



A vegetation tool for wetland delineation in New Zealand



Landcare Research
Manaaki Whenua

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Summary

Project and Client

- Meridian Energy contracted Landcare Research to provide a vegetation-based tool to assist in the identification and delineation of wetlands in New Zealand.
- The USA has developed a robust wetland delineation system for regulatory purposes comprising three criteria: vegetation, soils, and hydrology. This project trials and adapts the USA vegetation criterion to New Zealand wetland ecosystems.

Objectives

- Develop a vegetation-based tool to delineate wetlands in New Zealand based on the USA wetland delineation approach.

Methods

- Classify New Zealand wetland species according to fidelity to wetland (wetland indicator status rating): obligate wetland (OBL: occurs almost always in wetlands), facultative wetland (FACW: occurs usually in wetlands), facultative (FAC: equally likely in wetlands or non-wetlands), facultative upland (FACU: usually in non-wetlands) or obligate upland (UPL: almost always in non-wetlands).
- Integrate species abundance and wetland indicator status ratings to set decision rules in relation to meeting the hydrophytic vegetation (wetland) threshold at a site.

Results

- A species list was produced comprising the wetland indicator status ratings of more than 900 native and exotic species found in New Zealand wetlands.
- Protocols and field sheets for assessing New Zealand vegetation at putative wetland sites were adapted from the USA wetland delineation system.

Conclusions

- The vegetation criterion is a useful tool for delineating wetlands at most sites. Caution should be exercised, however, for delineation of sites where vegetation cover is sparse (e.g. mudflat), where plant communities have been disturbed (e.g. sites destroyed by fire), or where there are strong elements of FAC species (e.g. pakihi, gumland). In these cases, additional assessments of soils and hydrology may be required.

Recommendations

- The vegetation criterion approach should be expanded to incorporate all three USA environmental criteria – vegetation, soils, and hydrology – to provide a standardised wetland delineation system for the full range of wetlands in New Zealand.

1 Introduction

The Resource Management Act defines wetlands as including “*permanently or intermittently wet areas, shallow water, and land water margins that support a natural ecosystem of plants and animals that are adapted to wet conditions*”. This broad definition has proved difficult to apply consistently in the field. The inability to define precisely whether a site fits this definition of a wetland or where the boundary of a wetland starts and finishes has led to confusion by regulatory authorities, landowners, and the public alike. Having a national assessment tool to delineate wetlands will provide greater certainty for stakeholders, plans and policies, resource consents, council hearings, and in the Environment Court.

Meridian Energy contracted Landcare Research to provide the first step in developing a wetland delineation system to help define wetlands on the ground. This project aims to provide a vegetation-based tool to assist councils, wetland landowners, managers and other stakeholders in identifying and delineating wetland areas.

2 Background

The United States of America has developed a scientifically robust wetland delineation system that is applied widely and could be adapted for New Zealand wetlands. In USA three diagnostic environmental characteristics or criteria are used for wetland delineation: vegetation, soils and hydrology. Under USA legislation (section 404 Clean Water Act and regulations promulgated therefrom), all three criteria are required to classify a site as a wetland.

However, several organisations in USA use two out of the three, or even one out of the three criteria to delineate wetlands. For example, the federal agency, U.S. Fish and Wildlife Service defines wetlands as: “*lands that are transitional between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water, and that have one or more of the following attributes:*

1. *At least periodically, the land supports predominantly hydrophytes;*
2. *the substrate is predominantly undrained hydric soil; and,*
3. *the substrate is non-soil and is saturated with water or covered by shallow water at some time during the growing season of each year”* (Cowardin et al. 1979).

In New Zealand, the use of simple guidelines and criteria for wetland delineation, similar to those used in the USA, would be extremely useful.

Apart from a few habitats acknowledged as wetlands where vegetation is sparse or absent (e.g. some ephemeral habitats, mudflats) or where the vegetation has been severely disturbed (e.g. after a fire or in cut-over peat bogs), an important first step for delineating New Zealand wetlands would be categorisation of wetland plant species according to their fidelity to wetland.

Hydrophytes (aquatic and wetland plants) are defined as plants capable of growing in soils that are often or constantly saturated with water during the growing season (Lewis 2001). The hydrophyte categories (Lichvar 2012) are obligate wetland (OBL: occurs almost always in wetlands), facultative wetland (FACW: occurs usually in wetlands), facultative (FAC: equally likely to occur in wetlands or non-wetlands), or facultative upland (FACU: usually occurs in non wetlands/ drylands; here 'upland' does not refer to elevation). Obligate upland species (UPL) are not hydrophytes because they almost always occur in non-wetlands, e.g. well-drained sites. These categories are known as wetland indicator status ratings.

The next step would involve setting some decision rules regarding species abundance in relation to meeting the wetland threshold. For example in USA, if more than 50% of the dominant species in a plant community are OBL, FACW or FAC the site is considered to have hydrophytic vegetation characteristic of a wetland (Environmental Laboratory 1987).

This project trials the latest approach, which incorporates updates (e.g. USACE 2008 and 2010) to the US Army Corps of Engineers system outlined in the 1987 manual, courtesy of the Wetland Training Institute training course, San Diego, 2012, attended by the author <http://www.wetlandtraining.com/course/category.php?id=9>

Other environmental criteria (i.e. soils, hydrology) would be needed to assess sites that are naturally depauperate in species (e.g., mudflat), where natural plant communities have been disturbed (e.g. cut-over peat bogs, sites destroyed by fire or natural disaster), or where there is a mixed group of dominants with strong elements of FAC species (e.g. pakihi and gumland).

3 Objectives

To develop a national assessment vegetation tool to delineate wetlands based on plant species presence, abundance, and wetland indicator status ratings by:

- compiling a list of native and non-native plant species that occur in New Zealand wetlands
- classifying the species according to the degree of affinity for wet habitats (wetland indicator status rating): obligate wetland (OBL), facultative wetland (FACW), facultative (FAC), facultative upland (FACU) or obligate upland (UPL)
- integrating species abundance and wetland indicator species ratings to set decision rules in relation to meeting the wetland threshold for delineation of wetlands and testing the USA approach for hydrophytic vegetation in NZ wetlands

4 Methods

A list of native and non-native plant species that occur in New Zealand wetlands was compiled based on Johnson and Brooke (1998) and additional sources. This was sent to a team of wetland plant ecologists (listed below) to classify the species according to their typical wetland habitat following the USA system (Environmental Laboratory 1987; Reed 1988; Lichvar 2012):

- OBL: Obligate. Almost always is a hydrophyte, rarely in uplands (estimated probability >99% occurrence in wetlands)
- FACW: Facultative Wetland. Usually is a hydrophyte but occasionally found in uplands (estimated probability 67–99% occurrence in wetlands)
- FAC: Facultative. Commonly occurs as either a hydrophyte or non-hydrophyte (estimated probability 34–66% occurrence in wetlands)
- FACU: Facultative Upland. Occasionally is a hydrophyte but usually occurs in uplands (estimated probability 1–33% occurrence in wetlands)
- UPL: Obligate Upland. Rarely is a hydrophyte, almost always in uplands (estimated probability <1% occurrence in wetlands)

The lists were collated and analysed for consensus of classifications. Where consensus was not reached, the classifications were assessed at a workshop held on 17 September 2012, at Landcare Research, Hamilton, to produce a national list of wetland indicator status ratings. Workshop participants were: Kerry Bodmin NIWA, Paul Champion NIWA, Bev Clarkson Landcare Research, Philippe Gerbeaux DOC, Peter Johnson (Research Associate, Landcare Research), Brian Rance DOC, Paula Reeves Wildlands Consultants, Lisa Forrester Northland Regional Council, Lucy Bridgeman Landcare Research (scribe), and Dave Palmer Landcare Research (Soils).

The USA methods for determining if vegetation in a plant community is hydrophytic, i.e. the Dominance Test or Ratio or (DT or DR: based on wetland affinity of dominant species) and the Prevalence Index (PI: weighted average that reflects wetland affinity of full species complement) were trialled by workshop participants in plots along a wetland-upland gradient from lake edge to pasture at Lake Serpentine (Fig. 1), south of Hamilton. This incorporates species abundance measures with the wetland indicator status ratings of the species present within plots.



Figure 1 Lake Serpentine plot locations (pink) along wet-dry gradient for testing for hydrophytic vegetation.

5 Results

5.1 Plant Classification

A checklist of 979 vascular species classified according to their wetland indicator status ratings was developed according to typical habitat (Appendix 9). This will be periodically updated, similar to the process with the USA national and regional lists, as information becomes available.

The list can be referenced as: Clarkson BR, Champion PD, Rance BD, Johnson PN, Bodmin KA, Forester L, Gerbeaux P, Reeves PN 2013. Wetland indicator status ratings for New Zealand species. Landcare Research, Hamilton
http://www.landcareresearch.co.nz/data/assets/pdf_file/0014/64400/wetland_rating_species_December_2013.pdf.

5.2 Vegetation Assessment protocol

The wetland delineation protocol follows the USA Wetland Training Institute (WTI) lecture notes (Wetland Training Institute 2012), which is based on the Corps of Engineers manual (Environmental Laboratory 1987) and Regional Supplements¹.

Sampling protocol

The Routine Method for wetland delineation is as follows:

1. Determine project area
2. Decide whether 'normal' circumstances are present. The Routine Method should not be applied for atypical situations, e.g. abnormal environmental conditions (drought, flood) or recent disturbances (landslides), or wetlands that have been filled, drained or cleared. In these situations use the Comprehensive Method as outlined in the 1987 Corps manual.
3. Identify and map the major vegetation types in the project area.
4. For areas ≤ 2 ha, establish a representative plot in each major vegetation type (Fig. 2).
5. For areas > 2 ha, establish representative plots along transects running perpendicular to the suspected wetland boundary (Fig. 3). At least one plot for each vegetation type should be sampled and therefore located on at least one transect. The suggested minimum number of transects ranges from 3 for wetlands up to 1.5 km in length, to 8+ in wetlands longer than 6.5 km long (Wetland Training Institute 2012).

¹ The WTI course held at San Diego, CA, and taught by Charlie Newling and Jim Teaford, was attended by the author on 6–10 August 2012.

6. Sample the plot using the Dominance Test and Prevalence Index (see below).
7. Refine the wetland boundary on the ground, by using visual clues such as changes in topography (e.g. flat – hillslope interface), vegetation or soils, and/or establish paired sample plots (wetland/upland) located close enough to either side of the wetland boundary to substantiate boundary location.

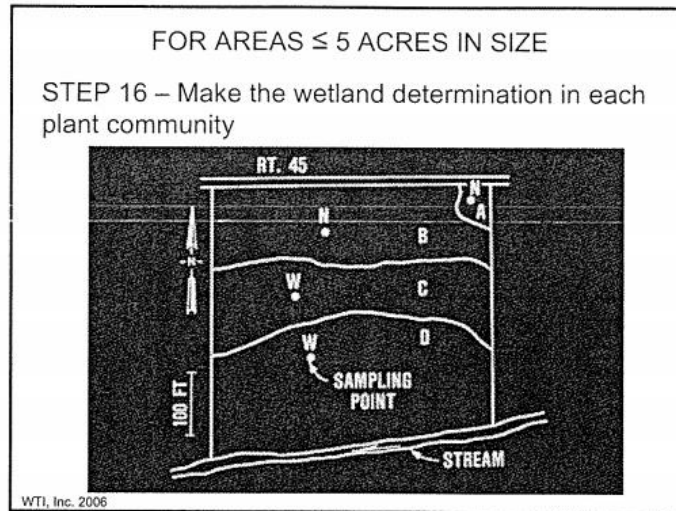


Figure 2 Wetland determination in areas \leq 2 ha. A,B,C,D = vegetation types; W = wetland, N= non-wetland. From: Wetland Training Institute (2012).

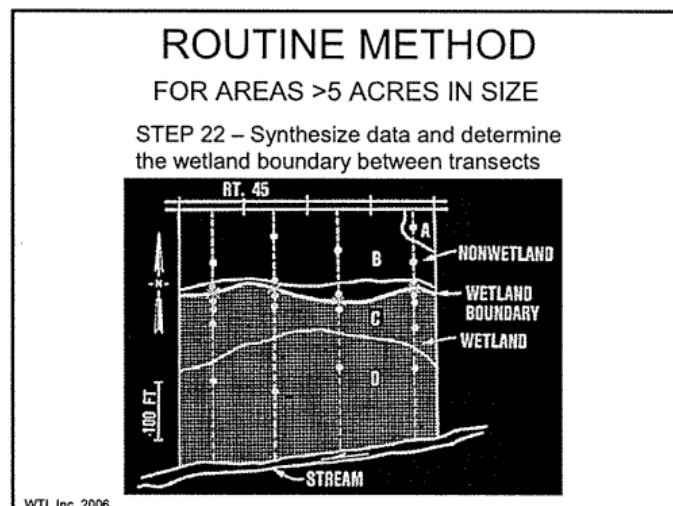


Figure 3 Wetland determination in areas $>$ 2 ha. A,B,C,D = vegetation types. From: Wetland Training Institute (2012).

Vegetation Sampling

There are several sampling protocols with slightly different approaches for different biogeographic regions in USA. The following approach, which was tested at Lake Serpentine, is adapted from a WTI course and lecture notes presented in San Diego, August 2012 (Wetland Training Institute 2012).

Table 1. Summary of plot strata

Stratum	Description	Plot size	Notes
Tree	Woody plant with dbh ≥ 10 cm	Circular plot 10 m radius	
Sapling/Shrub	Woody plant with dbh < 10 cm	Circular plot 5 m radius	All woody plants regardless of height. Includes woody climbers, blackberry
Herb	All non-woody plants	2m \times 2m quadrat	All herbaceous plants regardless of height. Includes herbaceous climbers

Establish a representative plot of 2 m \times 2 m for the Herb stratum. The circular plots are anchored at the centre of the 2 m \times 2 m quadrat using a 5-m or 10-m tape measure or length of rope; the other end circumscribes the plot. The sample plot must be located within the same plant community. Note that the shapes of the plots listed in Table 1 (circle, square) are used if convenient in the field. If the sample plot extends into a different plant community, the shape of the plot must be altered to ensure it remains in a single plant community (CJ Newling, Wetland Training Institute, Briggsville, WI, USA, pers. comm., January 2014)

Do not record epiphytes if not growing on wetland substrate. Note their presence in the Remarks section.

Plot sampling procedure

Using the NZ Wetland Delineation Data Form (Appendix 1) for each vegetation stratum:

1. Estimate % cover for each species. This is the vertical projection (natural spread) of the above-ground live biomass for each species measured as % cover of the total area of the plot within a vegetation stratum, irrespective of position of other vegetation. Individual species cover cannot be more than 100% but total vegetation cover can be $>100\%$ within a stratum.
2. Add individual %'s to give Total Cover
3. Assign wetland indicator status ratings for each species from the New Zealand plant list (Clarkson et al. 2013; see Appendix 9).
4. Calculate Dominance Test and Prevalence Index for plot.

Examples on how the Delineation Data Forms are filled out are provided in Appendix 2. To complete the Delineation Data Form, worksheets for the Dominance Test (Appendix 3) and Prevalence Index (Appendix 4) should be filled out. These are explained in the following sections.

Both the Dominance Test and Prevalence Index are recommended to be carried out for wetland delineation in New Zealand. If both tests are met, the area is highly likely to be a wetland. If neither is met, the area is probably not a wetland. If only one test is met, or if the scores are marginally under the threshold, then additional tests will need to be undertaken, which should also include soils and hydrology (Environment Laboratory 1987; Wentworth et al. 1988; Wakeley & Lichvar 1997).

Another vegetation-based test that could be used if the Dominance Test results are inconclusive is the FAC-Neutral Test (RJ Pierce, Wetland Training Institute, and CJ Newling, pers. comms, January 2014), which was developed as a Wetland Hydrology Secondary Indicator (Environmental Laboratory 1987).

Dominance Test

The Dominance Test involves a subset of the species in a Sample Plot, i.e. the dominant species, which are determined by a method called the 50/20 rule. This rule was “formally” introduced in the 1989 Manual (Federal Interagency Committee for Wetland Delineation 1989) and has been incorporated in all the current Regional Supplements (e.g. U.S. Army Corps of Engineers 2008, 2010, etc).

The steps for the Dominance Test are:

1. Fill in Dominance Test worksheet by ranking all species in each stratum from most to least abundant (see examples in Appendix 5 and 6).
2. Identify dominant species by applying the 50/20 rule, which is: select plant species from the ranked list in descending order until the cumulative coverage immediately *exceeds* 50% of the total cover for the stratum. If two or more species are equal in cover, they should be selected as a group. Then add any other species that comprise at least 20% of the total cover in the stratum. All these species are considered to be Dominant Species.
3. Species occurring in more than one stratum are assessed more than once.
4. The Dominance Test threshold is met if more than 50% of the dominants from all strata are OBL, FACW, or FAC (i.e. the plant community is considered hydrophytic).

Prevalence Index

The Prevalence Index is a vegetation-based method of weighted averages based on a process developed by Wentworth et al. (1988). The Prevalence Index uses the cover values of all vascular species (and *Sphagnum*) in the plant community. However, Wentworth et al. (1988) suggest any quantitative measure of abundance, such as frequency or basal area, may be used with some care.

Mathematically, the Prevalence Index must fall between 1 (all OBL species) and 5 (all UPL species). Wentworth et al. (1988) cautioned that vegetation alone was not accurate between Prevalence Index values 2.5 to 3.5. In addition, a Prevalence Index is considered undependable if 20% or more of the total cover in a Sample Plot cannot be identified to the level of species (CJ Newling, pers. comm., January 2014).

The steps for the Prevalence Index are:

1. Fill in Prevalence Index worksheet by ranking all species by cover in each Indicator Group from most to least abundant (see examples in Appendix 7 and 8). Sum the covers for species in more than one stratum.
2. Multiply Total Group % Covers accordingly: OBL by 1, FACW by 2, FAC by 3, FACU by 4, UPL by 5.
3. Divide the Product Total (B) by the Total Cover by Group (A).
4. The Prevalence Index (B/A) threshold is met if ≤ 3.0 (i.e. the vegetation is considered hydrophytic).

5.3 Lake Serpentine Results

The Dominance Test and Prevalence Index results for Lake Serpentine are summarised in Table 2. The wetland/non-wetland boundary was determined to be between plots 3 and 4. This delineation was confirmed by testing for the presence of wetland hydrology and hydric soils at the plots, with only plots 1–3 having hydric soils and wetland hydrology (Dave Palmer, Landcare Research, *pers comm.*).

Table 2 Lake Serpentine hydrophytic vegetation tests

Plot	Dominance Index %	Hydrophytic Vegetation?	Prevalence Index	Hydrophytic Vegetation?
1	100	Yes	1.99	Yes
2	100	Yes	2.44	Yes
3	75	Yes	2.70	Yes
4	50	No	3.61	No
5	50	No	3.52	No

6 Conclusions

The hydrophytic vegetation parameter on its own is a useful tool for delineating wetlands for most wetland types as it yielded ecologically meaningful results when tested along a wetland/non-wetland gradient at Lake Serpentine, Waikato. The Prevalence Index method also showed intuitive results when tested at seven wetland sites along hydrological gradients in Southland (Clarkson et al. 2013).

Caution should be exercised for delineation of sites where vegetation cover is sparse (e.g. mudflat, ephemeral wetlands), where plant communities have been disturbed (e.g., cut-over peat bogs, sites destroyed by fire or natural disaster), or where there are strong elements of FAC species (e.g. pakihi and gumland). In addition, some wetland plants may extend onto relatively dry lands that have very infertile soils, e.g. gumland (Johnson & Gerbeaux 2004).

7 Recommendations

To provide an ecologically based, standardised wetland delineation system for the full range of New Zealand wetlands the wetland delineation approach should be expanded to incorporate all three environmental criteria – vegetation, soils, and hydrology – as is used for regulatory purposes in the USA. This will ensure a more robust approach to wetland delineation particularly in cases where assessments based solely on vegetation are inconclusive or misleading.

National guidance on applying the soils and hydrology criteria would require concordance of the New Zealand soils classification (Hewitt 2010) with the USA soils classification used in the Corps of Engineers approach (USDA, NRCS 2010; USACE 2008, 2010).

8 Acknowledgements

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Appendix 1 – NZ Wetland Determination Data Form

WETLAND DETERMINATION DATA FORM – NEW ZEALAND

Project/Site: _____ Region: _____ Sampling Date: _____
 Applicant/Owner: _____ Altitude: _____ Sampling Point No: _____
 Investigator(s): _____ Nearby town/city: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Latitude: _____ Longitude: _____ Datum: WGS 84
 Soil Map Unit Name: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____ No _____	Is the Sampled Area within a Wetland?	Yes _____ No _____
Hydric Soil Present?	Yes _____ No _____		
Wetland Hydrology Present?	Yes _____ No _____		
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
2. _____				
3. _____				
4. _____				
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
_____ = Total Cover				
Herb Stratum (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
_____ = Total Cover				
Remarks:				Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is $\leq 3.0^1$ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Remarks:				Hydrophytic Vegetation Present? Yes _____ No _____

Adapted from US Army Corps of Engineers

New Zealand – Version 1.0

Appendix 2 – Lake Serpentine Wetland Determination Data Forms

WETLAND DETERMINATION DATA FORM – NEW ZEALAND

Project/Site: Lake Serpentine Region: Waikato Sampling Date: 17/9/2012
 Applicant/Owner: Department of Conservation Altitude: _____ Sampling Point No: 1
 Investigator(s): PDC PNT LE PG Nearby town/city: Te Awamutu
 Landform (hillslope, terrace, etc.): Basin (shallow) Local relief (concave, convex, none): Concave Slope (%): 0-2
 Latitude: _____ Longitude: _____ Datum: WGS 84

Soil Map Unit Name: _____
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present? <u>N/A</u> Yes _____ No _____	
Wetland Hydrology Present? <u>N/A</u> Yes _____ No _____	
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____				Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u>	(A)
2. _____				Total Number of Dominant Species Across All Strata: <u>2</u>	(B)
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u>	(AB)
4. _____				Prevalence Index worksheet:	
= Total Cover				Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size: <u>10m x 10m</u>)				OBL species <u>85</u>	x 1 = <u>85</u>
1. <u>LEP sco</u>	<u>80</u>	<u>Y</u>	<u>FAC</u>	FACW species <u>15.3</u>	x 2 = <u>30.6</u>
2. <u>COP ter</u>	<u>0.1</u>		<u>FACW</u>	FAC species <u>82</u>	x 3 = <u>246</u>
3. <u>Ryb fou*</u>	<u>0.1</u>		<u>FACU</u>	FACU species <u>0.2</u>	x 4 = <u>0.8</u>
4. _____				UPL species _____	x 5 = _____
5. _____				Column Totals: <u>182.5</u>	(A) <u>362.4</u>
= Total Cover				Prevalence Index = B/A = <u>1.99</u>	
Herb Stratum (Plot size: <u>2m x 2m</u>)				Hydrophytic Vegetation Indicators:	
1. <u>SPH cri</u>	<u>80</u>	<u>Y</u>	<u>OBL</u>	<input checked="" type="checkbox"/> Dominance Test is >50%	
2. <u>MAC ter</u>	<u>0.1</u>		<u>FACW</u>	<input checked="" type="checkbox"/> Prevalence Index is $\leq 3.0^1$	
3. <u>MAC rub</u>	<u>4</u>		<u>OBL</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
4. <u>CAR dem</u>	<u>15</u>		<u>FACW</u>	Problematic Hydrophytic Vegetation ¹ (Explain)	
5. <u>HYP rad*</u>	<u>0.1</u>		<u>FACU</u>		
6. <u>BLE min</u>	<u>0.1</u>		<u>FACW</u>		
7. <u>HOL lan*</u>	<u>2</u>		<u>FAC</u>		
8. <u>LYC eur*</u>	<u>1</u>		<u>OBL</u>		
9. _____					
10. _____					
11. _____					
12. _____					
= Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	
Remarks: * = introduced species					

WETLAND DETERMINATION DATA FORM – NEW ZEALAND

Project/Site: Lake Serpentine Region: Waikato Sampling Date: 17/9/2012
 Applicant/Owner: Department of Conservation Altitude: _____ Sampling Point No: 2
 Investigator(s): BRC KAB BDR Nearby town/city: Te Awamutu
 Landform (hillslope, terrace, etc.): Basin (shallow) Local relief (concave, convex, none): Concave Slope (%): 0-2
 Latitude: _____ Longitude: _____ Datum: WGS 84
 Soil Map Unit Name: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present? <u>N/A</u> Yes _____ No _____	
Wetland Hydrology Present? <u>NA</u> Yes _____ No _____	
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____				Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)	
2. _____				Total Number of Dominant Species Across All Strata: <u>3</u> (B)	
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)	
4. _____					
_____ = Total Cover				Prevalence Index worksheet:	
Sapling/Shrub Stratum (Plot size: _____)				Total % Cover of: _____ Multiply by:	
1. <u>LEP sco</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>	OBL species <u>0.1</u> x 1 = <u>0.1</u>	
2. _____				FACW species <u>47.1</u> x 2 = <u>94.2</u>	
3. _____				FAC species <u>32</u> x 3 = <u>96</u>	
4. _____				FACU species <u>2.1</u> x 4 = <u>8.4</u>	
5. _____				UPL species _____ x 5 = _____	
<u>20</u> = Total Cover				Column Totals: <u>81.3</u> (A) <u>198.7</u> (B)	
Herb Stratum (Plot size: _____)				Prevalence Index = B/A = <u>2.44</u>	
1. <u>MACTer</u>	<u>15</u>	<u>Y</u>	<u>FACW</u>	Hydrophytic Vegetation Indicators:	
2. <u>LOT ped*</u>	<u>2</u>		<u>FAC</u>	___ Dominance Test is >50%	
3. <u>RAN pla*</u>	<u>3</u>		<u>FACW</u>	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 ¹	
4. <u>GON mic</u>	<u>2</u>		<u>FAC</u>	___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u>CAR dem</u>	<u>3</u>		<u>FACW</u>	___ Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u>LEO tar*</u>	<u>5</u>		<u>FAC</u>		
7. <u>ANT odo*</u>	<u>1</u>		<u>FACU</u>		
8. <u>HOL lan*</u>	<u>3</u>		<u>FAC</u>		
9. <u>JUN pla*</u>	<u>25</u>	<u>Y</u>	<u>FACW</u>		
10. <u>AYO P's*</u>	<u>1</u>		<u>FACU</u>		
11. <u>LYC euc*</u>	<u>0.1</u>		<u>OBL</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
12. <u>PRU vul*</u>	<u>0.1</u>		<u>FACW</u>	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	
<u>CEN uni</u>	<u>0.1</u>		<u>FACW</u>		
<u>SCH mas</u>	<u>1</u>		<u>FACW</u>		
<u>61.3</u> = Total Cover					
Remarks: * = introduced species					

Adapted from US Army Corps of Engineers

New Zealand – Version 1.0

WETLAND DETERMINATION DATA FORM – NEW ZEALAND

Project/Site: Lake Serpentine Region: Waikato Sampling Date: 17/9/2012
 Applicant/Owner: Department of Conservation Altitude: _____ Sampling Point No: 3
 Investigator(s): PDC PNT LE PG Nearby town/city: Te Awamutu
 Landform (hillslope, terrace, etc.): Basin (shallow) Local relief (concave, convex, none): Concave Slope (%): 0-2
 Latitude: _____ Longitude: _____ Datum: WGS 84
 Soil Map Unit Name: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present? <u>NA</u> Yes _____ No _____	
Wetland Hydrology Present? <u>NA</u> Yes _____ No _____	
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75%</u> (A/B)
4. _____	_____	_____	_____	
= Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x 1 = _____
3. _____	_____	_____	_____	FACW species <u>63.1</u> x 2 = <u>126.2</u>
4. _____	_____	_____	_____	FAC species <u>1.1</u> x 3 = <u>3.3</u>
5. _____	_____	_____	_____	FACU species <u>34.1</u> x 4 = <u>136.4</u>
= Total Cover				UPL species _____ x 5 = _____
				Column Totals: <u>98.3</u> (A) <u>265.9</u> (B)
				Prevalence Index = B/A = <u>2.70</u>
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:
1. <u>JUN eff *</u>	<u>15</u>	<u>Y</u>	<u>FACW</u>	<input checked="" type="checkbox"/> Dominance Test is >50%
2. <u>AXO fis *</u>	<u>8</u>	_____	<u>FACU</u>	<input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹
3. <u>AGR sto *</u>	<u>1.8</u>	<u>Y</u>	<u>FACW</u>	____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4. <u>CAR dem</u>	<u>30</u>	<u>Y</u>	<u>FACW</u>	____ Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>PAS dil *</u>	<u>6</u>	_____	<u>FACU</u>	
6. <u>HYP rad *</u>	<u>15</u>	<u>Y</u>	<u>FACU</u>	
7. <u>CRE cap *</u>	<u>2</u>	_____	<u>FACU</u>	
8. <u>PLA lan *</u>	<u>2</u>	_____	<u>FACU</u>	
9. <u>GON mic</u>	<u>0.1</u>	_____	<u>FAC</u>	
10. <u>LOT ped *</u>	<u>1</u>	_____	<u>FAC</u>	
11. <u>PRU vul *</u>	<u>1</u>	_____	<u>FACU</u>	
12. <u>RAN fla *</u>	<u>0.1</u>	_____	<u>FACW</u>	
<u>LUZ nul</u>	<u>0.1</u>	_____	<u>FACU</u>	
= Total Cover <u>98.3</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
Remarks:				

WETLAND DETERMINATION DATA FORM – NEW ZEALAND

Project/Site: Lake Serpentine Region: Waikato Sampling Date: 17/9/2012
 Applicant/Owner: Department of Conservation Altitude: _____ Sampling Point No: 4
 Investigator(s): BRC, KAB, BDR Nearby town/city: Te Awamutu
 Landform (hillslope, terrace, etc.): basin (shallow) Local relief (concave, convex, none): Concave Slope (%): 0-2
 Latitude: _____ Longitude: _____ Datum: WGS 84

Soil Map Unit Name: _____
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present? <u>NA</u> Yes _____ No _____	
Wetland Hydrology Present? <u>NA</u> Yes _____ No _____	
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____				Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)	
2. _____				Total Number of Dominant Species Across All Strata: <u>2</u> (B)	
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)	
4. _____				= Total Cover	
Sanding/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:	
1. _____				Total % Cover of:	Multiply by:
2. _____				OBL species <u>-</u> x 1 = _____	
3. _____				FACW species <u>4</u> x 2 = <u>8</u>	
4. _____				FAC species <u>39</u> x 3 = <u>117</u>	
5. _____				FACU species <u>71.1</u> x 4 = <u>308.4</u>	
				UPL species <u>-</u> x 5 = _____	
				Column Totals: <u>120</u> (A)	<u>433.4</u> (B)
				Prevalence Index = B/A = <u>3.61</u>	
Herb Stratum (Plot size: <u>2m x 2m</u>)				Hydrophytic Vegetation Indicators:	
1. <u>ATOFIS*</u>	<u>2</u>		<u>FACU</u>	<input checked="" type="checkbox"/> Dominance Test is >50%	
2. <u>ANT odo*</u>	<u>36</u>	<u>Y</u>	<u>FACU</u>	<input checked="" type="checkbox"/> Prevalence Index is >3.0 ¹	
3. <u>HOL lan*</u>	<u>36</u>	<u>Y</u>	<u>FAC</u>	____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
4. <u>POA ann*</u>	<u>0.1</u>		<u>FACU</u>	____ Problematic Hydrophytic Vegetation ¹ (Explain)	
5. <u>PLA lan*</u>	<u>18</u>		<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
6. <u>HYP rad*</u>	<u>20</u>		<u>FACU</u>	Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>	
7. <u>LOT ped*</u>	<u>3</u>		<u>FAC</u>		
8. <u>RUM ace*</u>	<u>1</u>		<u>FACU</u>		
9. <u>RAW fls*</u>	<u>2</u>		<u>FACW</u>		
10. <u>SUN eff*</u>	<u>2</u>		<u>FACW</u>		
11. _____					
12. _____					
				= Total Cover <u>120</u>	
Remarks:					

WETLAND DETERMINATION DATA FORM – NEW ZEALAND

Project/Site: Lake Serpentine Region: Waikato Sampling Date: 17/9/2012
 Applicant/Owner: Department of Conservation Altitude: _____ Sampling Point No: 5
 Investigator(s): PDC PNJ LF PG Nearby town/city: Te Awamutu
 Landform (hillslope, terrace, etc.): Basin (shallow) Local relief (concave, convex, none): Concave Slope (%): 0-2
 Latitude: _____ Longitude: _____ Datum: WGS 84
 Soil Map Unit Name: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>	Hydic Soil Present? <u>NA</u> Yes _____ No _____	Wetland Hydrology Present? <u>NA</u> Yes _____ No _____	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species <u>61</u> x 3 = <u>183</u> FACU species <u>42</u> x 4 = <u>168</u> UPL species <u>8</u> x 5 = <u>40</u> Column Totals: <u>111</u> (A) <u>391</u> (B) Prevalence Index = B/A = <u>3.52</u>
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)	_____	_____	_____	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
_____ = Total Cover				Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>
Remarks:				

Appendix 3 – Indicator 1 – Dominance Test

Stratum	Species Name	% Cover	Dominant Species?	Indicator Status
Tree (r = 10 m)				
	Total Cover			
		50% 20%		
Sapling/shrub (r = 5 m)				
	Total Cover			
		50% 20%		
Herb (2 m × 2 m plots)				
	Total Cover			
		50% 20%		
Hydrophytic Vegetation Determination	Number of Dominant Species across all Strata _____ Percent of Dominant Species that are OBL, FACW and/or FAC _____% Hydrophytic Vegetation by Indicator 1 (is DT >50%)? _____ Yes _____ No			

*Indicates exotic species

Appendix 4 – Indicator 2 – Prevalence Index

Indicator Group	Species Name	Percent Cover by Species	Total Cover by Group	Weighting Factor	Product
OBL				1	
FACW				2	
FAC				3	
FACU				4	
UPL				5	
	Totals		(A)		(B)
Hydrophytic Vegetation Determination	Prevalence Index = B/A = _____ Hydrophytic Vegetation by Indicator 2 (is PI ≤3.0)? _____ Yes _____ No				

*Indicates exotic species

Appendix 5 – Dominance Test Lake Serpentine Plot 1

Stratum	Species Name	% Cover	Dominant Species?	Indicator Status
Tree (r = 10 m)				
Sapling/shrub (r = 5 m)	<i>Leptospermum scoparium</i>	80	Yes	FAC
	<i>Coprosma tenuicaulis</i>	0.1	No	FACW
	<i>Rubus fruticosus*</i>	0.1	No	FACW
	Total Cover	80.2%		
		50%: 40.1% 20%: 16.04%		
Herb (2 m × 2 m)	<i>Sphagnum cristatum</i>	80	Yes	OBL
	<i>Carex demissa*</i>	15	No	FACW
	<i>Machaerina rubiginosa</i>	4	No	OBL
	<i>Holcus lanatus*</i>	2	No	FAC
	<i>Lycopus europaeus*</i>	1	No	OBL
	<i>Machaerina teretifolia</i>	0.1	No	FACW
	<i>Blechnum minus</i>	0.1	No	FACW
	<i>Hypochaeris radicata*</i>	0.1	No	FACU
	Total Cover	102.3%		
		50%: 51.15% 20%: 20.46%		
Hydrophytic Vegetation Determination	Number of Dominant Species across all Strata <u> 2 </u>			
	Percent of Dominant Species that are OBL, FACW and/or FAC <u> 100 </u> %			
	Hydrophytic Vegetation by Indicator 1 (is DT >50%)? <u> ✓ </u> Yes <u> </u> No			

Appendix 6 – Dominance Test Lake Serpentine Plot 5

Stratum	Species Name	% Cover	Dominant Species?	Indicator Status
Tree (r = 30')				
	Total Cover			
		50% 20%		
Sapling/shrub (r = 30')				
	Total Cover			
		50% 20%		
Herb (2 m × 2 m)	<i>Holcus lanatus*</i>	60	Yes	FAC
	<i>Anthoxanthum odoratum*</i>	25	Yes	FACU
	<i>Hypochaeris radicata*</i>	15	No	FACU
	<i>Lolium perenne*</i>	8	No	UPL
	<i>Plantago lanceolata*</i>	2	No	FACU
	<i>Lotus pedunculatus*</i>	1	No	FAC
	Total Cover	111		
		50%: 55.5 20%: 22.2		
Hydrophytic Vegetation Determination	Number of Dominant Species across all Strata <u> 2 </u>			
	Percent of Dominant Species that are OBL, FACW and/or FAC <u> 50 </u> %			
	Hydrophytic Vegetation by Indicator 1 (is DT >50%)? <u> </u> Yes <u> √ </u> No			

Appendix 7 – Prevalence Index Lake Serpentine Plot 1

Indicator Group	Species Name	Percent Cover by Species	Total Cover by Group	Weighting Factor	Product
OBL	<i>Sphagnum cristatum</i>	80	85	1	85
	<i>Machaerina rubiginosa</i>	4			
	<i>Lycopus europaeus*</i>	1			
FACW	<i>Carex demissa*</i>	15	15.3	2	30.6
	<i>Coprosma tenuicaulis</i>	0.1			
	<i>Machaerina teretifolia</i>	0.1			
	<i>Blechnum minus</i>	0.1			
FAC	<i>Leptospermum scoparium</i>	80	82	3	246
	<i>Holcus lanatus*</i>	2			
FACU	<i>Hypochaeris radicata*</i>	0.1	0.2	4	0.8
	<i>Rubus fruticosus*</i>	0.1			
UPL	–		0	5	0
	Totals		(A) 182.5		(B) 362.4
Hydrophytic Vegetation Determination	Prevalence Index = B/A = <u>1.99</u>				
	Hydrophytic Vegetation by Indicator 2 (is PI ≤3.0)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

*Indicates exotic species

Appendix 8 – Prevalence Index Lake Serpentine Plot 5

Indicator Group	Species Name	Percent Cover by Species	Total Cover by Group	Weighting Factor	Product
OBL	–		0	1	0
FACW	–		0	2	0
FAC	<i>Holcus lanatus*</i>	60	61	3	183
	<i>Lotus pedunculatus*</i>	1			
FACU	<i>Anthoxanthum odoratum*</i>	25	42	4	168
	<i>Hypochaeris radicata*</i>	15			
	<i>Plantago lanceolatus*</i>	2			
UPL	<i>Lolium perenne*</i>	8	8	5	40
	Totals		(A) 111		(B) 391
Hydrophytic Vegetation Determination	Prevalence Index = B/A = <u>3.52</u>				
	Hydrophytic Vegetation by Indicator 2 (is PI ≤3.0)? _____ Yes <input checked="" type="checkbox"/> No				

*Indicates exotic species

Appendix 9 – Wetland indicator status ratings for New Zealand species

Table 3 Clarkson BR, Champion PD, Rance BD, Johnson PN, Bodmin KA, Forester L, Gerbeaux P, Reeves PN 2013. Landcare Research, Hamilton, July 2013

Full Name	Rating	Authority	Code*	Synonym(s)	Common name	Biostatus Origin
<i>Agropogon littoralis</i>	FAC	(Sm.) C.E.Hubb.			Perennial beard grass	Exotic
<i>Abrotanella caespitosa</i>	FACW	Petrie ex Kirk	ABRcae			Endemic
<i>Abrotanella linearis</i>	FACW	Berggr.	ABRlin	<i>Abrotanella filiformis</i> , <i>A. linearis</i> var. <i>apiculata</i>		Endemic
<i>Acaena anserinifolia</i>	FACU	(J.R.Forst. & G.Forst.) J.B.Armstr.	ACAans		Bidibid	Endemic
<i>Acaena novae-zelandiae</i>	FACU	Kirk	ACAnov			Non-endemic
<i>Acer pseudoplatanus</i>	UPL	L.	ACEpse		Sycamore	Exotic
<i>Aciphylla aurea</i>	UPL	W.R.B.Oliv.	AClaur		Golden spaniard	Endemic
<i>Aciphylla pinnatifida</i>	OBL	Petrie	AClpin			Endemic
<i>Aciphylla subflabellata</i>	UPL	W.R.B.Oliv.	AClsub			Endemic
<i>Aciphylla traversii</i>	FAC	(F.Muell.) Hook.f.	ACltrv		Chatham Is speargrass, taramea	Endemic
<i>Actinotus novae-zelandiae</i>	OBL	Petrie	ACTnov	<i>Hemiphues suffocata</i> var. <i>novae-zelandiae</i>		Endemic
<i>Adenochilus gracilis</i>	FAC	Hook.f.	ADEgra			Endemic
<i>Ageratina adenophora</i>	FAC	(Spreng.) R.M.King & H.Rob.	AGEade		Mexican devil	Exotic
<i>Agrostis capillaris</i>	FACU	L.	AGRcap	<i>Agrostis tenuis</i>	Browntop	Exotic
<i>Agrostis muscosa</i>	FAC	Kirk	AGRmus		Pincushion grass	Endemic
<i>Agrostis stolonifera</i>	FACW	L.	AGRsto		Creeping bent	Exotic
<i>Ajuga reptans</i>	FACU	L.	AJUrep		Bugle	Exotic
<i>Alisma lanceolatum</i>	OBL	With.	ALlIlan		Water plantain	Exotic
<i>Alisma plantago-aquatica</i>	OBL	L.	ALlpla		Water plantain	Exotic
<i>Allium triquetrum</i>	FAC	L.	ALLtri		Onion weed	Exotic
<i>Alnus glutinosa</i>	FACW	(L.) Gaertn.	ALNglu		Alder	Exotic
<i>Alopecurus aequalis</i>	FACW	Sobol.	ALOaeq		Orange foxtail	Exotic
<i>Alopecurus geniculatus</i>	FACW	L.	ALOgen		Marsh foxtail	Exotic
<i>Alopecurus pratensis</i>	FAC	L.	ALOpra		Meadow foxtail	Exotic
<i>Alternanthera denticulata</i>	FACW	R.Br.	ALTses	<i>Alternanthera sessilis</i>	Nahui	Exotic

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<i>Alternanthera nahui</i>	FACW	Heenan & de Lange	ALTnah			Non-endemic
<i>Alternanthera philoxeroides</i>	FACW	(Mart.) Griseb.	ALTphi		Alligator weed	Exotic
<i>Amphibromus fluitans</i>	OBL	Kirk	AMPflu			Non-endemic
<i>Anagallis arvensis</i>	FACU	L.	ANAarv		Scarlet pimpernel	Exotic
<i>Anaphalioides bellidioides</i>	FACU	(G.Forst.) Glenny	ANAbel	<i>Helichrysum bellidioides</i>	Native everlasting daisy	Endemic
<i>Anaphalioides hookeri</i>	FACU	(Allan) Anderb.	ANAhoo	<i>Gnaphalium hookeri</i>		Endemic
<i>Androstoma empetrifolia</i>	FACW	Hook.f.	ANDemp	<i>Cyathodes empetrifolia</i>		Endemic
<i>Anisotome aromatica</i>	FACU	Hook.f.	ANlaro		Common aniseed	Endemic
<i>Anisotome imbricata</i>	FACU	(Hook.f.) Cockayne	ANlimb			Endemic
<i>Anthoxanthum odoratum</i>	FACU	L.	ANTodo		Sweet vernal	Exotic
<i>Anzybas carsei</i>	OBL	(Cheeseman) D.L.Jones et M.A.Clem.	ANZcar	<i>Corybas carsei</i> , <i>C. unguiculatus</i> L.B. Moore		Non-endemic
<i>Apium nodiflorum</i>	OBL	(L.) Lag.	APInod		Water celery	Exotic
<i>Apium prostratum</i>	FAC	Vent.	APIpro	<i>Apium australe</i>	New Zealand celery	Non-endemic
<i>Apodasmia similis</i>	FACW	Edgar	APOSim	<i>Leptocarpus similis</i>	Oioi	Endemic
<i>Aponogeton distachyos</i>	OBL	L.f.	APOdis		Cape pondweed	Exotic
<i>Aporostylis bifolia</i>	FACW	(Hook.f.) Rupp & Hatch	APObif		Odd-leaved orchid	Endemic
<i>Argyrotegium mackayi</i>	FACU	(Buchanan) J.M.Ward & Breiwt.	GNAmac	<i>Gnaphalium mackayi</i>		Endemic
<i>Asplenium bulbiferum</i>	UPL	G.Forst.	ASPbul		Hen and chickens	Non-endemic
<i>Asplenium flaccidum</i>	UPL	G.Forst.	ASPfla		Hanging spleenwort	Non-endemic
<i>Asplenium oblongifolium</i>	UPL	Colenso	ASPobl		Shining spleenwort	Endemic
<i>Asplenium polyodon</i>	UPL	G.Forst.	ASPpol		Sickle fern	Non-endemic
<i>Astelia chathamica</i>	FAC	(Skottsb.) L.B.Moore	ASTcha		Chatham Is astelia, kakaha	Endemic
<i>Astelia fragrans</i>	FACU	Colenso	ASTfra		Kakaha	Endemic

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<i>Astelia grandis</i>	OBL	Hook.f. ex Kirk	ASTgra		Swamp astelia	Endemic
<i>Astelia linearis</i> var. <i>linearis</i>	OBL	Hook.f.	ASTlin			Endemic
<i>Astelia linearis</i> var. <i>novae-zelandiae</i>	OBL	Skottsb.	ASTlvn			Endemic
<i>Astelia nervosa</i>	FACU	Hook.f.	ASTner		Mountain astelia	Endemic
<i>Astelia subulata</i>	OBL	(Hook.f.) Cheeseman in Chilton	ASTsub			Endemic
<i>Aster novi-belgii</i>	FAC	L.	ASTnov		Michaelmas daisy	Exotic
<i>Atriplex prostrata</i>	FACU	DC.	ATRpro		Orache	Exotic
<i>Austroderia fulvida</i>	FAC	(Buchanan) N.P.Barker & H.P.Linder	AUSful	<i>Cortaderia fulvida</i>	Toetoe	Endemic
<i>Austroderia richardii</i>	FAC	(Endl.) N.P.Barker & H.P.Linder	AUSric	<i>Cortaderia richardii</i>		Endemic
<i>Austroderia splendens</i>	FAC	(Connor) N.P.Barker & H.P.Linder	AUSspl	<i>Cortaderia splendens</i>	Coastal toetoe	Endemic
<i>Austroderia toetoe</i>	FACW	(Zotov) N.P.Barker & H.P.Linder	AUSToe	<i>Cortaderia toetoe</i>		Endemic
<i>Austrostipa stipoides</i>	FACU	(Hook.f.) S.W.L.Jacobs & J.Everett	ASUsti	<i>Stipa stipoides</i>		Non-endemic
<i>Avicennia marina</i> subsp. <i>australasica</i>	OBL	(Walp.) J.Everett	AVImsa	<i>Avicennia marina</i> var. <i>resinifera</i> , <i>A. resinifera</i>	Mangrove	Non-endemic
<i>Axonopus fissifolius</i>	FACU	(Raddi) Kuhlms.	AXOfis	<i>Axonopus affinis</i>	Carpet grass	Exotic
<i>Azolla filiculoides</i>	OBL	Lam.	AZOfil	<i>Azolla filiculoides</i> var. <i>rubra</i> , <i>A. rubra</i>	Kārearea	Non-endemic
<i>Azolla pinnata</i>	OBL	R.Br.	AZOpin		Ferny azolla	Exotic
<i>Barbarea intermedia</i>	FAC	Boreau	BARint		Winter cress	Exotic
<i>Barbarea stricta</i>	FAC	Andrz.	BARstr		Winter cress	Exotic
<i>Bauera rubioides</i>	FAC	Andrews				Exotic
<i>Berberis glaucocarpa</i>	FACU	Stapf	BERgla		Barberry	Exotic
<i>Betula pendula</i>	FAC	Roth	BETpen		Silver birch	Exotic
<i>Bidens frondosa</i>	FACW	L.	BIDfro		Beggar's ticks	Exotic
<i>Bidens tripartita</i>	FACW	L.	BIDfro		Swamp beggar's ticks	Exotic

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<i>Blackstonia perfoliata</i>	FACU	(L.) Huds.	BLAper		Yellowwort	Exotic
<i>Blechnum alpinum</i>		(R.Br.) Mett.				Non-endemic
<i>Blechnum filiforme</i>	FACU	(A.Cunn.) Ettingsh.	BLEfil		Thread fern	Endemic
<i>Blechnum minus</i>	FACW	(R.Br.) Ettingsh.	BLEmin		Swamp kiokio	Non-endemic
<i>Blechnum montanum</i>	FACU	T.C.Chambers et P.A.Farrant	BLEmon		Mountain kiokio	Endemic
<i>Blechnum novae-zelandiae</i>	FAC	T.C.Chambers & P.A.Farrant	BLEnov	<i>Blechnum capense</i>	Kiokio	Endemic
<i>Blechnum penna-marina</i>	FAC	(Poir.) Kuhn	BLEpen		Alpine hard fern	Non-endemic
<i>Blechnum procerum</i>	FACU	(G.Forst.) Sw.	BLEpro			Endemic
<i>Bolboschoenus caldwellii</i>	OBL	(V.J.Cook) Soják	BOLcal			Non-endemic
<i>Bolboschoenus fluviatilis</i>	OBL	(Torr.) Soják	BOLflu			Non-endemic
<i>Bolboschoenus medianus</i>	OBL	(V.J.Cook) Soják	BOLmed			Non-endemic
<i>Botrychium lunaria</i>	FAC	(L.) Sw.	BOTlun		Moonwort	Non-endemic
<i>Brachyglottis elaeagnifolia</i>	FACU	(Hook.f.) B.Nord.	BRAela	<i>Senecio eleagnifolius</i>		Endemic
<i>Brachyscome linearis</i>	FACW	(Petrie) Druce	BRAlin			Endemic
<i>Bromus catharticus</i>	UPL	Vahl	BROcat		Praire grass	Exotic
<i>Bromus willdenowii</i>	UPL	Kunth	BROWil		Praire grass	Exotic
<i>Bulbinella angustifolia</i>	FAC	(Cockayne & Laing) L.B.Moore	BULang			Endemic
<i>Bulbinella gibbsii var gibbsii</i>	FACW	Cockayne	BULgvg			Endemic
<i>Bulbinella gibbsii var. balanifera</i>	FACU	L.B.Moore	BULbal			Endemic
<i>Bulbinella hookeri</i>	FACW	(Hook.) Cheeseman	BULhoo			Endemic
<i>Bulbinella modesta</i>	OBL	L.B.Moore	BULmod			Endemic
<i>Bulbinella rossii</i>	FACW	(Hook.f.) Cheeseman	BULros			Endemic
<i>Bulbinella talbotii</i>	FACW	L.B.Moore	BULtal			Endemic
<i>Callitriche antarctica</i>	FAC	Hegelm.	CALant			Endemic
<i>Callitriche brutia var. hamulata</i>	OBL	(Kütz. ex W.D.J.Koch)	Lansdown	<i>Callitriche hamulata</i>		Exotic
<i>Callitriche heterophylla</i>	OBL	Pursh emend. Darby	CALhet			Exotic

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<i>Callitriche muelleri</i>	FACW	Sond.	CALmue			Non-endemic
<i>Callitriche petriei</i>	OBL	R.Mason	CALpet			Endemic
<i>Callitriche stagnalis</i>	OBL	Scop.	CALsta		Starwort	Exotic
<i>Calochilus herbaceus</i>	FACW	Lindl.	CALcam	<i>Calochilus campestris</i>		Non-endemic
<i>Calochilus paludosus</i>	FAC	R.Br.	CALpal		Copper bearded orchid	Non-endemic
<i>Caltha novae-zelandiae</i>	OBL	Hook.f.	CALnov		Yellow caltha	Endemic
<i>Calystegia sepium subsp. roseata</i>	FAC	Brummitt	CALsep	<i>Calystegia sepium</i>	Pink bindweed	Non-endemic
<i>Calystegia tuguriorum</i>	FACU	(G.Forst.) R.Br. ex Hook.f.	CALTug			Non-endemic
<i>Cardamine corymbosa</i>	FAC	Hook.f.	CARcor			Endemic
<i>Cardamine debilis</i>	FAC	DC.	CARdeb			Endemic
<i>Cardamine lacustris</i>	OBL	(E.B.G.Jones & P.N.Johnson) Heenan	CARlct	<i>Iti lacustris</i>		Endemic
<i>Cardamine pratensis</i>	OBL	L.	CARpra			Exotic
<i>Carex acicularis</i>	FAC	Boott	CARaci			Endemic
<i>Carex allanii</i>	FACW	Hamlin	CARall			Endemic
<i>Carex appressa</i>	OBL	R.Br.	CARapp			Non-endemic
<i>Carex berggrenii</i>	FACW	Petrie	CARber			Endemic
<i>Carex buchananii</i>	FAC	Berggr.	CARBuc			Endemic
<i>Carex capillacea</i>	OBL	Boott	CARcap			Non-endemic
<i>Carex carsei</i>	OBL	Petrie	CARcar			Endemic
<i>Carex chathamica</i>	FACW	Petrie	CARcha			Endemic
<i>Carex cirrhosa</i>	FACW	Berggr.	CARcir			Endemic
<i>Carex colensoi</i>	FACU	Boott	CARcol		Colenso's sedge	Endemic
<i>Carex comans</i>	FAC	Berggr.	CARcom			Endemic
<i>Carex coriacea</i>	FACW	Hamlin	CARcor		Rautahi	Endemic
<i>Carex dallii</i>	FACW	Kirk	CARdal			Endemic
<i>Carex decurtata</i>	FACW	Cheeseman	CARdec			Endemic
<i>Carex demissa</i>	FACW	Hornem.	CARdem		Low sedge	Exotic
<i>Carex diandra</i>	OBL	Schrank	CARdia			Non-endemic
<i>Carex dipsacea</i>	FAC	Berggr.	CARDip			Endemic

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<i>Carex dissita</i>	FAC	Sol. ex Boott	CARdis	<i>Carex quadrangulata</i>		Endemic
<i>Carex divisa</i>	FAC	Huds.	CARdvs		Exotic	
<i>Carex divulsa</i>	FAC	Stokes	CARdiv			Exotic
<i>Carex echinata</i>	OBL	Murray	CARech		Star sedge	Non-endemic
<i>Carex enysii</i>	OBL	Petrie	CAReny			Endemic
<i>Carex fascicularis</i>	OBL	Boott	CARfas			Endemic
<i>Carex flacca</i>	FACW	Schreb.	CARflc		Carnation grass	Exotic
<i>Carex flagellifera</i>	FACU	Colenso	CARfgl			Non-endemic
<i>Carex flaviformis</i>	OBL	Nelmes	CARfla			Endemic
<i>Carex fretalis</i>	FAC	Hamlin	CARfre			Endemic
<i>Carex gaudichaudiana</i>	FACW	Kunth	CARGau			Non-endemic
<i>Carex geminata</i>	FACW	Schkuhr	CARgem			Endemic
<i>Carex hectorii</i>	FAC	Petrie	CARhec		Hector's sedge	Endemic
<i>Carex hirta</i>	FAC	L.	CARhir			Exotic
<i>Carex inversa</i>	FACU	R.Br.	CARinv			Non-endemic
<i>Carex kirkii</i>	FAC	Petrie	CARKir			Endemic
<i>Carex lachenalii</i>	OBL	Schkuhr	CARlac			Non-endemic
<i>Carex lambertiana</i>	FAC	Boott	CARlam			Endemic
<i>Carex lessoniana</i>	FACW	Steud.	CARles			Endemic
<i>Carex libera</i>	FACW	(Kük.) Hamlin	CARlib			Endemic
<i>Carex litorosa</i>	OBL	L.H.Bailey	CARlit			Endemic
<i>Carex longii</i>	FAC	Mack.	CARlon			Exotic
<i>Carex lurida</i>	FACW	Wahlenb.	CARlur		Sallow sedge	Exotic
<i>Carex maorica</i>	OBL	Hamlin	CARmao			Endemic
<i>Carex ochrosaccus</i>	FAC	(Cheeseman) Hamlin	CARoch			Endemic
<i>Carex ovalis</i>	FACW	Gooden.	CARova		Oval sedge	Exotic
<i>Carex pallescens</i>	FAC	L.	CARpal			Exotic
<i>Carex petriei</i>	FAC	Cheeseman	CARpet			Endemic
<i>Carex pumila</i>	FAC	Thunb.	CARpum		Sand sedge	Non-endemic
<i>Carex pyrenaica var. cephalotes</i>	FAC	(F.Muell.) Kük.	CARcep			Endemic
<i>Carex resectans</i>	FAC	Cheeseman	CARres			Endemic

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<i>Carex rubicunda</i>	FACW	Petrie	CARrub			Endemic
<i>Carex scoparia</i>	FACW	Schkuhr ex Willd.	CARsco			Exotic
<i>Carex secta</i>	OBL	Boott	CARsec			Endemic
<i>Carex sectoides</i>	OBL	(Kük.) Edgar				Endemic
<i>Carex sinclairii</i>	OBL	Boott	CARsin			Endemic
<i>Carex solandri</i>	FAC	Boott	CARsol			Endemic
<i>Carex subdola</i>	OBL	Boott	CARsub			Endemic
<i>Carex tahoata</i>	FAC	Hamlin	CARTah			Endemic
<i>Carex tenuiculmis</i>	OBL	(Petrie) Heenan & de Lange	CARtec	<i>Carex secta</i> var. <i>tenuiculmis</i>		Endemic
<i>Carex ternaria</i>	FACW	Boott	CARter			Endemic
<i>Carex trachycarpa</i>	OBL	Cheeseman	CARtra			Endemic
<i>Carex traversii</i>	FACW	Kirk	CARtrv			Endemic
<i>Carex ventosa</i>	FACU	C.B.Clarke	CARven		Chatham Island forest sedge	Endemic
<i>Carex virgata</i>	OBL	Boott	CARvir			Endemic
<i>Carex vulpinoidea</i>	OBL	Michx.	CARvul		Fox sedge	Exotic
<i>Carissa ovata</i>	FACU	R.Br.				Uncertain
<i>Carmichaelia arborea</i>	FACU	(G.Forst.) Druce	CARarb		Swamp broom	Endemic
<i>Carmichaelia australis</i>	FACU	R.Br.	CARaus	<i>Carmichaelia cunninghamii</i>		Endemic
<i>Carpha alpina</i>	OBL	R.Br.	CARapl		Straw sedge	Non-endemic
<i>Carpodetus serratus</i>	FACU	J.R.Forst. & G.Forst.	CARser		Putaputaweta	Endemic
<i>Cassutha paniculata</i>	FAC	R.Br.	CASpan			Non-endemic
<i>Celmisia alpina</i>	OBL	(Kirk) Cheeseman	CELapl			Endemic
<i>Celmisia argentea</i>	OBL	Kirk	CELarg			Endemic
<i>Celmisia clavata</i>	FACW	G.Simpson & J.S.Thomson	CLEcla			Endemic
<i>Celmisia glandulosa</i>	FACW	Hook.f.	CELgla			Endemic
<i>Celmisia gracilentia</i>	FAC	Hook.f.	CELgra			Endemic
<i>Celmisia graminifolia</i>	FACW	Hook.f.	CELgrm			Endemic
<i>Celmisia sessiliflora</i>	FACU	Hook.f.	CELses			Endemic
<i>Celmisia setacea</i>	OBL	Colenso	CELset			Uncertain
<i>Centaurium erythraea</i>	FACU	Rafn.	CENery		Centaury	Exotic
<i>Centella uniflora</i>	FACW	(Colenso) Nannf.	CENuni			Non-endemic
<i>Centipeda aotearoana</i>	FACW	N.G.Walsh	CENaot		New Zealand sneezewort	Endemic

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<i>Centipeda cunninghamii</i>	FACW	(DC.) A.Braun & Asch.	CENCun			Exotic
<i>Centipeda minima</i>	FACW	(L.) A.Braun & Asch.	CENmin	<i>Centipeda orbicularis</i>	Sneezeweed	Non-endemic
<i>Centrolepis ciliata</i>	OBL	(Hook.f.) Druce	CENCil			Endemic
<i>Centrolepis minima</i>	OBL	Kirk	CENmin			Endemic
<i>Centrolepis pallida</i>	OBL	(Hook.f.) Cheeseman	CENpal			Endemic
<i>Centrolepis strigosa</i>	FAC	(R.Br.) Roem. & Schult.	CENstr			Non-endemic
<i>Cerastium fontanum</i>	FACU	Baumg.	CERfon		Mouse-ear chickweed	Exotic
<i>Cerastium glomeratum</i>	FACU	Thuill.	CERglo		Annual mouse-ear chickweed	Exotic
<i>Ceratophyllum demersum</i>	OBL	L.	CERdem		Hornwort	Exotic
<i>Chaerophyllum colensoi</i>	FACU	(Hook.f.) K.F.Chung	OREcol			Non-endemic
<i>Chaerophyllum ramosum</i>	FAC	(Hook.f.) K.F.Chung	CHAram			Non-endemic
<i>Chionochloa crassiuscula</i> subsp. <i>crassiuscula</i>	FAC	(Kirk) Zotov	CHIscr		Pungent snow tussock	Endemic
<i>Chionochloa crassiuscula</i> subsp. <i>directa</i>	FAC	Connor (1991)	CHlcsd		Snow tussock	Endemic
<i>Chionochloa crassiuscula</i> subsp. <i>torta</i>	FAC	Connor	CHlctst		Curly snow tussock	Endemic
<i>Chionochloa juncea</i>	FAC	Zotov	CHIjun		North Westland snow tussock	Endemic
<i>Chionochloa rigida</i>	FAC	(Raoul) Zotov	CHlrig			Endemic
<i>Chionochloa rubra</i> subsp. <i>cuprea</i>	FAC	Connor	CHlrsc			Endemic
<i>Chionochloa rubra</i> subsp. <i>occulta</i>	FAC	Connor	CHlrso			Endemic
<i>Chionochloa rubra</i> subsp. <i>rubra</i>	FAC	Zotov	CHlrub		Red tussock	Endemic
<i>Chionochloa teretifolia</i>	FAC	(Petrie) Zotov	CHlter		Terete-leaved snow tussock	Endemic
<i>Christella dentata</i>	FAC	(Forssk.) Brownsey & Jermy	CHRden	<i>Thelypteris dentata</i>	Soft fern	Non-endemic
<i>Cirsium arvense</i>	FACU	(L.) Scop.	CIRarv		Californian thistle	Exotic
<i>Cirsium palustre</i>	FACW	(L.) Scop.	CIRpal		Marsh thistle	Exotic
<i>Cirsium vulgare</i>	FACU	(Savi) Ten.	CIRvul		Scotch thistle	Exotic

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<i>Clematis paniculata</i>	UPL	J.F.Gmel.	CLEpan		Puawhananga	Endemic
<i>Collospermum hastatum</i>	UPL	(Colenso) Skottsb.	COLhas		Kahakaha, tank lily	Endemic
<i>Colobanthus affinis</i>	FACW	(Hook.) Hook.f.	COLaff			Non-endemic
<i>Colobanthus apetalus</i>	FAC	(Labill.) Druce	COLape			Non-endemic
<i>Colobanthus strictus</i>	FAC	Cheeseman	COLstr			Endemic
<i>Colocasia esculenta</i>	FACW	(L.) Schott	COLesc		Taro	Exotic
<i>Conium maculatum</i>	FAC	L.	CONmac		Hemlock	Exotic
<i>Conyza sumatrensis</i>	FACU	(Retz.) E.H.Walker	CONsum	<i>Conyza albida</i>	Broad-leaved fleabane	Exotic
<i>Coprosma acerosa</i>	UPL	A.Cunn.	COPace		Sand coprosma	Endemic
<i>Coprosma chathamica</i>	FAC	Cockayne	COPcha			Endemic
<i>Coprosma cheesemanii</i>	FACU	W.R.B.Oliv.	COPche			Endemic
<i>Coprosma crenulata</i>	FACU	W.R.B.Oliv.	COPcre			Endemic
<i>Coprosma dumosa</i>	FAC	(Cheeseman) G.T.Jane	COPdmo	<i>Coprosma parviflora var. dumosa</i>		Endemic
<i>Coprosma elatirioides</i>	FACW	de Lange & A.S.Markey	COPela			Endemic
<i>Coprosma foetidissima</i>	FACU	J.R.Forst. & G.Forst.	COPfoe		Hupiro	Endemic
<i>Coprosma grandifolia</i>	FACU	Hook.f.	COPgra	<i>Coprosma australis</i>	Kanono	Endemic
<i>Coprosma intertexta</i>	UPL	G.Simpson	COPint			Endemic
<i>Coprosma linariifolia</i>	UPL	Hook.f.	COPlin			Endemic
<i>Coprosma pedicellata</i>	FACW	de Lange et B.D.Clarkson	COPped			Endemic
<i>Coprosma perpusilla</i>	FAC	Colenso	COPper	<i>C. pumila sensu NZ</i>		Non-endemic
<i>Coprosma perpusilla subsp. subantarctica</i>	FACW	Orchard	COPpss			Endemic
<i>Coprosma propinqua</i>	FAC	A.Cunn.	COPpro		Mingimingi	Endemic
<i>Coprosma propinqua var. martinii</i>	FACW	W.R.B.Oliv.	COPpvm			Endemic
<i>Coprosma rhamnoides</i>	UPL	A.Cunn.	COPrha			Endemic
<i>Coprosma robusta</i>	FACU	Raoul	COProb		Karamu	Endemic
<i>Coprosma rotundifolia</i>	FAC	A.Cunn.	COProt			Endemic
<i>Coprosma spathulata</i>	UPL	A.Cunn.	COPspa			Endemic
<i>Coprosma tayloriae</i>	FACU	A.P.Druce	COPtay			Endemic
<i>Coprosma tenuicaulis</i>	FACW	Hook.f.	COPtec		Swamp coprosma	Endemic

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<i>Coprosma tenuifolia</i>	UPL	Cheeseman	COPtef			Endemic
<i>Coprosma virescens</i>	UPL	Petrie	COPvir			Endemic
<i>Coprosma X cunninghamii</i>	FACW	Hook.f.	COPxcu			Endemic
<i>Cordyline australis</i>	FACW	(G.Forst.) Endl.	CORaus		Cabbage tree, ti kouka	Endemic
<i>Cordyline banksii</i>	UPL	Hook.f.	CORban		Forest cabbage tree	Endemic
<i>Coriaria arborea</i>	UPL	Linds.	CORarb		Tree tutu	Endemic
<i>Corokia cotoneaster</i>	UPL	Raoul	CORcot			Endemic
<i>Corokia macrocarpa</i>	FACU	Kirk	CORmcc			Endemic
<i>Cortaderia selloana</i>	FAC	(Schult. & Schult.f.) Asch. & Graebn.	CORsel		Pampas	Exotic
<i>Corunastylis nuda</i>	FAC	(Hook.f.) D.L.Jones & M.A.Clem.	CORnud	<i>Prasophyllum nudum</i>		Non-endemic
<i>Cotula coronopifolia</i>	FACW	L.	COTcor		Yellow buttons	Non-endemic
<i>Crassula helmsii</i>	FACW	(Kirk) Cockayne	CRAhel	<i>Tillaea helmsii</i>		Endemic
<i>Crassula kirkii</i>	FAC	(Allan) A.P.Druce & D.R.Given	CRAkir	<i>Tillaea kirkii</i>		Endemic
<i>Crassula moschata</i>	FAC	G.Forst.	CRAmos	<i>Tillaea moschat</i>		Non-endemic
<i>Crassula multicaulis</i>	FACW	(Petrie) A.P.Druce & D.R.Given	CRAmul	<i>Tillaea multicaulis</i>		Endemic
<i>Crassula peduncularis</i>	FACW	(Sm.) F.Meigen	CRAped	<i>Tillaea purpurata</i>		Non-endemic
<i>Crassula ruamahanga</i>	FACW	A.P.Druce	CRAhun	<i>Tillaea acutifolia</i> , <i>Tillaea pusilla</i> , <i>Crassula hunua</i>		Endemic
<i>Crassula sinclairii</i>	OBL	(Hook.f.) A.P.Druce & Given	CRAsin	<i>Tillaea sinclairii</i>		Endemic
<i>Crepis capillaris</i>	FACU	(L.) Wallr.	CREcap		Hawksbeard	Exotic
<i>Cryptostylis subulata</i>	OBL	(Labill.) Rchb.f.	CRYsub		Duck orchid	Non-endemic
<i>Ctenopteris heterophylla</i>	UPL	(Labill.) Tindale	CTEhet			Non-endemic
<i>Cyathea cunninghamii</i>	FACU	Hook.f. in Hook.	CYAcun		Gully treefern	Non-endemic
<i>Cyathea dealbata</i>	UPL	(G.Forst.) Sw.	CYAdea		Ponga, silver fern	Endemic
<i>Cyathea medullaris</i>	FACU	(G.Forst.) Sw.	CYAmcd		Mamaku	Non-endemic
<i>Cyclosorus interruptus</i>	FACW	(Willd.) H.Itô	CYCint	<i>Thelypteris gongylodes</i>		Non-endemic

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<i>Cynosurus cristatus</i>	UPL	L.	CYNcri		Crested dogstail	Exotic
<i>Cyperus alternifolius</i> <i>subsp. flabelliformis</i>	FACW	Kük.	CYPinv	<i>Cyperus involucratus</i>		Exotic
<i>Cyperus congestus</i>	FAC	Vahl	CYPcon		Purple umbrella sedge	Exotic
<i>Cyperus eragrostis</i>	FACW	Lam.	CYPera		Umbrella sedge	Exotic
<i>Cyperus papyrus</i>	OBL	L.	CYPpap		Papyrus	Exotic
<i>Cyperus ustulatus</i>	FACW	A.Rich.	CYPust		Giant umbrella sedge, Upoko-a-tangata	Endemic
<i>Cytisus scoparius</i>	UPL	(L.) Link	CYTSCO		Broom	Exotic
<i>Dacrycarpus dacrydioides</i>	FACW	(A. Rich.) Laub.	DACdac		Kahikatea, white pine	Endemic
<i>Dacrydium cupressinum</i>	FACU	Lamb.	DACCup		Rimu, red pine	Endemic
<i>Dactylis glomerata</i>	FACU	L.	DACglo		Cocksfoot	Exotic
<i>Deparia petersenii</i>	FAC	(Kunze) M.Kato	DEPpet			Non-endemic
<i>Deschampsia cespitosa</i>	FACW	(L.) P.Beauv.	DESCes		Tufted hair grass	Non-endemic
<i>Deschampsia chapmanii</i>	FACW	Petrie	DEScha	<i>Deschampsia novae-zelandiae</i>		Endemic
<i>Deyeuxia avenoides</i>	UPL	(Hook.f.) Buchanan	DEYave		Mountain oat grass	Endemic
<i>Deyeuxia quadrisetata</i>	FAC	(Labill.) Benth	DEYqua			Non-endemic
<i>Dianella haemata</i>	FACW	Heenan & de Lange	DIHAhae			Endemic
<i>Dianella nigra</i>	UPL	Colenso	DIAnig		Inkberry	Endemic
<i>Dichondra brevifolia</i>	FAC	Buchanan	DICbre			Non-endemic
<i>Dichondra micrantha</i>	FACU	Urb.	DICmic		Mercury Bay weed	Exotic
<i>Dicksonia fibrosa</i>	UPL	Colenso	DICfib		Wheki-ponga	Endemic
<i>Dicksonia squarrosa</i>	FACU	(G.Forst.) Sw.	DICsqu		Wheki	Endemic
<i>Dicranopteris linearis</i>	FACU	(Burm.f.) Underw.	DIClin	<i>Gleichenia linearis</i>		Non-endemic
<i>Digitalis purpurea</i>	UPL	L.	DIGpur		Foxglove	Exotic
<i>Discaria toumatou</i>	UPL	Raoul	DIStou		Matagouri	Endemic
<i>Donatia novae-zelandiae</i>	OBL	Hook.f.	DONnov			Non-endemic
<i>Dracophyllum arboreum</i>	FACW	Cockayne	DRAarb			Endemic
<i>Dracophyllum lessonianum</i>	FAC	A.Rich.	DRAles			Endemic

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<i>Dracophyllum longifolium</i>	FACU	(J.R.Forst. & G.Forst.) R.Br.	DRAlon		Inanga	Endemic
<i>Dracophyllum oliveri</i>	FACW	Du Rietz	DRAoli			Endemic
<i>Dracophyllum palustre</i>	OBL	Cockayne ex W.R.B.Oliv.	DRApal			Endemic
<i>Dracophyllum politum</i>	FACW	(Cheeseman) Cockayne	DRApol			Endemic
<i>Dracophyllum prostratum</i>	FACW	Kirk	DRApro			Endemic
<i>Dracophyllum scoparium</i>	OBL	Hook.f.	DRAsco			Endemic
<i>Dracophyllum subulatum</i>	FAC	Hook.f.	SRASub		Monoao	Endemic
<i>Drosera arcturi</i>	OBL	Hook.	DROARC			Non-endemic
<i>Drosera auriculata</i>	FAC	Backh. ex Planch.	DROaur	<i>Drosera peltata subsp. auriculata</i>		Non-endemic
<i>Drosera binata</i>	OBL	Labill.	DRObin		Forked sundew	Non-endemic
<i>Drosera pygmaea</i>	FACW	DC.	DROpyg			Non-endemic
<i>Drosera spathulata</i>	FACW	Labill.	DROspa			Non-endemic
<i>Drosera stenopetala</i>	OBL	Hook.f.	DROste			Endemic
<i>Egeria densa</i>	OBL	Planch.	EGEden		Egeria	Exotic
<i>Eichhornia crassipes</i>	OBL	(Mart.) Solms			Water hyacinth	Exotic
<i>Elatine gratioloides</i>	OBL	A.Cunn.	ELAgra			Non-endemic
<i>Eleocharis acuta</i>	OBL	R.Br.	ELEacu		Sharp spike-sedge	Non-endemic
<i>Eleocharis gracilis</i>	OBL	R.Br.	ELEgra		Slender spike-sedge	Non-endemic
<i>Eleocharis neozelandica</i>	OBL	C.B.Clarke ex Kirk	ELEnov			Endemic
<i>Eleocharis pusilla</i>	OBL	R.Br.	ELEpus			Endemic
<i>Eleocharis sphacelata</i>	OBL	R.Br.	ELEsph		Tall spike sedge	Non-endemic
<i>Elodea canadensis</i>	OBL	Michx.	ELOcan		Canadian pondweed	Exotic
<i>Empodisma minus</i>	OBL	(Hook.f.) L.A.S.Johnson & D.F.Cutler	EMPmin	<i>Calorophus minor</i>	Wire rush	Non-endemic
<i>Empodisma robustum</i>	OBL	Wagstaff & B.R.Clarkson	EMProb	<i>Empodisma minus</i> north of 38°S	Wire rush	Endemic

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<i>Epacris pauciflora</i>	FACW	A.Rich.	EPApau		Tamingi	Endemic
<i>Epilobium alsinoides</i>	FACU	A.Cunn.	EPIals			Endemic
<i>Epilobium alsinoides</i> <i>subsp. atriplicifolium</i>	FACU	(A.Cunn.) P.H.Raven & Engelhorn		<i>Epilobium atriplicifolium</i>		Non- endemic
<i>Epilobium angustum</i>	OBL	(Cheeseman) P.H.Raven & Engelhorn	EPIang			Endemic
<i>Epilobium</i> <i>billardioreanum</i>	FACW	(Ser.) DC.	EPIbil			Non- endemic
<i>Epilobium</i> <i>billardioreanum subsp.</i> <i>cinereum</i>	UPL	(A.Rich.) P.H.Raven & Engelhorn	EPIbsc	<i>Epilobium</i> <i>cinereum</i>		Non- endemic
<i>Epilobium brunnescens</i>	FACW	(Cockayne) P.H.Raven & Engelhorn	EPIbru			Endemic
<i>Epilobium chionanthum</i>	OBL	Hauskn.	EPIchi			Endemic
<i>Epilobium ciliatum</i>	FAC	Raf.	EPIcil			Exotic
<i>Epilobium gunnianum</i>	OBL	Hauskn.	EPIgun			Non- endemic
<i>Epilobium hirtigerum</i>	FAC	A.Cunn.	EPIhir			Non- endemic
<i>Epilobium insulare</i>	OBL	Hauskn.	EPIins			Endemic
<i>Epilobium</i> <i>komarovianum</i>	FACW	H.Lév.	EPIkom			Non- endemic
<i>Epilobium macropus</i>	OBL	Hook.	EPImac			Endemic
<i>Epilobium matthewsii</i>	FAC	Petrie	EPImat			Endemic
<i>Epilobium nerteroides</i>	FAC	A.Cunn.	EPIner			Endemic
<i>Epilobium obscurum</i>	FACW	Schreb.	EPIobs			Exotic
<i>Epilobium pallidiflorum</i>	OBL	A.Cunn.	EPIpal			Non- endemic
<i>Epilobium parviflorum</i>	OBL	Schreb.				Exotic
<i>Epilobium pernitens</i>	FACW	Cockayne & Allan	EPIper			Endemic
<i>Epilobium tetragonum</i>	FACW	L.	EPItet			Exotic
<i>Equisetum arvense</i>	FACU	L.	EQUarv		Field horsetail	Exotic
<i>Erechtites hieraciifolia</i>	FAC	(L.) DC.	ERLhie		American fireweed	Exotic
<i>Erica lusitanica</i>	FACU	Rudolphi	ERLlus		Spanish heath	Exotic
<i>Eryngium vesiculosum</i>	FAC	Labill.	ERYves		Sea holly	Non- endemic
<i>Erythranthe guttata</i>	OBL	(Fisch. ex DC.) G.L.Nesom	MIMgut	<i>Mimulus</i> <i>guttatus</i>	Monkey musk	Exotic

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<i>Euchiton audax</i>	FACU	(D.G.Drury) Holub	EUCaud	<i>Gnaphalium audax</i>		Endemic
<i>Euchiton delicatus</i>	FAC	(D.G.Drury) Holub	EUCdel	<i>Gnaphalium delicatum</i>		Non-endemic
<i>Euchiton ensifer</i>	FACW	(D.G.Drury) Holub	EUCens	<i>Gnaphalium ensifer</i>		Endemic
<i>Euchiton involucratus</i>	FAC	(D.G.Drury) Holub	EUCinv	<i>Gnaphalium involucratum</i>		Non-endemic
<i>Euchiton lateralis</i>	FACW	(C.J.Webb) Breitw. & J.M.Ward	EUClat	<i>Gnaphalium laterale</i>		Non-endemic
<i>Euchiton limosus</i>	FAC	(D.G.Drury) Holub	EUClim	<i>Gnaphalium limosum</i>		Endemic
<i>Euchiton paludosus</i>	FACW	(Petrie) Holub	EUCpal	<i>Gnaphalium paludosum</i>		Endemic
<i>Euchiton polylepis</i>	FACW	(D.G.Drury) Breitw. & J.M.Ward	EUCpol	<i>Gnaphalium polylepis</i>		Endemic
<i>Euchiton ruahenicus</i>	FACU	(D.G.Drury) Breitw. & J.M.Ward	EUCrua	<i>Gnaphalium ruahenicum</i>		Endemic
<i>Euchiton traversii</i>	FAC	(Hook.f.) Holub	EUltra	<i>Gnaphalium traversii</i>		Non-endemic
<i>Euphrasia cuneata</i>	UPL	G.Forst.	EUPcun			Endemic
<i>Euphrasia disperma</i>	OBL	Hook.f.	EUPdis			Endemic
<i>Euphrasia dyeri</i>	OBL	Wettst.	EUPdye			Endemic
<i>Euphrasia repens</i>	OBL	Hook.f.	EUPrep			Endemic
<i>Euphrasia revoluta</i>	FAC	Hook.f.	EUPrev			Endemic
<i>Euphrasia wettsteiniana</i>	OBL	Du Rietz				Endemic
<i>Euphrasia zelandica</i>	FAC	Wettst.	EUPzel			Endemic
<i>Festuca novae-zelandiae</i>	UPL	(Hack.) Cockayne	FESnov		Hard tussock	Endemic
<i>Festuca rubra</i>	FACU	L.	FESrub		Chewing's fescue	Exotic
<i>Ficinia nodosa</i>	FACU	(Rottb.) Goetgh., Muasya & D.A.Simpson	FICnod	<i>Scirpus nodosus</i>	Knobby clubrush	Non-endemic
<i>Forstera sedifolia</i>	FACU	G.Forst.	FORsed			Endemic
<i>Forstera tenella</i>	FAC	Hook.f.	FORten			Endemic
<i>Freycinetia baueriana</i>	FACU	Endl.	FREbau	<i>Freycinetia banksii</i>	Kiekie	Non-endemic
<i>Fuchsia excorticata</i>	FACU	(J.R.Forst. Et G.Forst.) L.f.	FUCexc		Kotukutuku, tree fuchsia	Endemic
<i>Fuchsia perscandens</i>	FACU	Cockayne et Allan	FUCper		Fuchsia	Endemic
<i>Fuchsia procumbens</i>	FACU	A.Cunn.	FUCpro		Creeping fuchsia	Endemic
<i>Gahnia procera</i>	FACU	J.R.Forst. & G.Forst.	GAHpro			Endemic

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<i>Gahnia rigida</i>	FACW	Kirk	GAHrig			Endemic
<i>Gahnia xanthocarpa</i>	FAC	(Hook.f.) Hook.f.	GAHxan		Kauri grass	Endemic
<i>Gaimardia setacea</i>	OBL	Hook.f.	GAHSset			Non-endemic
<i>Galium aff. perpusillum</i> (CHR 476063; Kaitorete)	OBL					Endemic
<i>Galium palustre</i>	OBL	L.	GALpal		Marsh bedstraw	Exotic
<i>Galium perpusillum</i>	FACU	(Hook.f.) Allan	GALper			Endemic
<i>Galium propinquum</i>	FACU	A.Cunn.	GALpro		Mawe	Non-endemic
<i>Galium trilobum</i>	FACU	Colenso	GALtri	<i>Galium tenuicaule</i>		Endemic
<i>Gamochaeta coarctata</i>	FACU	(Willd.) Kerg.	GAMcoa	<i>Gnaphalium spicatum</i>		Exotic
<i>Gaultheria depressa</i> var. <i>depressa</i>	FACU	Hook.f.	GAUdvd		Mountain snowberry	Non-endemic
<i>Gaultheria depressa</i> var. <i>novae-zealandiae</i>	FACU	D.A.Franklin	GAUdvn			Endemic
<i>Gaultheria macrostigma</i>	FACU	(Colenso) D.J.Middleton	GAUmac	<i>Pernettya macrostigma</i>		Endemic
<i>Gaultheria nubicola</i>	FAC	D.J. Middleton	GAUnub	<i>Pernettya alpina</i>		Endemic
<i>Gaultheria parvula</i>	FAC	D.J.Middleton	GAUpar			Endemic
<i>Geniostoma rupestre</i> var. <i>ligustrifolium</i>	FACU	(A.Cunn.) B.J.Conn	GENrup	<i>Geniostoma ligustrifolium</i>	Hangehange	Non-endemic
<i>Gentianella amabilis</i>	OBL	(Petrie) Glenny	GNTama	<i>Gentiana amabilis</i>		Endemic
<i>Gentianella bellidifolia</i>	FACU	(Hook.f.) Holub	GNTbel	<i>Gentiana bellidifolia</i>		Endemic
<i>Gentianella chathamica</i>	FAC	(Cheeseman) T.N.Ho & S.W.Liu	GNTcha	<i>Gentiana chathamica</i>		Endemic
<i>Gentianella gracilifolia</i>	FAC	(Cheeseman) T.N.Ho & S.W.Liu	GNTgra	<i>Gentiana gracilifolia</i>		Endemic
<i>Gentianella grisebachii</i>	FACW	(Hook.f.) T.N.Ho	GNTgri	<i>Gentiana grisebachii</i>		Endemic
<i>Gentianella lineata</i>	FACW	(Kirk) T.N.Ho & S.W.Liu	GNTlin	<i>Gentiana lineata</i>		Endemic
<i>Gentianella montana</i>	FACW	(G.Forst.) Holub	GNTmon	<i>Gentiana townsonii</i> , <i>Gentiana montana</i>		Endemic
<i>Gentianella saxosa</i>	UPL	(G.Forst.) Holub	GNTsax	<i>Gentiana saxosa</i>		Endemic
<i>Gentianella spenceri</i>	FACU	(Kirk) T.N.Ho & S.W.Liu	GNTspe	<i>Gentiana spenceri</i>		Endemic

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<i>Geranium brevicaule</i>	FACU	Hook.f.	GERbre	<i>Geranium sessiliflorum</i>		Non-endemic
<i>Geranium microphyllum</i>	FACU	Hook.f.	GERmic			Endemic
<i>Gingidia trifoliolata</i>	FAC	(Hook.f.) J.W.Dawson	GINtri	<i>Angelica trifoliolata</i>		Endemic
<i>Gleichenia alpina</i>	FACW	R. Br.	GLEalp	<i>Gleichenia dicarpa</i> var. <i>alpina</i>	Alpine tangle fern	Non-endemic
<i>Gleichenia dicarpa</i>	FACW	R.Br.	GLEdic	<i>Gleichenia circinnata</i>	Tangle fern	Non-endemic
<i>Gleichenia microphylla</i>	FAC	R.Br.	GLEmic		Carrier tangle fern	Non-endemic
<i>Glossostigma cleistanthum</i>	OBL	W.R.Barker				Non-endemic
<i>Glossostigma diandrum</i>	OBL	(L.) Kuntze		<i>Glossostigma submersum</i>		Endemic
<i>Glossostigma elatinoides</i>	OBL	Benth. ex Hook.f.	GLOela			Non-endemic
<i>Glyceria declinata</i>	OBL	Bréb.	GLYdec		Glaucous sweetgrass	Exotic
<i>Glyceria fluitans</i>	OBL	(L.) R.Br.	GLYflu		Floating sweetgrass	Exotic
<i>Glyceria maxima</i>	OBL	(Hartm.) Holmb.	GLYmax		Reed sweetgrass	Exotic
<i>Glyceria plicata</i>	OBL	(Fr.) Fr.	GLYpli			Exotic
<i>Gonocarpus aggregatus</i>	FACU	(Buchanan) Orchard	GONagg	<i>Haloragis depressa</i>		Endemic
<i>Gonocarpus micranthus</i>	FAC	Thunb.	GONmic	<i>Haloragis micrantha</i>		Non-endemic
<i>Gratiola concinna</i>	FACW	Colenso	GRAnan	<i>Gratiola nana</i>		Non-endemic
<i>Gratiola pedunculata</i>	FACW	R.Br.				Non-endemic
<i>Gratiola sexdentata</i>	OBL	R.Cunn. ex A.Cunn.	GRAsex			Non-endemic
<i>Griselinia littoralis</i>	UPL	Raoul	GRlilit		Broadleaf	Endemic
<i>Gunnera densiflora</i>	FACW	Hook.f.				Endemic
<i>Gunnera dentata</i>	FACW	Kirk	GUNden	<i>Gunnera arenaria</i>		Endemic
<i>Gunnera monoica</i>	FAC	Raoul	GUNmon	<i>Gunnera albocarpa</i> , <i>G. strigosa</i> , <i>G. × mixta</i>		Endemic
<i>Gunnera prorepens</i>	FACW	Hook.f.	GUNpro	<i>Gunnera flavida</i>		Endemic
<i>Gunnera tinctoria</i>	FAC	(Molina) Mirb.			Chilean rhubarb	Exotic
<i>Hakea gibbosa</i>	FACU	Cav.	HAKgib			Exotic

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<i>Hakea sericea</i>	FACU	Schrad. & J.C.Wendl.	HAKser		Prickly hakea	Exotic
<i>Halocarpus bidwillii</i>	FAC	(Kirk) Quinn	HALbid	<i>Dacrydium bidwillii</i>	Bog pine	Endemic
<i>Halocarpus biformis</i>	FAC	(Hook.) Quinn	HALbif	<i>Dacrydium biforme</i>	Pink pine	Endemic
<i>Haloragis erecta</i>	FACU	(Murray) Oken	HALere			Endemic
<i>Hebe paludosa</i>	FACW	(Cockayne)D.A.Norton et de Lange		<i>Hebe salicifolia var. paludosa</i>		Endemic
<i>Hebe pauciramosa</i>	FAC	(Cockayne & Allan) L.B.Moore	HEBpau			Endemic
<i>Hebe salicifolia</i>	UPL	(G.Forst.) Pennell	HEBsal		Koromiko	Non-endemic
<i>Hebe stricta</i>	FACU	(Benth.) L.B.Moore	HEBstr		Koromiko	Endemic
<i>Hebe stricta var. egmontiana</i>	FACU	L.B.Moore	HEBegm			Endemic
<i>Hedycarya arborea</i>	UPL	J.R.Forst. & G.Forst.	HEDarb		Pigeonwood	Endemic
<i>Helichrysum filicaule</i>	FACU	Hook.f.	HELfil			Endemic
<i>Herpolirion novae-zelandiae</i>	FAC	Hook.f.	HERnov		Grass lily	Non-endemic
<i>Hesperantha coccinea</i>	FACW	(Backh.&Harv.) Goldblatt & J.C.Manning		<i>Schizostylis coccinea</i>	Kaffir lily	Exotic
<i>Hibiscus diversifolius</i>	FACU	Jacq.	HIBdiv			Non-endemic
<i>Hieracium lepidulum</i>	UPL	(Stenstr.) Omang	HIElep		Tussock hawkweed	Exotic
<i>Hierochloa equisetata</i>	FAC	Zotov	HIEequ			Endemic
<i>Hierochloa redolens</i>	FAC	(Vahl) Roem. & Schult.	HIERed		Karetu	Non-endemic
<i>Histiopteris incisa</i>	FAC	(Thunb.) J.Sm.	HISinc		Water fern	Non-endemic
<i>Hoheria angustifolia</i>	FAC	Raoul	HOHang		Narrow-leaved lacebark	Endemic
<i>Holcus lanatus</i>	FAC	L.	HOLlan		Yorkshire fog	Exotic
<i>Huperzia australiana</i>	FACW	(Herter) Holub	HUPaus	<i>Lycopodium australianum</i>	Fir clubmoss	Non-endemic
<i>Huperzia varia</i>	UPL	(R.Br.) Trevis.	HUPvar	<i>Lycopodium varium</i>		Non-endemic
<i>Hydrocleys nymphoides</i>	OBL	(Humb. & Bonpl.) Buchenau	HYDnym		Water poppy	Exotic
<i>Hydrocotyle dissecta</i>	FACU	Hook.f.	HYDdis			Endemic
<i>Hydrocotyle heteromeria</i>	FACU	A.Rich.	HydHet	<i>Hydrocotyle americana</i>		Endemic

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<i>Hydrocotyle hydrophila</i>	OBL	Petrie	HYDhyd			Endemic
<i>Hydrocotyle microphylla</i>	FAC	A.Cunn.	HYDmic			Endemic
<i>Hydrocotyle novae-zeelandiae</i>	FAC	DC.	HYDnov			Endemic
<i>Hydrocotyle pterocarpa</i>	OBL	F.Muell.	HYDpte			Non-endemic
<i>Hydrocotyle sulcata</i>	FACW	C.J.Webb & P.N.Johnson	HYDsul	<i>Hydrocotyle tripartita</i>		Endemic
<i>Hymenophyllum demissum</i>	UPL	(G.Forst.) Sw.	HYMdem			Endemic
<i>Hymenophyllum dilatatum</i>	UPL	(G.Forst.) Sw.	HYMdil			Endemic
<i>Hymenophyllum multifidum</i>	UPL	(G.Forst.) Sw.	HYMmul			Endemic
<i>Hymenophyllum scabrum</i>	UPL	A.Rich.	HYMsca			Endemic
<i>Hypericum humifusum</i>	FAC	L.	HYPhum		Trailing St John's wort	Exotic
<i>Hypericum minutiflorum</i>	FACW	Heenan				Endemic
<i>Hypericum mutilum</i>	FACW	L.	HYPmut			Exotic
<i>Hypericum perforatum</i>	UPL	L.	HYPper		St John's wort	Exotic
<i>Hypericum pusillum</i>	OBL	Choisy	HYPjap	<i>Hypericum japonicum</i>		Non-endemic
<i>Hypericum rubicundulum</i>	OBL	Heenan				Endemic
<i>Hypericum tetrapterum</i>	FACW	Fr.	HYPtet			Exotic
<i>Hypochaeris radicata</i>	FACU	L.	HYPrad		Catsear	Exotic
<i>Hypolepis ambigua</i>	UPL	(A.Rich.) Brownsey & Chinnock	HYPamb			Endemic
<i>Hypolepis dicksonioides</i>	FACU	(Endl.) Hook.	HYPdic		Giant hypolepis	Non-endemic
<i>Hypolepis distans</i>	FAC	Hook.	HYPdis			Non-endemic
<i>Ileostylus micranthus</i>	UPL	(Hook.f.) Tiegh.	ILEmic	<i>Loranthus micranthus</i>		Endemic
<i>Iphigenia novae-zeelandiae</i>	FAC	(Hook.f.) Baker	IPHnov			Endemic
<i>Iris pseudacorus</i>	OBL	L.	IRIipse		Yellow flag	Exotic
<i>Isachne globosa</i>	OBL	(Thunb.) Kuntze	ISAglo	<i>Isachne australis</i>	Swamp millet	Non-endemic
<i>Isoetes alpina</i>	OBL	Kirk				Endemic
<i>Isoetes kirkii</i>	OBL	A.Braun	ISOkir		Quillwort	Endemic

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<i>Isolepis aucklandica</i>	OBL	Hook.f.	ISOauc	<i>Scirpus aucklandicus</i>		Non-endemic
<i>Isolepis australiensis</i>	FACW	(Maiden & Betche) K.L.Wilson		<i>scirpus australiensis</i>		Exotic
<i>Isolepis basilaris</i>	OBL	Hook.f.	ISObas	<i>Scirpus basilaris</i>		Endemic
<i>Isolepis caligenis</i>	OBL	(V.J.Cook) Soják	ISOcal	<i>Scirpus caligenis</i>		Endemic
<i>Isolepis cernua</i>	OBL	(Vahl) Roem. & Schult.	ISOcer	<i>Scirpus cernuus</i>		Non-endemic
<i>Isolepis cernua</i> var. <i>platycarpa</i>	FACW	(S.T.Blake) Soják		<i>Isolepis platycarpa</i>		Exotic
<i>Isolepis crassiuscula</i>	OBL	Hook.f.	ISOcra	<i>Scirpus crassiusculus</i>		Non-endemic
<i>Isolepis distigmatosa</i>	OBL	(C.B.Clarke) Edgar	ISOdis	<i>Scirpus sulcatus</i> var. <i>distigmatosus</i>		Endemic
<i>Isolepis fluitans</i>	OBL	(L.) R.Br.	ISOflu	<i>Scirpus fluitans</i>		Non-endemic
<i>Isolepis habra</i>	FACW	(Edgar) Soják	ISOhab	<i>Scirpus habrus</i>		Non-endemic
<i>Isolepis inundata</i>	OBL	R.Br.	ISOinu	<i>Scirpus inundatus</i>		Non-endemic
<i>Isolepis levynsiana</i>	FAC	Muasya & D.A.Simpson	CYPten	<i>Cyperus tenellus</i>		Exotic
<i>Isolepis marginata</i>	FAC	(Thunb.) A.Dietr.	ISOmar	<i>Scirpus antarcticus</i>		Exotic
<i>Isolepis pottsii</i>	FAC	(V.J.Cook) Soják	Ispot	<i>Scirpus pottsii</i>		Endemic
<i>Isolepis praetextata</i>	FAC	(Edgar) Soják	ISOpra	<i>Scirpus praetextatus</i>		Endemic
<i>Isolepis prolifera</i>	OBL	(Rottb.) R.Br.	ISOpro	<i>Scirpus prolifer</i> , <i>Isolepis globosa</i>		Non-endemic
<i>Isolepis reticularis</i>	FACW	Colenso	ISOret	<i>Scirpus reticularis</i>		Endemic
<i>Isolepis sepulcralis</i>	FAC	Steud.	ISOsep	<i>Scirpus chlorostachyus</i>		Exotic
<i>Isolepis setacea</i>	FACW	(L.) R.Br.	ISOset	<i>Scirpus setaceus</i>		Exotic
<i>Isolepis subtilissima</i>	FACW	Boeck.	ISOsub	<i>Scirpus subtilissimus</i>		Non-endemic
<i>Isotoma fluviatilis</i>	FACW	(R.Br.) F.Muell. ex Benth.	ISTflu			Non-endemic
<i>Jacobaea aquatica</i>	FACW	(Rill) P. Gaertn., B. Mey. et Scherb.	JACaqu	<i>Senecio aquaticus</i>		Exotic
<i>Jacobaea vulgaris</i>	FACU	Gaertn.	SENjac	<i>Senecio jacobaea</i>	Ragwort	Exotic

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<i>Juncus acuminatus</i>	OBL	Michx.	JUNacu		Sharp-fruited rush	Exotic
<i>Juncus acutiflorus</i>	FACW	Ehrh. ex Hoffm.	JUNact		Sharp-flowered rush	Exotic
<i>Juncus acutus</i>	FACW	L.			Sharp rush	Exotic
<i>Juncus amabilis</i>	FACU	Edgar	JUNama			Exotic
<i>Juncus antarcticus</i>	OBL	Hook.f.	JUNant			Non-endemic
<i>Juncus articulatus</i>	FACW	L.	JUNart		Jointed rush	Exotic
<i>Juncus australis</i>	FACW	Hook.f.	JUNaus			Non-endemic
<i>Juncus brachycarpus</i>	FACW	Engelm.	JUNbra			Exotic
<i>Juncus bufonius</i>	FACW	L.	JUNnbuf		Toad rush	Exotic
<i>Juncus bulbosus</i>	OBL	L.	JUNbul		Bulbous rush	Exotic
<i>Juncus caespiticus</i>	OBL	E.Mey.	JUNcae			Non-endemic
<i>Juncus canadensis</i>	OBL	J.Gay	JUNcan			Exotic
<i>Juncus conglomeratus</i>	FACW	L.	JUNcon			Exotic
<i>Juncus dichotomus</i>	FACW	Elliott	JUNdic			Exotic
<i>Juncus distegus</i>	FACW	Edgar	JUNdis			Endemic
<i>Juncus dregeanus</i>	DELETED	Kunth	JUNdre			Exotic
<i>Juncus edgariae</i>	FACW	L.A.S.Johnson & K.L.Wilson	JUNedg	<i>Juncus gregiflorus</i>		Endemic
<i>Juncus effusus</i>	FACW	L.	JUNeff		Soft rush	Exotic
<i>Juncus effusus</i> var. <i>compactus</i>	OBL	Lej. & Courtois	JUNevc			Exotic
<i>Juncus ensifolius</i>	FACW	Wikstr.	JUNens			Exotic
<i>Juncus filicaulis</i>	FAC	Buchenau	JUNfil			Exotic
<i>Juncus flavidus</i>	FAC	L.A.S.Johnson	JUNfla			Exotic
<i>Juncus fockei</i>	OBL	Buchenau	JUNfoc			Exotic
<i>Juncus gerardii</i>	FACW	Loisel.	JUNger		Saltmarsh rush	Exotic
<i>Juncus holoschoenus</i>	OBL	R.Br.	JUNhol			Non-endemic
<i>Juncus inflexus</i>	FACW	L.	JUNinf		Hard rush	Exotic
<i>Juncus kraussii</i> subsp. <i>australiensis</i>	FACW	(Buchenau) Snogerup	JUNksa	<i>Juncus maritimus</i> var. <i>australiensis</i>	Sea rush	Non-endemic
<i>Juncus lomatophyllus</i>	FACW	Spreng.	JUNlom			Exotic
<i>Juncus microcephalus</i>	FACW	Kunth	JUNmic			Exotic

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<i>Juncus novae-zelandiae</i>	FACW	Hook.f.	JUNnov			Endemic
<i>Juncus pallidus</i>	FACW	R.Br.	JUNpal			Non-endemic
<i>Juncus pauciflorus</i>	FACW	R.Br.	JUNpau			Non-endemic
<i>Juncus planifolius</i>	FACW	R.Br.	JUNpla			Non-endemic
<i>Juncus prismatocarpus</i>	FACW	R.Br.	JUNpri			Non-endemic
<i>Juncus procerus</i>	FACW	E.Mey.	JUNpro			Exotic
<i>Juncus pusillus</i>	OBL	Buchenau	JUNpus			Non-endemic
<i>Juncus sarophorus</i>	FACW	L.A.S.Johnson	JUNsar			Non-endemic
<i>Juncus scheuchzerioides</i>	OBL	Gaudich.	JUNsch			Non-endemic
<i>Juncus sonderianus</i>	FACW	Buchenau	JUNson			Exotic
<i>Juncus squarrosus</i>	FACW	L.	JUNsqu		Heath rush	Exotic
<i>Juncus subnodulosus</i>	FACW	Schrank	JUNsub			Exotic
<i>Juncus tenuis</i>	FACU	Willd.	JUNten		Track rush	Exotic
<i>Juncus tenuis</i> subsp. <i>anthelatus</i>	FAC	(Wiegand) F.Verloove & J.Lambinon				Exotic
<i>Juncus usitatus</i>	FACW	L.A.S.Johnson	JUNusi			Non-endemic
<i>Knightia excelsa</i>	UPL	R.Br.	KNlexc		Rewarewa	Endemic
<i>Kyllinga brevifolia</i>	FAC	Rottb.	CYPbre	<i>Cyperus brevifolius</i>	Globe sedge	Exotic
<i>Lachnagrostis filiformis</i>	FACW	(G.Forst.) Trin.	LACfil		Wind grass	Non-endemic
<i>Lachnagrostis lyallii</i>	FACU	(Hook.f.) Zotov		<i>Lachnagrostis filiformis</i> var. <i>semiglabra</i>		Endemic
<i>Lagarosiphon major</i>	OBL	(Ridl.) Moss ex Wager	LAGmaj		Lagarosiphon	Exotic
<i>Lagenifera petiolata</i>	UPL	Hook.f.	LAGpet			Endemic
<i>Lagenifera pumila</i>	UPL	(G.Forst.) Cheeseman	LAGpum			Endemic
<i>Landoltia punctata</i>	OBL	(G.Mey.) Les & D.J.Crawford	SPIpun	<i>Spirodela punctata</i> , <i>S. oligorrhiza</i>	Purple-backed duckweed	Exotic
<i>Laurelia novae-zelandiae</i>	FAC	A.Cunn.	LAUnov		Pukatea	Endemic
<i>Lemna disperma</i>	OBL	Hegelm.	LEMmin	<i>Lemna minor</i>	Duckweed	Non-endemic

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<i>Leontodon taraxacoides</i>	FAC	(Vill.) Mérat	LEOtar		Hawkbit	Exotic
<i>Lepidosperma australe</i>	FACW	(A.Rich.) Hook.f.	LEPaus		Square sedge	Endemic
<i>Lepidosperma laterale</i>	FACU	R.Br.	LEPlat			Non-endemic
<i>Lepidosperma neozelandicum</i>	FACW	(Kük.) R.L.Barrett & K.L.Wilson	LEPfil	<i>Lepidosperma filiforme</i>		Non-endemic
<i>Lepidothamnus laxifolius</i>	FAC	(Hook.f.) Quinn	LEPlax	<i>Dacrydium laxifolium</i>	Pygmy pine	Endemic
<i>Lepidothamnus intermedius</i>	FAC	(Kirk) Quinn	LEPint	<i>Dacrydium intermedium</i>	Yellow-silver pine	Endemic
<i>Lepilaena bilocularis</i>	OBL	Kirk	LEPbil			Non-endemic
<i>Leptecophylla robusta</i>	FACW	(Hook.f.) C.M.Weiller	CYArob	<i>Cyathodes robusta</i>		Endemic
<i>Leptinella dioica</i>	FACU	Hook.f.	LEPdio	<i>Cotula dioica</i>		Endemic
<i>Leptinella dispersa</i>	FACU	(D.G.Lloyd) D.G.Lloyd & C.J.Webb	LEPdis	<i>Cotula dispersa</i>		Endemic
<i>Leptinella maniototo</i>	FACW	(Petrie) D.G.Lloyd & C.J.Webb	LEPman	<i>Cotula maniototo</i>		Endemic
<i>Leptinella potentillina</i>	FAC	F.Muell.	LEPpot	<i>Cotula potentillina</i>		Endemic
<i>Leptinella squalida</i> subsp. <i>mediana</i>	FACW	(D.G.Lloyd) D.G.Lloyd & C.J.Webb	LEPmed	<i>Cotula squalida</i> subsp. <i>mediana</i>		Endemic
<i>Leptinella squalida</i> subsp. <i>squalida</i>	FACW	Hook.f.	LEPsqu	<i>Cotula squalida</i> (Hook.f.) Hook.		Endemic
<i>Leptospermum scoparium</i>	FAC	J.R.Forst. & G.Forst.	LEPsco		Mānuka	Non-endemic
<i>Leucopogon fasciculatus</i>	FACU	(G.Forst.) A.Rich.	Lufas	<i>Cyathodes fasciculata</i>	Mingimingi	Endemic
<i>Leycesteria formosa</i>	UPL	Wall.	LEYfor		Himalayan honeysuckle	Exotic
<i>Libertia peregrinans</i>	FACU	Cockayne & Allan	LIBper			Endemic
<i>Ligustrum sinense</i>	FACU	Lour.	LIGsin		Chinese privet	Exotic
<i>Lilaeopsis novae-zelandiae</i>	OBL	(Gand.) A.W.Hill	LILnov	<i>Lilaeopsis orbicularis</i>		Non-endemic
<i>Lilaeopsis ruthiana</i>	OBL	Affolter	LILrut			Non-endemic
<i>Limosella curdieana</i>	OBL	F.Muell.				Exotic
<i>Limosella lineata</i>	OBL	Glück	LIMlin			Non-endemic

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<i>Lindsaea linearis</i>	UPL	Sw.	LINlin			Non-endemic
<i>Linum catharticum</i>	FACU	L.	LINcat		Purging flax	Exotic
<i>Liparophyllum gunnii</i>	OBL	Hook.f.	LIPgun			Non-endemic
<i>Lobelia anceps</i>	FACW	L.f.	LOBanc			Non-endemic
<i>Lobelia angulata</i>	FAC	G.Forst.	LOBang		Panakenake	Endemic
<i>Lobelia arenaria</i>	FAC	(Hook.f.) Heenan & de Lange	LOBare	<i>Pratia arenaria</i>		Endemic
<i>Lobelia fatiscens</i>	OBL	Heenan		<i>Isotoma fluviatilis</i> (Australian endemic)		Endemic
<i>Lobelia ionantha</i>	OBL	Heenan	LOBion	<i>Hypsela rivalis</i>		Endemic
<i>Lobelia perpusilla</i>	FACW	Hook.f.	LOBper	<i>Pratia perpusilla</i>		Endemic
<i>Lonicera japonica</i>	FACU	Thunb.	LONjap		Japanese honeysuckle	Exotic
<i>Lotus corniculatus</i>	FACU	L.	LOTcor			Exotic
<i>Lotus pedunculatus</i>	FAC	Cav.	LOTped		Lotus	Exotic
<i>Ludwigia palustris</i>	OBL	(L.) Elliott	LUDpal		Water purslane	Exotic
<i>Ludwigia peploides subsp. montevidensis</i>	OBL	(Spreng.) P.H.Raven	LUDpep		Primrose willow	Exotic
<i>Lupinus arboreus</i>	UPL	Sims	LUParp		Tree lupin	Exotic
<i>Luzula congesta</i>	FACU	(Thuill.) Lej.	LUZcon			Exotic
<i>Luzula crinita</i>		Hook.f.	LUZcri			Non-endemic
<i>Luzula leptophylla</i>	OBL	Buchenau & Petrie	LUZlep			Endemic
<i>Luzula multiflora</i>	FACU	(Retz.) Lej.	LUZmul			Exotic
<i>Luzula picta var. limosa</i>	FAC	Edgar	LUZpvl			Endemic
<i>Luzula pumila</i>	UPL	Hook.f.	LUZpum			Endemic
<i>Lycopodiella cernua</i>	FAC	(L.) Pic.Serm.	LYCcer	<i>Lycopodium cernuum</i>		Non-endemic
<i>Lycopodiella diffusa</i>	OBL	(R.Br.) B.Øllg.	LYCdif	<i>Lycopodium ramulosum</i> , <i>Lycopodiella ramulosa</i>	Carpet clubmoss	Endemic
<i>Lycopodiella lateralis</i>	OBL	(R.Br.) B.Øllg.	LYClat	<i>Lycopodium laterale</i>		Non-endemic
<i>Lycopodiella serpentina</i>	OBL	(Kunze) B.Øllg.	LYCser	<i>Lycopodium serpentinum</i>	Bog clubmoss	Non-endemic
<i>Lycopodium fastigiatum</i>	FAC	R.Br.	LYCfas		Alpine clubmoss	Non-endemic

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<i>Lycopodium volubile</i>	FACU	G.Forst.	LYCvol		Climbing clubmoss	Non-endemic
<i>Lycopus europaeus</i>	OBL	L.	LYCeur		Gypsywort	Exotic
<i>Lythrum hyssopifolia</i>	FACW	L.	LYThys		Loosestrife	Exotic
<i>Lythrum junceum</i>	FAC	Banks & Sol.	LYTjun		Rose loosestrife	Exotic
<i>Lythrum portula</i>	OBL	(L.) D.A.Webb	LYTpor		Water purslane	Exotic
<i>Lythrum salicaria</i>	FACW	L.	LYTsal		Purple loosestrife	Exotic
<i>Machaerina arthropophylla</i>	OBL	(Nees) T.Koyama	BAUhut	<i>Baumea arthropophylla</i> , <i>B. huttonii</i>		Non-endemic
<i>Machaerina articulata</i>	OBL	(R.Br.) T.Koyama	BAUart	<i>Baumea articulata</i>	Jointed twig rish	Non-endemic
<i>Machaerina complanata</i>	FACW	(Berggr.) S.T.Blake	BAUcom	<i>Baumea complanata</i>		Endemic
<i>Machaerina juncea</i>	FACW	(R.Br.) T.Koyama	BAUjun	<i>Baumea juncea</i>		Non-endemic
<i>Machaerina rubiginosa</i>	OBL	(Spreng.) T.Koyama	BAUrub	<i>Baumea rubiginosa</i>		Non-endemic
<i>Machaerina sinclairii</i>	OBL	(Hook.f.) T.Koyama	MACsin			Non-endemic
<i>Machaerina tenax</i>	FACW	(Hook.f.) T.Koyama	BAUten	<i>Baumea tenax</i>		Endemic
<i>Machaerina teretifolia</i>	FACW	(R.Br.) T.Koyama	BAUter	<i>Baumea teretifolia</i>		Non-endemic
<i>Macropiper excelsum</i>	UPL	(G.Forst.) Miq.	MACexc		Kawakawa	Endemic
<i>Manoao colensoi</i>	FACW	(Hook.) Molloy	MANcol	<i>Lagarostrobos colensoi</i> , <i>Dacrydium colensoi</i>	Silver pine, Manoao	Endemic
<i>Marsilea mutica</i>	OBL	Mett.			Four-leafed water clover	Exotic
<i>Marsippospermum gracile</i>	FAC	(Hook.f.) Buchenau	MARgra			Endemic
<i>Mazus arenarius</i>	FACW	Heenan, P.N.Johnson, & C.J.Webb	MAZare			Endemic
<i>Mazus pumilio</i>	FACW	R.Br.	MAZpum			Non-endemic
<i>Mazus radicans</i>	FACW	(Hook.f.) Cheeseman	MAZrad			Endemic
<i>Melicytus chathamicus</i>	UPL	(F.Muell.) Garn.- Jones	MELcha			Endemic
<i>Melicytus flexuosus</i>	FACU	Molloy et A.P.Druce				Endemic

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<i>Meliccytus ramiflorus</i>	FACU	J.R.Forst. & G.Forst.	MELram		Mahoe	Non-endemic
<i>Mentha cunninghamii</i>	FACU	Benth.	MENCun		Native mint, moki	Endemic
<i>Mentha pulegium</i>	FAC	L.	MENpul		Pennyroyal	Exotic
<i>Mentha spicata</i>	FACU	L.	MENspi		Spearmint	Exotic
<i>Mentha spicata subsp. tomentosa</i>	FAC	(Briq.) Harley				Exotic
<i>Mentha suaveolens</i>	FACU	Ehrh.	MENSua		Apple mint	Exotic
<i>Mentha X piperita var. citrata</i>	FACW	(Ehrh.) Briq.			Bergamot mint	Exotic
<i>Mentha X piperita var. piperita</i>	FACW	L.	MENpvp		Peppermint	Exotic
<i>Menyanthes trifoliata</i>	OBL	L.	MENtri		Bogbean	Exotic
<i>Metrosideros excelsa</i>	UPL	Sol. ex Gaertn.	METexc		Pohutukawa	Endemic
<i>Metrosideros umbellata</i>	UPL	Cav.	METumb		Southern rata	Endemic
<i>Microlaena stipoides</i>	FACU	(Labill.) R.Br.	MICsti		Meadow rice grass	Non-endemic
<i>Microseris scapigera</i>	FAC	(Sol. ex A.Cunn.) Sch.Bip.	MICsca			Non-endemic
<i>Microsorium novae-zealandiae</i>	UPL	(Baker) Copel.	PHYnov	<i>Phymatosorus novae-zealandiae</i>		Endemic
<i>Microsorium pustulatum</i>	UPL	(G.Forst.) Copel.	MICpus	<i>Phymatosorus diversifolius</i>	Hound's tongue	Non-endemic
<i>Microsorium scandens</i>	UPL	(G.Forst.) Tindale	MICscn	<i>Phyamtosorus scandens</i>	Fragrant fern	Non-endemic
<i>Microtis oligantha</i>	FAC	L.B.Moore	MIColi			Endemic
<i>Microtis parviflora</i>	FAC	R.Br.	MICpar			Non-endemic
<i>Microtis unifolia</i>	FAC	(G.Forst.) Rchb.f.	MICuni	<i>Microtis unifolia</i>	Onion orchid	Non-endemic
<i>Mitrasacme montana var. helmsii</i>	OBL	Kirk				Endemic
<i>Mitrasacme novae-zealandiae</i>	OBL	Hook.f.	MITnov			Endemic
<i>Montia campylostigma</i>	FAC	(Heenan) Heenan				Endemic
<i>Montia fontana L. subsp. fontana</i>	OBL	L.	MONfon		Blinks	Non-endemic
<i>Montia fontana subsp. chondrosperma</i>	OBL	(Fenzl) Walters				Exotic
<i>Montia sessiliflora</i>	FACW	(G.Simpson) Heenan	MONses	<i>Claytonia australasica var. sessiliflora</i>		Endemic

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<i>Montitega dealbata</i>	FACU	(R.Br.) C.M.Weiller	CYTdea	<i>Cyathodes pumila</i> , <i>Cyathodes dealbata</i>		Endemic
<i>Muehlenbeckia australis</i>	FACU	(G.Forst.) Meisn.	MUEaus		Pohuehue	Non-endemic
<i>Muehlenbeckia complexa</i>	FACU	(A.Cunn.) Meisn.	MUEcom		Pohuehue	Non-endemic
<i>Myoporum laetum</i>	UPL	G.Forst.	MYOlae		Ngaio	Endemic
<i>Myosotis discolor</i>	FACU	Pers.	MYOdis			Exotic
<i>Myosotis laxa subsp. caespitosa</i>	OBL	(Schultz) Hyl. ex Nordh.	MYOisc	<i>Myosotis caespitosa</i>	Water forget-me-not	Exotic
<i>Myosotis scorpioides</i>	FACW	L.	MYOsc		Water forget-me-not	Exotic
<i>Myosurus minimus subsp. novae-zelandiae</i>	FACW	(W.R.B.Oliv.) Garn.-Jones	MYOnov		Mousetail	Endemic
<i>Myriophyllum aquaticum</i>	OBL	(Vell.) Verdc.	MYRaqu		Parrot's feather	Exotic
<i>Myriophyllum pedunculatum subsp. novae-zelandiae</i>	OBL	Orchard	MYRped			Endemic
<i>Myriophyllum propinquum</i>	OBL	A.Cunn.	MYRpro			Non-endemic
<i>Myriophyllum robustum</i>	OBL	Hook.f.	MYRrob			Endemic
<i>Myriophyllum triphyllum</i>	OBL	Orchard	MYRtri			Endemic
<i>Myriophyllum votschii</i>	OBL	Schindl.	MYRvot			Endemic
<i>Myrsine australis</i>	FACU	(A.Rich.) Allan	MYRaus		Mapou	Endemic
<i>Myrsine chathamica</i>	FAC	F.Muell.	MYRcha			Endemic
<i>Myrsine coxii</i>	FACW	Cockayne	MYRcox			Endemic
<i>Myrsine divaricata</i>	FAC	A.Cunn.	MYRdiv		Weeping mapou	Endemic
<i>Nasturtium microphyllum</i>	OBL	Boenn. ex Rchb.	RORmic	<i>Rorippa microphylla</i>	Water cress	Exotic
<i>Nasturtium officinale</i>	OBL	R.Br.	RORnas	<i>Rorippa nasturtium-aquaticum</i>	Water cress	Exotic
<i>Nematoceras macranthum</i>	FACW	Hook.f.	CORmac	<i>Corybas macranthus</i>		Endemic
<i>Nematoceras orbiculatum</i>	FAC	(Colenso) Molloy, D.L.Jones & M.A.Clem.	CorOrb	<i>Corybas orbiculatus</i>		Endemic
<i>Neomyrtus pedunculata</i>	FAC	(Hook.f.) Allan	NEOped		Rohutu	Endemic
<i>Nephrolepis cordifolia</i>	FAC	(L.) C.Presl	NEPcor		Erect sword fern	Exotic

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<i>Nephrolepis flexuosa</i>	FACU	Colenso			Ladder fern	Non-endemic
<i>Nerine sarniensis</i>	UPL				Guernsey lily	Exotic
<i>Nertera balfouriana</i>	FACW	Cockayne	NERbal			Endemic
<i>Nertera ciliata</i>	FAC	Kirk	NERcil			Endemic
<i>Nertera depressa</i>	FACU	Banks & Sol. ex Gaertn.	NERdep			Non-endemic
<i>Nertera scapanioides</i>	OBL	Lange	NERsca			Endemic
<i>Nertera setulosa</i>	FAC	Hook.f.	NERset			Endemic
<i>Nothofagus solandri</i> var. <i>cliffortioides</i>	FAC	(Hook.f.) Poole	NOTcli		Mountain beech	Endemic
<i>Nuphar lutea</i>	OBL	(L.) Sibth. & Sm.	NUPlut		Yellow water lily	Exotic
<i>Nymphaea alba</i>	OBL	L.	NYMalb		White water lily	Exotic
<i>Nymphaea mexicana</i>	OBL	Zucc.	NYMmex		Mexican water lily	Exotic
<i>Nymphoides geminata</i>	OBL	(R.Br.) Kuntze	NYMgem		Marshwort	Exotic
<i>Oenanthe aquatica</i>	OBL	(L.) Poir.	OENaqu		Horsebane	Exotic
<i>Oenanthe sarmentosa</i>	OBL	DC.	OENSar		American horsebane	Exotic
<i>Olearia bullata</i>	FAC	H.D.Wilson & Garn.-Jones	OLEbul			Endemic
<i>Olearia laxiflora</i>	FACW	Kirk	OLElax	<i>Olearia divaricata</i>		Endemic
<i>Olearia lineata</i>	FACU	(Kirk) Cockayne	OLElin			Endemic
<i>Olearia nummulariifolia</i>	UPL	(Hook.f.) Hook.f.	OLEnum		Coin-leaved tree daisy	Endemic
<i>Olearia semidentata</i>	OBL	Decne.	OLEsem			Endemic
<i>Olearia solandri</i>	FACW	(Hook.f.) Hook.f.	OLEsol			Endemic
<i>Olearia virgata</i>	FACU	(Hook.f.) Hook.f.	OLEvir			Endemic
<i>Ophioglossum coriaceum</i>	FAC	A.Cunn.	OPHcor		Adder's tongue	Non-endemic
<i>Ophioglossum petiolatum</i>	FACW	Hook.	OPHpet	<i>Ophioglossum pedunculatum sensu</i>	Stalked adder's tongue	Non-endemic
<i>Oplismenus hirtellus</i> subsp. <i>imbecillis</i>	FACU	(R.Br.) U. Scholz	OPLimb	<i>Oplismenus imbecillis</i>		Non-endemic
<i>Oreobolus impar</i>	OBL	Edgar	OREimp			Endemic
<i>Oreobolus pectinatus</i>	OBL	Hook.f.	OREpec		Comb sedge	Endemic
<i>Oreobolus strictus</i>	OBL	Berggr.	OREstr			Endemic
<i>Oreostyidium subulatum</i>	OBL	(Hook.f.) Berggr.	OREsub			Endemic

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<i>Ornithopus pinnatus</i>	UPL	(Mill.) Druce	ORNpin		Yellow seradella	Exotic
<i>Osmunda regalis</i>	OBL	L.	OSMreg		Royal fern	Exotic
<i>Ottelia ovalifolia</i>	OBL	(R.Br.) Rich.	OTTOVAova		Swamp lily	Exotic
<i>Ourisia modesta</i>	FACW	Diels	OURmod			Endemic
<i>Oxalis corniculata</i>	FACU	L.	OXAcor		Hornwort	Exotic
<i>Oxalis exilis</i>	FAC	A.Cunn.	OXAexi			Non-endemic
<i>Oxalis magellanica</i>	FAC	G.Forst.	OXAmag	<i>Oxalis lactea</i>		Non-endemic
<i>Oxybasis glauca subsp. ambigua</i>	FACU	(R.Br.) Mosyakin		<i>Chenopodium ambiguum</i> , <i>Chenopodium glaucum subsp. ambiguum</i>		Non-endemic
<i>Ozothamnus leptophyllus</i>	FAC	(G.Forst.) Breitw. & J.M.Ward	OZOlep	<i>Cassinia leptophylla</i> , <i>C. vauvilliersii</i>	Tauhinu	Endemic
<i>Paesia scaberula</i>	FACU	(A.Rich.) Kuhn	PAEsa		Ring fern	Endemic
<i>Parahebe canescens</i>	FACW	(A.Wall) W.R.B.Oliv.	PARcan			Endemic
<i>Parapholis incurva</i>	FACW	(L.) C.E.Hubb.	PARinc			Exotic
<i>Paraserianthes lophantha</i>	UPL	(Willd.) I.C.Nielsen	PARlop	<i>Albizia lophantha</i>	Brush wattle	Exotic
<i>Parentucellia viscosa</i>	FACU	(L.) Caruel	PARvis		Tarweed	Exotic
<i>Paspalum dilatatum</i>	FACU	Poir.	PASdil		Mercer grass	Exotic
<i>Paspalum distichum</i>	FACW	L.	PASdis	<i>Paspalum paspaloides</i>	Paspalum	Exotic
<i>Paspalum vaginatum</i>	FACW	Sw.	PASvag		Saltwater paspalum	Exotic
<i>Pastinaca sativa</i>	FACU	L.	PASSat		Wild parsnip	Exotic
<i>Pentachondra pumila</i>	FAC	(J.R.Forst. & G.Forst.) R.Br.	PENpum			Non-endemic
<i>Persicaria decipiens</i>	OBL	(R.Br.) K.L.Wilson	PERdec	<i>Polygonum decipiens</i> , <i>P. salicifolium</i>		Non-endemic
<i>Persicaria hydropiper</i>	FACW	(L.) Spach	PERhyd	<i>Polygonum hydropiper</i>	Water pepper	Exotic
<i>Persicaria lapathifolia</i>	FAC	(L.) Gray	PERlap	<i>Polygonum lapathifolium</i>		Exotic
<i>Persicaria maculosa</i>	FACW	Gray	PERmcl	<i>Polygonum persicaria</i>	Willow weed	Exotic
<i>Persicaria prostrata</i>	FACW	(R.Br.) Sojak	PERpro	<i>Polygonum prostratum</i>		Exotic
<i>Persicaria punctata</i>	FACW	(Elliott) Small	PERpun	<i>Polygonum punctatum</i>		Exotic
<i>Persicaria strigosa</i>	FACW	(R.Br.) Gross	PERstr	<i>Polygonum strigosum</i>		Exotic
<i>Phalaris aquatica</i>	FAC	L.	PHAaqu		Phalaris	Exotic

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<i>Phalaris arundinacea</i>	FACW	L.	PHAaru		Reed canary grass	Exotic
<i>Phleum pratense</i>	FACU	L.	PHLpra		Timothy	Exotic
<i>Phormium cookianum</i>	FACU	Le Jol.	PHOcoo		Mountain flax	Endemic
<i>Phormium tenax</i>	FACW	J.R.Forst. & G.Forst.	PHOten		Harakeke, flax	Endemic
<i>Phragmites australis</i>	OBL	(Cav.) Trin. ex Steud.	PHRaus		Phragmites	Exotic
<i>Phyllachne colensoi</i>	FAC	(Hook.f.) Berggr.	PHYcol			Non-endemic
<i>Phyllitis scolopendrium</i>	DELETED?	(L.) Newman	PHYsco	<i>Asplenium scolopendrium</i>	Hart's tongue	Exotic
<i>Phyllocladus alpinus</i>	FACU	(Hook.f.) Parl in DC.	PHYalp		Mountain toatoa	Endemic
<i>Phyllocladus trichomanoides</i>	FACU	D.Don	PHYtri		Tanekaha	Endemic
<i>Pilosella caespitosa</i>	UPL	(Dumort.) P.D.Sell & C.West	PIlcae	<i>Hieracium caespitosum</i>		Exotic
<i>Pilosella officinarum</i>	FACU	Vaill.	PIloff	<i>Hieracium pilosella</i>	Mouse-ear hawkweed	Exotic
<i>Pilosella piloselloides</i> (Vill.) Sojaksubsp. <i>praealta</i>	UPL	(Gochnat) S.Bräut. & Greuter	PIlpsp	<i>Hieracium praealtum</i>	King devil	Exotic
<i>Pilularia novae-hollandiae</i>	OBL	A.Braun	PIlnov		Pillwort	Non-endemic
<i>Pimelea lyallii</i>	FACU	Hook.f.	PIMlya			Endemic
<i>Pistia stratiotes</i>	OBL	L.	PISstr		Water lettuce	Exotic
<i>Pittosporum colensoi</i>	FACU	Hook.f.	PITcol			Endemic
<i>Pittosporum obcordatum</i>	FAC	Raoul	PITobc		Heart-leaved kohuhu	Endemic
<i>Pittosporum tenuifolium</i>	FACU	Sol. ex Gaertn.	PITten		Kohuhu	Endemic
<i>Plagianthus divaricatus</i>	FACW	J.R.Forst. & G.Forst.	PLAdiv		Saltmarsh ribbonwood	Endemic
<i>Plagianthus regius</i> subsp. <i>regius</i>	FACU	(Poit.) Hochr.	PLArsr		Manatu, lowland ribbonwood	Endemic
<i>Plantago australis</i>	FAC	Lam.	PLAaus		Swamp plantain	Exotic
<i>Plantago coronopus</i>	FAC	L.	PLAcor		Buck's horn plantain	Exotic
<i>Plantago lanceolata</i>	FACU	L.	PLAlan		Narrow-leaved plantain	Exotic
<i>Plantago lanigera</i>	FAC	Hook.f.	PLAlng			Non-endemic

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<i>Plantago major</i>	FACU	L.	PLAmaj		Broad-leaved plantain	Exotic
<i>Plantago novae-zelandiae</i>	FAC	L.B.Moore	PLAnov			Endemic
<i>Plantago obconica</i>	OBL	Sykes	PLAobc			Endemic
<i>Plantago raoulii</i>	FAC	Decne.	PLArao			Endemic
<i>Plantago spathulata</i>	FACU	Hook.f.	PLAspa			Endemic
<i>Plantago triandra</i>	FACW	Berggr.	PLAtri	<i>Plantago triandra</i> subsp. <i>triandra</i> , <i>P. triandra</i> subsp. <i>masoniae</i>		Endemic
<i>Plantago unibracteata</i>	OBL	Rahn	PLAuni	<i>Plantago uniflora</i>		Endemic
<i>Pneumatopteris pennigera</i>	FACU	(G.Forst.) Holttum	PNEpen	<i>Thelypteris pennigera</i>	Gully fern	Non-endemic
<i>Poa annua</i>	FACU	L.	POAann		Annual poa	Exotic
<i>Poa chathamica</i>	FAC	Petrie	POAcha			Endemic
<i>Poa cita</i>	FACU	Edgar	POAcit		Silver tussock	Endemic
<i>Poa palustris</i>	FACW	L.	POApal		Swamp poa	Exotic
<i>Poa pratensis</i>	FACU	L.	POApra		Kentucky bluegrass	Exotic
<i>Podocarpus cunninghamii</i>	FACU	Colenso	PODcun	<i>Podocarpus hallii</i>	Mountain totara, Hall's totara	Endemic
<i>Podocarpus totara</i> var. <i>totara</i>	FACU	G.Benn. Ex D.Don	PODtot		Totara	Endemic
<i>Polypogon monspeliensis</i>	FAC	(L.) Desf.	POLmon		Montpellier broom	Exotic
<i>Polystichum vestitum</i>	FACU	(G.Forst.) C.Presl	PLOves		Prickly shieldfern	Non-endemic
<i>Potamogeton cheesemanii</i>	OBL	A.Benn.	POTche		Red pondweed, manihi	Non-endemic
<i>Potamogeton crispus</i>	OBL	L.	POTcri		Curly pondweed	Exotic
<i>Potamogeton ochreatus</i>	OBL	Raoul	POToch		Blunt pondweed	Non-endemic
<i>Potamogeton suboblongus</i>	OBL	Hagstr.	POTsub		Mud pondweed, rerewai	Endemic
<i>Potentilla anglica</i>	FAC	Laichard.	POTANGang			Exotic
<i>Potentilla anserinoides</i>	FACW	Raoul	POTans		Silverweed	Endemic
<i>Potentilla reptans</i>	FAC	L.	POTrep			Exotic
<i>Prasophyllum colensoi</i>	FAC	Hook.f.	PRAcol		Leek orchid	Endemic

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<i>Prasophyllum hectorii</i>	OBL	(Buchanan) Molloy, D.L.Jones & M.A.Clem.	PRApat	<i>Prasophyllum patens</i>		Endemic
<i>Prunella vulgaris</i>	FACU	L.	PRUvul		Self-heal	Exotic
<i>Pseudopanax arboreus</i>	UPL	(Murray) Philipson	PSEarb		Five-finger	Endemic
<i>Pseudopanax chathamicus</i>	FACU	Kirk	PSEcha			Endemic
<i>Pseudopanax colensoi</i>	UPL	(Hook.f.) Philipson	NEOcol		Three-finger	Endemic
<i>Pseudopanax crassifolius</i>	FACU	(Sol. ex A.Cunn.) K.Koch	PSEcra		Lancewood	Endemic
<i>Pseudopanax ferox</i>	UPL	Kirk	PSEfer		Fierce lancewood	Endemic
<i>Psychrophila obtusa</i>	OBL	(Cheeseman) W.A.Weber	CALobt	<i>Caltha obtusa</i>	White caltha	Endemic
<i>Pteridium esculentum</i>	FACU	(G.Forst.) Cockayne	PTEsc		Bracken	Non-endemic
<i>Pterostylis micromega</i>	OBL	Hook.f.	PTEmic			Endemic
<i>Puccinellia distans</i>	FACW	(L.) Parl.	PUCdis			Exotic
<i>Puccinellia fasciculata</i>	FACW	(Torr.) E.P.Bicknell	PUCfas			Exotic
<i>Puccinellia stricta</i>	FAC	(Hook.f.) Blom	PUCstr		Saltgrass	Non-endemic
<i>Pycreus polystachyos</i>	FACW	(Rottb.) P.Beauv.		<i>Cyperus polystachus</i>		Exotic
<i>Pycreus sanguinolentus</i>	FAC	(Vahl.) Nees				Exotic
<i>Pyrrosia eleagnifolia</i>	UPL	(Bory) Hovenkamp	PYRele		Leatherleaf	Endemic
<i>Quintinia serrata</i>	UPL	A.Cunn.	QUlser		Tawheowheo	Endemic
<i>Ranunculus acaulis</i>	FACW	DC.	RANaca		Sand buttercup	Non-endemic
<i>Ranunculus acris</i>	FAC	L.	RANacr		Meadow buttercup	Exotic
<i>Ranunculus amphitrichus</i>	OBL	Colenso	RANamp		Waoriki	Non-endemic
<i>Ranunculus brevis</i>	OBL	Garn.-Jones	RANbre	<i>Ranunculus depressus</i>		Endemic
<i>Ranunculus bulbosus</i>	FAC	L.	RANbul		Bulbous buttercup	Exotic
<i>Ranunculus carsei</i>	OBL	Petrie	RANcar			Endemic
<i>Ranunculus cheesemaniae</i>	OBL	Kirk	RANche			Endemic
<i>Ranunculus flammula</i>	FACW	L.	RANfla		Spearwort	Exotic
<i>Ranunculus foliosus</i>	FAC	Kirk	RANfol			Endemic
<i>Ranunculus glabrifolius</i>	OBL	Hook.	RANGla			Non-endemic

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<i>Ranunculus gracilipes</i>	FACW	Hook.f.	RANgra			Endemic
<i>Ranunculus kirkii</i>	FACW	Petrie	RANKir			Endemic
<i>Ranunculus limosella</i>	OBL	Kirk	RANlim			Endemic
<i>Ranunculus macropus</i>	OBL	Hook.f.	RANmar		Swamp buttercup	Endemic
<i>Ranunculus maculatus</i>	OBL	Cockayne & Allan	RANmcl			Endemic
<i>Ranunculus membranifolius</i>	FAC	(Kirk) Garn.-Jones	RABmem	<i>Ranunculus hirtus</i> var. <i>membranifolius</i>		Endemic
<i>Ranunculus multiscapus</i>	UPL	Hook.f.	RANbpm			Endemic
<i>Ranunculus ophioglossifolius</i>	OBL	Vill.	RANoph			Exotic
<i>Ranunculus ranceorum</i>	OBL	de Lange	RANran			Endemic
<i>Ranunculus recens</i>	FAC	Kirk	RANrec			Endemic
<i>Ranunculus reflexus</i>	FACU	Garn.-Jones	RANref	<i>Ranunculus hirtus</i>		Endemic
<i>Ranunculus repens</i>	FAC	L.	RANrep		Creeping buttercup	Exotic
<i>Ranunculus sardous</i>	FAC	Crantz	RANSar		Hairy buttercup	Exotic
<i>Ranunculus sceleratus</i>	OBL	L.	RANSce		Celery buttercup	Exotic
<i>Ranunculus simulans</i>	FAC	Garn.-Jones	RANSim	<i>Ranunculus depressus</i> var. <i>stewartiae</i>		Endemic
<i>Ranunculus ternatifolius</i>	FACW	Kirk	RANter			Endemic
<i>Ranunculus trichophyllus</i>	OBL	Chaix	RANtri	<i>Ranunculus fluitans</i>	Water buttercup	Exotic
<i>Ranunculus urvilleanus</i>	FACW	Cheeseman	RANurv			Endemic
<i>Ranunculus verticillatus</i>	FAC	Kirk	RANver			Endemic
<i>Raukawa anomalus</i>	FACU	(Hook.) A.D.Mitch., Frodin & Heads	RAUano	<i>Pseudopanax anomalus</i>		Endemic
<i>Raukawa simplex</i>	UPL	(G.Forst.) A.D.Mitch., Frodin & Heads	RAUsim	<i>Pseudopanax simplex</i>	Haumakaroa	Endemic
<i>Rhopalostylis sapida</i>	FACU	H.Wendl. & Drude	RHOsap		Nikau	Endemic
<i>Ripogonum scandens</i>	FACU	J.R.Forst. & G.Forst.	RIPsca		Supplejack	Endemic
<i>Rorippa amphibia</i>	FACW	(L.) Besser	RORamp		Tall yellow cress	Exotic
<i>Rorippa palustris</i>	OBL	(L.) Besser	RORPALpal	<i>Rorippa islandica</i>	Marsh yellow cress, poniu	Non- endemic
<i>Rorippa sylvestris</i>	FAC	(L.) Besser	RORSyl		Creeping yellow cress	Exotic
<i>Rosa rubiginosa</i>	UPL	L.	ROSub		Sweet briar	Exotic

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<i>Rostkovia magellanica</i>	FACW	(Lam.) Hook.f.	ROSmag			Non-endemic
<i>Rubus argutus</i>	FACU	Link	RUBarg			Exotic
<i>Rubus australis</i>	FAC	G.Forst.	RUBaus		Swamp lawyer	Endemic
<i>Rubus cissoides</i>	FACU	A.Cunn.	RIUBcis		Bush lawyer	Endemic
<i>Rubus fruticosus</i>	FACU	L.	RUBfru		Blackberry	Exotic
<i>Rubus schmidelioides</i>	FAC	A.Cunn.	RUBsch		Tataramoa, Bush lawyer, White-leaved lawyer	Endemic
<i>Rumex acetosa</i>	FAC	L.			Sorrel	Exotic
<i>Rumex acetosella</i>	FACU	L.	RUMace		Sheep's sorrel	Exotic
<i>Rumex conglomeratus</i>	FAC	Murray	RUMcon		Clustered dock	Exotic
<i>Rumex crispus</i>	FAC	L.	RUMcri		Curled dock	Exotic
<i>Rumex flexuosus</i>	FAC	Spreng.	RUMfle			Endemic
<i>Rumex frutescens</i>	FACW	Thouars	RUMfru		Argentine dock	Exotic
<i>Rumex neglectus</i>	FACW	Kirk	RUMneg			Endemic
<i>Rumex obtusifolius</i>	FAC	L.	RUMobt		Broad-leaved dock	Exotic
<i>Rumex sagittatus</i>	FACU	Thunb.	RUMsag		Cimbing dock	Exotic
<i>Rumohra adiantiformis</i>	UPL	(G.Forst.) Ching	RUMadi		Buckler fern	Non-endemic
<i>Ruppia megacarpa</i>	OBL	R.Mason	RUPmeg			Non-endemic
<i>Ruppia polycarpa</i>	OBL	R.Mason	RUPpol			Non-endemic
<i>Rytidosperma gracile</i>	FACU	(Hook.f.) Connor & Edgar	RYTgra		Danthonia	Non-endemic
<i>Rytidosperma nigricans</i>	FACW	(Petrie) Connor & Edgar	RYTnig			Endemic
<i>Rytidosperma nudum</i>	OBL	(Hook.f.) Connor & Edgar	RYTnud			Endemic
<i>Rytidosperma pulchrum</i>	OBL	(Zotov) Connor & Edgar	RYTpul			Endemic
<i>Sagina procumbens</i>	FACU	L.	SAGpro		Pearlwort	Exotic
<i>Salix ×reichardtii</i>	FACW	A.Kern.	SALxre		Pussy willow	Exotic
<i>Salix alba L. var. alba</i>	FACW	L.	SALalb		White willow	Exotic
<i>Salix alba var. vitellina</i>	FACW	(L.) Stokes			Golden willow	Exotic
<i>Salix babylonica</i>	FACW	L.	SALbab		Weeping willow	Exotic
<i>Salix caprea</i>	FACW	L.	SALcap		Goat willow	Exotic

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<i>Salix cinerea</i> subsp. <i>oleifolia</i>	FACW	(Sm.) Macreight			Grey willow	Exotic
<i>Salix elaeagnos</i>	FACW	Scop.	SALela			Exotic
<i>Salix fragilis</i>	FACW	L.	SALfra		Crack willow	Exotic
<i>Salix purpurea</i>	FACW	L.	SALpur		Purple osier	Exotic
<i>Salix viminalis</i>	FACW	L.	SALvim		Osier	Exotic
<i>Salvinia molesta</i>	OBL	D.S.Mitch.	SALmol	<i>Salvinia herzogii</i>	Kariba weed	Exotic
<i>Sambucus nigra</i>	FACU	L.	SAMnig		Elder	Exotic
<i>Samolus repens</i>	FAC	(J.R.Forst. & G.Forst.) Pers.	SAMrep		Sea primrose	Non-endemic
<i>Sarcocornia quinqueflora</i>	FACW	(Bunge ex Ung.-Sternb.) A.J.Scott	SARqui	<i>Salicornia australis</i>	Glasswort	Non-endemic
<i>Schedonorus arundinaceus</i>	FAC	(Schreb.) Dumort.	SCHaru	<i>Schedonorus phoenix</i> , <i>Festuca arundinacea</i>	Tall fescue	Exotic
<i>Schizaea australis</i>	FAC	Gaudich.	SCHaus		Southern comb fern	Non-endemic
<i>Schizaea bifida</i>	FAC	Willd.	SCHbif		Forked comb fern	Non-endemic
<i>Schizaea fistulosa</i>	FAC	Labill.	SCHfis		Comb fern	Non-endemic
<i>Schizeilema cockaynei</i>	FACW	(Diels) Cheeseman	SCHcoc			Endemic
<i>Schizeilema nitens</i>	FACW	(Petrie) Domin	SCHnit			Endemic
<i>Schoenoplectus pungens</i>	OBL	(Vahl) Palla	SCHpun	<i>Scirpus americanus</i>	Three-square	Non-endemic
<i>Schoenoplectus tabernaemontani</i>	OBL	(C.C.Gmel.) Palla	SCHtab	<i>Schoenoplectus validus</i> , <i>Scirpus lacustris</i>	Lake sedge, kuta	Non-endemic
<i>Schoenus apogon</i>	FACW	Roem. & Schult.	SCHapo			Non-endemic
<i>Schoenus brevifolius</i>	FACW	R.Br.	SCHbre			Non-endemic
<i>Schoenus carsei</i>	FACW	Cheeseman	SCHcar			Non-endemic
<i>Schoenus concinnus</i>	FACW	Hook.f.	SCHcon	<i>Schoenus nitens</i> var. <i>concinnus</i>		Endemic
<i>Schoenus fluitans</i>	OBL	Hook.f.	SCHflu			Non-endemic
<i>Schoenus maschalinus</i>	FACW	Roem. & Schult.	SCHmas			Non-endemic
<i>Schoenus nitens</i>	FACW	(R.Br.) Roem. & Schult.	SCHnit	<i>Schoenus nitens</i> var. <i>nitens</i>		Non-endemic

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<i>Schoenus pauciflorus</i>	FACW	(Hook.f.) Hook.f.	SCHpau		Bog rush	Endemic
<i>Schoenus tendo</i>	FAC	(Hook.f.) Hook.f.	SCHten			Endemic
<i>Scirpus georgianus</i>	FACW	R.M.Harper				Exotic
<i>Scirpus polystachyus</i>	FACW	F.Muell.				Exotic
<i>Scrophularia auriculata</i>	FAC	L.	SCRaur		Figwort	Exotic
<i>Sebaea ovata</i>	FACW	(Labill.) R.Br.	SEBova			Non-endemic
<i>Selaginella kraussiana</i>	FAC	(Kunze) A.Braun	SELkra			Exotic
<i>Selliera microphylla</i>	FACW	Colenso	SELMic			Endemic
<i>Selliera radicans</i>	FACW	Cav.	SELrad		Remuremu	Endemic
<i>Senecio bipinnatisectus</i>	FACU	Belcher	SENbip		Fireweed	Exotic
<i>Senecio glomeratus</i>	FACU	Poir.	SENglo			Non-endemic
<i>Senecio minimus</i>	FACU	Poir.	SENmin			Non-endemic
<i>Simpliglottis cornuta</i>	FACU	(Hook.f.) Szlach.	SIMcor	<i>Chiloglottis cornuta</i>		Endemic
<i>Sisyrinchium iridifolium</i>	FAC	Kunth	SISiri			Exotic
<i>Solanum dulcamara</i>	FACU	L.	SOLDul		Bittersweet	Exotic
<i>Solanum nigrum</i>	FACU	L.	SOLnig		Black nightshade	Exotic
<i>Solanum nodiflorum</i>	FACU	Jacq.	SOLame			Non-endemic
<i>Sonchus asper</i>	FACU	(L.) Hill	SONasp		Prickly sowthistle	Exotic
<i>Sophora microphylla</i>	FACU	Aiton	SOPmic		Kowhai	Endemic
<i>Sparganium subglobosum</i>	OBL	Morong	SPASub		Burr-reed, maru	Non-endemic
<i>Spartina alterniflora</i>	OBL	Loisel.	SPAalt		Smooth cord grass	Exotic
<i>Spartina anglica</i>	OBL	C.E.Hubb.	SPAang		Cord grass	Exotic
<i>Spartina X townsendii</i>	OBL	H.Groves & J.Groves	SPAtow			Exotic
<i>Spergularia marina</i>	FAC	(L.) Griseb.	SPEmar		Sea spurrey	Exotic
<i>Spergularia media</i>	FAC	(L.) C.Presl	SPEmed		Sea spurrey	Non-endemic
<i>Sphagnum species</i>	OBL		SPHxxx		Sphagnum	Non-endemic
<i>Spiranthes aff. novae-zelandiae (CHR 518297; Motutangi)</i>	FACW					Uncertain

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<i>Spiranthes novae-zelandiae</i>	FACW	(R.Br.) H.Hara & Kitam.	SPlnov	<i>Spiranthes sinensis</i> var. <i>australis</i>	Ladies tresses	Endemic
<i>Sporadanthus ferrugineus</i>	OBL	de Lange, Heenan & B.D.Clarkson	SPOfer		Bamboo rush, cane rush	Endemic
<i>Sporadanthus traversii</i>	OBL	(F.Muell.) F.Muell. ex Kirk	SPOtra		Chatham Island bamboo rush	Endemic
<i>Sprengelia incarnata</i>	FACW	Sm.	SPRinc		Pink swamp heath	Non-endemic
<i>Stackhousia minima</i>	FAC	Hook.f.	STAmIn			Endemic
<i>Stegostyla lyallii</i>	FACU	(Hook.f.) D.L.Jones et M.A.Clem.	STELya	<i>Caladenia lyallii</i>		Endemic
<i>Stellaria alsine</i>	FACW	Grimm	STEals		Bog stitchwort	Exotic
<i>Stellaria graminea</i>	FAC	L.	STEGra		Stitchwort	Exotic
<i>Stuckenia pectinata</i>	OBL	(L.) Börner	POTpec	<i>Potamogeton pectinatus</i>		Non-endemic
<i>Suaeda novae-zelandiae</i>	FAC	Allan	SUANov		Sea blite	Endemic
<i>Symphotrichum subulatum</i>	FAC	(Michx.) G.L.Nesom	ASTsbl	<i>Aster subulatus</i>	Sea aster	Exotic
<i>Syzygium maire</i>	OBL	(A.Cunn.) Sykes & Garn.-Jones	SYZmai	<i>Eugenia maire</i>	Swamp maire	Endemic
<i>Tetrachondra hamiltonii</i>	FACW	Petrie ex Oliv.	TETHam			Endemic
<i>Tetraria capillaris</i>	FACW	(F.Muell.) J.M.Black	TETcap		Hair sedge	Non-endemic
<i>Thelymitra aemula</i>	FAC	Cheeseman	THEaem		Gumland sun orchid	Endemic
<i>Thelymitra cyanea</i>	FACW	(Lindl.) Benth.	THEcya	<i>Thelymitra venosa</i>	Veined sun orchid	Non-endemic
<i>Thelymitra formosa</i>	FAC	Colenso	THEfor			Non-endemic
<i>Thelymitra ixioides</i>	FAC	Sw.	THEixi			Non-endemic
<i>Thelymitra malvina</i>	FACW	M.A.Clem., D.L.Jones et Molloy			Mauve sun orchid	Non-endemic
<i>Thelymitra pulchella</i>	FACW	Hook.f.	THEpul			Endemic
<i>Thelymitra sanscilia</i>	FACU	Irwin ex Hatch			Sun orchid	Endemic
<i>Thelypteris confluens</i>	OBL	(Thunb.) C.V.Morton	THEcon	<i>Thelypteris palustris</i> var. <i>squamigera</i>	Marsh fern	Non-endemic
<i>Thyridia repens</i>	FACW	(R.Br.) W.R.Barker & Beardsley	MIMrep	<i>Mimulus repens</i>		Non-endemic

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<i>Trichomanes reniforme</i>	UPL	G.Forst.	TRlren	<i>Cardiomanes reniforme</i>	Kidney fern	Endemic
<i>Trifolium arvense</i>	UPL	L.	TRlarv		Haresfoot clover	Exotic
<i>Trifolium dubium</i>	UPL	Sibth.	TRldub		Suckling clover	Exotic
<i>Trifolium pratense</i>	FACU	L.	TRlpra		Red clover	Exotic
<i>Trifolium repens</i>	FACU	L.	TRlrep		White clover	Exotic
<i>Triglochin palustris</i>	OBL	L.	TRlpls			Non-endemic
<i>Triglochin striata</i>	OBL	Ruiz & Pav.	TRlstr		Arrow grass	Non-endemic
<i>Trithuria inconspicua</i>	OBL	Cheeseman	HYDinc	<i>Hydatella inconspicua</i>		Endemic
<i>Typha orientalis</i>	OBL	C.Presl	TYPori		Raupo	Non-endemic
<i>Ulex europaeus</i>	FACU	L.	ULEeur		Gorse	Exotic
<i>Uncinia divaricata</i>	FAC	Boott	UNCdic			Endemic
<i>Uncinia egmontiana</i>	FACW	Hamlin	UNCegm			Endemic
<i>Uncinia nervosa</i>	FACW	Boott	UNCner			Non-endemic
<i>Uncinia rubra</i>	FAC	Boott	UNCrub			Endemic
<i>Uncinia sinclairii</i>	FAC	Boott	UNCsin			Endemic
<i>Uncinia strictissima</i>	FACW	(Kük.) Petrie	UNCstr			Endemic
<i>Uncinia uncinata</i>	FACU	(L.f.) Kük.	UNCunc		Hook-sedge	Non-endemic
<i>Urtica linearifolia</i>	FACW	(Hook.f.) Cockayne	URTlin		Swamp nettle	Endemic
<i>Utricularia australis</i>	OBL	R.Br.	UTRaus	<i>Utricularia protrusa</i>	Yellow bladderwort	Non-endemic
<i>Utricularia delicatula</i>	OBL	Cheeseman	UTRdel	<i>Utricularia lateriflora</i>		Endemic
<i>Utricularia dichotoma</i>	OBL	Labill.	UTRdic	<i>Utricularia novae-zelandiae</i> , <i>U. monanthos</i>	Bladderwort	Non-endemic
<i>Utricularia gibba</i>	OBL	L.	UTRbif	<i>Utricularia biflora</i>		Exotic
<i>Vallisneria australis</i>	OBL	S.W.L.Jacobs & Les	VALgig	<i>Vallisneria gigantea</i>		Exotic
<i>Vellereophyton dealbatum</i>	FACU	(Thunb.) Hilliard & B.L.Burt	VELdea			Exotic
<i>Veronica americana</i>	OBL	Benth.	VERame		Brooklime	Exotic

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<i>Veronica anagallis-aquatica</i>	OBL	L.	VERana		Water speedwell	Exotic
<i>Veronica catenata</i>	OBL	Pennell	VERact			Exotic
<i>Veronica scutellata</i>	OBL	L.	VERscu		Marsh speedwell	Exotic
<i>Veronica serpyllifolia</i>	FAC	L.	VERser		Turf speedwell	Exotic
<i>Viola cunninghamii</i>	FAC	Hook.f.	VIOcun			Non-endemic
<i>Viola filicaulis</i>	FAC	Hook.f.	VIOfil			Endemic
<i>Viola lyallii</i>	FAC	Hook.f.	VIOlya			Endemic
<i>Vitex lucens</i>	UPL	Kirk	VITluc		Puriri	Endemic
<i>Wahlenbergia albomarginata</i>	FACU	Hook.	WAHalb		Harebell	Endemic
<i>Waireia stenopetala</i>	FAC	(Hook.f.) D.L.Jones, M.A.Clem. & Molloy	LYPant	<i>Lyperanthus antarcticus</i>		Endemic
<i>Weinmannia racemosa</i>	FACU	L.f.	WEIrac		Kamaha, Tawheo, Tawhero	Endemic
<i>Weinmannia silvicola</i>	FACU	Sol. ex A.Cunn.	WEIsil		Towai, Tawhero	Endemic
<i>Wolffia australiana</i>	OBL	(Benth.) Hartog & Plas	WOLAus		Watermeal	Non-endemic
<i>Zannichellia palustris</i>	OBL	L.	ZANpal		Horned pondweed	Non-endemic
<i>Zantedeschia aethiopica</i>	FAC	(L.) Spreng.	ZANAet		Arum lily	Exotic
<i>Zizania latifolia</i>	OBL	(Griseb.) Stapf	ZIZlat		Manchurian wild rice	Exotic
<i>Zostera muelleri subsp. capricorni</i>	OBL	(Setch.) S.W.L.Jacobs	ZOScap	<i>Zostera capricorni</i>		Uncertain
<i>Zostera muelleri subsp. novozelandica</i>	OBL	(Setch.) S.W.L.Jacobs	ZOSnov	<i>Zostera novozelandica</i>		Non-endemic
<i>Zotovia thomsonii</i>	FACW	(Petrie) Edgar & Connor	MICtho	<i>Microlaena thomsonii</i>		Endemic

* Standard codes from National Vegetation Survey (NVS) database. Use full names or distinctive abbreviations for species without standard codes.

Endemic: Species occurring naturally (native) only in the New Zealand Botanical Region or some part of it

Non-endemic: Species occurring naturally (native) in the New Zealand Botanical Region as well as other regions

Exotic: Species not native to New Zealand; foreign