wetlands and their values and ecosystem services will be maintained ~~or~~ and enhanced for present and future generations.

2. Policies 10.4.1, 10.4.1A, 10.4.1B, 10.4.2, 10.4.2A. Policy 10.4.6 except 10.4.6 (b) and 10.4.6(e)

My submission is that:

The Director-General supports the amendments made to the above policies as they are consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f), and 7(g). These policies give strong guidance when considering activities within wetlands. By maintaining flows in streams whose source is partially or fully from wetlands these policies also protect the habitat of indigenous fish, of which a number of species are threatened with extinction.

The proposed amendments also give effect to the NPS for Freshwater Management 2011 in particular Objectives A1, A2, B1, B2, B4 and C1 and Policies A1 and C1.

Decision sought:

The above policies be retained with no amendments.

3. Policy 10.4.6 (b)

My submission is that:

The Director-General supports the amendments made to Policy 10.4.6(b) as monitoring of wetland condition is essential to ensure that the Otago Regional Council (the Council) is carrying out its functions under section 30(1)(c)(iiia) of the RMA.

Decision sought:

Policy 10.4.6 (b) be retained with no amendments.

4. Policy 10.4.6 (e)

My submission is that:

The Director-General considers this policy fails to give effect to the NPS for Freshwater management 2011, and in particular Objectives A1, A2, B1, B2, B4, C1 and Policy C1. Accordingly, the Director-General requests the following amendments be made to Policy 10.4.6(e) so that the values of and services provided by wetlands are clarified.

Decision Sought:

(e) Providing information on wetlands and their values ecosystem services.

CHAPTER 12- RULES: WATER TAKE, USE AND MANAGEMENT

5. Rules 12.1.1A.1, 12.1.1A.2, 12.1.1A.3, 12.1.2.4, 12.1.2.5, 12.1.2.6, 12.1.3.1.

My submission is that:

The Director-General supports the amendments made to the above rules as they are consistent with Part 2 of the Resource Management Act 1991 in particular section 5; section 6(a), 6(b), 6(c), and 6(e); and section 7(a), 7(aa), 7(c), 7(d), 7(f), and 7(g). By maintaining flows in streams whose source is partially or fully from wetlands these rules protect the habitat of indigenous fish. These rules also reflect Council functions under section 30 of the RMA.

The proposed amendments also give effect to the NPS for Freshwater Management 2011 in particular Objectives B1, B2, B4, and C1; and Policies B5 and C1.

Decision sought:

The above rules be retained with no amendments

6. Rule 12.1.4.8 and other rules that make reference to now repealed sections 93 and 94(1) of the RMA

My submission is that:

The Director-General notes that within Rule 12.1.4.8 and other provisions reference is made to the now repealed Sections 93 and 94(1) of the RMA.

Decision sought:

Amendments are made to the rules so that s95 of the RMA is referred to where appropriate.

7. Rules 12.2.1A.1, 12.2.1A.2, 12.2.2.5, 12.2.2.6, 12.2.2A.1, 12.2.3.1A, 12.2.3.2A, 12.2.3.4, 12.2.3.5, 12.2.4.1

My submission is that:

The Director-General supports the amendments made to the above rules as they are consistent with Part 2 of the RMA in particular section 5; section 6(a), 6(b), 6(c), and 6(e); and section 7(a), 7(aa), 7(c), 7(d), 7(f), and 7(g). By maintaining groundwater which may contribute to or benefit from wetlands these rules protect the habitat of indigenous fish. These rules also reflect Council functions under section 30 of the RMA.

The proposed amendments also give effect to the NPS for Freshwater Management 2011, in particular Objectives A1, A2, B1, B2, B4, and C1 and Policies A1, B5 and C1.

Decision sought:

The above rules be retained with no amendments

8. Rules 12.3.1A.1, 12.3.1A.2, 12.3.2.1, 12.3.2.2, 12.3.2.3, 12.3.3.1 and 12.3.4.1

My submission is that:

The Director-General supports the amendments made to the above rules as they are consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e); and section 7(a), 7(aa), 7(c), 7(d), 7 (f), and 7(g). By sustainably managing both the damming and diversion of water maintains wetlands and waterways that both flow both into and out of them, these rules thereby protect the habitat of indigenous fish. These rules also reflect Council functions under section 30 of the RMA.

The proposed amendments also give effect to the NPS for Freshwater Management 2011 in particular Objectives A1, A2, B1, B2, B4, and C1 and Policies A1, B5 and C1.

Decision sought:

The above rules be retained with no amendments.

9. Rules 12.4.1.1, 12.4.2.1., 12.5.1.1 and 12.5.2.1

My submission is that:

The Director-General supports the amendments made to the above rules as they are consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e); and section 7(a), 7(aa), 7(c), 7(d), 7 (f), and 7(g). By sustainably managing the discharge of both stormwater and drainage water to wetlands these rules protect the habitat of indigenous fish. These rules also reflect Council functions under section 30 of the RMA.

The proposed amendments also give effect to the NPS for Freshwater Management 2011 in particular Objectives A1, A2, B1, B2, B4, and C1 and Policies A1 and C1.

Decision sought:

The above rules be retained with no amendments.

10. Rule 12.7.1.1.

My submission is that:

The Director-General supports the amendments made to the above rule as it is consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e); and section 7(a), 7(aa), 7(c), 7(d), 7 (f), and 7(g).

Decision sought:

The above rule be retained with no amendments.

11. Rule 12.7.1.2

My submission is that:

The Director-General requests the following amendment to Rule 12.7.1.2 as the discharge of pesticide may damage selected indigenous fauna.

Decision sought:

(e) There is no change to the water level or hydrological function, or damage to the flora, indigenous fauna or its habitat, in or on any Regionally Significant Wetland.

12. Rule 12.7.1.3

My submission is that:

The Director-General requests the following amendment to Rule 12.7.1.3 as the discharge of herbicide may damage selected indigenous flora.

Decision sought:

(e) There is no change to the water level or hydrological function, or damage to the indigenous flora, fauna or its habitat, in or on any Regionally Significant Wetland.

13. Rule 12.7.1.4

My submission is that:

The Director-General requests the following amendment to Rule 12.7.1.4 as the discharge of pesticide may damage selected indigenous fauna.

Decision sought:

(e) There is no change to the water level or hydrological function, or damage to the flora, indigenous fauna or its habitat, in or on any Regionally Significant Wetland.

14. Rule 12.8.1.1

My submission is that:

The Director-General supports the amendments made to the above rule as it is consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e); and section 7(a), 7(aa), 7(c), 7(d), 7 (f), and 7(g).

The proposed amendments also give effect to the NPS for Freshwater Management 2011 in particular Objectives A1 and A2, and Policies A1 and C1.

Decision sought:

The above rule be retained with no amendments.

15. Rule 12.8.1.2

My submission is that:

The Director-General requests the following amendment to Rule 12.8.1.2 as the addition of such nutrients directly to Regionally Significant Wetlands is highly likely to adversely affect them and so should be subject to some restraints.

Such a change would also give effect to NPS for Freshwater Management 2011 in particular Objectives A1 and A2 and Policies A1 and C1.

Decision sought:

(c) The discharge occurs more than 50 metres from any surface water body, Regionally Significant Wetland, or mean high water springs:

16. Rule 12.8.1.3

The Director-General requests the following amendment to Rule 12.8.1.3 as the addition of such substances to Regionally Significant Wetlands is highly likely to adversely affect them and so should be subject to some restraints.

Such a change would also give effect to the NPS for Freshwater Management 2011 in particular Objectives A1 and A2 and Policies A1 and C1.

Decision sought:

(c) The discharge occurs more than 50 metres from any surface water body, Regionally Significant Wetland, or mean high water springs:

17. Rules 12.8.1.5 and 12.8.2.1

My submission is that:

The Director-General supports the amendments made to the above rule as it is consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e); and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g).

Decision sought:

The above rule shall be retained with no amendments.

18. Rules 12.9.1.1, 12.9.1.2, 12.10.1.1, 12.10.2.1, 12.11.2.1, 12.11.2.2 and 12.11.2.3

My submission is that:

The Director-General supports the amendments made to the above rules as they are consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e); and section 7(a), 7(aa), 7(c), 7(d), 7 (f), and 7(g). These rules protect wetlands from adverse effects from the discharges detailed in the said rules.

Decision sought:

The above rules shall be retained with no amendments.

CHAPTER 13 - RULES: LAND USE ON LAKE OR RIVER BEDS OR REGIONALLY SIGNIFICANT WETLANDS

19. Rule 13.2.1.1

My submission is that:

The Director-General requests the following amendment to Rule 13.2.1.1 as the current non-definition of pipes would allow the erection or placement of “pipes” such as tile drains which could be used to take water from a wetland.

Such a change would give effect to Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g).

Such a change would also give effect to the NPS for Freshwater Management 2011 in particular Objectives B1, B2 and B4 and Policies B5 and C1.

Decision sought:

The erection or placement of any fence, pipe (used solely for the carrying of domestic and/or stock water), line or cable over the bed.....

20. Rule 13.2.1.2

My submission is that:

The Director-General requests the following amendment to Rule 13.2.1.2 as the current non-definition of pipes would allow the erection or placement of “pipes” such as tile drains which could be used to take water from a wetland.

Such a change would give effect to Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g).

Such a change would also give effect to the NPS for Freshwater Management 2011 in particular Objectives B1, B2 and B4 and Policies B5 and C1.

Decision sought:

The erection or placement of any fence, pipe (used solely for the carrying of domestic and/or stock water), line or cable over the bed.....

21. Rules 13.2.1.4, 13.2.1.5, 13.2.1.6, 13.2.1.7, 13.2.1.8, 13.2.2.1 and 13.2.3.1.

My submission is that:

The Director-General supports the amendments made to the above rules as they are consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g). These rules deservingly give Regionally Significant Wetlands the same recognition as the regions’ rivers and lakes.

These rules also give effect to the NPS for Freshwater Management 2011 in particular Objectives B1, B2 and B4 and Policies B5 and C1.

Decision sought:

The above rules be retained with no amendments.

22. **Rules 13.3.1.1, 13.3.1.2, 13.3.2.1, 13.4.1.1, 13.4.2.1, 13.5.1.1, 13.5.1.3, 13.5.1.5A, 13.5.1.6, 13.5.1.8, 13.5.2.1, 13.5.3.2**

My submission is that:

The Director-General supports the amendments made to the above rules as they are consistent with Part 2 of RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g). These rules deservingly give Regionally Significant Wetlands the same recognition as the regions' rivers and lakes.

These rules also give effect to the NPS for Freshwater Management 2011 in particular Objectives B1, B2 and B4 and Policies B5 and C1.

Decision sought:

The above rules be retained with no amendments.

23. **Rule 13.6.1.1**

My submission is that:

The Director-General requests the following amendment to Rule 13.6.1.1 as the four species proposed to be included have the potential to adversely effect Regionally Significant Wetland and/or any regionally significant wetland values.

Such a change would also be consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g).

Such a change would also give effect to the NPS for Freshwater Management 2011 in particular Objectives A1, A2, B1, B2, B4 and C1 and Policies A1, B5 and C1.

Decision sought:

That the following amendments be made to Rule 13.6.1.1

13.6.1.1 The introduction of material of the following species:

- (i) Lagarosiphon *Lagarosiphon major*; or
- (ii) Eel Grass *Vallisneria spiralis*; or
- (xi) Glyceria species
- (xii) Alder (*Alnus*) species;
- (xiii) Crack willow;
- (xiv) Gray willow,

To the bed of any Otago Lake....

24. Rules 13.6.2.0 and 13.6.3.1

My submission is that:

The Director-General supports the amendments made to the above rules as they are consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g). These rules enable the maintenance and restoration of Regionally Significant Wetlands. These rules also reflect Council functions under section 30 of the RMA.

Decision sought:

The above rules be retained with no amendments.

25. Rule 13.7.1.2

My submission is that:

The Director-General requests the following amendment to Rule 13.7.1.2 so that the removal or clearance of plant material exotic to New Zealand can not be used as a pretext to damage Regional Significant Wetlands and/or any regionally significant wetland values.

Decision sought:

13.7.1.2 The removal or clearance of plant material exotic to....

(c) The wetland alteration is limited to that which is necessary, the use of best practice methods, for the removal or clearance of the plant material.

26. Rule 13.7.2.1

My submission is that:

The Director-General requests the following amendment to Rule 13.7.2.1 as he considers the four species proposed to be included in this list, as their potential to spread if physically removed inappropriately is at least equal to those species currently listed.

Such a change would also be consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g).

Such a change would also give effect to the NPS for Freshwater Management 2011 in particular Objectives A1, A2, B1, B2, B4 and C1 and Policies A1, B5 and C1.

Decision sought:

13.7.2.1 Except as provided for by Rules 13.7.1.1.....

- (i) Lagarosiphon *Lagarosiphon major*; or
- (ii) Eel Grass *Vallisneria spiralis*; or
- (xv) Glyceria species
- (xvi) Alder (*Alnus*) species;
- (xvii) Crack willow;
- (xviii) Gray willow.

from the bed of any lake or river, or from.....

27. Proposed New Rule 13.7.2.1A

My submission is that:

The Director-General requests that the following new Rule 13.7.2.1A be adopted in full and applied only to the proposed extensions to the Upper Taieri Wetlands Complex as contained and described (on maps 22, 23, 24, 25, 26, 27 and 28) in Appendix 2 of this submission and to the map describing the extent of the Ida Valley Kettle Holes as contained and described in Appendix 3 of this submission. These areas act as buffer zones for the Upper Taieri wetlands Complex. The Ida Valley Kettle Holes are also collectively significant. The Director-General considers that the Regionally Significant Wetland Values, as described below, of both these areas are not threatened by vegetation removal such as haying.

Upper Taieri Wetlands Complex Regionally Significant Wetland Values:

- A2 Critical habitat for the life cycles of indigenous fauna which are dependent on wetlands;
- A3 High diversity of habitat types;
- A5 Wetland scarce in Otago in terms of its ecological or physical character; and
- A8 Regionally significant habitat for waterfowl
- A9 Significant hydrological values including maintaining water quality or low flows, or reducing flood flows.

Ida Valley Kettle Holes Regionally Significant Wetland Values:

- A2 Critical habitat for the life cycles of indigenous fauna which are dependent on wetlands;
- A5 Wetland scarce in Otago in terms of its ecological or physical character; and

- A8 Regionally significant habitat for waterfowl

Decision sought:

13.7.2.1A Permitted activity: No resource consent required

13.7.2.1A The removal of vegetation by haying from both the proposed extensions to the Upper Taieri Wetlands Complex (as contained in Appendix 2) and the Ida Valley Kettle Holes (as contained in Appendix 3) is a permitted activity providing:

(a) The wetland alteration is limited to that necessary for the removal of hay material;

(b) All reasonable steps are taken to minimise the release of sediment to the wetland during haying and there is no conspicuous change in colour or visual clarity of the water body.

28. Rule 13.7.3.1

My submission is that:

The Director-General supports the amendments made to the above rule as it is consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g). The rule protects the crucial floral element of Regionally Significant Wetlands. This rule also reflects Council functions under section 30 of the RMA.

Decision sought:

The above rule be retained with no amendments.

SCHEDULE 9: SCHEDULE OF IDENTIFIED REGIONALLY SIGNIFICANT WETLANDS

29. The Schedule of Wetlands

My submission is that:

The Director-General supports both the inclusion and the extent (as shown on the F Series maps) of the following wetlands contained in Appendix 1 of this submission as this scheduling and mapping is consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g), and this provides protection of many Regionally Significant Wetlands. This schedule also reflects Council functions under section 30 of the RMA. Where the Director-General supports the inclusion of wetlands, but seeks that they be extended in terms of this submission, the wetlands have been underlined.

Decision sought:

That the inclusion and extent wetlands (as shown on the F Series maps) of the attached Appendix 1 be retained without amendment.

30. Additions to the Schedule of Wetlands

My submission is that:

The Director-General considers the wetlands shown on plans contained in Appendix 2 of this submission contain Regionally Significant Wetland values (some of which are noted for individual wetlands) and that this part of his submission is consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g), and provides protection of many Regionally Significant Wetlands. This Appendix also reflects Council functions under section 30 of the RMA.

Decision sought:

That these be both included in Schedule 9 and their extent (as shown on the plans contained in Appendix 2 of this submission) be shown on the respective F Series maps.

31. Remapping the Extent of the Schedule 9 Wetlands

My submission is that:

The Director-General considers the areas adjoining the wetlands shown on plans contained in Appendix 3 of this submission contain Regionally Significant Wetland values (some of which are noted for individual wetlands) and that this part of his submission is consistent with Part 2 of the RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g), and provides protection of many Regionally Significant Wetlands. This Appendix also reflects Council functions under section 30 of the RMA.

Decision sought:

That the extent of the relevant Schedule 9 wetlands (as shown on the respective F Series maps) be amended so that the areas shown on the plans contained in Appendix 3 of this submission are included as part of these Regionally Significant Wetlands.

SCHEDULE 10: SCHEDULE OF ADDITIONAL WETLANDS

32. Movement of Schedule 10 wetlands into Schedule 9

My submission is that:

The Director-General considers that the deleted Schedule 10 Wetlands Site Numbers 80 (Silver Peak Swamp) and 99 (Upper Waipahi River Swamp) do respectively contain regionally significant wetland values and that this part of his submission is consistent with Part 2 of RMA in particular section 5, section 6(a), 6(b), 6(c), and 6(e), and section 7(a), 7(aa), 7(c), 7(d), 7(f) and 7(g), and provides protection of many Regionally Significant Wetlands and the NPS for Freshwater Management 2011. This Appendix also reflects Council functions under section 30 of the RMA.

Decision sought:

That the areas shown on the plans in Appendix 4 of this submission, being the areas in the current Schedule 10 Wetlands Site Numbers 80 (Silver Peak Swamp) and 99 (Upper Waipahi River Swamp), be recognised in Schedule 9 as regionally significant wetlands.

GLOSSARY

33. Addition of definition of “Ecosystem Services”

My submission is that:

In his submissions on objective 10.3.1 and policy 10.4.6(e) the Director-General has sought amendments to better define the services provided by Regionally Significant Wetlands. Such service is commonly defined as “ecosystem services” but as this term is not widely used or understood the Director-General requests that it be defined in the Glossary.

Decision sought:

Ecosystem services: are the benefits that people can obtain from ecosystems. These include provisioning, regulating, supporting and cultural services.

APPENDIX 1

F Series Maps Index by Wetland Name: Regionally Significant Wetlands

<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>	<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>
Akatore Creek Swamp	F46	1	Clutha District	Finegand Lagoon Marsh	F42	43	Clutha District
All Day Bay Lagoon	F65	2	Waitaki District	Flat Top Hill Ephemeral Wetlands	F19	44	Central Otago District
Andersons Pond Margins	F56	3	Dunedin City	Fortification Creek Wetland Management Area	F31	45	Central Otago District
Aramoana Saltmarsh	F57	4	Dunedin City	Fortification Stream Headwaters Swamp	F56	46	Dunedin City
Belmont Inland Saline Wetland Management Area	F25	6	Central Otago District	Frasers Stream Headwaters Marsh Complex	F44	47	Clutha District
Bendigo Wetland	F18	7	Central Otago District	Galloway No 1 Inland Saline Wetland Complex	F14	48	Central Otago District
<u>Big Boggy Swamp</u>	<u>F1</u>	<u>8</u>	<u>Queenstown Lakes District</u>	Galloway No 2 Inland Saline Wetland Management Area	F14	49	Central Otago District
Black Rock Marshes	F68	9	Dunedin City and Waitaki District	Gilmour Road Marsh	F15	50	Central Otago District
Black Swamp	F33	10	Clutha District	Glendhu Swamp	F32	51	Clutha District
Blackcleugh Burn Swamp	F32	11	Clutha District	Glenorchy Lagoon Wetland	F9	52	Queenstown Lakes District
Blackmans Inland Saline Wetland Management Area	F14	12	Central Otago District	Glyn Wye Wetland Management Area	F55	53	Dunedin City
Blair Fen	F35	13	Clutha District	Governors Point Swamp	F47	54	Clutha District
Blair Swamp	F35	14	Clutha District	Great Moss Swamp	F29 & F30	55	Dunedin City
Boundary Creek Fen	F31	15	Central Otago District	Harrington Mill Road Swamp	F35	56	Clutha District
Braeside Swamp	F59	16	Dunedin City	Hawkdun Runs Road Marsh	F21	57	Central Otago District
Bungtown Bog	F51	17	Clutha District	Hawksbury Lagoon	F61	58	Dunedin City
Butterfield Wetland	F2	18	Queenstown Lakes District	Hazeldale Fens	F53	59	Clutha District
Cairn Road Bog	F39	172	Clutha District	Henley Swamp	F48	60	Dunedin City
Camp Stream Swamp	F44	19	Clutha District	Hoopers Inlet Swamp	F58	61	Dunedin City
Campbells Reserve Pond Margins	F3	20	Queenstown Lakes District	Hukihuki Swamp	F36	62	Clutha District
Cannibal Bay Road	F40	21	Clutha District	Hungerford Point	F36	63	Clutha District

Swamp

<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>
Catlins River Wetland	F37	22	Clutha District
Chapman Road Inland Saline Wetland	F18	23	Central Otago District
Cheetwood Road Wetlands	F42	24	Clutha District
Church Hill Wetland Complex	F7	25	Queenstown Lakes District
Clachanburn Marsh	F25	26	Central Otago District
Clifton Hill Marshes	F33	27	Clutha District
Clutha Matau Wetlands	F41	28	Clutha District
Clutha River Mouth Lagoon	F41	29	Clutha District
Conroys Dam Inland Saline Wetland Management Area	F18	30	Central Otago District
Conroys Road Inland Saline Wetland Complex	F18	31	Central Otago District
Cross Eden Creek Marsh Complex	F16	32	Central Otago District
Culcairn Oxbow Marsh	F42	33	Clutha District
Devils Bridge Wetland	F64	34	Waitaki District
Diamond Lake Wetland	F3	35	Queenstown Lakes District
<u>Dingle Lagoon</u>	<u>F1</u>	<u>36</u>	<u>Queenstown Lakes District</u>
Dunard Inland Saline Wetland Management Area	F13	37	Central Otago District
Dunvegan Fen Complex	F38	38	Clutha District
East Benhar Swamp	F43	39	Clutha District
Ellison Saltmarsh	F61	40	Dunedin City
False Islet Wetland Management Area	F40	41	Clutha District
Fernhill Marsh	F55	42	Dunedin City

Saltmarsh

<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>
Hut Creek Swamps	F21	64	Central Otago District
Island Block Pond Marshes	F17	65	Central Otago District
Jennings Creek Marsh	F57	66	Dunedin City
John O'Groats Hill Fen	F32	67	Clutha District
Kaikorai Lagoon Swamp	F62	68	Dunedin City
Kakaho Creek Swamp	F65	69	Waitaki District
Kemp Road Lagoon	F65	70	Waitaki District
Kinloch Wetland	F3	71	Queenstown Lakes District
Kirk Creek Headwaters Marsh Complex	F17	72	Central Otago District
Kirkwoods Creek Wetland Management Area	F16	73	Central Otago District
Kuriwao Saddle Fen Complex	F53	74	Clutha District
Lake Hayes Margins	F8	75	Queenstown Lakes District
Lake Reid Wetland	F3	76	Queenstown Lakes District
Lake Tuakitoto Wetland	F43	77	Clutha District
Lake Wilkie Swamp	F36	78	Clutha District
Lamb Hill Fen Complex	F57	79	Dunedin City
Laws Road Swamp	F13	80	Central Otago District
Lenz Reserve Wetlands	F36	81	Clutha District
Little Boggy Swamp	F5	82	Queenstown Lakes District
Little Stoney Bog	F4	83	Queenstown Lakes District
Loch Loudon Fen Complex	F50	84	Clutha District

<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>	<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	City / District
Loch Luella Fen Complex	F50 & F51	85	Clutha District	Rigney Pond Margins	F17	129	Central Otago District
Long Gully Marsh	F14	86	Central Otago District	Rockdale Inland Saline Wetland Management Area	F13	130	Central Otago District
Lower Coutts Gully Swamp	F46	87	Clutha District	Rocky Hill Tidal Marshes	F47	131	Clutha District
Lower Manorburn Dam Margins	F15	88	Central Otago District	Samson Hill Marshes	F35	132	Clutha District
Lower Otokia Creek Marsh	F58	89	Dunedin City	Scaifes Lagoon	F2	133	Queenstown Lakes District
Macfarlane Road Oxbow Swamp	F34	91	Clutha District	Schoolhouse Flat Red Tussock Fen	F20	134	Central Otago District
Maclennan River Podocarp Swamp Complex	F54	92	Clutha District	Shag Point Dam Margins	F64	135	Waitaki District
<u>Makarora Flat Swamp Complex</u>	<u>F1</u>	<u>93</u>	<u>Queenstown Lakes District</u>	Shag River Estuary Swamp	F64	136	Waitaki District
Malones Dam Margins	F32	94	Clutha District	Shotover River Confluence Swamp	F5	137	Queenstown Lakes District
Marana Swamp	F34	95	Clutha District	Signal Hill Swamp	F5	138	Queenstown Lakes District
Matakauri Wetland	F4	96	Queenstown Lakes District	Stirling Marsh Complex	F43	139	Clutha District
Matukituki Bluff Ephemeral Wetland Management Area	F2	97	Queenstown Lakes District	Stuarts Marsh	F54	140	Clutha District

<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>	<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>
Matukituki Valley Wetland Management Area	F6	98	Queenstown Lakes District	Styx Ephemeral Wetland Management Area	F15	141	Central Otago District
Maungatua Summit Wetland Management Area	F63	99	Dunedin City	Sutton Salt Lake Wetland Management Area	F60	142	Dunedin City
McGregor Swamp	F61	100	Dunedin City	Swampy Summit Swamp	F57	143	Dunedin City
McKays Triangle Wetland	F58	101	Dunedin City	Tahakopa Bay Podocarp Swamp	F54	144	Clutha District
McLachlan Road Marsh	F61	102	Dunedin City	Tahakopa Marsh Complex	F40	145	Clutha District
Measly Beach Wetland Complex	F45	103	Clutha District	Tahakopa River Bogs	F54	146	Clutha District
Middle Swamp	F31	104	Central Otago District	Takitoa Swamp	F47	147	Dunedin City
Minaret Bay Swamp	F1	105	Queenstown Lakes District	Tautuku River Mouth Marsh	F36	148	Clutha District
Moa Creek Inland Saline Wetland	F14	106	Central Otago District	Te Hua Taki Wetland	F66	171	Waitaki District
Moke Creek Swamp	F4	107	Queenstown Lakes District	Te Matai Marsh Complex	F68	149	Dunedin City
Moke Lake Bog	F4	108	Queenstown Lakes District	The Neck Wetlands	F2	150	Queenstown Lakes District
Molyneux Bay Swamp	F41	109	Clutha District	Three Stones Fen Complex	F53	151	Clutha District
Mount Nicholas Lagoon	F8	110	Queenstown Lakes District	Timber Creek Seepage	F13	152	Central Otago District
Murrays Road Inland Saline Wetland Management Area	F55	111	Dunedin City	Tokomairiro River Swamp	F52	153	Clutha District

<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>	<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>
Nenthorn Ridge Wetland Management Area	F64	112	Waitaki District	Tomahawk Lagoon	F58	154	Dunedin City
Nevis Red Tussock Fen	F20	113	Central Otago District	Totara Creek Inland Saline Wetland	F25	155	Central Otago District
Office Creek Seepage	F63	114	Dunedin City	Trig Q Ephemeral Pool	F55	156	Dunedin City
Okia Flat Wetland Management Area	F68	115	Dunedin City	Trig Y Bogs	F34	157	Clutha District
Old Dunstan Road Swamp	F56	116	Dunedin City	Two Stone Hill Stream Swamp	F44	158	Clutha District
Otanomomo Tuatiki Reserve	F37	117	Clutha District	Upper Black Stream Marshes	F15	159	Central Otago District
Otokia Swamp	F59	118	Dunedin City	Upper Tahakopa Swamps	F35	160	Clutha District
Paddys Rock Ephemeral Tarn	F64	119	Waitaki District	<u>Upper Taieri Wetlands Complex</u>	<u>F22 to F28</u>	<u>161</u>	<u>Central Otago District</u>
Papanui Inlet Saltmarsh	F59	120	Dunedin City	Upper Waiareka Creek Swamp	F66	162	Waitaki District
Patearoa Inland Saline Wetland	F25	121	Central Otago District	Von Valley Wetland Complex	F11 & F12	163	Queenstown Lakes District
Peat Moss Hills Fen Complex	F60	122	Dunedin City	Waianakarua River Estuary Swamp	F65	164	Waitaki District
Pleasant River Estuary Wetland Complex	F67	123	Dunedin City and Waitaki District	Waikouaiti River Estuary Wetland Complex	F61	165	Dunedin City
Pomahaka River Oxbow Marsh (Dalvey School Road)	F33	124	Clutha District	Waipori Boot Swamp	F48 & F49	166	Dunedin City
Pomahaka River Oxbow Marsh (Koi Creek)	F33	125	Clutha District	Waipori/Waihola Wetland Complex	F48 & F49	167	Clutha District

<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>	<u>Wetland Name</u>	<u>Map</u>	<u>Index #</u>	<u>City / District</u>
Ratanui Swamp	F37	126	Clutha District	Wairepo Creek Marsh Complex	F38	168	Clutha District
Red Bank Wetland Management Area	F67	127	Waitaki District	Whareakeake Marsh	F57	169	Dunedin City
Reefs Pond Margins	F56	128	Dunedin City	Willowburn Bog	F34	170	Clutha District