



DEPARTMENT OF BIOLOGICAL AND  
ENVIRONMENTAL SCIENCES

# CO-EXTINCTION OF MUTUALISTIC SPECIES

An analysis of ornithophilous angiosperms  
in New Zealand



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*“Tui. Adult feeding on flax nectar, showing pollen rubbing onto forehead. Dunedin, December 2008. Image © Craig McKenzie by Craig McKenzie.”*  
<http://nzbirdsonline.org.nz/sites/all/files/1200543Tui2.jpg>

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## **Abstract**

### **Co-extinction of mutualistic species - An analysis of ornithophilous angiosperms in New Zealand**

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The avifauna of New Zealand is depleted, affecting their mutualistic relationships negatively and impairing ecosystem functions such as pollination services. Indigenous angiosperms have long been believed to lack major mutualistic relationships with birds due to their absence of common pollination syndromes usually exhibited in ornithophilous plants. This belief has, however, been challenged in later years. This study investigates the association between the method of pollination (bird or other) of New Zealand flora with temporal patterns of abundance, threat status and flower colour. By analysing open access data of herbaria specimens from GBIF.org in R, temporal patterns can be identified. The results show a highly statistical significance from a Fishers test stating an association between pollination method and collection pattern. A decline in abundance of ornithophilous plants after the median year (1980) can also be observed (with a smaller proportion of species with the highest number of collected specimens after the median year) while other pollination method is equally distributed over time. Regarding the threat status of ornithophilous angiosperms: it is more often elevated than for other pollination methods, supporting the decline in abundance. A statistical significance is however absent but could be explained by the inclusive approach used in classifying the pollination method of bird. The analysis of flower colour shows a highly statistical significance meaning that the pollination method matters in the turn-out of flower colour, however, the colour red is only the second most common in ornithophilous species. This supports that using the common pollination syndrome as a method for determining bird pollination in New Zealand is inappropriate. Hopefully, the decline in abundance shown in this study can be mitigated through successful conservation efforts of mutualistic species.

**Key words:** mutualistic disruptions; herbaria specimens; temporal abundance; bird pollination; New Zealand



# Populärvetenskaplig sammanfattning

## Samutrotning av mutualistiska arter - En analys av fågelpollinerade angiospermer i New Zealand

Författare: Sandra Palmqvist

Biodiversiteten på avlägsna och isolerade öar har påverkats negativt efter människans ankomst. Detta har till stor del skett på grund av förändring av naturområden och introduktion av främmande arter vilket har lett till en ökning av utdöendet hos inhemska arter. Idag återfinns enbart en liten andel av den ursprungliga sammansättningen av ö-specifika (endemiska) fågelarter i Stilla havet, vilket i sin tur påverkat de växtarter som förlitar sig på fåglar för sin pollinering (som är en viktig del i växternas fortplantning). På Nya Zeeland har man länge trott att det inte funnits så många växtarter som förlitat sig på fågelpollinering, alltså en avsaknad av mutualism dem emellan, eftersom de inte uppvisar de klassiska kännetecknen för fågelpollinering (pollineringsyndrom). Dessa morfologiska egenskaper har historiskt sett använts för att bedöma hur en växt sannolikt blir pollinerad. Fågelpollinerade blommor uppvisar vanligtvis stora, rörformiga, röda, doftlösa blommor innehållande mycket nektar på en stadig stam. Detta är dock baserat på hur fågelpollinerade blommor ser ut i andra länder. På Nya Zeeland uppvisar blommorna en mer generell utformning där de kan utnyttja mer än bara en pollinerare, till exempel även insekter.

I den här studien tittas det närmare på hur olika pollineringsmetoder (fågel jämfört med övriga) förhåller sig i jämförelse med ett antal andra faktorer. Först inhämtades data över insamlade växter som bevarats i herbarier. Exemplaren av varje art sammanställdes med hjälp av mjukvaran R och fördelningen hos varje art beräknades och grupperades i två grupper: arter med flest insamlade exemplar före eller efter medianen av hela datasetet, vilket var året 1980. Sedan utfördes ett statistiskt test för att se om fördelningen hos de båda grupperna var den samma. Resultatet visade att så inte var fallet, den var olika. Om man tittar på den procentuella fördelningen av arter inom de båda pollineringsmetoderna så ser man att antalet fågelpollinerade arter (där flest herbariaexemplar bevarats) är färre efter 1980 medan den är den samma för andra pollineringsmetoder. Detta visar en nedgång av förekomsten av fågelpollinerade växter över tid.

Efter detta så jämfördes bevarandestatusen hos inhemska växter på Nya Zeeland, mot pollineringsmetoden. Här saknade det statistiska testet en signifikans vilket skulle kunna förklaras med att en inkluderande metod användes i klassificeringen av fågelpollinerade arter, där även misstänkt men ej definitivt bekräftade fågelpollinerade arter inkluderades vilket skulle kunna spåda ut resultatet. Resultaten uppvisar dock en något högre andel av hotade arter bland de fågelpollinerade än bland övriga pollineringsmetoder. Detta skulle kunna styrka de tidigare resultaten från herbariaexemplaren och peka åt samma håll, alltså att fågelpollinerade arter är mer

hotade än andra. En framtida jämförelse av förändringen av bevarandestatus över tid skulle vara av stort intresse för att kunna säga detta med säkerhet.

Slutligen analyserades blomfärg genom ett statistiskt test där färgernas fördelning jämfördes mot pollineringsmetoden. Resultaten visade att sättet en blomma pollineras på bör påverka sannolikheten för vilken färg blomman har. Röd blomfärg är dock bara den näst vanligaste färgen hos fågelpollinerade växter och bara en liten andel av alla röda växter är fågelpollinerade. Detta innebär att det inte är särskilt lämpligt att använda pollineringsyndrom för att bestämma pollineringsmetod på Nya Zeeland och har troligtvis bidragit till att man tidigare underskattat fåglars betydelse som pollinerare på öarna. Förhoppningsvis kan man motverka en fortsatt framtida nedgång av fågelpollinerade växter genom olika bevarandeinsatser. Om fåglarna inte dör ut så kan de fortsätta pollinera blommorna.



# 1. Introduction

Humans have not only caused major global climate change through overexploitation of natural resources, but we have also increased the extinction rate of floras and faunas and are now risking major ecosystem failure throughout the globe (Regan et al., 2015). Remote islands have seen such negative effects after human arrival and expansion (Bellard et al., 2016; Steadman, 1989). Native species have not only been affected by habitat change but also by direct hunting and the intended or accidental introduction of invasive species such as predators, parasites, diseases, herbivores or exotic plants that outcompete indigenous species (Bellard et al., 2016; Bellingham et al., 2010; Case, 1996; Cox & Elmqvist, 2000; Duncan & Blackburn, 2007; Norton, 1991).

Islands differ from the mainland in some key aspects, where the degree of isolation is an important factor (Gillespie et al., 2008). The highest number of isolated islands are found in the Pacific Ocean and their geographical remoteness acts as an obstacle for species to migrate (Gillespie et al., 2008). This in turn affects the richness in biodiversity negatively and isolated islands are also known for their high number of endemic, endangered and extinct species (Gillespie et al., 2008). The high level of avian extinction, as much as two out of three species, that has been found on the islands of the southern Pacific Ocean means that the remaining survivors on these islands cannot be said to represent the original distribution of birds in the area (Steadman, 1989). Bellard et al. (2016) showed that out of the extinct birds (or extinct in the wild) found in the IUCN Red List from 1500 AD till present, 93% was island dwelling and using fossil records Steadman (1989) showed that it was mainly flightless and endemic birds that had gone extinct. Case (1996) states that the composition of bird species on islands have homogenized. This is due to the endemic bird species having been replaced by exotic ones, leading to a global decline in the total number of bird species even though the number of species on each island may remain the same (Case, 1996).

When the natural habitat is disturbed, it does not only limit the resources for native species, but it also invites introduced species to settle (Case, 1996). Invasive species move in to occupy new niches that they are already accustomed to, while the indigenous species are not given the chance to evolve and adapt to the rapidly changing environment in time, making them unable to compete with the settlers (Case, 1996; Cox & Elmqvist, 2000). The settlers rarely replace the same niche as an extinct native species either (Case, 1996). This can be seen in New Zealand where the giant flightless moa bird (*Dinornithiformes*) has gone extinct but it has not been replaced by an alien species occupying the same niche as a browser, instead small introduced thrushes (*Turdidae*) and finches (*Fringillidae*) that feed of seeds, insects and invertebrates have established on the islands (Case, 1996; Clout & Hay, 1989; New Zealand Birds Online -The digital encyclopedia of New Zealand birds, 2013a-f). Heinen et al. (2018) also states that flightless birds are more threatened from invasive species than their flying relatives since they are more vulnerable to, for example, predation. The elevated vulnerability to alien predators for endemic flightless birds is not only due to their flightlessness but also stems from a naivety and lack of natural escape responses to introduced mammals such as cats (*Felis catus*) or rats (*Rattus spp.*) (Bellard et al., 2016; Duncan & Blackburn, 2007).

Introduced species are also unlikely to replace indigenous species as pollinators (Kelly et al., 2006). When it comes to bird pollination of flowers in New Zealand only one in twenty of the total flower visitations are made by introduced species of birds (Kelly et al., 2006). This can prove devastating since there are only three extant indigenous bird species responsible for a whole 89% of all observed flower visitations (Kelly et al., 2006). In New Zealand most of the indigenous bird species have already gone extinct or are currently threatened and a further decline in bird population can be observed (Barnett, 2011). Recent conservation efforts to create protected areas of little or no mammal invaders have however shown positive trends in slowing down or reversing the decline of the endangered native bird species (Bellingham et al., 2010; Bombaci et al., 2018; Burns, 2013). This has in turn shown an improvement in the fruit setting of the plants in these conservation areas indicating an increased pollination success (Bombaci et al., 2018; Burns, 2013; Van Etten et al., 2018)

Mutualism between species is an important piece of the puzzle when it comes to ecosystem functions and a mutual relationship is beneficial for both species (Burns, 2013). One very important factor for the prosperity of plants is the pollination success (Anderson, 2003), however, a heavy reliance on a few specific pollinators leaves the plant species vulnerable if their partnering pollinator disappears (Rumeu et al., 2017). It is well known that the indigenous avifauna on New Zealand is diminished (Kelly et al., 2010). The effect of which is of interest for this study that will specifically look at the ornithophilous angiosperm flora of New Zealand and their declining success rate due to its dwindling mutualistic avifauna.

The belief that the New Zealand flora have a poorly developed mutualistic relationship or dependency on bird pollinators has been widespread (Clout & Hay, 1989). This belief likely stems from the lack of common pollination syndromes that is found in bird-pollinated flowers in other parts of the world (Cronk & Ojeda, 2008; Wang et al., 2020). Morphological traits that are accepted for ornithophilous flowers are big, tubular flowers on a sturdy stem that the birds can sit on while they feed of the nectar, except for in-flight feeders such as Hummingbirds (Cronk & Ojeda, 2008). One common trait of bird-pollinated flowers is also that they lack scent but have a big and high energy nectar load (Cronk & Ojeda, 2008). Another is that ornithophilous flowers are commonly known to be red or reddish in colour (Cronk & Ojeda, 2008). This belief has, however, been challenged in later years (Wang et al., 2020). It has been shown that plants that are known to be visited by birds, but where ornithophily was dismissed due to the morphology of the plant being traditionally more suited for insect pollination (entomophily), achieve significantly less pollination when shielded from birds in experiments (Anderson, 2003). Studying the relationship between plants and birds has also been difficult as birds visit flowers at an elevation above ground that are outside of easy human reach (Robertson et al., 2008). This, combined with many indigenous plants showing a generalist behavior when it comes to pollinators as well as morphology, has made the assessment of the importance of birds as pollinators in New Zealand difficult (Kearns & Inouye, 1997; Newstrom & Robertson, 2005).

The goal of this study is to examine if this has had an effect on the abundance of the native flora through investigating the association between pollination method to a number of variables. The number of collected herbaria specimens of flowering plants in New Zealand will be examined to assess if they show temporal patterns and whether a decline in bird pollinated plant species in modern history can be observed, as described by Kearns et al. (1998) and Regan et al. (2015). The conservation status of indigenous plants will also be investigated in order to examine the association to pollination method and whether this affects the level of threat status, as suggested by Robertson et al. (1999). To test whether the common bird pollination syndrome can be applied as a general rule on New Zealand flora (Cronk & Ojeda, 2008), or if this is an inaccurate statement (Wang et al., 2020), the flower colours of indigenous angiosperm plants will be analysed in relation to pollination method.

The following research questions are assessed: (1) Has the pollination method influenced the abundance of flowering plant species in New Zealand over time (2) Does the pollination method affect the ratio of threat status (3) Does the pollination method matter when it comes to flower colour in New Zealand indigenous plants?

## **2. Material and methods**

The relationship between collected herbaria specimens, the conservation status and flower colour of New Zealand plant species was investigated to see associations to the method of pollination.

### **2.1 List of plant species, flower colours and conservation status**

A list of vascular plants indigenous to New Zealand (de Lange & Rolfe, 2010) was imported into Excel for further work. The list contains the name of each species, which family it belongs to, the chromosome number, endemic status and conservation status. The chromosome count and endemic status was not further investigated in this study. Any symbols and abbreviations that the list contained, as described on page iv in de Lange & Rolfe (2010), was removed except subsp., var. and f. which was handled separately, see section 2.1.3.

#### **2.1.1 Flower Colours**

Data of flower colours was collected from the New Zealand Plant Conservation Network (2021) where each flower colour given (black, blue, brown, cream, green, grey, lavender, orange, purple, red/pink, violet/purple, white, yellow or no flower) of native plants was selected as the search criteria and then downloaded separately. The data was imported into Excel and matched to the existing list of species using Scientific Name. The colours were each added to separate columns and the sum of colours for each species was calculated in order to see which species did not have any data for flower colour (0 = No data). No flower was treated as a colour (or information on flowering status) and is not included in the no data-section.

### **2.1.2 Update of conservation status**

A newer version of conservation status for New Zealand plants was released for the year 2017 (de Lange et al., 2018). This supersedes the conservation status from the 2010-version of indigenous vascular plants (de Lange & Rolfe, 2010) and the conservation status thereby needed to be updated for this analysis. This was done by importing the data from de Lange et al. (2018) and it was then matched to the previous data as described above and added into a separate column.

### **2.1.3 Update of names**

After adding the data for flower colours and updating the conservation status it was evident that some of the species did not have automatic matches. A reverse comparison (matching the Scientific Names) of the flower colour-data (New Zealand Plant Conservation Network, 2021), and conservation status (de Lange et al., 2018) respectively, to the checklist (de Lange & Rolfe, 2010) was performed which showed that all species did not in fact match up. A manual check and update of said species was performed where the species name and family were compared to the taxonomical information and synonyms (older names etc.) from the New Zealand Plant Conservation Network (2021). This also identified species that were not to be included in the analysis of this study (see Table A1). In some cases, the species did not match up due to inconsistent spelling between datasets and these were simply corrected. Updating the names and/or family resulted in more matches, adding information to the flower colours and threat status.

Many of the plant species in New Zealand are divided into subspecies, varieties or forms, as can be seen in de Lange & Rolfe (2010). For further analysis on a species level in this study these needed to be removed and in the cases where there was only one version of a species the subspecies, variety or form followed by the remaining name of the subgroup were deleted. In the cases where several subgroups, or a main species (in addition to the subgroups) were present the information from all of them, such as flower colour, were compiled into the main species in order not to lose any information. When it came to conservation status the status out of all of the main and subgroups with the least threatened status was chosen. The list of plant species that was finally used for analysis in this study is found in Table B1.

## **2.2 Method of Pollination**

After an extensive literature search no full list of pollination method for New Zealand plants was found. The pollination method was therefore determined for each species (or sometime whole family, see below) with further literature reviews. The result of this is found in Table B1 (in Appendix B - Method of Pollination and Conservation Status) and referenced in Appendix C (References to Method of Pollination). When sources did not agree on the pollination method the following was used as a general determination method: Specific sources was chosen over more general ones. For example: a study on a specific species or pollination method was selected over a more general study on a whole family. Mentioning of specific species was included, especially if they were mentioned to differ from the rest of their family. Recent sources were assumed to be more reliable than earlier information whereby the newest source was chosen. Pollination information on whole families was determined to be sufficient if more

specific sources could not be found within the given time frame of this study. Extra work went into identifying bird pollinated species and included in this group are also species that are occasionally visited or suspected to be bird pollinated (Pollination method: Bird or Bird/insect in Table B1). In order to minimize the variation in propagation techniques between different groups of plants only angiosperms were included for further analysis. As can be seen by the literature review of pollination method (see Table B1 in Appendix B with references in Appendix C), no bird pollinated species are found in the non-angiosperm groups whereby they (lycophytes, ferns and gymnosperms) were excluded.

### **2.3 Analysis of Collection Patterns**

This study investigates how the collection patterns of herbaria specimens have changed over time, in order to assess changes in abundance. To do this open access data of collected herbaria specimens was obtained from the Global Biodiversity Information Facility (GBIF) (GBIF.org, 2021). New Zealand was chosen as the Country or area and only preserved specimens from the kingdom Plantae were included. 405 292 occurrences from 117 datasets were retrieved (GBIF.org, 2021).

The GBIF-data was further handled in R, version 4.0.3, (R Core Team, 2020) where it was sorted according to genus, specific epithet and year and observations with missing data in any of these sections was removed. The data from Table B1 was added into R in order to match the list of species therein to the occurrence data from GBIF. The median of the GBIF-data was found to be 1980. To calculate occurrences before and after the median, as well as the total number of specimens for each species, a for-loop was run to compile the occurrence results for each species into separate columns. To reduce an excessive dependency on species with very few herbaria specimens (Robinson et al., 2018) species with a total value of 10 observations or less was excluded from the dataset (635 excluded species). A table to combine the GBIF-results with the pollination method was created. Each species was sorted into whether it had the greatest number of observations before or after the median, thereby showing a decline or an increase in collected specimens over time, and according to pollination method (bird or other), see Table 1. A Fisher's Exact Test for Count Data for Collection Patterns was performed (see Appendix D).

### **2.4 Analysis of Threat Status**

This study also investigates if the pollination method affects the threat status. To test this the data was put into another table in R where the species, apart from being sorted into pollination method (bird or other), was classified as threatened or not threatened, see Table 2. The threatened category in this study includes the following most threatened conservation statuses: At risk-Declining, At risk-Relict, Extinct, Threatened-Nationally Critical, Threatened-Nationally Endangered and Threatened-Nationally Vulnerable. The Not Threatened category, which is the least threatened status, was classified by itself. The remaining conservation statuses (Data Deficient, At risk-Recovering, At risk-Naturally Uncommon, Non-resident Native, Vagrant, Coloniser, Introduced and naturalised) was ignored due to uncertainties in the interpretation of the actual threat of said statuses. A Fisher's Exact Test for Count Data for Threat Status was then performed (see Appendix D).

## 2.5 Analysis of Flower Colours

In order to test if there was equal distribution of flower colours, independent of pollination method the following was done (see Appendix D). A table to compile the data for flower colour was created in R where the number for each colour and for each pollination method (bird or other) as well as the total number of each colour was summarised (see Table E1). To show the percental distribution of flower colours within each pollination method a figure was created, see Figure 1. A Pearson's Chi-Square Test for Flower Colour was then performed where the bird pollinated flower colour data was tested against other pollination methods.

## 3. Results

The results show that the collection patterns and flower colours depend on the pollination method while the results of the threat status are non-significant.

### 3.1 Number and distribution of Collection Patterns

The decreased or increased number of collected herbaria specimens of plant species over time, meaning the greatest amount of specimens collected before or after the median year (1980), that are bird or non-bird pollinated is presented in Table 1. Out of the herbaria specimens 61,5% of the ornithophilous species (with a total number of 260) had a majority of collections before 1980 (a decline of collected specimens over time) and 38,5% after (an increase of collected specimens over time). For other pollination methods (1083 species in total) the numbers were 51,2% before 1980 (decline) and 48,8% after (increase).

**Table 1:** The change in abundancy for bird or non-bird pollinated angiosperm plant species in New Zealand. The number of species where the majority of the herbaria specimens were collected before or after the median year (1980) are summarized. Species with 10 or less observations in total were excluded from this study.

Pollination	Species with a majority of specimens pre-1980 (likely declining)	Species with a majority of specimens post-1980 (likely increasing)
Bird	160	100
Other	554	529

#### 3.1.1 Number of collected specimens are dependent on Pollination Method

The result of Fisher's Exact Test for Count Data for Collection Patterns rejects the null hypothesis of equal distribution, independent of pollination method, before and after the median year (1980). It shows a highly significant difference in the number of species pre-1980 and post-1980 for species pollinated by birds to species pollinated by other methods ( $p$  value = .0029).

### 3.2 Number and distribution of Threatened Species

The number of threatened and non-threatened species of bird pollinated and non-bird pollinated species are found in Table 2. 18.8% out of the ornithophilous species (with a total number of 218) are threatened while the remaining 81,2% is not threatened. For non-bird pollinated species (with a total number of 932) the percentages were 15,7% and 84,3% respectively.

**Table 2:** The number of Threatened and Not Threatened angiosperm plant species that are either bird pollinated or not. Included in the Threatened category is the following conservation statuses: At risk-Declining, At risk-Relict, Extinct, Threatened-Nationally Critical, Threatened-Nationally Endangered and Threatened-Nationally Vulnerable. The Not threatened category only includes Not Threatened conservation status.

Pollination	Not threatened	Threatened
Bird	177	41
Other	786	146

### 3.2.1 Treat Status is not clearly dependent on Pollination Method

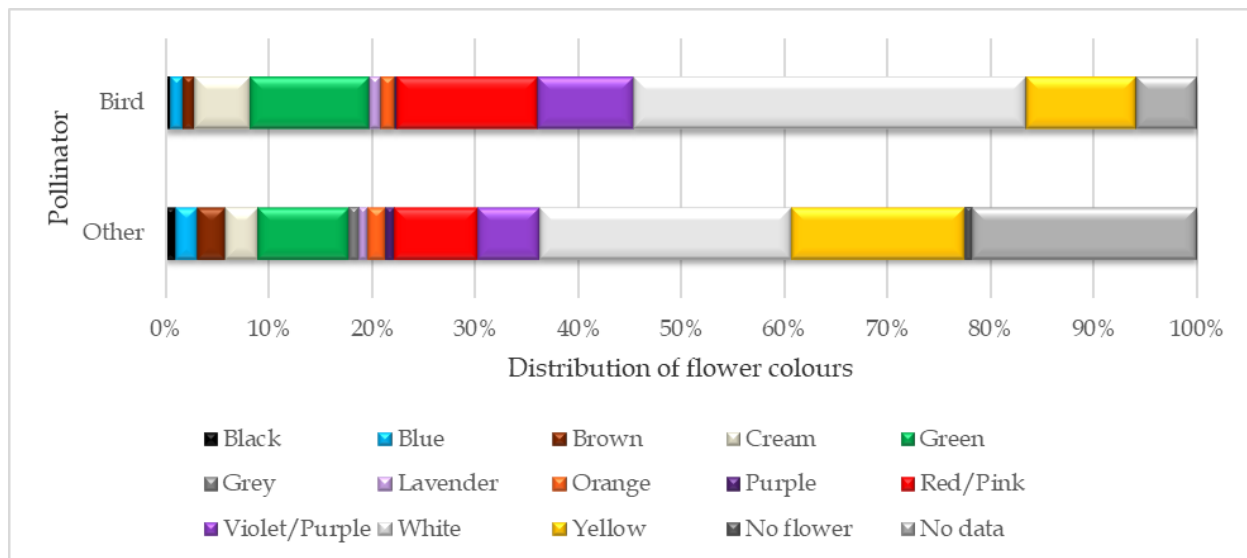
The result of Fisher's Exact Test for Count Data for Threat Status dependent on pollination method (bird or other) is inconclusive and does not show a significant dependency with a  $p$  value = .26.

### 3.3 Distribution of Flower Colours

The distribution of flower colours for each colour of ornithophilous plants (with a total of 449 colour matches) and plants pollinated by other methods (with a total of 2735 colour matches) are shown in Figure 1. Some plant species have more than one colour resulting in the total sum of colour matches to exceed the total number of species.

#### 3.3.1 Flower Colour depends on Pollination Method

The Pearson's Chi-Square Test for Flower Colours rejects the null hypothesis that the distribution of flower colours is independent of pollination method. When it comes to flower colour there is a highly significant dependency between pollination method and flower colour ( $p$  value < .001). The distribution of flower colours (%) can be found in Figure 1 and exact numbers are found in Table E1.



**Figure 1.** Distribution of flower colours depending on pollination method. Pollination methods are: bird (n=449) and other (n=2735). Exact numbers can be found in Table E1.

## 4. Discussion

The results of this study show a declining abundance of bird pollinated species of angiosperm plants in New Zealand in recent history. This trend of decline is further supported by an elevated threat status for bird pollinated plant species, even though these findings are not statistically significant. When it comes to flower colours a clear dependency on pollination method is evident, however, the colour red is neither the most common flower colour in bird pollinated plant species and far from all bird pollinated flowers are red.

### 4.1 Declining temporal abundance of bird pollinated angiosperms

The results show an uneven temporal pattern for ornithophilous flowers and that they are collected at a lesser extent (a declining abundance) after the median year (1980). Non-bird pollinated flowers however, have a fairly equal distribution in their collection pattern and thereby an even abundance over time. The decline in bird pollinated species is likely due to the extensive bird extinction that has already occurred in New Zealand (Barnett, 2011) and exhibits the same trend of a co-dependent decline of mutualistic species as is predicted by Kearns et al. (1998).

The threat status for ornithophilous plant species is elevated to a greater extent compared to the non-bird pollinated category. Although the results of the association between threat status and pollination method does not show a statistical significance the  $p$  value is low and therefore points in the same direction as the highly significant decline in abundance of bird pollinated plants, supporting these results.

To study whether the abundance of angiosperm species with different pollination methods (bird or other) have changed over time, and especially if ornithophilous species shows a decline, open access data of collected herbaria specimens were used. The use of collected herbaria specimens as an indicator of abundance of species over time could, however, introduce a bias that would give an inaccurate result to reality. When it comes to preserving newly collected specimens there is less interest in the common species (Schilthuizen et al., 2015). These are most likely already well represented in a multitude of collections and would be easy to re-collect in case an older specimen is lost or damaged (Schilthuizen et al., 2015). It is much more attractive to preserve the rarer species since these are not only more difficult to acquire but may also have fewer specimens already present in the herbaria collections and thereby adds to their diversity (Schilthuizen et al., 2015). It is therefore my opinion that this bias would favour more rare species, namely the declining bird-pollinated ones, giving an overrepresentation of these in the collection pattern. Despite this, a significant decline of abundance is seen in my results.

A literature review was used as the method for determining pollination method for this study. An inclusive definition of bird pollination of flowers was chosen where suspected bird pollinated plants was included into the category. If these assumptions will turn out to be wrong, a number of non-bird pollinated species will have been inaccurately added to the bird pollinated category. This random sample of, as it would then show, non-bird pollinated species would logically have a similar distribution of data as the non-bird



pollinated category. The results show that the non-bird pollinated category is fairly equally distributed in all tests (although perhaps to a lesser extent for flower colours) compared to the bird pollinated species. Thus, if a number of what is suspected to be bird pollinated species turns out to not in fact be bird pollinated, these species would dilute the result and weaken the significance of the tests. This dilution could reach the point where the results are no longer statistically significant and may very well be the explanation to the lack of significance in association between pollination method and threat status. An additional study focusing on the change of conservation status over time would add information in order to make a more accurate conclusion of a potential increase of threatened status for bird pollinated plants, thereby supporting a possible true decline in these species. The decline in abundance that is seen for ornithophilous plants does, despite this potential bias of dilution, show a highly significant result and may therefore even be an underestimation of the true decline in genuinely bird pollinated species.

## **4.2 Analysing Flower Colour in New Zealand**

When setting up this study the expectation that the pollination method of bird (ornithophily) could be determined by using the colour red was assumed, since red flower colour are usually a definition for bird pollinated plants. After studying the pollination syndromes of bird pollinated flowers the aspects of large flower size, lack of scent and the tubular shape of flowers also needed to be considered in order to make this determination (Cronk & Ojeda, 2008). Flowers in New Zealand does, however, not conform to common pollination syndromes when it comes to bird pollination (Anderson, 2003). This, along with the generalistic approach using multiple pollinators across the islands, creates an obstacle in easily identifying which flowers are in fact reliant on bird pollination (Anderson, 2003; Kearns & Inouye, 1997). Historically this has also been shown to be a problem, resulting in birds being underestimated as pollinators in New Zealand flora (Anderson, 2003; Clout & Hay, 1989). Due to this, a literature review was chosen as the method for identifying and summarising bird pollinated flowers instead.

The flower colour was however still of interest to investigate in order to review different results from previous work, as seen in Anderson (2003); Cronk & Ojeda (2008) and Wang et al., (2020). The flower colours of New Zealand angiosperms were therefore tested against pollination method. The comparison between flower colours and pollination method shows that not all bird pollinated flowers are red as there are more white (38.1%) flowers that are bird pollinated than there are red (13.6%) flowers. Red is however the second most common colour for ornithophilous species. Neither are all red flowers bird pollinated as only 21.6% of all red flowers are classified as bird pollinated.

There was, however, a highly statistical significance between flower colour and pollination method. This can be seen in the colour distribution as it is not the same between bird pollinated and non-bird pollinated flowers. The most common ornithophilous flower colours are white (38.6%), red (13.6%) and green (11.6%) which are all overrepresented compared to the non-bird pollinated species (where the distribution is: white (24.5%), red (8.1%) and green (8.8%)). Yellow (10.7%) is underrepresented for bird pollinated species (compared to 16.7 % for other pollination methods) even though it is the fourth most common colour in the bird pollinated

category. The conclusion of this is that the flower colours are not random and independent of pollination method. Some colours are more probable for bird pollinated flowers than others. This study has however not investigated in what way these are correlated and would be relevant for further investigations.

### **4.3 Heading into the future**

The decline of bird pollinated angiosperms in New Zealand might in a way be mitigated due to the generalistic pollination strategy exhibited on the islands (Anderson, 2003). This means that the flowering plants can utilise more than just one type of pollinator whereby, for example, insects might cover for potentially lost bird pollinators (Kearns & Inouye, 1997; Wang et al., 2020). It has however been shown that insects can only partially compensate for the loss of bird pollinators (Anderson, 2003; Kelly et al., 2010). A plant species may also remain extant for a certain time after their pollinators have disappeared, either through vegetative propagation, asexual reproduction, autonomous selfing or simply due to long generation times (Harter et al., 2015; Kearns & Inouye, 1997; Newstrom & Robertson, 2005). If the evolutionary success rate of native species continues to decline, for example through a lack of sexual outcrossing between generations due to a loss of pollinators, they may very well be doomed for extinction. It remains to be seen if these species will continue to decline, as has been seen in this study, or if a new steady state is reached. The extensive conservation efforts exhibited in New Zealand might help to mitigate this decline in the future (Bombaci et al., 2018; Iles & Kelly, 2014; Van Etten et al., 2018).

## **5. Conclusion**

The results show a clear decline in abundance of bird pollinated angiosperm plant species over time in New Zealand, when based on the temporal pattern of collected herbaria specimens. This indicates that ornithophilous flowers are following in the tracks of their already depleted pool of mutualistic bird pollinators in New Zealand (Kelly et al., 2006).

When studying the threat status of plant species in New Zealand the result is not statistically significant but does point in the same general direction as the collection patterns with a greater percentage of bird pollinated species having a threatened status compared to non-bird pollinated species. This can potentially indicate the same deterioration of ornithophilous plants as seen in the collection pattern. A significance in the result may here have been obscured by the inclusive approach used to categorizing bird pollinated species. Using a different approach to determining the pollination method may come to a different result and lead to a more distinct conclusion.

When determining the pollination method for plants the previous use of common pollination syndromes may have diminished the importance of bird pollinators in New Zealand since the flowers of the islands does not adhere to these to any great extent (Anderson, 2003). The results of this study support this conclusion.

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## Appendix A – Plant species excluded from this study

**Table A1:** Plant species from de Lange et al. (2010) excluded from this study. Reason for exclusion is given in the table. All species belong to the phylogenetic group Core Eudicots and they all had a Not Threatened Conservation Status according to de Lange et al. (2010). Pollination method is given, and references are listed in Appendix C. Reason for exclusion is based on: New Zealand Plant Conservation Network (2021).

Species name 2021	Family	Pollination method	Source: pollination	Reason for exclusion
<i>Anisotome procumbens</i>	Apiaceae	Insect	19, 21	No match in database (native plants). Exotic?
<i>Plantago masoniae</i>	Plantaginaceae	Wind	21, 38	Now included in <i>Plantago triandra</i>
<i>Coprosma grandifolia</i>	Rubiaceae	Wind	21, 22	Now included in <i>Coprosma lucida</i>

## Appendix B – Method of Pollination and Conservation Status

**Table B1:** Name of each plant species included in this study, the family and phylogenetic group it belongs to, which pollination method and conservation status the plant has. References to Pollination Method are listed in Appendix C. Source of Conservation Status: de Lange et al. 2018. \*Phylogenetic groups not included in analyses are: Lycophytes, Ferns and Gymnosperms.

Species name 2021	Family	Phylogenetic group	Pollination method	Reference: pollination	Conservation status 2017
<i>Isoetes alpina</i>	Isoetaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Isoetes kirkii</i>	Isoetaceae	Lycophytes*	Spores: wind (water)	4	At risk - Declining
<i>Huperzia australiana</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Lycopodiella cernua</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Lycopodiella diffusa</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Lycopodiella lateralis</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Lycopodiella serpentina</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Threatened - Nationally Vulnerable
<i>Lycopodium deuterodensum</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Lycopodium fastigiatum</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Lycopodium scariosum</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Lycopodium volubile</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Phlegmariurus varius</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Not Threatened
<i>Phylloglossum drummondii</i>	Lycopodiaceae	Lycophytes*	Spores: wind (water)	4	Threatened - Nationally Endangered
<i>Asplenium appendiculatum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium bulbiferum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium chathamense</i>	Aspleniaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Asplenium cimmeriorum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Asplenium decurrens</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium flabellifolium</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium flaccidum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium gracillimum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium haurakiense</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium hookerianum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium lamprophyllum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium lyallii</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened



<i>Asplenium oblongifolium</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium obtusatum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium pauperequitum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Threatened - Nationally Endangered
<i>Asplenium polyodon</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium richardii</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Asplenium scleroprium</i>	Aspleniaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Asplenium shuttleworthianum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Asplenium subglandulosum</i>	Aspleniaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Asplenium trichomanes</i>	Aspleniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Deparia petersenii</i>	Athyriaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Diplazium australe</i>	Athyriaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Austroblechnum banksii</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Austroblechnum colensoi</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Austroblechnum durum</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Austroblechnum lanceolatum</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Austroblechnum membranaceum</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Austroblechnum norfolkianum</i>	Blechnaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Austroblechnum penna-marina</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Cranfillia deltoides</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Cranfillia fluviatilis</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Cranfillia nigra</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Diploblechnum fraseri</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Doodia aspera</i>	Blechnaceae	Ferns*	Spores: Wind	3	Non - resident Native Vagrant
<i>Doodia australis</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Doodia milnei</i>	Blechnaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Doodia mollis</i>	Blechnaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Doodia squarrosa</i>	Blechnaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Icarus filiformis</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Lomaria discolor</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Parablechnum minus</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Parablechnum montanum</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened

<i>Parablechnum novae-zelandiae</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Parablechnum procerum</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Parablechnum triangularifolium</i>	Blechnaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Cyathea colensoi</i>	Cyatheaceae	Ferns*	Spores: Wind	3, 21	Not Threatened
<i>Cyathea cunninghamii</i>	Cyatheaceae	Ferns*	Spores: Wind	3, 21	Not Threatened
<i>Cyathea dealbata</i>	Cyatheaceae	Ferns*	Spores: Wind	3, 21	Not Threatened
<i>Cyathea kermadecensis</i>	Cyatheaceae	Ferns*	Spores: Wind	3, 21	At risk - Naturally Uncommon
<i>Cyathea medullaris</i>	Cyatheaceae	Ferns*	Spores: Wind	3, 21	Not Threatened
<i>Cyathea milnei</i>	Cyatheaceae	Ferns*	Spores: Wind	3, 21	At risk - Naturally Uncommon
<i>Cyathea smithii</i>	Cyatheaceae	Ferns*	Spores: Wind	3, 21	Not Threatened
<i>Cystopteris tasmanica</i>	Cystopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Davallia tasmanii</i>	Davalliaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Histiopteris incisa</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hiya distans</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hypolepis amaurorachis</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Hypolepis ambigua</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hypolepis dicksonioides</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Hypolepis lactea</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hypolepis millefolium</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hypolepis rufobarbata</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Leptolepia novae-zelandiae</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Paesia scaberula</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Pteridium esculentum</i>	Dennstaedtiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Dicksonia fibrosa</i>	Dicksoniaceae	Ferns*	Spores: Wind	3, 21	Not Threatened
<i>Dicksonia lanata</i>	Dicksoniaceae	Ferns*	Spores: Wind	3, 21	Not Threatened
<i>Dicksonia squarrosa</i>	Dicksoniaceae	Ferns*	Spores: Wind	3, 21	Not Threatened
<i>Arachniodes aristata</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Lastreopsis hispida</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Lastreopsis velutina</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Parapolystichum glabellum</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Parapolystichum microsorum</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened

<i>Polystichum cystostegium</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Polystichum neozelandicum</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Polystichum oculatum</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Polystichum silvaticum</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Polystichum vestitum</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Polystichum wawaranum</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Rumohra adiantiformis</i>	Dryopteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Dicranopteris linearis</i>	Gleicheniaceae	Ferns*	Spores: Wind	3	Threatened - Nationally Endangered
<i>Gleichenia alpina</i>	Gleicheniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Gleichenia dicarpa</i>	Gleicheniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Gleichenia microphylla</i>	Gleicheniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Sticherus cunninghamii</i>	Gleicheniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Sticherus flabellatus</i>	Gleicheniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Sticherus tener</i>	Gleicheniaceae	Ferns*	Spores: Wind	3	Threatened - Nationally Critical
<i>Hymenophyllum armstrongii</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum atrovirens</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Hymenophyllum australe</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Hymenophyllum bivalve</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum cupressiforme</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Hymenophyllum demissum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum dilatatum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum falklandicum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Hymenophyllum flabellatum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum flexuosum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum frankliniae</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum lyallii</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum malingii</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum minimum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum multifidum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum nephrophyllum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum peltatum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened

<i>Hymenophyllum pulcherrimum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum rarum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum revolutum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum rufescens</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum sanguinolentum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum scabrum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Hymenophyllum villosum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Trichomanes colensoi</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Trichomanes elongatum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Trichomanes endlicherianum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Trichomanes strictum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Trichomanes venosum</i>	Hymenophyllaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Lindsaea linearis</i>	Lindsaeaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Lindsaea trichomanoides</i>	Lindsaeaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Lindsaea viridis</i>	Lindsaeaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Loxsonia cunninghamii</i>	Loxsomataceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Lygodium articulatum</i>	Lygodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Ptisana salicina</i>	Marattiaceae	Ferns*	Spores: Wind	3	At risk - Declining
<i>Pilularia novae-hollandiae</i>	Marsileaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Nephrolepis brownii</i>	Nephrolepidaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Nephrolepis flexuosa</i>	Nephrolepidaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Botrychium australe</i>	Ophioglossaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Botrychium bifforme</i>	Ophioglossaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Botrychium lunaria</i>	Ophioglossaceae	Ferns*	Spores: Wind	3	Threatened - Nationally Critical
<i>Ophioglossum coriaceum</i>	Ophioglossaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Ophioglossum petiolatum</i>	Ophioglossaceae	Ferns*	Spores: Wind	3	Threatened - Nationally Critical
<i>Leptopteris hymenophylloides</i>	Osmundaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Leptopteris superba</i>	Osmundaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Todea barbara</i>	Osmundaceae	Ferns*	Spores: Wind	3	Threatened - Nationally Vulnerable
<i>Dendroconche scandens</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Loxogramme dictyopteris</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened

<i>Notogrammitis angustifolia</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Notogrammitis billardierei</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Notogrammitis ciliata</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Notogrammitis givenii</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Notogrammitis gunnii</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Data deficient
<i>Notogrammitis heterophylla</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Notogrammitis patagonica</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Notogrammitis pseudociliata</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Notogrammitis rawlingsii</i>	Polypodiaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Notogrammitis rigida</i>	Polypodiaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Pyrrosia elaeagnifolia</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Zealandia novae-zealandiae</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Zealandia pustulata</i>	Polypodiaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Psilotum nudum</i>	Psilotaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Tmesipteris elongata</i>	Psilotaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Tmesipteris horomaka</i>	Psilotaceae	Ferns*	Spores: Wind	3	Threatened - Nationally Endangered
<i>Tmesipteris lanceolata</i>	Psilotaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Tmesipteris sigmatifolia</i>	Psilotaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Tmesipteris tannensis</i>	Psilotaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Adiantum aethiopicum</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Adiantum cunninghamii</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Adiantum diaphanum</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Adiantum formosum</i>	Pteridaceae	Ferns*	Spores: Wind	3	At risk - Relict
<i>Adiantum fulvum</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Adiantum hispidulum</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Adiantum viridescens</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Anogramma leptophylla</i>	Pteridaceae	Ferns*	Spores: Wind	3	Threatened - Nationally Vulnerable
<i>Cheilanthes distans</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Cheilanthes sieberi</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Pellaea calidirupium</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Pellaea falcata</i>	Pteridaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon

<i>Pellaea rotundifolia</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Pteris carsei</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Pteris macilentata</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Pteris saxatilis</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Pteris tremula</i>	Pteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Pteris vittata</i>	Pteridaceae	Ferns*	Spores: Wind	3	Introduced and Naturalized
<i>Azolla rubra</i>	Salviniaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Schizaea australis</i>	Schizaeaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Schizaea bifida</i>	Schizaeaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Schizaea dichotoma</i>	Schizaeaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Schizaea fistulosa</i>	Schizaeaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Arthropteris tenella</i>	Tectariaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Christella dentata</i>	Thelypteridaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Cyclosorus interruptus</i>	Thelypteridaceae	Ferns*	Spores: Wind	3	At risk - Declining
<i>Macrothelypteris torresiana</i>	Thelypteridaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Pneumatopteris pennigera</i>	Thelypteridaceae	Ferns*	Spores: Wind	3	Not Threatened
<i>Thelypteris confluens</i>	Thelypteridaceae	Ferns*	Spores: Wind	3	At risk - Naturally Uncommon
<i>Agathis australis</i>	Araucariaceae	Gymnosperms*	Wind	2, 13, 21, 22	Threatened - Nationally Vulnerable
<i>Libocedrus bidwillii</i>	Cupressaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Libocedrus plumosa</i>	Cupressaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Phyllocladus alpinus</i>	Phyllocladaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Phyllocladus toatoa</i>	Phyllocladaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Phyllocladus trichomanoides</i>	Phyllocladaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Dacrycarpus dacrydioides</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Dacrydium cupressinum</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Halocarpus bidwillii</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Halocarpus biformis</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Halocarpus kirkii</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	At risk - Relict
<i>Lepidothamnus intermedius</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Lepidothamnus laxifolius</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Manoao colensoi</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened

<i>Pectinopitys ferruginea</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Podocarpus acutifolius</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Podocarpus laetus</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Podocarpus nivalis</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Podocarpus totara</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Prumnopitys taxifolia</i>	Podocarpaceae	Gymnosperms*	Wind	2, 13, 21, 22	Not Threatened
<i>Trithuria inconspicua</i>	Hydatellaceae	Nymphaeales	Wind	21	Threatened - Nationally Vulnerable
<i>Laurelia novae-zelandiae</i>	Atherospermataceae	Magnoliids	Bird/insect	18, 22	Not Threatened
<i>Beilschmiedia tarairi</i>	Lauraceae	Magnoliids	Bird/insect	18	Not Threatened
<i>Beilschmiedia tawa</i>	Lauraceae	Magnoliids	Bird/insect	18, 22	Not Threatened
<i>Cassytha paniculata</i>	Lauraceae	Magnoliids	Unclear. Probably Insect?	5, 21	Not Threatened
<i>Cassytha pubescens</i>	Lauraceae	Magnoliids	Unclear. Probably Insect?	5, 21	Non - Resident Native Coloniser
<i>Litsea calicaris</i>	Lauraceae	Magnoliids	Bird/insect	18	Not Threatened
<i>Hedycarya arborea</i>	Monimiaceae	Magnoliids	Bird/insect	18	Not Threatened
<i>Peperomia leptostachya</i>	Piperaceae	Magnoliids	Wind	21	Non - Resident Native Coloniser
<i>Peperomia tetraphylla</i>	Piperaceae	Magnoliids	Wind	21	At risk - Naturally Uncommon
<i>Peperomia urovilleana</i>	Piperaceae	Magnoliids	Wind	21	Not Threatened
<i>Piper excelsum</i>	Piperaceae	Magnoliids	Wind	20, 21	Not Threatened
<i>Piper melchior</i>	Piperaceae	Magnoliids	Wind	21	At risk - Naturally Uncommon
<i>Pseudowintera axillaris</i>	Winteraceae	Magnoliids	Bird/insect	18	Not Threatened
<i>Pseudowintera colorata</i>	Winteraceae	Magnoliids	Bird/insect	18	Not Threatened
<i>Pseudowintera insperata</i>	Winteraceae	Magnoliids	Bird/insect	18	Threatened - Nationally Critical
<i>Pseudowintera traversii</i>	Winteraceae	Magnoliids	Bird/insect	18	At risk - Naturally Uncommon
<i>Ascarina lucida</i>	Chloranthaceae	Chloranthales	Wind	21	Not Threatened
<i>Luzuriaga parviflora</i>	Alstroemeriaceae	Monocots I	Insect	7, 21	Not Threatened
<i>Lemna disperma</i>	Araceae	Monocots I	Insect	13, 14, 29	Data deficient
<i>Wolffia australiana</i>	Araceae	Monocots I	Insect	13, 14, 29	Not Threatened
<i>Arthropodium bifurcatum</i>	Asparagaceae	Monocots I	Insect	21	At risk - Relict
<i>Arthropodium candidum</i>	Asparagaceae	Monocots I	Insect	21	Not Threatened
<i>Arthropodium cirratum</i>	Asparagaceae	Monocots I	Insect	21	Not Threatened
<i>Cordyline australis</i>	Asparagaceae	Monocots I	Bird/insect	18, 22	Not Threatened

<i>Cordyline banksii</i>	Asparagaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Cordyline indivisa</i>	Asparagaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Cordyline obtecta</i>	Asparagaceae	Monocots I	Bird/insect	22	At risk - Naturally Uncommon
<i>Cordyline pumilio</i>	Asparagaceae	Monocots I	Bird/insect	22	Not Threatened
<i>Bulbinella angustifolia</i>	Asphodelaceae	Monocots I	Insect	21	Not Threatened
<i>Bulbinella gibbsii</i>	Asphodelaceae	Monocots I	Insect	21	Not Threatened
<i>Bulbinella hookeri</i>	Asphodelaceae	Monocots I	Insect	21	Not Threatened
<i>Bulbinella modesta</i>	Asphodelaceae	Monocots I	Insect	21	At risk - Declining
<i>Bulbinella rossii</i>	Asphodelaceae	Monocots I	Insect	21	At risk - Naturally Uncommon
<i>Bulbinella talbotii</i>	Asphodelaceae	Monocots I	Insect	21	At risk - Naturally Uncommon
<i>Astelia banksii</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia chathamica</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	At risk - Recovering
<i>Astelia fragrans</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia graminea</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia grandis</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia hastata</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia linearis</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia microsperma</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia nervosa</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia nivicola</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia petriei</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia skottsbergii</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia solandri</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Astelia subulata</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Astelia trinervia</i>	Asteliaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Wurmbea novae-zelandiae</i>	Colchicaceae	Monocots I	Insect?	21	Threatened - Nationally Endangered
<i>Libertia cranwelliae</i>	Iridaceae	Monocots I	Insect	13, 14	Threatened - Nationally Critical
<i>Libertia edgariae</i>	Iridaceae	Monocots I	Insect	13, 14	At risk - Naturally Uncommon
<i>Libertia flaccidifolia</i>	Iridaceae	Monocots I	Insect	13, 14	Threatened - Nationally Critical
<i>Libertia grandiflora</i>	Iridaceae	Monocots I	Insect	13, 14	Not Threatened
<i>Libertia ixioides</i>	Iridaceae	Monocots I	Insect	13, 14	Not Threatened



<i>Libertia micrantha</i>	Iridaceae	Monocots I	Insect	13, 14	Not Threatened
<i>Libertia mooreae</i>	Iridaceae	Monocots I	Insect	13, 14	Not Threatened
<i>Libertia peregrinans</i>	Iridaceae	Monocots I	Insect	13, 14	At risk - Naturally Uncommon
<i>Triglochin palustris</i>	Juncaginaceae	Monocots I	Wind	21, 28	Threatened - Nationally Critical
<i>Triglochin striata</i>	Juncaginaceae	Monocots I	Wind	21, 28	Not Threatened
<i>Acianthus sinclairii</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Adenochilus gracilis</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Aporostylis bifolia</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Bulbophyllum pygmaeum</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Bulbophyllum tuberculatum</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Caladenia alata</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Caladenia atradenia</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Caladenia bartlettii</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Caladenia chlorostyla</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Caladenia lyallii</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Caladenia minor</i>	Orchidaceae	Monocots I	Insect	16, 21	Data deficient
<i>Caladenia nothofageti</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Caladenia variegata</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Caleana minor</i>	Orchidaceae	Monocots I	Insect	16, 21	Threatened - Nationally Critical
<i>Calochilus herbaceus</i>	Orchidaceae	Monocots I	Insect	16, 21	Threatened - Nationally Critical
<i>Calochilus paludosus</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Calochilus robertsonii</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Chiloglottis cornuta</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Chiloglottis formicifera</i>	Orchidaceae	Monocots I	Insect	16, 21	Non - resident Native Vagrant
<i>Chiloglottis trapeziformis</i>	Orchidaceae	Monocots I	Insect	16, 21	Non - resident Native Vagrant
<i>Chiloglottis valida</i>	Orchidaceae	Monocots I	Insect	16, 21	Non - resident Native Vagrant
<i>Corunastylis nuda</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Corunastylis pumila</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Corybas acuminatus</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas carsei</i>	Orchidaceae	Monocots I	Insect	16, 21	Threatened - Nationally Critical
<i>Corybas cheesemanii</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened

<i>Corybas cryptanthus</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Corybas dienemus</i>	Orchidaceae	Monocots I	Insect	16, 21	Threatened - Nationally Critical
<i>Corybas hatchii</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas hypogaeus</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Corybas iridescens</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas macranthus</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas oblongus</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas orbiculatus</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas papa</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas papillosum</i>	Orchidaceae	Monocots I	Insect	16, 21	Data deficient
<i>Corybas rivularis</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas rotundifolius</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Corybas sulcatus</i>	Orchidaceae	Monocots I	Insect	16, 21	Data deficient
<i>Corybas trilobus</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Cryptostylis subulata</i>	Orchidaceae	Monocots I	Insect	16, 21	Non - Resident Native Coloniser
<i>Cyrtostylis oblonga</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Cyrtostylis rotundifolia</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Danhatchia australis</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Dendrobium cunninghamii</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Drymoanthus adversus</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Drymoanthus flavus</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Declining
<i>Earina aestivalis</i>	Orchidaceae	Monocots I	Bird/insect	18	Not Threatened
<i>Earina autumnalis</i>	Orchidaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Earina mucronata</i>	Orchidaceae	Monocots I	Bird/insect	18	Not Threatened
<i>Gastrodia cunninghamii</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Gastrodia minor</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Gastrodia sesamoides</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Microtis oligantha</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Microtis parviflora</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Microtis unifolia</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Orthoceras novae-zeelandiae</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened

<i>Prasophyllum colensoi</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Prasophyllum hectorii</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Declining
<i>Pterostylis agathicola</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis alobula</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis alveata</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Non - Resident Native Coloniser
<i>Pterostylis areolata</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis auriculata</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Naturally Uncommon
<i>Pterostylis australis</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis banksii</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis brumalis</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis cardiostigma</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis cernua</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Naturally Uncommon
<i>Pterostylis foliata</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Naturally Uncommon
<i>Pterostylis graminea</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis humilis</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Naturally Uncommon
<i>Pterostylis irsoniana</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis irwinii</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Threatened - Nationally Endangered
<i>Pterostylis micromega</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Threatened - Nationally Endangered
<i>Pterostylis montana</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis nutans</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Non - resident Native Vagrant
<i>Pterostylis oliveri</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis paludosa</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Declining
<i>Pterostylis patens</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis porrecta</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Naturally Uncommon
<i>Pterostylis puberula</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Threatened - Nationally Vulnerable
<i>Pterostylis silvoicultrix</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Naturally Uncommon
<i>Pterostylis tanypoda</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Declining
<i>Pterostylis tasmanica</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Threatened - Nationally Vulnerable
<i>Pterostylis tristis</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	At risk - Declining
<i>Pterostylis trullifolia</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened
<i>Pterostylis venosa</i>	Orchidaceae	Monocots I	Insect	16, 21, 22	Not Threatened

<i>Spiranthes novae-zelandiae</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Declining
<i>Taeniophyllum northlandicum</i>	Orchidaceae	Monocots I	Insect	16, 21	Non - Resident Native Coloniser
<i>Thelymitra aemula</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Thelymitra carnea</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Thelymitra colensoi</i>	Orchidaceae	Monocots I	Insect	16, 21	Data deficient
<i>Thelymitra cyanea</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Thelymitra formosa</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Thelymitra hatchii</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Thelymitra ixioides</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Thelymitra longifolia</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Thelymitra malvina</i>	Orchidaceae	Monocots I	Insect	16, 21	Non - Resident Native Coloniser
<i>Thelymitra matthewsii</i>	Orchidaceae	Monocots I	Insect	16, 21	Threatened - Nationally Critical
<i>Thelymitra nervosa</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Thelymitra pauciflora</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Thelymitra pulchella</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Thelymitra sanscilia</i>	Orchidaceae	Monocots I	Insect	16, 21	Threatened - Nationally Critical
<i>Thelymitra tholiformis</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Townsonia deflexa</i>	Orchidaceae	Monocots I	Insect	16, 21	At risk - Naturally Uncommon
<i>Waireia stenopetala</i>	Orchidaceae	Monocots I	Insect	16, 21	Not Threatened
<i>Freycinetia banksii</i>	Pandanaceae	Monocots I	Bird/insect	18, 21	Not Threatened
<i>Althenia bilocularis</i>	Potamogetonaceae	Monocots I	Wind/Water	8	Threatened - Nationally Vulnerable
<i>Potamogeton cheesemaniae</i>	Potamogetonaceae	Monocots I	Wind (water?)	21	Not Threatened
<i>Potamogeton ochreatus</i>	Potamogetonaceae	Monocots I	Wind (water?)	21	Not Threatened
<i>Potamogeton suboblongus</i>	Potamogetonaceae	Monocots I	Wind (water?)	21	Not Threatened
<i>Stuckenia pectinata</i>	Potamogetonaceae	Monocots I	Wind (water?)	21	At risk - Naturally Uncommon
<i>Zannichellia palustris</i>	Potamogetonaceae	Monocots I	Water	15	At risk - Naturally Uncommon
<i>Ripogonum scandens</i>	Ripogonaceae	Monocots I	Bird/insect	18, 22	Not Threatened
<i>Ruppia megacarpa</i>	Ruppiaceae	Monocots I	Wind/Water	17	At risk - Naturally Uncommon
<i>Ruppia polycarpa</i>	Ruppiaceae	Monocots I	Wind/Water	17	Not Threatened
<i>Thismia rodwayi</i>	Thismiaceae	Monocots I	Unclear	25	At risk - Naturally Uncommon
<i>Dianella haemastica</i>	Xanthorrhoeaceae	Monocots I	Insect	21	Not Threatened

<i>Dianella latissima</i>	Xanthorrhoeaceae	Monocots I	Insect	21	Not Threatened
<i>Dianella nigra</i>	Xanthorrhoeaceae	Monocots I	Insect	21	Not Threatened
<i>Herpolirion novae-zelandiae</i>	Xanthorrhoeaceae	Monocots I	Insect	21	Not Threatened
<i>Phormium cookianum</i>	Xanthorrhoeaceae	Monocots I	Bird	18	Not Threatened
<i>Phormium tenax</i>	Xanthorrhoeaceae	Monocots I	Bird	18, 22	Not Threatened
<i>Xeronema callistemon</i>	Xeronemataceae	Monocots I	Bird	18, 21	At risk - Naturally Uncommon
<i>Zostera muelleri</i>	Zosteraceae	Monocots I	Water (Wind)	38	At risk - Declining
<i>Rhopalostylis baueri</i>	Arecaceae	Monocots II - Commelinids	Insect/Wind	21	At risk - Naturally Uncommon
<i>Rhopalostylis sapida</i>	Arecaceae	Monocots II - Commelinids	Bird/insect	18, 22	Not Threatened
<i>Bolboschoenus caldwellii</i>	Cyperaceae	Monocots II - Commelinids	Wind	22, 38	Not Threatened
<i>Bolboschoenus fluviatilis</i>	Cyperaceae	Monocots II - Commelinids	Wind	22, 38	Not Threatened
<i>Bolboschoenus medianus</i>	Cyperaceae	Monocots II - Commelinids	Wind	22, 38	Not Threatened
<i>Carex acicularis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex albula</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Carex allanii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex appressa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex astonii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex stricta</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex aucklandica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex banksiana</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex breviculmis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex buchananii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex calcis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex capillacea</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Carex carsei</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex chathamica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex cheesemani</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex cirrhosa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Endangered
<i>Carex cockayneana</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex colensoi</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex comans</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened

<i>Carex coriacea</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex corynoidea</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex cremnicola</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Carex crispa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex cyanea</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex dallii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex decurtata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Data deficient
<i>Carex devia</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex diandra</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex dipsacea</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex dissita</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex dolomitica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Carex druceana</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex drucei</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex echinata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex edgariae</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex edura</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex egmontiana</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex elingamita</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex enysii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex erebus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex erythrovaginata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex fascicularis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex filamentosa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex flagellifera</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex flaviformis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex forsteri</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex fretalis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex gaudichaudiana</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex geminata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex goyenii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened

<i>Carex hamlinii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex healyi</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex hectorii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex horizontalis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex imbecilla</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex impexa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex inopinata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Carex inoersa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex kaloides</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex kermadecensis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex kirkii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex lachenalii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex lambertiana</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex lectissima</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex lessoniana</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex libera</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex litorosa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex longifructus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex maorica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex megalepis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex minor</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex muelleri</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex obtusifolia</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex ochrosaccus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex ophiolithica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex parvoispica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex penalpina</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex perplexa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex petriei</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex pleiostachys</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex potens</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened

<i>Carex pterocarpa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex pumila</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex punicea</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex purpurata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex pyrenaica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex raoulii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex resectans</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex rubicunda</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Carex secta</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex sectoides</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex silvestris</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex sinclairii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex solandri</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex spirostris</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex strictissima</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Endangered
<i>Carex subdola</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex subtilis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex subviridis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex talbotii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex tenuiculmis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Carex ternaria</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex testacea</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex trachycarpa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex traversii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex trifida</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex uncifolia</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Carex uncinata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex ventosa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Carex virgata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex wakatipu</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Carex zotovii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened



<i>Carpha alpina</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Cyperus insularis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Cyperus ustulatus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Eleocharis acuta</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Eleocharis gracilis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Eleocharis neozelandica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Eleocharis pusilla</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Eleocharis sphacelata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Ficinia nodosa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Ficinia spiralis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Fimbristylis velata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Gahnia lacera</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Gahnia pauciflora</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Gahnia procera</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Gahnia rigida</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Gahnia setifolia</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Gahnia xanthocarpa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis aucklandica</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis basilaris</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Isolepis caligenis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis cernua</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis crassiuscula</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Isolepis distigmatosa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis habra</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis inundata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis lenticularis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Isolepis pottsii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis praetextata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis prolifera</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis reticularis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Isolepis subtilissima</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened

<i>Lepidosperma australe</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lepidosperma laterale</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lepidosperma neozelandicum</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Machaerina arthropophylla</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Machaerina articulata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Machaerina complanata</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Machaerina juncea</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Machaerina rubiginosa</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Machaerina sinclairii</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Machaerina tenax</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Machaerina teretifolia</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Morelotia affinis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Netrostylis capillaris</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Oreobolus impar</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Oreobolus pectinatus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Oreobolus strictus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Schoenoplectus pungens</i>	Cyperaceae	Monocots II - Commelinids	Wind	22, 38	Not Threatened
<i>Schoenoplectus tabernaemontani</i>	Cyperaceae	Monocots II - Commelinids	Wind	22, 38	Not Threatened
<i>Schoenus apogon</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Schoenus brevifolius</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Schoenus caespitans</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Schoenus carsei</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Schoenus concinnus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Schoenus fluitans</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Schoenus maschalinus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Schoenus nitens</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Schoenus pauciflorus</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Schoenus tendo</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Scirpus polystachyus</i>	Cyperaceae	Monocots II - Commelinids	Wind	22, 38	Non - Resident Native Coloniser
<i>Uncinia viridis</i>	Cyperaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus antarcticus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened

<i>Juncus australis</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus caespiticius</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Juncus distegus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Juncus edgariae</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus holoschoenus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Juncus kraussii</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus novae-zelandiae</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus pallidus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus pauciflorus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Juncus planifolius</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus prismatocarpus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus pusillus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Juncus sarophorus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Juncus scheuchzerioides</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Juncus usitatus</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula banksiana</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula celata</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Luzula colensoi</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula crenulata</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Luzula crinita</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula decipiens</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula leptophylla</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Luzula picta</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula pumila</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula rufa</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula subclavata</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula traversii</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Luzula ulophylla</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Marsippospermum gracile</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rostkovia magellanica</i>	Juncaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Achnatherum petriei</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining

<i>Agrostis dyeri</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Agrostis imbecilla</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Data deficient
<i>Agrostis magellanica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Agrostis muelleriana</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Agrostis muscosa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Agrostis oresbia</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Agrostis pallescens</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Agrostis personata</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Agrostis petriei</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Agrostis subulata</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Amphibromus fluitans</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Anemanthele lessoniana</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Relict
<i>Anthosachne aprica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Anthosachne falcis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Anthosachne kingiana</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Anthosachne sacandros</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Anthosachne solandri</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Australopyrum calcis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Endangered
<i>Austroderia fulvida</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Austroderia richardii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Austroderia splendens</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Austroderia toetoe</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Austroderia turbaria</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Endangered
<i>Austrostipa stipoides</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Bromus arenarius</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Cenchrus caliculatus</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Chionochloa acicularis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa antarctica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Chionochloa australis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa beddiei</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Chionochloa bromoides</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon

<i>Chionochloa cheesemanii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa conspicua</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa crassiuscula</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa defracta</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Chionochloa flavescens</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa flavicans</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa juncea</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Chionochloa lanea</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Chionochloa macra</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa nivifera</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Chionochloa oreophila</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa ovata</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Chionochloa pallens</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa rigida</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa rubra</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa spiralis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Chionochloa teretifolia</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Chionochloa vireta</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Connorochloa tenuis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Data deficient
<i>Deschampsia cespitosa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Deschampsia chapmanii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Deschampsia gracillima</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Deschampsia pusilla</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Deschampsia tenella</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Deyeuxia aucklandica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Deyeuxia avenoides</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Deyeuxia lacustris</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Deyeuxia quadriseta</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Deyeuxia youngii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Dichelachne crinita</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Dichelachne inaequiglumis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon

<i>Dichelachne lautumia</i> Edgar & Connor	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Endangered
<i>Dichelachne micrantha</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Echinopogon ovatus</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Festuca actae</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Festuca contracta</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Festuca coxii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Festuca deflexa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Festuca luciarum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Festuca madida</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Festuca matthewsii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Festuca multinodis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Festuca novae-zelandiae</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Festuca ultramafica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Hierochloe brunonis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Hierochloe cuprea</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Hierochloe equisetata</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Hierochloe fusca</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Hierochloe novae-zelandiae</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Hierochloe recurvata</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Hierochloe redolens</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Imperata cheesemanii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Isachne globosa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Koeleria cheesemanii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Koeleria novozelandica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Koeleria riguorum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Lachnagrostis ammobia</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Lachnagrostis billardiarei</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lachnagrostis elata</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lachnagrostis fliformis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lachnagrostis glabra</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Data deficient
<i>Lachnagrostis leptostachys</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon

<i>Lachnagrostis littoralis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lachnagrostis lyallii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lachnagrostis pilosa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lachnagrostis striata</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Lachnagrostis tenuis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Lachnagrostis uda</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Lepturus repens</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Non - resident Native Vagrant
<i>Microlaena avenacea</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Microlaena carsei</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Endangered
<i>Microlaena polynoda</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Microlaena stipoides</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Oplismenus hirtellus</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Paspalum orbiculare</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Vulnerable
<i>Poa acicularifolia</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa anceps</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa antipoda</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa astonii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa aucklandica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa billardierei</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Poa breviglumis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa buechananii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa celsa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa chathamica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa cita</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa cockayneana</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa colensoi</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa cookii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Evaluated
<i>Poa dipsacea</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa foliosa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa hesperia</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa imbecilla</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened

<i>Poa incrassata</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa intrusa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Data deficient
<i>Poa kirkii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa lindsayi</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa litorosa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa maia</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa maniototo</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa matthewsii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa novae-zelandiae</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa polyphylla</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa pusilla</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa pygmaea</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa ramosissima</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa schistacea</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa senex</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa spania</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Poa sublimis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa subvestita</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa sudicola</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa tennantiana</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Poa tonsa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Poa xenica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Puccinellia antipoda</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Puccinellia chathamica</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Puccinellia macquariensis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Puccinellia raroflorens</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Puccinellia stricta</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Puccinellia walkeri</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Rytidosperma australe</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma biannulare</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma buchananii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining



<i>Rytidosperma clavatum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma corinum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma exiguum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Rytidosperma gracile</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma horrens</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Rytidosperma maculatum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Data deficient
<i>Rytidosperma merum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Rytidosperma nigricans</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma petrosum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Rytidosperma pulchrum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Rytidosperma pumilum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma setifolium</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma telmaticum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Rytidosperma thomsonii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Rytidosperma unarede</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Rytidosperma viride</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Simplicia buchananii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Simplicia laxa</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Threatened - Nationally Critical
<i>Spinifex sericeus</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Stenostachys deceptorix</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Stenostachys enysii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Stenostachys gracilis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Stenostachys laevis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Trisetum antarcticum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Trisetum arduanum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Trisetum drucei</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Trisetum lasiorhachis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Trisetum lepidum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Trisetum serpentinum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Trisetum spicatum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Trisetum tenellum</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened

<i>Trisetum youngii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Zotovia acicularis</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Naturally Uncommon
<i>Zotovia colensoi</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Zotovia thomsonii</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Zoysia minima</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	At risk - Declining
<i>Zoysia pauciflora</i>	Poaceae	Monocots II - Commelinids	Wind	21, 22, 38	Not Threatened
<i>Apodasmia similis</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	Not Threatened
<i>Centrolepis ciliata</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	Not Threatened
<i>Centrolepis minima</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	At risk - Naturally Uncommon
<i>Centrolepis pallida</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	Not Threatened
<i>Centrolepis strigosa</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	Threatened - Nationally Endangered
<i>Empodisma minus</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	Not Threatened
<i>Gaimardia setacea</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	Not Threatened
<i>Sporadanthus ferrugineus</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	At risk - Relict
<i>Sporadanthus traversii</i>	Restionaceae	Monocots II - Commelinids	Wind	21, 24	At risk - Naturally Uncommon
<i>Sparganium subglobosum</i>	Sparganiaceae	Monocots II - Commelinids	Wind	21	Not Threatened
<i>Typha orientalis</i>	Typhaceae	Monocots II - Commelinids	Wind	21, 31, 38	Not Threatened
<i>Gunnera arenaria</i>	Gunneraceae	Eudicots	Insect	21	At risk - Declining
<i>Gunnera densiflora</i>	Gunneraceae	Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Gunnera dentata</i>	Gunneraceae	Eudicots	Insect	21	Not Threatened
<i>Gunnera hamiltonii</i>	Gunneraceae	Eudicots	Insect	21	Threatened - Nationally Critical
<i>Gunnera monoica</i>	Gunneraceae	Eudicots	Insect	21	Not Threatened
<i>Gunnera prorepens</i>	Gunneraceae	Eudicots	Insect	21	Not Threatened
<i>Knightia excelsa</i>	Proteaceae	Eudicots	Bird	18, 21, 22	Not Threatened
<i>Toronia toru</i>	Proteaceae	Eudicots	Bird/insect	18, 22	Not Threatened
<i>Anemonastrum tenuicaule</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Caltha novae-zelandiae</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Caltha obtusa</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ceratocephala pungens</i>	Ranunculaceae	Eudicots	Insect	21, 30	Threatened - Nationally Critical
<i>Clematis afoliata</i>	Ranunculaceae	Eudicots	Bird/insect	18	Not Threatened
<i>Clematis cunninghamii</i>	Ranunculaceae	Eudicots	Bird/insect	18	Not Threatened

<i>Clematis foetida</i>	Ranunculaceae	Eudicots	Bird/insect	18	Not Threatened
<i>Clematis forsteri</i>	Ranunculaceae	Eudicots	Bird/insect	18	Not Threatened
<i>Clematis marata</i>	Ranunculaceae	Eudicots	Bird/insect	18	Not Threatened
<i>Clematis marmoraria</i>	Ranunculaceae	Eudicots	Bird/insect	18	Threatened - Nationally Vulnerable
<i>Clematis paniculata</i>	Ranunculaceae	Eudicots	Bird/insect	18	Not Threatened
<i>Clematis petriei</i>	Ranunculaceae	Eudicots	Bird/insect	18	Not Threatened
<i>Clematis quadribacteolata</i>	Ranunculaceae	Eudicots	Bird/insect	18	At risk - Naturally Uncommon
<i>Myosurus minimus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Threatened - Nationally Vulnerable
<i>Ranunculus acaulis</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus acraeus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Threatened - Nationally Endangered
<i>Ranunculus altus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus amphitrichus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus brevis</i>	Ranunculaceae	Eudicots	Insect	21, 30	Threatened - Nationally Endangered
<i>Ranunculus buchananii</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Declining
<i>Ranunculus carsei</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus cheesemanii</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus crassipes</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus crithmifolius</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus enysii</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus foliosus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus glabrifolius</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus godleyanus</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Recovering
<i>Ranunculus gracilipes</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus grahamii</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus haastii</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Declining
<i>Ranunculus insignis</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus kirkii</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus limosella</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus lyallii</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus macropus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Data deficient
<i>Ranunculus maculatus</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon

<i>Ranunculus membranifolius</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus mirus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus multiscapus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus nivicola</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus pachyrrhizus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus paucifolius</i>	Ranunculaceae	Eudicots	Insect	21, 30	Threatened - Nationally Critical
<i>Ranunculus pilifera</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Declining
<i>Ranunculus pinguis</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus raneeorum</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus recens</i>	Ranunculaceae	Eudicots	Insect	21, 30	Threatened - Nationally Vulnerable
<i>Ranunculus reflexus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus royi</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus scritchalis</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus sericophyllus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus simulans</i>	Ranunculaceae	Eudicots	Insect	21, 30	Data deficient
<i>Ranunculus stylosus</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus subscaposus</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Naturally Uncommon
<i>Ranunculus ternatifolius</i>	Ranunculaceae	Eudicots	Insect	21, 30	Threatened - Nationally Vulnerable
<i>Ranunculus urvilleanus</i>	Ranunculaceae	Eudicots	Insect	21, 30	At risk - Declining
<i>Ranunculus verticillatus</i>	Ranunculaceae	Eudicots	Insect	21, 30	Not Threatened
<i>Ranunculus viridis</i>	Ranunculaceae	Eudicots	Insect	21, 30	Threatened - Nationally Critical
<i>Avicennia marina</i>	Acanthaceae	Core Eudicots	Insect	21	Not Threatened
<i>Disphyma australe</i>	Aizoaceae	Core Eudicots	Insect	21	Not Threatened
<i>Disphyma clavellatum</i>	Aizoaceae	Core Eudicots	Insect	21	Non - Resident Native Coloniser
<i>Disphyma papillatum</i>	Aizoaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Tetragonia implexicoma</i>	Aizoaceae	Core Eudicots	Insect	21	Not Threatened
<i>Tetragonia tetragonoides</i>	Aizoaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Alseuosmia banksii</i>	Alseuosmiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Alseuosmia macrophylla</i>	Alseuosmiaceae	Core Eudicots	Bird	18, 22	Not Threatened
<i>Alseuosmia pusilla</i>	Alseuosmiaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Alseuosmia quercifolia</i>	Alseuosmiaceae	Core Eudicots	Bird/insect	18	Not Threatened

<i>Alseuosmia turneri</i>	Alseuosmiaceae	Core Eudicots	Bird/insect	18	At risk - Naturally Uncommon
<i>Achyranthes velutina</i>	Amaranthaceae	Core Eudicots	Insect	27	At risk - Naturally Uncommon
<i>Alternanthera denticulata</i>	Amaranthaceae	Core Eudicots	Insect	27	Not Threatened
<i>Alternanthera nahui</i>	Amaranthaceae	Core Eudicots	Insect	27	Not Threatened
<i>Atriplex australasica</i>	Amaranthaceae	Core Eudicots	Insect	27	At risk - Relict
<i>Atriplex billardierei</i>	Amaranthaceae	Core Eudicots	Insect	27	Threatened - Nationally Endangered
<i>Atriplex buchananii</i>	Amaranthaceae	Core Eudicots	Insect	27	Threatened - Nationally Vulnerable
<i>Atriplex cinerea</i>	Amaranthaceae	Core Eudicots	Insect	27	Threatened - Nationally Critical
<i>Atriplex hollowayi</i>	Amaranthaceae	Core Eudicots	Insect	27	Threatened - Nationally Critical
<i>Chenopodium allanii</i>	Amaranthaceae	Core Eudicots	Insect	27	At risk - Naturally Uncommon
<i>Chenopodium detestans</i>	Amaranthaceae	Core Eudicots	Insect	27	Threatened - Nationally Critical
<i>Chenopodium triandrum</i>	Amaranthaceae	Core Eudicots	Insect	27	Not Threatened
<i>Chenopodium trigonon</i>	Amaranthaceae	Core Eudicots	Insect	27	Not Threatened
<i>Oxybasis ambigua</i>	Amaranthaceae	Core Eudicots	Insect	27	At risk - Declining
<i>Salicornia quinqueflora</i>	Amaranthaceae	Core Eudicots	Insect	27	Not Threatened
<i>Suaeda novae-zelandiae</i>	Amaranthaceae	Core Eudicots	Insect	27	Not Threatened
<i>Aciphylla anomala</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla aurea</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla cartilaginea</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla colensoi</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla congesta</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla crenulata</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla crosby-smithii</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla dieffenbachii</i>	Apiaceae	Core Eudicots	Insect	19, 21	Threatened - Nationally Vulnerable
<i>Aciphylla dissecta</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla divisa</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla dobsonii</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla ferox</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla glaucescens</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla hectorii</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla hookeri</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened

<i>Aciphylla horrida</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla indurata</i>	Apiaceae	Core Eudicots	Insect	19, 21	Data deficient
<i>Aciphylla kirkii</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla lecomtei</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining
<i>Aciphylla leighii</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla lyallii</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla monroi</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla montana</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla multisecta</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining
<i>Aciphylla pinnatifida</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla polita</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla scott-thomsonii</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla similis</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Aciphylla simplex</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla spedenii</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla squarrosa</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla stannensis</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla subflabellata</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining
<i>Aciphylla takahea</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining
<i>Aciphylla traillii</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Aciphylla traversii</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Recovering
<i>Aciphylla trifoliolata</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Actinotus novae-zelandiae</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Anisotome acutifolia</i>	Apiaceae	Core Eudicots	Insect	19, 21	Threatened - Nationally Critical
<i>Anisotome antipoda</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Anisotome aromatica</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Anisotome brevistylis</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Anisotome capillifolia</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining
<i>Anisotome cauticola</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining
<i>Anisotome deltoidea</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Anisotome filifolia</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened

<i>Anisotome flexuosa</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Anisotome haastii</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Anisotome imbricata</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Anisotome lanuginosa</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Anisotome latifolia</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Anisotome lyallii</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Relict
<i>Anisotome patula</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining
<i>Anisotome pilifera</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining
<i>Anisotome procumbens</i>	Apiaceae	Core Eudicots	Insect	19, 21	Exotic?
<i>Apium prostratum</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Azorella allanii</i>	Apiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Azorella cockaynei</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Azorella colensoi</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Azorella exigua</i>	Apiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Azorella haastii</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Azorella hookeri</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Azorella hydrocotyloides</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Azorella lyallii</i>	Apiaceae	Core Eudicots	Insect	21	At risk - Recovering
<i>Azorella macquariensis</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Azorella nitens</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Azorella pallida</i>	Apiaceae	Core Eudicots	Insect	21	Data deficient
<i>Azorella polaris</i>	Apiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Azorella robusta</i>	Apiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Azorella roughii</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Azorella schizeilema</i>	Apiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Centella uniflora</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Chaerophyllum basicola</i>	Apiaceae	Core Eudicots	Insect	19, 21	Threatened - Nationally Critical
<i>Chaerophyllum colensoi</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Chaerophyllum novae-zelandiae</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Chaerophyllum ramosum</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Daucus glochidiatus</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Declining

<i>Eryngium vesiculosum</i>	Apiaceae	Core Eudicots	Insect	19, 21	Threatened - Nationally Vulnerable
<i>Gingidia baxterae</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Gingidia decipiens</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Gingidia enysii</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Gingidia flabellata</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Gingidia grisea</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Gingidia montana</i>	Apiaceae	Core Eudicots	Insect	19, 21	Not Threatened
<i>Gingidia trifoliolata</i>	Apiaceae	Core Eudicots	Insect	19, 21	At risk - Naturally Uncommon
<i>Lignocarpa carnosula</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Lignocarpa diversifolia</i>	Apiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Lilaeopsis novae-zelandiae</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Lilaeopsis ruthiana</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Scandia geniculata</i>	Apiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Scandia rosifolia</i>	Apiaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Parsonsia capsularis</i>	Apocynaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Parsonsia heterophylla</i>	Apocynaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Parsonsia praeurptis</i>	Apocynaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Hydrocotyle dissecta</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle elongata</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle heteromeria</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle hydrophila</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle microphylla</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle moschata</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle novae-zeelandiae</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle pterocarpa</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle robusta</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hydrocotyle sulcata</i>	Araliaceae	Core Eudicots	Insect	21	Not Threatened
<i>Meryta sinclairii</i>	Araliaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Pseudopanax arboreus</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pseudopanax chathamicus</i>	Araliaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Pseudopanax colensoi</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened



<i>Pseudopanax crassifolius</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pseudopanax discolor</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pseudopanax ferox</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Pseudopanax gilliesii</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Pseudopanax kermadecensis</i>	Araliaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Pseudopanax laetus</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	At risk - Declining
<i>Pseudopanax lessonii</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pseudopanax linearis</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pseudopanax macintyreii</i>	Araliaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Raukaua anomalus</i>	Araliaceae	Core Eudicots	Insect	20,21	Not Threatened
<i>Raukaua edgerleyi</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Raukaua simplex</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Schefflera digitata</i>	Araliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Corokia buddleioides</i>	Argophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Corokia cotoneaster</i>	Argophyllaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Corokia macrocarpa</i>	Argophyllaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Abrotanella caespitosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Abrotanella fertilis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Abrotanella filiformis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Abrotanella inconspicua</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Abrotanella linearis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Abrotanella muscosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Abrotanella patearoa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Abrotanella pusilla</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Abrotanella rostrata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Abrotanella rosulata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Abrotanella spathulata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Anaphalioides alpina</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Anaphalioides bellidioides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Anaphalioides hookeri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Anaphalioides subrigida</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon

<i>Anaphalioides trinervis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Argyrotegium mackayi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Argyrotegium nitidulum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyglottis adamsii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis arborescens</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyglottis bellidioides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis bidwillii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis bifistulosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyglottis cassinioides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis cockaynei</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Brachyglottis compacta</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyglottis elaeagnifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis greyi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyglottis haastii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis hectorii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis huntii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Vulnerable
<i>Brachyglottis kirkii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis lagopus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis laxifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyglottis monroi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis myrianthos</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Relict
<i>Brachyglottis pentacopa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Brachyglottis perdicioides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Brachyglottis repanda</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis revoluta</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis rotundifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis sciadophila</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Brachyglottis southlandica</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyglottis stewartiae</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyglottis traversii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyglottis turneri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Endangered

<i>Brachyscome humilis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyscome linearis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Brachyscome longiscapa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Brachyscome montana</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Data deficient
<i>Brachyscome pinnata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Brachyscome radicata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Brachyscome sinclairii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Cassinia amoena</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia adamsi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia allanii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia alpina</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia angustifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia argentea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia armstrongii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia bellidioides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia bonplandii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia brevifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia clavata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia cockayneana</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia cordatifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia coriacea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia dallii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia densiflora</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia discolor</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia dubia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia durietzii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia gibbsii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia glandulosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia gracilentata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia graminifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Data deficient
<i>Celmisia haastii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened

<i>Celmisia hectorii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia hieraciifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia holosericea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Celmisia hookeri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia inaccessa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia incana</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia insignis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia laricifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia lateralis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia lindsayi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia lyallii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia mackaui</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia macmahonii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia major</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia markii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia monroi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia morgani</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia parva</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia petriei</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia philocremna</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia polyoena</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia prorepens</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia ramulosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia rigida</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia rupestris</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia rutlandii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia semicordata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia sessiliflora</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia similis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia sinclairii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia spectabilis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened

<i>Celmisia spedenii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia thomsonii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Celmisia traversii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia verbascifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia vespertina</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia viscosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Celmisia walkeri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Centipeda aotearoana</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Centipeda cunninghamii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Centipeda elatinoides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Data deficient
<i>Centipeda minima</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Endangered
<i>Cotula australis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Cotula coronopifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Craspedia incana</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Craspedia lanata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Craspedia robusta</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Craspedia uniflora</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Craspedia viscosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Damnamentia vernicosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Dolichoglottis lyallii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Dolichoglottis scorzoneroides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Euchiton audax</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Euchiton delicatus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Euchiton ensifer</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Endangered
<i>Euchiton involuocratus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Euchiton japonicus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Euchiton lateralis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Euchiton limosus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Euchiton paludosus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Data deficient
<i>Euchiton polylepis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Euchiton ruahinicus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened

<i>Euchiton sphaericus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Euchiton traversii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Ewartiothamnus sinclairii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Haastia pulvinaris</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Haastia recurva</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Haastia sinclairii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Helichrysum coralloides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Helichrysum depressum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Helichrysum dimorphum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Endangered
<i>Helichrysum filicaule</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Helichrysum intermedium</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Helichrysum lanceolatum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Helichrysum parvifolium</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Helichrysum plumeum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Helichrysum selago</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Lagenophora barkeri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Lagenophora cuneata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Lagenophora montana</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Lagenophora petiolata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Lagenophora pinnatifida</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Lagenophora pumila</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Lagenophora stipitata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Lagenophora strangulata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Lagenophora sublyrata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leptinella albida</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leptinella atrata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leptinella calcarea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leptinella conjuncta</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Leptinella dendyi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leptinella dioica</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leptinella dispersa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon

<i>Leptinella featherstonii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Relict
<i>Leptinella filiformis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Leptinella goyenii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leptinella lanata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leptinella maniototo</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Relict
<i>Leptinella minor</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leptinella nana</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Leptinella pectinata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leptinella plumosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leptinella potentillina</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leptinella pusilla</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Leptinella pyrethrifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leptinella rotundata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Endangered
<i>Leptinella serrulata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Leptinella squalida</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leptinella tenella</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Vulnerable
<i>Leptinella traillii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leucogenes grandiceps</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leucogenes leontopodium</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Leucogenes neglecta</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Leucogenes tarahaoa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Vulnerable
<i>Microseris scapigera</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Olearia adenocarpa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Critical
<i>Olearia albida</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia allomii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia angulata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia angustifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia arborescens</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia avicenniiifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia bullata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia chathamica</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Vulnerable

<i>Olearia cheesemanii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia colensoi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia coriacea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia crebra</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Endangered
<i>Olearia crosby-smithiana</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia cymbifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia fimbriata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Vulnerable
<i>Olearia fragrantissima</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Declining
<i>Olearia furfuracea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia gardneri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Endangered
<i>Olearia hectorii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Endangered
<i>Olearia ilicifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia lacunosa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia lineata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Declining
<i>Olearia lyallii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia moschata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia nummulariifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia odorata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia oporina</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia pachyphylla</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Critical
<i>Olearia paniculata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia polita</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Endangered
<i>Olearia quinquevulnera</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia rani</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia semidentata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	At risk - Naturally Uncommon
<i>Olearia solandri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia telmatica</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Vulnerable
<i>Olearia townsonii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Olearia traversiorum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Threatened - Nationally Vulnerable
<i>Olearia virgata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 22, 32	Not Threatened
<i>Ozothamnus leptophyllus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened



<i>Ozothamnus vauvilliersii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Pachystegia insignis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Pachystegia minor</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Pachystegia rufa</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Picris angustifolia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Picris burbidgeae</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Vulnerable
<i>Pleurophyllum criniferum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Pleurophyllum hookeri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Pleurophyllum speciosum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Pseudognaphalium ephemereum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Pseudognaphalium luteoalbum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Rachelia glaria</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Raoulia albosericea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia apicinigra</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia australis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Raoulia beauverdii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Raoulia bryoides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia buchananii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia cinerea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Raoulia eximia</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia glabra</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia goyenii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Raoulia grandiflora</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia haastii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia hectorii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia hookeri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia mammillaris</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia monroi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Vulnerable
<i>Raoulia parkii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Raoulia petriensis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Raoulia rubra</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon

<i>Raoulia subsericea</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia subulata</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia tenuicaulis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Raoulia youngii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio australis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Non - resident Native Vagrant
<i>Senecio banksii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Senecio biserratus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Senecio carnosulus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Senecio colensoi</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Senecio diaschides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio dunedinensis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Senecio esleri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio esperensis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Senecio glaucophyllus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio glomeratus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio hauwai</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Endangered
<i>Senecio hispidulus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio kermadecensis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Senecio lautus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio marotiri</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Senecio minimus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio quadridentatus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio radiolatus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Senecio repangae</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Senecio rufiglandulosus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Senecio scaberulus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Critical
<i>Senecio sterquilinus</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Naturally Uncommon
<i>Senecio wairauensis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Sonchus grandifolius</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Recovering
<i>Sonchus kirkii</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	At risk - Declining
<i>Sonchus novae-zelandiae</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Threatened - Nationally Vulnerable

<i>Taraxacum magellanicum</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Traversia baccharoides</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Vittadinia australis</i>	Asteraceae	Core Eudicots	Insect	9, 21, 32	Not Threatened
<i>Tecomanthe speciosa</i>	Bignoniaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Critical
<i>Myosotidium hortensia</i>	Boraginaceae	Core Eudicots	Insect	21	Threatened - Nationally Vulnerable
<i>Myosotis albosericea</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis amabilis</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis angustata</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis antarctica</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis arnoldii</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis australis</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Not Threatened
<i>Myosotis brevis</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Vulnerable
<i>Myosotis brockiei</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis capitata</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis cheesemanii</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis colensoi</i>	Boraginaceae	Core Eudicots	Insect	21, 22, 26	Threatened - Nationally Critical
<i>Myosotis concinna</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis drucei</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Not Threatened
<i>Myosotis eximia</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis explanata</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis forsteri</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Not Threatened
<i>Myosotis glabrescens</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Data deficient
<i>Myosotis glauca</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Vulnerable
<i>Myosotis goyenii</i>	Boraginaceae	Core Eudicots	Insect	21, 22, 26	At risk - Naturally Uncommon
<i>Myosotis laeta</i>	Boraginaceae	Core Eudicots	Insect	21, 22, 26	Threatened - Nationally Endangered
<i>Myosotis lainzii</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Extinct
<i>Myosotis lyallii</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis lytteltonensis</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis macrantha</i>	Boraginaceae	Core Eudicots	Insect	21, 22, 26	Not Threatened
<i>Myosotis matthewsii</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis monroi</i>	Boraginaceae	Core Eudicots	Insect	21, 22, 26	At risk - Naturally Uncommon

<i>Myosotis oreophila</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis pansa</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Vulnerable
<i>Myosotis petiolata</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis pottsiana</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis pulvinaris</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Not Threatened
<i>Myosotis pygmaea</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Declining
<i>Myosotis rakiura</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis saxosa</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Threatened - Nationally Critical
<i>Myosotis spatulata</i>	Boraginaceae	Core Eudicots	Autonomously self	22	At risk - Naturally Uncommon
<i>Myosotis suavis</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Data deficient
<i>Myosotis tenericaulis</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis traversii</i>	Boraginaceae	Core Eudicots	Insect	21, 26	Not Threatened
<i>Myosotis uniflora</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Myosotis venosa</i>	Boraginaceae	Core Eudicots	Insect	21, 26	At risk - Naturally Uncommon
<i>Cardamine bilobata</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Cardamine corymbosa</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Cardamine debilis</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Cardamine depressa</i>	Brassicaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Cardamine lacustris</i>	Brassicaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Cardamine latior</i>	Brassicaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Cardamine subcarnosa</i>	Brassicaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Lepidium banksii</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Lepidium desvauxii</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Lepidium flexicaule</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Lepidium kirkii</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Lepidium naufragorum</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Vulnerable
<i>Lepidium obtusatum</i>	Brassicaceae	Core Eudicots	Insect	21	Extinct
<i>Lepidium oleraceum</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Lepidium peregrinum</i>	Brassicaceae	Core Eudicots	Insect	21	Not Assessed
<i>Lepidium sisymbrioides</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Lepidium solandri</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical

<i>Lepidium tenuicaule</i>	Brassicaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Notothlaspi australe</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Notothlaspi rosulatum</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Pachycladon cheesemanii</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Pachycladon crenatum</i>	Brassicaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Pachycladon enysii</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Pachycladon exile</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Pachycladon fasciarium</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Pachycladon fastigiatum</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Pachycladon latisiliquum</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Pachycladon novae-zelandiae</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Pachycladon stellatum</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Pachycladon wallii</i>	Brassicaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Rorippa divaricata</i>	Brassicaceae	Core Eudicots	Insect	21	Threatened - Nationally Vulnerable
<i>Rorippa laciniata</i>	Brassicaceae	Core Eudicots	Insect	21	Non - Resident Native Coloniser
<i>Rorippa palustris</i>	Brassicaceae	Core Eudicots	Insect	21	Not Threatened
<i>Jovellana repens</i>	Calceolariaceae	Core Eudicots	Insect	7, 21	Not Threatened
<i>Jovellana sinclairii</i>	Calceolariaceae	Core Eudicots	Insect	7, 21	At risk - Declining
<i>Lobelia anceps</i>	Campanulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Lobelia angulata</i>	Campanulaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Lobelia arenaria</i>	Campanulaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Lobelia carens</i>	Campanulaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Lobelia fatiscens</i>	Campanulaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Lobelia fugax</i>	Campanulaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Lobelia glaberrima</i>	Campanulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Lobelia ionantha</i>	Campanulaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Lobelia linnaeoides</i>	Campanulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Lobelia macrodon</i>	Campanulaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Lobelia perpusilla</i>	Campanulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Lobelia physaloides</i>	Campanulaceae	Core Eudicots	Insect	21	Threatened - Nationally Vulnerable
<i>Lobelia roughii</i>	Campanulaceae	Core Eudicots	Insect	21	Not Threatened

<i>Wahlenbergia akaroa</i>	Campanulaceae	Core Eudicots	Insect	21, 22	At risk - Naturally Uncommon
<i>Wahlenbergia albomarginata</i>	Campanulaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Wahlenbergia cartilaginea</i>	Campanulaceae	Core Eudicots	Insect	21, 22	At risk - Naturally Uncommon
<i>Wahlenbergia congesta</i>	Campanulaceae	Core Eudicots	Insect	21, 22	At risk - Declining
<i>Wahlenbergia matthewsii</i>	Campanulaceae	Core Eudicots	Insect	21, 22	At risk - Naturally Uncommon
<i>Wahlenbergia pygmaea</i>	Campanulaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Wahlenbergia ramosa</i>	Campanulaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Wahlenbergia rupestris</i>	Campanulaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Wahlenbergia vernicosa</i>	Campanulaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Wahlenbergia violacea</i>	Campanulaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Colobanthus acicularis</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus affinis</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus apetalus</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus brevisepalus</i>	Caryophyllaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Colobanthus buchananii</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus canaliculatus</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus hookeri</i>	Caryophyllaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Colobanthus monticola</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus muelleri</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus muscoides</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus squarrosus</i>	Caryophyllaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Colobanthus strictus</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Colobanthus wallii</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Scleranthus biflorus</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Scleranthus brockiei</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Scleranthus uniflorus</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Spergularia tasmanica</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Stellaria decipiens</i>	Caryophyllaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Stellaria gracilentia</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Stellaria multiflora</i>	Caryophyllaceae	Core Eudicots	Insect	21	Extinct
<i>Stellaria parviflora</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened

<i>Stellaria roughii</i>	Caryophyllaceae	Core Eudicots	Insect	21	Not Threatened
<i>Stackhousia minima</i>	Celastraceae	Core Eudicots	Insect	21	Not Threatened
<i>Calystegia marginata</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	At risk - Naturally Uncommon
<i>Calystegia sepium</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Calystegia soldanella</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Calystegia tuguriorum</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Convolvulus fractosaxosa</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	At risk - Naturally Uncommon
<i>Convolvulus verecundus</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	Threatened - Nationally Vulnerable
<i>Convolvulus waitaha</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Dichondra brevifolia</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Dichondra repens</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Ipomoea cairica</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	At risk - Naturally Uncommon
<i>Ipomoea pes-caprae</i>	Convolvulaceae	Core Eudicots	Insect	5, 21	At risk - Naturally Uncommon
<i>Wilsonia backhousei</i>	Convolvulaceae	Core Eudicots	Insect	5	Non - Resident Native Coloniser
<i>Coriaria angustissima</i>	Coriariaceae	Core Eudicots	Wind	22	Not Threatened
<i>Coriaria arborea</i>	Coriariaceae	Core Eudicots	Wind	20, 21, 22	Not Threatened
<i>Coriaria kingiana</i>	Coriariaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coriaria plumosa</i>	Coriariaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coriaria pottsiana</i>	Coriariaceae	Core Eudicots	Wind	21, 22	At risk - Naturally Uncommon
<i>Coriaria pteridoides</i>	Coriariaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coriaria sarmentosa</i>	Coriariaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Corynocarpus laevigatus</i>	Corynocarpaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Crassula colligata</i>	Crassulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Crassula helmsii</i>	Crassulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Crassula kirkii</i>	Crassulaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Crassula manaia</i>	Crassulaceae	Core Eudicots	Insect	21	Threatened - Nationally Vulnerable
<i>Crassula mataikona</i>	Crassulaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Crassula moschata</i>	Crassulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Crassula multicaulis</i>	Crassulaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Crassula peduncularis</i>	Crassulaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Crassula ruamahanga</i>	Crassulaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon

<i>Crassula sieberiana</i>	Crassulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Crassula sinclairii</i>	Crassulaceae	Core Eudicots	Insect	21	Not Threatened
<i>Sicyos australis</i>	Cucurbitaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Ackama nubicola</i>	Cunoniaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Critical
<i>Ackama rosifolia</i>	Cunoniaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Weinmannia racemosa</i>	Cunoniaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Weinmannia sylvicola</i>	Cunoniaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Drosera arcturi</i>	Droseraceae	Core Eudicots	Insect	21	Not Threatened
<i>Drosera auriculata</i>	Droseraceae	Core Eudicots	Insect	21	Not Threatened
<i>Drosera binata</i>	Droseraceae	Core Eudicots	Insect	21	Not Threatened
<i>Drosera gunniana</i>	Droseraceae	Core Eudicots	Insect	21	Non - Resident Native Coloniser
<i>Drosera pygmaea</i>	Droseraceae	Core Eudicots	Insect	21	At risk - Relict
<i>Drosera spatulata</i>	Droseraceae	Core Eudicots	Insect	21	Not Threatened
<i>Drosera stenopetala</i>	Droseraceae	Core Eudicots	Insect	21	Not Threatened
<i>Aristotelia fruticosa</i>	Elaeocarpaceae	Core Eudicots	Insect	21	Not Threatened
<i>Aristotelia serrata</i>	Elaeocarpaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Elaeocarpus dentatus</i>	Elaeocarpaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Elaeocarpus hookerianus</i>	Elaeocarpaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Elatine gratioloides</i>	Elatinaceae	Core Eudicots	Insect	21	Not Threatened
<i>Acrothamnus colensoi</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Androstoma empetrifolium</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Archeria racemosa</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Archeria traversii</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Dracophyllum acerosum</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum arboreum</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum cockayneanum</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum densum</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Declining
<i>Dracophyllum elegantissimum</i>	Ericaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Dracophyllum filifolium</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum fiordense</i>	Ericaceae	Core Eudicots	Bird/insect	18, 22	At risk - Declining
<i>Dracophyllum kirkii</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened



<i>Dracophyllum latifolium</i>	Ericaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Dracophyllum lessonianum</i>	Ericaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Dracophyllum longifolium</i>	Ericaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Dracophyllum marmoricola</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum menziesii</i>	Ericaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Dracophyllum muscoides</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum oliveri</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum ophioliticum</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum palustre</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum patens</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum pearsonii</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum politum</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum pronum</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum prostratum</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum pubescens</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum recurvum</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum rosmarinifolium</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum scoparium</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum sinclairii</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum strictum</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum subulatum</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum townsonii</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Dracophyllum traversii</i>	Ericaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Dracophyllum trimorphum</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum uniflorum</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Dracophyllum urvilleanum</i>	Ericaceae	Core Eudicots	Bird/insect	22	At risk - Naturally Uncommon
<i>Epacris alpina</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Epacris pauciflora</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Epacris sinclairii</i>	Ericaceae	Core Eudicots	Insect	21, 35	At risk - Naturally Uncommon
<i>Gaultheria antipoda</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Gaultheria colensoi</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened

<i>Gaultheria crassa</i>	Ericaceae	Core Eudicots	Insect	21, 22, 35	Not Threatened
<i>Gaultheria depressa</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Gaultheria macrostigma</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Gaultheria nubicola</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Gaultheria oppositifolia</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Gaultheria paniculata</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Gaultheria parvula</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Gaultheria rupestris</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Leptecophylla juniperina</i>	Ericaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Leptecophylla robusta</i>	Ericaceae	Core Eudicots	Insect	21, 35	At risk - Naturally Uncommon
<i>Leucopogon fasciculatus</i>	Ericaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Leucopogon fraseri</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Leucopogon nanum</i>	Ericaceae	Core Eudicots	Insect	21, 35	At risk - Declining
<i>Leucopogon parviflorus</i>	Ericaceae	Core Eudicots	Insect	21, 35	At risk - Naturally Uncommon
<i>Leucopogon xerampelinus</i>	Ericaceae	Core Eudicots	Insect	21, 35	At risk - Naturally Uncommon
<i>Montitega dealbata</i>	Ericaceae	Core Eudicots	Bird/insect	22	Not Threatened
<i>Pentachondra pumila</i>	Ericaceae	Core Eudicots	Insect	21, 35	Not Threatened
<i>Sprengelia incarnata</i>	Ericaceae	Core Eudicots	Insect	21, 35	At risk - Naturally Uncommon
<i>Euphorbia glauca</i>	Euphorbiaceae	Core Eudicots	Bird/insect	5	At risk - Declining
<i>Homalanthus polyandrus</i>	Euphorbiaceae	Core Eudicots	Bird/insect	5	At risk - Naturally Uncommon
<i>Canavalia rosea</i>	Fabaceae	Core Eudicots	Insect	14	At risk - Naturally Uncommon
<i>Carmichaelia appressa</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	At risk - Naturally Uncommon
<i>Carmichaelia arborea</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Not Threatened
<i>Carmichaelia astonii</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Vulnerable
<i>Carmichaelia australis</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Not Threatened
<i>Carmichaelia carmichaeliae</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Critical
<i>Carmichaelia compacta</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	At risk - Naturally Uncommon
<i>Carmichaelia corrugata</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Vulnerable
<i>Carmichaelia crassicaulis</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	At risk - Declining
<i>Carmichaelia curta</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Critical
<i>Carmichaelia glabrescens</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Not Threatened

<i>Carmichaelia hollowayi</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Critical
<i>Carmichaelia juncea</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Vulnerable
<i>Carmichaelia kirkii</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Vulnerable
<i>Carmichaelia monroi</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	At risk - Declining
<i>Carmichaelia muritai</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Endangered
<i>Carmichaelia nana</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Vulnerable
<i>Carmichaelia odorata</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Not Threatened
<i>Carmichaelia petriei</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	At risk - Declining
<i>Carmichaelia stevensonii</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Endangered
<i>Carmichaelia torulosa</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	Threatened - Nationally Critical
<i>Carmichaelia uniflora</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	At risk - Declining
<i>Carmichaelia vexillata</i>	Fabaceae	Core Eudicots	Insect	14, 21, 22	At risk - Declining
<i>Carmichaelia williamsii</i>	Fabaceae	Core Eudicots	Bird	18, 22	At risk - Relict
<i>Clianthus maximus</i>	Fabaceae	Core Eudicots	Bird	18, 22	Threatened - Nationally Critical
<i>Clianthus puniceus</i>	Fabaceae	Core Eudicots	Bird	18, 22	Threatened - Nationally Critical
<i>Montigena novae-zelandiae</i>	Fabaceae	Core Eudicots	Insect	14	At risk - Declining
<i>Sophora chathamica</i>	Fabaceae	Core Eudicots	Bird	18, 21, 22	Not Threatened
<i>Sophora fulvida</i>	Fabaceae	Core Eudicots	Bird	18, 21, 22	At risk - Naturally Uncommon
<i>Sophora godleyi</i>	Fabaceae	Core Eudicots	Bird	18, 21, 22	Not Threatened
<i>Sophora longicarinata</i>	Fabaceae	Core Eudicots	Bird	18, 21, 22	At risk - Naturally Uncommon
<i>Sophora microphylla</i>	Fabaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Sophora molloyi</i>	Fabaceae	Core Eudicots	Bird	18, 21, 22	At risk - Naturally Uncommon
<i>Sophora prostrata</i>	Fabaceae	Core Eudicots	Bird	18, 21, 22	Not Threatened
<i>Sophora tetraptera</i>	Fabaceae	Core Eudicots	Bird	18, 21, 22	Not Threatened
<i>Gentianella amabilis</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella angustifolia</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella antarctica</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella antipoda</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella astonii</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella bellidifolia</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella calcis</i>	Gentianaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical

<i>Gentianella cerina</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella chathamica</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella concinna</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella corymbifera</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella decumbens</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella divisa</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella filipes</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella gibbsii</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella grisebachii</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella impressinervia</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella lilliputiana</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella lineata</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Relict
<i>Gentianella luteoalba</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella magnifica</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella montana</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella patula</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella saxosa</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella scopulorum</i>	Gentianaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Gentianella serotina</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella spenceri</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella stellata</i>	Gentianaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Gentianella tenuifolia</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Gentianella vernicosa</i>	Gentianaceae	Core Eudicots	Insect	21	Not Threatened
<i>Sebaea ovata</i>	Gentianaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Geranium brevicaule</i>	Geraniaceae	Core Eudicots	Insect	21	Not Threatened
<i>Geranium homeanum</i>	Geraniaceae	Core Eudicots	Insect	21	Not Threatened
<i>Geranium microphyllum</i>	Geraniaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Geranium potentilloides</i>	Geraniaceae	Core Eudicots	Insect	21	Not Threatened
<i>Geranium retrorsum</i>	Geraniaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Geranium sessiliflorum</i>	Geraniaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Geranium solanderi</i>	Geraniaceae	Core Eudicots	Insect	21	At risk - Declining

<i>Geranium traversii</i>	Geraniaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Pelargonium inodorum</i>	Geraniaceae	Core Eudicots	Insect	21	Not Threatened
<i>Rhabdothamnus solandri</i>	Gesneriaceae	Core Eudicots	Bird	18, 21, 34	Not Threatened
<i>Scaevola gracilis</i>	Goodeniaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Selliera microphylla</i>	Goodeniaceae	Core Eudicots	Insect	21	Not Threatened
<i>Selliera radicans</i>	Goodeniaceae	Core Eudicots	Insect	21	Not Threatened
<i>Selliera rotundifolia</i>	Goodeniaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Griselinia littoralis</i>	Griselinaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Griselinia lucida</i>	Griselinaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Gonocarpus aggregatus</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Gonocarpus incanus</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Gonocarpus micranthus</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Gonocarpus montanus</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Haloragis erecta</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Myriophyllum pedunculatum</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Myriophyllum propinquum</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Myriophyllum robustum</i>	Haloragaceae	Core Eudicots	Wind	21	At risk - Declining
<i>Myriophyllum triphyllum</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Myriophyllum votschii</i>	Haloragaceae	Core Eudicots	Wind	21	Not Threatened
<i>Hypericum involutum</i>	Hypericaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Hypericum minutiflorum</i>	Hypericaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Hypericum pusillum</i>	Hypericaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hypericum rubicundulum</i>	Hypericaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Coleus australis</i>	Lamiaceae	Core Eudicots	Insect	14	Non - Resident Native Coloniser
<i>Mentha cunninghamii</i>	Lamiaceae	Core Eudicots	Insect	14, 21	At risk - Declining
<i>Scutellaria novae-zelandiae</i>	Lamiaceae	Core Eudicots	Insect	14, 21	Threatened - Nationally Critical
<i>Teucrium parvifolium</i>	Lamiaceae	Core Eudicots	Insect	20	At risk - Declining
<i>Vitex lucens</i>	Lamiaceae	Core Eudicots	Bird	18, 22	Not Threatened
<i>Utricularia australis</i>	Lentibulariaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Utricularia delicatula</i>	Lentibulariaceae	Core Eudicots	Insect	21	At risk - Relict
<i>Utricularia dichotoma</i>	Lentibulariaceae	Core Eudicots	Insect	21	Not Threatened

<i>Linum monogynum</i>	Linaceae	Core Eudicots	Self-pollinating	33	At risk - Declining
<i>Geniostoma ligustrifolium</i>	Loganiaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Logania depressa</i>	Loganiaceae	Core Eudicots	Unknown	1	Extinct
<i>Mitrasacme montana</i>	Loganiaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Mitrasacme novae-zelandiae</i>	Loganiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Alepis flavida</i>	Loranthaceae	Core Eudicots	Bird	18, 21, 22	At risk - Declining
<i>Ileostylus micranthus</i>	Loranthaceae	Core Eudicots	Bird/insect	5	Not Threatened
<i>Muellerina celastroides</i>	Loranthaceae	Core Eudicots	Bird/insect	5	Non - resident Native Vagrant
<i>Peraxilla colensoi</i>	Loranthaceae	Core Eudicots	Bird	18, 21, 22	At risk - Declining
<i>Peraxilla tetrapetala</i>	Loranthaceae	Core Eudicots	Bird	18, 21, 22	At risk - Declining
<i>Trilepidea adamsii</i>	Loranthaceae	Core Eudicots	Bird	18, 21	Extinct
<i>Tupeia antarctica</i>	Loranthaceae	Core Eudicots	Bird/insect	5	At risk - Declining
<i>Entelea arborescens</i>	Malvaceae	Core Eudicots	Insect	21	Not Threatened
<i>Hibiscus diversifolius</i>	Malvaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Hibiscus richardsonii</i>	Malvaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Hoheria angustifolia</i>	Malvaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Hoheria equitum</i>	Malvaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Hoheria glabrata</i>	Malvaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Hoheria lyallii</i>	Malvaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Hoheria ovata</i>	Malvaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Hoheria populnea</i>	Malvaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Hoheria sexstylosa</i>	Malvaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Plagianthus divaricatus</i>	Malvaceae	Core Eudicots	Insect/Wind	21	Not Threatened
<i>Plagianthus regius</i>	Malvaceae	Core Eudicots	Insect/Wind	21	Not Threatened
<i>Mazus arenarius</i>	Mazaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Mazus novaezeelandiae</i>	Mazaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Mazus pumilio</i>	Mazaceae	Core Eudicots	Insect	21	Non - resident Native Vagrant
<i>Mazus radicans</i>	Mazaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Dysoxylum spectabile</i>	Meliaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Liparophyllum gunnii</i>	Menyanthaceae	Core Eudicots	Insect	21	Not Threatened
<i>Carpobrotus glaucescens</i>	Mesembryanthemaceae	Core Eudicots	Insect	40	Non - Resident Native Coloniser

<i>Hectorella caespitosa</i>	Montiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Montia angustifolia</i>	Montiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Montia calycina</i>	Montiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Montia campylostigma</i>	Montiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Montia drucei</i>	Montiaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Montia erythrophylla</i>	Montiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Montia fontana</i>	Montiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Montia racemosa</i>	Montiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Montia sessiliflora</i>	Montiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Streblus banksii</i>	Moraceae	Core Eudicots	Wind	21	At risk - Relict
<i>Streblus heterophyllus</i>	Moraceae	Core Eudicots	Wind	21	Not Threatened
<i>Streblus smithii</i>	Moraceae	Core Eudicots	Wind	21	At risk - Naturally Uncommon
<i>Kunzea ericoides</i>	Myrtaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Vulnerable
<i>Kunzea linearis</i>	Myrtaceae	Core Eudicots	Insect	21	Threatened - Nationally Vulnerable
<i>Kunzea sinclairii</i>	Myrtaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Critical
<i>Kunzea tenuicaulis</i>	Myrtaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Leptospermum scoparium</i>	Myrtaceae	Core Eudicots	Bird/insect	18	At risk - Declining
<i>Lophomyrtus bullata</i>	Myrtaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Critical
<i>Lophomyrtus obcordata</i>	Myrtaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Critical
<i>Metrosideros albiflora</i>	Myrtaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Vulnerable
<i>Metrosideros bartlettii</i>	Myrtaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Critical
<i>Metrosideros carminea</i>	Myrtaceae	Core Eudicots	Bird	18	Threatened - Nationally Vulnerable
<i>Metrosideros colensoi</i>	Myrtaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Vulnerable
<i>Metrosideros diffusa</i>	Myrtaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Vulnerable
<i>Metrosideros excelsa</i>	Myrtaceae	Core Eudicots	Bird	18, 22	Threatened - Nationally Vulnerable
<i>Metrosideros fulgens</i>	Myrtaceae	Core Eudicots	Bird	18, 22	Threatened - Nationally Vulnerable
<i>Metrosideros kermadecensis</i>	Myrtaceae	Core Eudicots	Bird	22	Threatened - Nationally Critical
<i>Metrosideros parkinsonii</i>	Myrtaceae	Core Eudicots	Bird	18	Threatened - Nationally Vulnerable
<i>Metrosideros perforata</i>	Myrtaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Vulnerable
<i>Metrosideros robusta</i>	Myrtaceae	Core Eudicots	Bird	18, 22	Threatened - Nationally Vulnerable
<i>Metrosideros umbellata</i>	Myrtaceae	Core Eudicots	Bird	18, 22	Threatened - Nationally Vulnerable

<i>Neomyrtus pedunculata</i>	Myrtaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Critical
<i>Syzygium maire</i>	Myrtaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Critical
<i>Dactylanthus taylorii</i>	Mystropetalaceae	Core Eudicots	Bird/insect/mammal	22	Threatened - Nationally Vulnerable
<i>Mida salicifolia</i>	Nanodeaceae	Core Eudicots	Bird/insect	5, 18	At risk - Declining
<i>Fuscospora cliffortioides</i>	Nothofagaceae	Core Eudicots	Wind	18, 21, 22	Not Threatened
<i>Fuscospora fusca</i>	Nothofagaceae	Core Eudicots	Wind	18, 21, 22	Not Threatened
<i>Fuscospora solandri</i>	Nothofagaceae	Core Eudicots	Wind	18, 21, 22	Not Threatened
<i>Fuscospora truncata</i>	Nothofagaceae	Core Eudicots	Wind	18, 21, 22	Not Threatened
<i>Lophozonia menziesii</i>	Nothofagaceae	Core Eudicots	Wind	18, 21, 22	Not Threatened
<i>Ceodes brunoniana</i>	Nyctaginaceae	Core Eudicots	Insect?	21	At risk - Relict
<i>Nestegis apetala</i>	Oleaceae	Core Eudicots	Bird/insect	18	At risk - Relict
<i>Nestegis cunninghamii</i>	Oleaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Nestegis lanceolata</i>	Oleaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Nestegis montana</i>	Oleaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Epilobium alsinoides</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium angustum</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium astonii</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium atriplicifolium</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium billardioreanum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium brevipes</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium brunnescens</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium chionanthum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium chlorifolium</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium cinereum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium cockayneanum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Data deficient
<i>Epilobium confertifolium</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium crassum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium elegans</i>	Onagraceae	Core Eudicots	Insect	21, 23	Data deficient
<i>Epilobium forbesii</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium glabellum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium gracilipes</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon



<i>Epilobium gunnianum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Non - resident Native Vagrant
<i>Epilobium hectorii</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium hirtigerum</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Recovering
<i>Epilobium insulare</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Declining
<i>Epilobium komarovianum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium krulleanum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Data deficient
<i>Epilobium macropus</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium margaretae</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium matthewsii</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium melanocaulon</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium microphyllum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium nerteroides</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium nummulariifolium</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium pallidiflorum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium pedunculare</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium pernitens</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium petraeum</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium pictum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Threatened - Nationally Critical
<i>Epilobium porphyrium</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium pubens</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium purpuratum</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium pycnostachyum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium rostratum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium rotundifolium</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium rubromarginatum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium tasmanicum</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium tenuipes</i>	Onagraceae	Core Eudicots	Insect	21, 23	Not Threatened
<i>Epilobium vernicosum</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Epilobium wilsonii</i>	Onagraceae	Core Eudicots	Insect	21, 23	At risk - Naturally Uncommon
<i>Fuchsia excorticata</i>	Onagraceae	Core Eudicots	Bird	18,21, 22	Not Threatened
<i>Fuchsia perscandens</i>	Onagraceae	Core Eudicots	Bird	18, 21	Not Threatened

<i>Fuchsia procumbens</i>	Onagraceae	Core Eudicots	Bird/insect	18	At risk - Naturally Uncommon
<i>Euphrasia australis</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia cheesemanii</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia cockayneana</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia cuneata</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia disperma</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	At risk - Naturally Uncommon
<i>Euphrasia drucei</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	At risk - Naturally Uncommon
<i>Euphrasia dyeri</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia integrifolia</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	At risk - Naturally Uncommon
<i>Euphrasia laingii</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia monroi</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia petriei</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia repens</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	At risk - Declining
<i>Euphrasia revoluta</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia townsonii</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Euphrasia wettsteiniana</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Threatened - Nationally Vulnerable
<i>Euphrasia zelandica</i>	Orobanchaceae	Core Eudicots	Insect	5, 21	Not Threatened
<i>Oxalis exilis</i>	Oxalidaceae	Core Eudicots	Insect	21	Not Threatened
<i>Oxalis magellanica</i>	Oxalidaceae	Core Eudicots	Insect	21	Not Threatened
<i>Oxalis rubens</i>	Oxalidaceae	Core Eudicots	Insect	21	Not Threatened
<i>Oxalis thompsoniae</i>	Oxalidaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Quintinia serrata</i>	Paracryphiaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Passiflora tetrandra</i>	Passifloraceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pennantia baylisiana</i>	Pennantiaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Pennantia corymbosa</i>	Pennantiaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Glossostigma cleistanthum</i>	Phrymaceae	Core Eudicots	Insect	21	Not Threatened
<i>Glossostigma diandrum</i>	Phrymaceae	Core Eudicots	Insect	21	Not Threatened
<i>Glossostigma elatinoides</i>	Phrymaceae	Core Eudicots	Insect	21	Not Threatened
<i>Thyridia repens</i>	Phrymaceae	Core Eudicots	Insect	21, 22	At risk - Naturally Uncommon
<i>Poranthera alpina</i>	Phyllanthaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Poranthera microphylla</i>	Phyllanthaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon

<i>Pittosporum anomalum</i>	Pittosporaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Pittosporum colensoi</i>	Pittosporaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Pittosporum cornifolium</i>	Pittosporaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pittosporum crassifolium</i>	Pittosporaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pittosporum dallii</i>	Pittosporaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Vulnerable
<i>Pittosporum divaricatum</i>	Pittosporaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Pittosporum ellipticum</i>	Pittosporaceae	Core Eudicots	Bird/insect	18	At risk - Naturally Uncommon
<i>Pittosporum eugenioides</i>	Pittosporaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pittosporum fairchildii</i>	Pittosporaceae	Core Eudicots	Insect	21, 22	At risk - Naturally Uncommon
<i>Pittosporum huttonianum</i>	Pittosporaceae	Core Eudicots	Bird/insect	18	At risk - Naturally Uncommon
<i>Pittosporum kirkii</i>	Pittosporaceae	Core Eudicots	Bird/insect	18	At risk - Declining
<i>Pittosporum obcordatum</i>	Pittosporaceae	Core Eudicots	Insect	21, 22	Threatened - Nationally Vulnerable
<i>Pittosporum patulum</i>	Pittosporaceae	Core Eudicots	Insect	21, 22	Threatened - Nationally Vulnerable
<i>Pittosporum pimeleoides</i>	Pittosporaceae	Core Eudicots	Bird/insect	18	At risk - Naturally Uncommon
<i>Pittosporum ralphii</i>	Pittosporaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Pittosporum rigidum</i>	Pittosporaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Pittosporum serpentinum</i>	Pittosporaceae	Core Eudicots	Insect	21, 22	Threatened - Nationally Critical
<i>Pittosporum tenuifolium</i>	Pittosporaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pittosporum turneri</i>	Pittosporaceae	Core Eudicots	Insect	21, 22	Threatened - Nationally Vulnerable
<i>Pittosporum umbellatum</i>	Pittosporaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Pittosporum virgatum</i>	Pittosporaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Vulnerable
<i>Callitriche antarctica</i>	Plantaginaceae	Core Eudicots	Wind	38	At risk - Naturally Uncommon
<i>Callitriche aucklandica</i>	Plantaginaceae	Core Eudicots	Wind	38	At risk - Naturally Uncommon
<i>Callitriche muelleri</i>	Plantaginaceae	Core Eudicots	Wind	38	Not Threatened
<i>Callitriche petriei</i>	Plantaginaceae	Core Eudicots	Wind	38	Not Threatened
<i>Gratiola concinna</i>	Plantaginaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Gratiola pedunculata</i>	Plantaginaceae	Core Eudicots	Insect	21	Non - Resident Native Coloniser
<i>Gratiola pubescens</i>	Plantaginaceae	Core Eudicots	Insect	21	Non - resident Native Vagrant
<i>Gratiola sexdentata</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Limosella lineata</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Ourisia caespitosa</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened

<i>Ourisia calycina</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Ourisia confertifolia</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Ourisia crosbyi</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Ourisia glandulosa</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Ourisia macrocarpa</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Ourisia macrophylla</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Ourisia modesta</i>	Plantaginaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Ourisia remotifolia</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Ourisia sessilifolia</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Ourisia simpsonii</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Ourisia spathulata</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Ourisia vulcanica</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Plantago aucklandica</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	At risk - Naturally Uncommon
<i>Plantago lanigera</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Plantago masoniae</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Plantago novae-zelandiae</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Plantago obconica</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	At risk - Naturally Uncommon
<i>Plantago picta</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	At risk - Naturally Uncommon
<i>Plantago raoulii</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Plantago spathulata</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Plantago triandra</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Plantago triantha</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	At risk - Naturally Uncommon
<i>Plantago unibracteata</i>	Plantaginaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Veronica adamsii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Critical
<i>Veronica albicans</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica amplexicaulis</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica angustissima</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica annulata</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica arganthera</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica armstrongii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Endangered
<i>Veronica barkeri</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Critical

<i>Veronica baylyi</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica benthamii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica biggarii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica birleyi</i>	Plantaginaceae	Core Eudicots	Wind	38	Not Threatened
<i>Veronica bishopiana</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Vulnerable
<i>Veronica bollonsii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica brachysiphon</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica breviracemosa</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Vulnerable
<i>Veronica buchananii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica calcicola</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica canterburiensis</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica catarractae</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica chathamica</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica cheesemanii</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica chionohebe</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Veronica ciliolata</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica cockayneana</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica colensoi</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica colostylis</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica corriganii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica cryptomorpha</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica cupressoides</i>	Plantaginaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Veronica decora</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica decumbens</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica densifolia</i>	Plantaginaceae	Core Eudicots	Wind	38	Not Threatened
<i>Veronica dieffenbachii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica dilatata</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica diosmifolia</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica elliptica</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica epacridea</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica evenosa</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon

<i>Veronica flavida</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica gibbsii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica glaucophylla</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica haastii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica hectorii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica hookeri</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica hookeriana</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica hulkeana</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica insularis</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica jovellanoides</i>	Plantaginaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Veronica kellowiae</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica lanceolata</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica lauvaudiana</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Veronica leiophylla</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica ligustrifolia</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica lilliputiana</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Veronica linifolia</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica lyallii</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica lycopodioides</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica maccaskillii</i>	Plantaginaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Veronica macrantha</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica macrocalyx</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica macrocarpa</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica masoniae</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica melanocaulon</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Veronica mooreae</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica murrellii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica notialis</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica obtusata</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica ochracea</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica odora</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened

<i>Veronica pareora</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Critical
<i>Veronica parviflora</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica pauciramosa</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica pentasepala</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica perbella</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Endangered
<i>Veronica petriei</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica phormiiphila</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica pimeleoides</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica pinguifolia</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica planopetiolata</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Veronica plebeia</i>	Plantaginaceae	Core Eudicots	Wind	38	Not Threatened
<i>Veronica poppetwellii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica propinqua</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica pubescens</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica pulvinaris</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica punicea</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica quadrifaria</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica rakaiensis</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica raoulii</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica rigidula</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica rivalis</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica rupicola</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica salicifolia</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica salicornioides</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Endangered
<i>Veronica saxicola</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Critical
<i>Veronica scopulorum</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Declining
<i>Veronica scrupea</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Veronica senex</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Veronica simulans</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica societatis</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Threatened - Nationally Critical
<i>Veronica spathulata</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened

<i>Veronica speciosa</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Declining
<i>Veronica spectabilis</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Veronica stenophylla</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica stricta</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica strictissima</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica subalpina</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica subfulvida</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica tairawhiti</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica tetragona</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica tetrasticha</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Veronica thomsonii</i>	Plantaginaceae	Core Eudicots	Insect	21	Not Threatened
<i>Veronica topiaria</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica townsonii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica traversii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica treadwellii</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica trifida</i>	Plantaginaceae	Core Eudicots	Wind	38	At risk - Naturally Uncommon
<i>Veronica truncatula</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica tumida</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Veronica uroilleana</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	At risk - Naturally Uncommon
<i>Veronica venustula</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica vernicosa</i>	Plantaginaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Veronica zygantha</i>	Plantaginaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Muehlenbeckia astonii</i>	Polygonaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Muehlenbeckia australis</i>	Polygonaceae	Core Eudicots	Insect	21	Not Threatened
<i>Muehlenbeckia axillaris</i>	Polygonaceae	Core Eudicots	Insect	21	Not Threatened
<i>Muehlenbeckia complexa</i>	Polygonaceae	Core Eudicots	Insect	21	Not Threatened
<i>Muehlenbeckia ephedroides</i>	Polygonaceae	Core Eudicots	Insect	21	Not Threatened
<i>Persicaria decipiens</i>	Polygonaceae	Core Eudicots	Insect	21	Not Threatened
<i>Persicaria prostrata</i>	Polygonaceae	Core Eudicots	Wind	11	Non - Resident Native Coloniser
<i>Polygonum plebeium</i>	Polygonaceae	Core Eudicots	Wind	11	At risk - Declining
<i>Rumex flexuosus</i>	Polygonaceae	Core Eudicots	Wind	11, 21	Not Threatened



<i>Rumex neglectus</i>	Polygonaceae	Core Eudicots	Wind	11, 21	Not Threatened
<i>Elingamita johnsonii</i>	Primulaceae	Core Eudicots	Insect	10	At risk - Naturally Uncommon
<i>Myrsine aquilonia</i>	Primulaceae	Core Eudicots	Insect	10	At risk - Relict
<i>Myrsine argentea</i>	Primulaceae	Core Eudicots	Insect	10	At risk - Declining
<i>Myrsine australis</i>	Primulaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Myrsine chathamica</i>	Primulaceae	Core Eudicots	Insect	10	Not Threatened
<i>Myrsine coxii</i>	Primulaceae	Core Eudicots	Insect	10	At risk - Declining
<i>Myrsine divaricata</i>	Primulaceae	Core Eudicots	Insect	10	Not Threatened
<i>Myrsine kermadecensis</i>	Primulaceae	Core Eudicots	Insect	10	At risk - Naturally Uncommon
<i>Myrsine nummularia</i>	Primulaceae	Core Eudicots	Insect	10	Not Threatened
<i>Myrsine oliveri</i>	Primulaceae	Core Eudicots	Insect	10	At risk - Naturally Uncommon
<i>Myrsine salicina</i>	Primulaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Myrsine umbricola</i>	Primulaceae	Core Eudicots	Insect	10	At risk - Declining
<i>Samolus repens</i>	Primulaceae	Core Eudicots	Insect	10, 21	Not Threatened
<i>Discaria toumatou</i>	Rhamnaceae	Core Eudicots	Insect	21, 22	At risk - Declining
<i>Pomaderris amoena</i>	Rhamnaceae	Core Eudicots	Insect	21	Not Threatened
<i>Pomaderris apetala</i>	Rhamnaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Pomaderris edgerleyi</i>	Rhamnaceae	Core Eudicots	Insect	21	At risk - Declining
<i>Pomaderris hamiltonii</i>	Rhamnaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Pomaderris kumeraho</i>	Rhamnaceae	Core Eudicots	Insect	21	Not Threatened
<i>Pomaderris paniculosa</i>	Rhamnaceae	Core Eudicots	Insect	21	Threatened - Nationally Endangered
<i>Pomaderris phyllicifolia</i>	Rhamnaceae	Core Eudicots	Insect	21	Threatened - Nationally Critical
<i>Pomaderris rugosa</i>	Rhamnaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Acaena anserinifolia</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena buchananii</i>	Rosaceae	Core Eudicots	Wind	21, 36	At risk - Declining
<i>Acaena caesiiglauca</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena dumicola</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena emittens</i>	Rosaceae	Core Eudicots	Wind	21, 36	At risk - Naturally Uncommon
<i>Acaena fissistipula</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena glabra</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena inermis</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened

<i>Acaena juvenca</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena magellanica</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Evaluated
<i>Acaena microphylla</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena minor</i>	Rosaceae	Core Eudicots	Wind	21, 36	At risk - Naturally Uncommon
<i>Acaena novae-zelandiae</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena pallida</i>	Rosaceae	Core Eudicots	Wind	21, 36	At risk - Declining
<i>Acaena profundeincisa</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena rorida</i>	Rosaceae	Core Eudicots	Wind	21, 36	Threatened - Nationally Critical
<i>Acaena saccaticupula</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Acaena tesca</i>	Rosaceae	Core Eudicots	Wind	21, 36	Not Threatened
<i>Argentina anserinoides</i>	Rosaceae	Core Eudicots	Insect	21, 36	Not Threatened
<i>Geum albiflorum</i>	Rosaceae	Core Eudicots	Insect	21, 36	At risk - Naturally Uncommon
<i>Geum cockaynei</i>	Rosaceae	Core Eudicots	Insect	21, 36	Not Threatened
<i>Geum divergens</i>	Rosaceae	Core Eudicots	Insect	21, 36	At risk - Naturally Uncommon
<i>Geum leiospermum</i>	Rosaceae	Core Eudicots	Insect	21, 36	Not Threatened
<i>Geum pusillum</i>	Rosaceae	Core Eudicots	Insect	21, 36	At risk - Naturally Uncommon
<i>Geum uniflorum</i>	Rosaceae	Core Eudicots	Insect	21, 36	Not Threatened
<i>Rubus australis</i>	Rosaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Rubus cissoides</i>	Rosaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Rubus parous</i>	Rosaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Rubus schmidelioides</i>	Rosaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Rubus squarrosus</i>	Rosaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Carpodetus serratus</i>	Rousseaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Coprosma acerosa</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Naturally Uncommon
<i>Coprosma acutifolia</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Naturally Uncommon
<i>Coprosma arborea</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma areolata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma atropurpurea</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma brunnea</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Declining
<i>Coprosma chathamica</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Naturally Uncommon
<i>Coprosma cheesemanii</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened

<i>Coprosma ciliata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma colensoi</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma crassifolia</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma crenulata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma cuneata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma decurva</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma depressa</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma distantia</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Naturally Uncommon
<i>Coprosma dodonaeifolia</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Naturally Uncommon
<i>Coprosma dumosa</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma elatirioides</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma foetidissima</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma fowerakeri</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma grandifolia</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma intertexta</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Declining
<i>Coprosma linariifolia</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma lucida</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma macrocarpa</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma microcarpa</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma neglecta</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Naturally Uncommon
<i>Coprosma niphophila</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma obconica</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Threatened - Nationally Vulnerable
<i>Coprosma parviflora</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma pedicellata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Declining
<i>Coprosma perpusilla</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma petiolata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Naturally Uncommon
<i>Coprosma petriei</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma propinqua</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma pseudociliata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma pseudocuneata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma repens</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened

<i>Coprosma rhamnoides</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma rigida</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma robusta</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma rotundifolia</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma rubra</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma rugosa</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma serrulata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma spathulata</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma talbrockiei</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Threatened - Nationally Critical
<i>Coprosma tenuicaulis</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma tenuifolia</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Not Threatened
<i>Coprosma virescens</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Declining
<i>Coprosma waima</i>	Rubiaceae	Core Eudicots	Wind	21, 22	Threatened - Nationally Endangered
<i>Coprosma wallii</i>	Rubiaceae	Core Eudicots	Wind	21, 22	At risk - Declining
<i>Galium antarcticum</i>	Rubiaceae	Core Eudicots	Insect	21, 39	At risk - Naturally Uncommon
<i>Galium perpusillum</i>	Rubiaceae	Core Eudicots	Insect	21, 39	Not Threatened
<i>Galium propinquum</i>	Rubiaceae	Core Eudicots	Insect	21, 39	Not Threatened
<i>Galium trilobum</i>	Rubiaceae	Core Eudicots	Insect	21, 39	Not Threatened
<i>Leptostigma setulosum</i>	Rubiaceae	Core Eudicots	Wind	21	Not Threatened
<i>Nertera balfouriana</i>	Rubiaceae	Core Eudicots	Wind	21	Not Threatened
<i>Nertera ciliata</i>	Rubiaceae	Core Eudicots	Wind	21	Not Threatened
<i>Nertera depressa</i>	Rubiaceae	Core Eudicots	Wind	21	Not Threatened
<i>Nertera dichondrifolia</i>	Rubiaceae	Core Eudicots	Wind	21	Not Threatened
<i>Nertera scapanioides</i>	Rubiaceae	Core Eudicots	Wind	21	Not Threatened
<i>Nertera villosa</i>	Rubiaceae	Core Eudicots	Wind	21	Not Threatened
<i>Leionema nudum</i>	Rutaceae	Core Eudicots	Insect	21	Not Threatened
<i>Melicope simplex</i>	Rutaceae	Core Eudicots	Insect	20,21	Not Threatened
<i>Melicope ternata</i>	Rutaceae	Core Eudicots	Insect	21	Not Threatened
<i>Exocarpos bidwillii</i>	Santalaceae	Core Eudicots	Bird/insect	5	Not Threatened
<i>Alectryon excelsus</i>	Sapindaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Dodonaea viscosa</i>	Sapindaceae	Core Eudicots	Wind	21	Not Threatened

<i>Planchonella costata</i>	Sapotaceae	Core Eudicots	Bird/insect	5	At risk - Relict
<i>Myoporum laetum</i>	Scrophulariaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Myoporum rapense</i>	Scrophulariaceae	Core Eudicots	Insect	12, 21	At risk - Naturally Uncommon
<i>Solanum americanum</i>	Solanaceae	Core Eudicots	Insect (buzz-pollinated)	21, 22	Not Threatened
<i>Solanum aviculare</i>	Solanaceae	Core Eudicots	Insect (buzz-pollinated)	21, 22	At risk - Naturally Uncommon
<i>Solanum laciniatum</i>	Solanaceae	Core Eudicots	Insect (buzz-pollinated)	21, 22	Not Threatened
<i>Ixerba brexioides</i>	Strasburgeriaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Donatia novae-zelandiae</i>	Stylidiaceae	Core Eudicots	Insect	21, 22	Not Threatened
<i>Forstera cristis</i>	Stylidiaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Forstera mackayi</i>	Stylidiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Forstera purpurata</i>	Stylidiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Forstera sedifolia</i>	Stylidiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Forstera tenella</i>	Stylidiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Phyllachne clavigera</i>	Stylidiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Phyllachne colensoi</i>	Stylidiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Phyllachne rubra</i>	Stylidiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Stylidium subulatum</i>	Stylidiaceae	Core Eudicots	Insect	21	Not Threatened
<i>Tetrachondra hamiltonii</i>	Tetrachondraceae	Core Eudicots	Wind?	21	Threatened - Nationally Vulnerable
<i>Kelleria childii</i>	Thymelaeaceae	Core Eudicots	Insect	21	Not Threatened
<i>Kelleria croizatii</i>	Thymelaeaceae	Core Eudicots	Insect	21	Not Threatened
<i>Kelleria dieffenbachii</i>	Thymelaeaceae	Core Eudicots	Insect	21	Not Threatened
<i>Kelleria laxa</i>	Thymelaeaceae	Core Eudicots	Insect	21	Not Threatened
<i>Kelleria lyallii</i>	Thymelaeaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Kelleria multiflora</i>	Thymelaeaceae	Core Eudicots	Insect	21	Not Threatened
<i>Kelleria paludosa</i>	Thymelaeaceae	Core Eudicots	Insect	21	Not Threatened
<i>Kelleria tessellata</i>	Thymelaeaceae	Core Eudicots	Insect	21	At risk - Naturally Uncommon
<i>Kelleria villosa</i>	Thymelaeaceae	Core Eudicots	Insect	21	Not Threatened
<i>Pimelea acra</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Naturally Uncommon
<i>Pimelea actea</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Threatened - Nationally Critical
<i>Pimelea aridula</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Declining
<i>Pimelea buxifolia</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Not Threatened

<i>Pimelea carnosa</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Not Threatened
<i>Pimelea concinna</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Not Threatened
<i>Pimelea eremitica</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Threatened - Nationally Critical
<i>Pimelea gnidia</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Not Threatened
<i>Pimelea ignota</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Threatened - Nationally Critical
<i>Pimelea longifolia</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Declining
<i>Pimelea lyallii</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Declining
<i>Pimelea microphylla</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Naturally Uncommon
<i>Pimelea oreophila</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Not Threatened
<i>Pimelea orthia</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Threatened - Nationally Critical
<i>Pimelea poppelwellii</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Naturally Uncommon
<i>Pimelea prostrata</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Not Threatened
<i>Pimelea pseudolyallii</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Naturally Uncommon
<i>Pimelea sericeovillosa</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Naturally Uncommon
<i>Pimelea sporadica</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Naturally Uncommon
<i>Pimelea suteri</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Naturally Uncommon
<i>Pimelea telura</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Naturally Uncommon
<i>Pimelea tomentosa</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Threatened - Nationally Vulnerable
<i>Pimelea traversii</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Not Threatened
<i>Pimelea urvilleana</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	Not Threatened
<i>Pimelea villosa</i>	Thymelaeaceae	Core Eudicots	Insect	6, 21	At risk - Declining
<i>Australina pusilla</i>	Urticaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Elatostema rugosum</i>	Urticaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Parietaria debilis</i>	Urticaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Pouzolzia australis</i>	Urticaceae	Core Eudicots	Wind	21, 38	Threatened - Nationally Endangered
<i>Urtica aspera</i>	Urticaceae	Core Eudicots	Wind	21, 38	At risk - Naturally Uncommon
<i>Urtica australis</i>	Urticaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Urtica ferox</i>	Urticaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Urtica perconfusa</i>	Urticaceae	Core Eudicots	Wind	21, 38	At risk - Declining
<i>Urtica sykesii</i>	Urticaceae	Core Eudicots	Wind	21, 38	Not Threatened
<i>Melicytus alpinus</i>	Violaceae	Core Eudicots	Insect	21, 37	Not Threatened

<i>Melicytus chathamicus</i>	Violaceae	Core Eudicots	Insect	21, 37	At risk - Naturally Uncommon
<i>Melicytus crassifolius</i>	Violaceae	Core Eudicots	Insect	21, 37	At risk - Declining
<i>Melicytus drucei</i>	Violaceae	Core Eudicots	Insect	21, 37	Threatened - Nationally Endangered
<i>Melicytus flexuosus</i>	Violaceae	Core Eudicots	Bird/insect	18	Threatened - Nationally Vulnerable
<i>Melicytus lanceolatus</i>	Violaceae	Core Eudicots	Bird/insect	18	Not Threatened
<i>Melicytus macrophyllus</i>	Violaceae	Core Eudicots	Insect	21, 37	Not Threatened
<i>Melicytus micranthus</i>	Violaceae	Core Eudicots	Insect	20,21	Not Threatened
<i>Melicytus novae-zelandiae</i>	Violaceae	Core Eudicots	Insect/Wind	20	Not Threatened
<i>Melicytus obovatus</i>	Violaceae	Core Eudicots	Bird/insect	18	At risk - Relict
<i>Melicytus ramiflorus</i>	Violaceae	Core Eudicots	Bird/insect	18, 22	Not Threatened
<i>Viola cunninghamii</i>	Violaceae	Core Eudicots	Insect	21, 37	Not Threatened
<i>Viola filicaulis</i>	Violaceae	Core Eudicots	Insect	21, 37	Not Threatened
<i>Viola lyallii</i>	Violaceae	Core Eudicots	Insect	21, 37	Not Threatened
<i>Korthalsella clavata</i>	Viscaceae	Core Eudicots	Bird/insect	5	At risk - Declining
<i>Korthalsella lindsayi</i>	Viscaceae	Core Eudicots	Bird/insect	5	Not Threatened
<i>Korthalsella salicornioides</i>	Viscaceae	Core Eudicots	Bird/insect	5	Threatened - Nationally Critical

---

## Appendix C – References to Method of Pollination

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## Appendix D – Code used in R, version 4.0.3

```
#####  
###           ###  
###   SETUP   ###  
###           ###  
#####  
  
#load datafile containing occurrences  
GBIF=read.table("C://gbif//15_mars_2021//occurrence.txt", sep="\t", header=T, quote= "", fill = T)  
  
#select columns used in study  
GBIF=GBIF[,c(1,103, 191:198)]  
  
#sort data by genus-specificEpithet-year  
GBIF=GBIF[order( GBIF$genus, GBIF$specificEpithet, GBIF$year),]  
  
#remove rows that lack data in either of these columns:  
GBIF=GBIF[!(is.na(GBIF$year) | GBIF$genus=="" | GBIF$specificEpithet==""), ]  
  
#format name to fit the other datafile  
GBIF$species=paste0(GBIF$genus,"_",GBIF$specificEpithet)  
  
#load datafile containing species, pollination method, colour and threat status  
pollination=read.table("C://All_data_NZ.txt", sep="\t", header=T, quote= "", fill = T)  
  
#####  
###           ###  
### COLLECTION PATTERNS ###  
###           ###  
#####  
  
#create columns to put number of occurrences  
pollination$new=numeric(nrow(pollination))  
pollination$old=numeric(nrow(pollination))  
pollination$total=numeric(nrow(pollination))  
  
#count occurrences in GBIF and print these for each species  
for (i in 1:nrow(pollination)){  
  year=GBIF$year[which(GBIF$species==pollination$Species_name_2021[i])]  
  pollination$new[i]=length(year[year>1980])  
  pollination$old[i]=length(year[year<1980])  
  pollination$total[i]=length(year)  
}  
  
#remove species with less than 10 occurrences or that are to be excluded from the study  
pollination=pollination[pollination$total>10 & pollination$Keep_for_analyse==1,]
```

```

#create matrix for counting data
result=matrix(numeric(4),ncol = 2)
rownames(result)=c("nonbird","bird")
colnames(result)=c("post_1980", "pre_1980")

#sum up and write the number of species that are bird pollinated / other with more observations before
or after the median (1980)
result[1,1]=length(pollination$Species_name_2021[pollination$Pollination%in%c("Bird","Bird/insect")==
F & pollination$new>pollination$old])
result[2,1]=length(pollination$Species_name_2021[pollination$Pollination%in%c("Bird","Bird/insect")==
T & pollination$new>pollination$old])
result[1,2]=length(pollination$Species_name_2021[pollination$Pollination%in%c("Bird","Bird/insect")==
F & pollination$new<pollination$old])
result[2,2]=length(pollination$Species_name_2021[pollination$Pollination%in%c("Bird","Bird/insect")==
T & pollination$new<pollination$old])

#fisher test
fisher.test(result)

```

```

#####
###          ###
###   THREAT STATUS   ###
###          ###
#####

```

```

#create matrix for counting data
threat=matrix(numeric(4),ncol = 2)
rownames(threat)=c("nonbird","bird")
colnames(threat)=c("Not_Threatened", "Threatened")

#sum up and write the number of species that are bird pollinated / other that have a threatened or not
threatened status

threat[1,2]=length(pollination$Species_name_2021[pollination$Pollination%in%c("Bird","Bird/insect")==
F & pollination$Conservation_status_2017%in%c("At risk-Declining", "At risk-Relict", "Extinct",
"Threatened-Nationally Critical","Threatened-Nationally Endangered", "Threatened-Nationally
Vulnerable")==T])

threat[2,2]=length(pollination$Species_name_2021[pollination$Pollination%in%c("Bird","Bird/insect")==
T & pollination$Conservation_status_2017%in%c("At risk-Declining", "At risk-Relict", "Extinct",
"Threatened-Nationally Critical","Threatened-Nationally Endangered", "Threatened-Nationally
Vulnerable")==T])

threat[1,1]=length(pollination$Species_name_2021[pollination$Pollination%in%c("Bird","Bird/insect")==
F & pollination$Conservation_status_2017=="Not Threatened"])

threat[2,1]=length(pollination$Species_name_2021[pollination$Pollination%in%c("Bird","Bird/insect")==
T & pollination$Conservation_status_2017=="Not Threatened"])

```

```
#fisher test
fisher.test(threat)
```

```
#####
###                               ###
### COLOUR DISTRIBUTION          ###
###                               ###
#####
```

```
#load file containing all species, pollination method and flower colour
colour_all=read.table("C://All_data_NZ.txt", sep="\t", header=T, quote=" ", fill = T)
```

```
#remove species that are to be excluded from the study
colour_selected=colour_all[colour_all$Keep_for_analyse==1,]
```

```
#create matrix for counting data
colour_flowers=matrix(numeric(45),ncol = 15)
rownames(colour_flowers)=c("bird","other","all")
colnames(colour_flowers)=c("Black","Blue","Brown","Cream","Green","Grey","Lavender","Orange","Purple","Red/Pink","Violet/Purple","White","Yellow","No_flower","No_data")
```

```
#count and write all species that are bird pollinated / other / total for each flower colour
colour_flowers[1,1]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird","Bird/insect")==T & colour_selected$Flower_colour_Black==1])
colour_flowers[2,1]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird","Bird/insect")==F & colour_selected$Flower_colour_Black==1])
colour_flowers[3,1]=length(colour_selected$Species_name_2021[colour_selected$Flower_colour_Black==1])
```

```
colour_flowers[1,2]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird","Bird/insect")==T & colour_selected$Flower_colour_Blue==1])
colour_flowers[2,2]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird","Bird/insect")==F & colour_selected$Flower_colour_Blue==1])
colour_flowers[3,2]=length(colour_selected$Species_name_2021[colour_selected$Flower_colour_Blue==1])
```

```
colour_flowers[1,3]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird","Bird/insect")==T & colour_selected$Flower_colour_Brown==1])
colour_flowers[2,3]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird","Bird/insect")==F & colour_selected$Flower_colour_Brown==1])
colour_flowers[3,3]=length(colour_selected$Species_name_2021[colour_selected$Flower_colour_Brown==1])
```

```
colour_flowers[1,4]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird","Bird/insect")==T & colour_selected$Flower_colour_Cream==1])
colour_flowers[2,4]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird","Bird/insect")==F & colour_selected$Flower_colour_Cream==1])
```

colour\_flowers[3,4]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Flower\_colour\_Cream==1])

colour\_flowers[1,5]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==T & colour\_selected\$Flower\_colour\_Green==1])

colour\_flowers[2,5]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==F & colour\_selected\$Flower\_colour\_Green==1])

colour\_flowers[3,5]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Flower\_colour\_Green==1])

colour\_flowers[1,6]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==T & colour\_selected\$Flower\_colour\_Grey==1])

colour\_flowers[2,6]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==F & colour\_selected\$Flower\_colour\_Grey==1])

colour\_flowers[3,6]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Flower\_colour\_Grey==1])

colour\_flowers[1,7]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==T & colour\_selected\$Flower\_colour\_Lavender==1])

colour\_flowers[2,7]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==F & colour\_selected\$Flower\_colour\_Lavender==1])

colour\_flowers[3,7]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Flower\_colour\_Lavender==1])

colour\_flowers[1,8]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==T & colour\_selected\$Flower\_colour\_Orange==1])

colour\_flowers[2,8]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==F & colour\_selected\$Flower\_colour\_Orange==1])

colour\_flowers[3,8]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Flower\_colour\_Orange==1])

colour\_flowers[1,9]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==T & colour\_selected\$Flower\_colour\_Purple==1])

colour\_flowers[2,9]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==F & colour\_selected\$Flower\_colour\_Purple==1])

colour\_flowers[3,9]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Flower\_colour\_Purple==1])

colour\_flowers[1,10]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==T & colour\_selected\$Flower\_colour\_Red\_Pink==1])

colour\_flowers[2,10]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==F & colour\_selected\$Flower\_colour\_Red\_Pink==1])

colour\_flowers[3,10]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Flower\_colour\_Red\_Pink==1])

colour\_flowers[1,11]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==T & colour\_selected\$Flower\_colour\_Violet\_Purple==1])

colour\_flowers[2,11]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Pollination%in%c("Bird","Bird/insect")==F & colour\_selected\$Flower\_colour\_Violet\_Purple==1])

colour\_flowers[3,11]=length(colour\_selected\$Species\_name\_2021[colour\_selected\$Flower\_colour\_Violet\_Purple==1])

```
colour_flowers[1,12]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird", "Bird/insect")]==T & colour_selected$Flower_colour_White==1))
colour_flowers[2,12]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird", "Bird/insect")]==F & colour_selected$Flower_colour_White==1))
colour_flowers[3,12]=length(colour_selected$Species_name_2021[colour_selected$Flower_colour_White==1])
```

```
colour_flowers[1,13]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird", "Bird/insect")]==T & colour_selected$Flower_colour_Yellow==1))
colour_flowers[2,13]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird", "Bird/insect")]==F & colour_selected$Flower_colour_Yellow==1))
colour_flowers[3,13]=length(colour_selected$Species_name_2021[colour_selected$Flower_colour_Yellow==1])
```

```
colour_flowers[1,14]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird", "Bird/insect")]==T & colour_selected$Flower_colour_No_flowers==1))
colour_flowers[2,14]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird", "Bird/insect")]==F & colour_selected$Flower_colour_No_flowers==1))
colour_flowers[3,14]=length(colour_selected$Species_name_2021[colour_selected$Flower_colour_No_flowers==1])
```

```
#in case there are no data on a given species then count this as no_data
```

```
colour_flowers[1,15]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird", "Bird/insect")]==T & colour_selected$Sum_of_Flower_colour==0))
colour_flowers[2,15]=length(colour_selected$Species_name_2021[colour_selected$Pollination%in%c("Bird", "Bird/insect")]==F & colour_selected$Sum_of_Flower_colour==0))
colour_flowers[3,15]=length(colour_selected$Species_name_2021[colour_selected$Sum_of_Flower_colour==0])
```

```
#transpose the table for the chi-square test
```

```
colour_flowers_t=as.data.frame(as.matrix(t(colour_flowers)))
```

```
#select rows and columns for the chi-square test
```

```
test_colours=colour_flowers_t[, 1:2]
```

```
test_colours=test_colours[ 1:14, ]
```

```
#chi-square test
```

```
chisq.test(test_colours)
```

```
#####
```

## Appendix E – Flower Colour by Method of Pollination

**Table E1:** Number of each flower colour grouped by bird pollination (n=449) or other pollination method (n=2735) as well as the total number for each flower colour.

Colour:	Pollinated by bird	Pollinated by other	Total for each colour
Black	2	28	30
Blue	6	58	64
Brown	5	73	78
Cream	24	88	112
Green	52	240	292
Grey	0	28	28
Lavender	5	23	28
Orange	6	45	51
Purple	1	26	27
Red/Pink	61	222	283
Violet/Purple	42	162	204
White	171	670	841
Yellow	48	458	506
No flowers	0	23	23
No data	26	591	617



