



NEW ZEALAND THREAT CLASSIFICATION SERIES 8

Conservation status of New Zealand freshwater invertebrates, 2013

Natasha Grainger, Kevin Collier, Rod Hitchmough, Jon Harding, Brian Smith and Darin Sutherland

Cover: *Polyplectropus* sp. Photo: Brian Smith, NIWA.

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Conservation status of New Zealand freshwater invertebrates, 2013

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Abstract

The conservation status of 644 freshwater invertebrate taxa, across five Phyla, 28 Orders and 75 Families, was assessed using the New Zealand Threat Classification System (NZTCS) criteria. Forty-six species were ranked Nationally Critical, 11 Nationally Endangered and 16 Nationally Vulnerable. One hundred and seventy-two taxa were listed as Data Deficient. A full list is presented, along with summaries and brief notes on the most important changes. This list replaces all previous NZTCS lists for freshwater invertebrates.

Keywords: New Zealand Threat Classification System, conservation status, freshwater invertebrates.

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1. Summary

The conservation status of freshwater invertebrates was assessed using the New Zealand Threat Classification System (NZTCS) criteria (Townsend et al. 2008). This is the first freshwater invertebrate list to be prepared under the Townsend et al. (2008) system. The previous freshwater invertebrate list was prepared in 2005 using the Molloy et al. (2002) New Zealand Threat Classification System and published in Hitchmough et al. (2007). Prior to this, 79 freshwater species were ranked in 2001 (Hitchmough 2002), and two species were assessed by Molloy & Davis (1992).

Hitchmough et al. (2007) assessed the conservation status of 143 freshwater invertebrate taxa while the 2013 panel expanded this by assessing the conservation status of 644 taxa, across five Phyla, 28 Orders and 75 Families. This is the first time a systematic approach has been taken to assess the conservation status of all native taxa in most of the Orders that have freshwater taxa within them, rather than just those that might be threatened. In some other Orders, not all of the taxa could be assessed, but possibly threatened taxa were. A more detailed analysis of the coverage of this process will be published elsewhere.

The 2005 list (Hitchmough et al. 2007) had two species listed that are now not considered valid species and they were removed from the list (Table 1), and another eight freshwater species that have subsequently been assessed by other expert panels (two Diptera in Andrew et al. (2012) and six Coleoptera in Leschen et al. (2012)) so they were omitted from this assessment (Table 2). One other species; the nematode *Michoncus rex*, also listed on the 2005 freshwater invertebrate list was re-ranked in 2012 by a terrestrial expert panel as Not Threatened (Yeates et al. 2012), but this ranking was not agreed by our panel. This poorly known aquatic species is only known from collections in 1904 from Lakes Manapouri and Wakatipu, and the panel felt it was more appropriately listed on the freshwater invertebrate list. Due to the lack of information about this nematode it has been listed as Data Deficient. This assessment of *Miconchus rex* replaces the assessment for it in Yeates et al. (2012).

Table 1. Freshwater invertebrate taxa considered Taxonomically Indistinct and not assessed.

NAME AND AUTHORITY	COMMON NAME	FAMILY
<i>Latia climoi</i> Starobogatov, 1986	Limpet	Latiidae
<i>Cucumerunio websteri delli</i> (Simpson, 1902)	Mussel	Hyriidae

Table 2. Freshwater invertebrate taxa ranked by other expert panels and excluded from this assessment. Beetles were assessed by Leschen et al. (2012) and net-winged midges (Blephariceridae) by Andrew et al. (2012).

NAME AND AUTHORITY	FAMILY	2005 RANKING	2012 RANKING
Beetles			
<i>Rhantus plantaris</i> Sharp, 1882	Dytiscidae	Nationally Critical	Naturally Uncommon
<i>Rhantus schauinslandi</i> Ordish, 1989	Dytiscidae	Nationally Critical	Nationally Critical
<i>Gyrinus convexiusculus</i> Macleay, 1871	Gyrinidae	Not ranked	Naturally Uncommon
<i>Orchymontia dugdalei</i> Ordish, 1984	Hydraenidae	Not ranked	Naturally Uncommon
<i>Orchymontia laminifera</i> Ordish, 1984	Hydraenidae	Not ranked	Naturally Uncommon
<i>Horelophus walkeri</i> d'Orchmont 1913	Hydrophilidae	Not ranked	Nationally Endangered
Net-winged midges			
<i>Neocurupira chiltoni</i> (Campbell, 1921)	Blephariceridae	Range Restricted	Naturally Uncommon
<i>Nothohoraia micrognathia</i> Craig, 1969	Blephariceridae	Data Deficient	Naturally Uncommon

Since Hitchmough et al. (2007), 70 species have been taxonomically revised (Table 3). Considerable work has been done by Ian Henderson, Kjell Johanson and John Ward on caddisflies and by Martin Hasse on snails, particularly Tateidae (formerly Hydrobiidae).

Table 3. Name changes affecting New Zealand freshwater invertebrates since the publication of Hitchmough et al. (2007).

NAME IN 2005 LIST	NAME IN THIS DOCUMENT	COMMON NAME
Phylum Arthropoda		
<i>Alloecentrella</i> species C	<i>Alloecentrella incisus</i> Henderson & Ward, 2007	Caddisfly
<i>Edpercivalia</i> sp. G	<i>Edpercivalia flintorum</i> Ward 2005	Caddisfly
<i>Helicopsyche cuvieri</i> Johanson	<i>Helicopsyche (Saetotricha) cuvieri</i> Johanson, 1999	Caddisfly
<i>Helicopsyche haurapango</i> Johanson	<i>Helicopsyche (Saetotricha) haurapango</i> Johanson, 1999	Caddisfly
<i>Helicopsyche torino</i> Johanson	<i>Helicopsyche (Saetotricha) torino</i> Johanson, 1999	Caddisfly
<i>Oxyethira waipoua</i> Wise, 1998	<i>Oxyethira (Trichoglene) waipoua</i> Wise, 1998	Caddisfly
<i>Paroxyethira</i> sp. B	<i>Paroxyethira zoeae</i> Ward & Henderson 2004	Caddisfly
<i>Paroxyethira</i> sp. H	<i>Paroxyethira hughwilsoni</i> Ward & Henderson, 2004	Caddisfly
<i>Paroxyethira</i> sp. S	<i>Paroxyethira sarae</i> Ward & Henderson 2004	Caddisfly
<i>Paroxyethira</i> sp. W	<i>Paroxyethira manapouri</i> Ward & Henderson 2004	Caddisfly
<i>Paroxyethira</i> sp. WP	<i>Paroxyethira ramifera</i> Ward & Henderson 2004	Caddisfly
<i>Deleatidium magnum</i>	<i>Deleatidium (Deleatidium) magnum</i> Towns & Peters, 1996	Mayfly
Phylum Arthropoda, subphylum Crustacea		
<i>Lepidurus viridus</i>	<i>Lepidurus apus viridus</i> (Baird, 1850)	Tadpole shrimp
Phylum Mollusca		
<i>Cucumerunio websteri websteri</i> (Simpson, 1902)	<i>Echydella aucklandica</i> (Gray, 1843)	Mussel
<i>Hyridella menziesii</i> (Gray, 1843)	<i>Echydella menziesii</i> (Dieffenbach, 1843)	Mussel
<i>Catapyrgus spelaeus</i> Climo, 1973 & Hydrobiidae sp. 37 (M.174163)	<i>Catapyrgus spelaeus</i> Climo, 1973	Snail
Hydrobiidae sp. 1 (M.174057)	<i>Potamopyrgus kaitunuparaoa</i> Haase, 2008	Snail
Hydrobiidae sp. 2 (M.174060)	<i>Potamopyrgus acus</i> Haase, 2008	Snail
Hydrobiidae sp. 3 (M.174062)	<i>Potamopyrgus oppidanus</i> Haase, 2008	Snail
Hydrobiidae sp. 4 (M.174064)	<i>Potamopyrgus doci</i> Haase, 2008	Snail
Hydrobiidae sp. 6 (M.174075)	<i>Sororipyrgus raki</i> Haase, 2008	Snail
Hydrobiidae sp. 7 (M.174081)	<i>Sororipyrgus marshalli</i> Haase, 2008	Snail
Hydrobiidae sp. 8 (M.174083)	<i>Sororipyrgus kutukutu</i> Haase, 2008	Snail
Hydrobiidae sp. 9 (M.174091)	<i>Leptopyrgus melbourni</i> Haase, 2008	Snail
Hydrobiidae sp. 10 (M.174095)	<i>Leptopyrgus tainui</i> Haase, 2008	Snail
Hydrobiidae sp. 11 (M.174101)	<i>Opacuincola dulcinella</i> Haase, 2008	Snail
Hydrobiidae sp. 12 (M.174104)	<i>Opacuincola johanstraussi</i> Haase, 2008	Snail
Hydrobiidae sp. 13 (M.174115)	<i>Opacuincola eduardstraussi</i> Haase, 2008	Snail
Hydrobiidae sp. 14 (M.174117)	<i>Opacuincola josefstraussi</i> Haase, 2008	Snail
Hydrobiidae sp. 15 (M.174119)	<i>Opacuincola cervicesmadentes</i> Haase, 2008	Snail
Hydrobiidae sp. 16 (M.174121)	<i>Opacuincola ngatapuna</i> Haase, 2008	Snail
Hydrobiidae sp. 17 (M.174124)	<i>Opacuincola delira</i> Haase, 2008	Snail
Hydrobiidae sp. 18 (M.174131)	<i>Opacuincola terraelapsus</i> Haase, 2008	Snail
Hydrobiidae sp. 19 (M.174133)	<i>Opacuincola mete</i> Haase, 2008	Snail
Hydrobiidae sp. 20 (M.174135)	<i>Opacuincola permutata</i> Haase, 2008	Snail
Hydrobiidae sp. 21 (M.174139)	<i>Opacuincola takakaensis</i> Haase, 2008	Snail
Hydrobiidae sp. 22 (M.174051)	<i>Opacuincola lentesferens</i> Haase, 2008	Snail
Hydrobiidae sp. 23 (M.174140)	<i>Opacuincola ignorata</i> Haase, 2008	Snail

Continued on next page

Table 3—continued

NAME IN 2005 LIST	NAME IN THIS DOCUMENT	COMMON NAME
Hydrobiidae sp. 24 (M.174141)	<i>Opacuincola roscoei</i> Haase, 2008	Snail
Hydrobiidae sp. 25 (M.174142)	<i>Opacuincola geometrica</i> Haase, 2008	Snail
Hydrobiidae sp. 26 (M.174143)	<i>Opacuincola turriformis</i> Haase, 2008	Snail
Hydrobiidae sp. 27 (M.174188)	<i>Opacuincola ovata</i> Haase, 2008	Snail
Hydrobiidae sp. 28 (M.174106)	<i>Opacuincola fruticis</i> Haase, 2008	Snail
Hydrobiidae sp. 29 (M.174146)	<i>Opacuincola abradeta</i> Haase, 2008	Snail
Hydrobiidae sp. 30 (M.174148)	<i>Opacuincola favus</i> Haase, 2008	Snail
Hydrobiidae sp. 31 (M.174150)	<i>Opacuincola piriformis</i> Haase, 2008	Snail
Hydrobiidae sp. 32 (M.174151)	<i>Opacuincola conosimilis</i> Haase, 2008	Snail
Hydrobiidae sp. 33 (M.174154)	<i>Hadopyrgus ngataana</i> Haase, 2008	Snail
Hydrobiidae sp. 34 (M.174193)	<i>Hadopyrgus rawhiti</i> Haase, 2008	Snail
Hydrobiidae sp. 35 (AK 69073)	<i>Hadopyrgus expositus</i> Haase, 2008	Snail
Hydrobiidae sp. 36 (M.174156)	<i>Hadopyrgus dubius</i> Haase, 2008	Snail
Hydrobiidae sp. 37 (M.174163) & <i>Catapyrgus spelaeus</i> Climo, 1973	<i>Catapyrgus spelaeus</i> Climo, 1973	Snail
Hydrobiidae sp. 38 (M.174165)	<i>Catapyrgus sororius</i> Haase, 2008	Snail
Hydrobiidae sp. 39 (M.174166)	<i>Catapyrgus matapango</i> Haase, 2008	Snail
Hydrobiidae sp. 40 (M.174174)	<i>Obtusopyrgus alpinus</i> Haase, 2008	Snail
Hydrobiidae sp. 41 (M.174175)	<i>Tongapyrgus kohitatea</i> Haase, 2008	Snail
Hydrobiidae sp. 42 (M.174202)	<i>Meridiopyrgus murihiku</i> Haase, 2008	Snail
Hydrobiidae sp. 43 (M.174181)	<i>Meridiopyrgus muaupoko</i> Haase, 2008	Snail
Hydrobiidae sp. 44 (M.174197)	<i>Meridiopyrgus pupiformis</i> Haase, 2008	Snail
Hydrobiidae sp. 45 (M.174184)	<i>Meridiopyrgus inanga</i> Haase, 2008	Snail
Hydrobiidae sp. 46 (AK48942)	<i>Rakiurapyrgus micula</i> Haase, 2008	Snail
<i>Lymnaea tomentosa</i> (Pfeiffer, 1855)	<i>Austropeplea tomentosa</i> (Pfeiffer, 1855)	Snail
<i>Potamopyrgus cresswelli</i> Climo, 1974	<i>Rakiurapyrgus cresswelli</i> (Climo, 1974)	Snail
<i>Potamopyrgus gardneri</i> Climo, 1974	<i>Rakipyrgus gardneri</i> (Climo, 1974)	Snail
<i>Potamopyrgus manningi</i> Climo, 1974	<i>Leptopyrgus manningi</i> (Climo, 1974)	Snail
<i>Potamopyrgus pupoides</i> Hutton, 1882	<i>Halopyrgus pupoides</i> (Hutton, 1882)	Snail
<i>Potamopyrgus subterraneus</i> (Suter, 1905)	<i>Tongapyrgus subterraneus</i> (Suter, 1905)	Snail
<i>Saganoa inflata</i> (Climo, 1974)	<i>Kuschelita inflata</i> Climo, 1974	Snail
<i>Saganoa mica</i> (Climo, 1974)	<i>Kuschelita mica</i> Climo, 1974	Snail

In 2005 (Hitchmough et al. 2007), 143 taxa were assessed; the panel increased this number fourfold to 644 (Table 4). The largest increases were seen in caddisflies, stoneflies and beetles. The increase in number of taxa reviewed was due to a more intensive review process, greater use of databases and wider consultation rather than through advances in taxonomy.

While the number and type of species assessed can be compared between listings, presenting summaries of the changes in threat status between lists for all taxa is problematic, as they have been compiled under different threat classification systems and because a large number of taxa (501) have been added in this assessment. However, a summary comparison of the threat status of the 143 taxa that were assessed in 2005 with their status in 2013 is presented in Table 4.

The number and proportion of taxa assigned to each category in 2005 and 2013 is presented in Table 5. In 2005, the majority of taxa classified were designated as Naturally Uncommon, whereas in 2013, Naturally Uncommon taxa declined and the number of Data Deficient taxa increased to 26.7% of the total taxa assessed.

Table 4. Summary of freshwater invertebrate taxa assessed in 2005 and the threat categories to which they have been assigned in 2013.

	CONSERVATION STATUS 2013									
	Total	Data Deficient	Nationally Critical	Nationally Endangered	Nationally Vulnerable	Declining	Naturally Uncommon	Not Threatened	Taxonomically Indistinct	Evaluated by other panel
Data Deficient	27	14		1	2		4	3	2	1
Acutely Threatened	11	6	2				1			2
	1					1				
	2			1						
Chronically Threatened	3					2		1		
At Risk	86*	39	18	5	4	1	16	1		1
	11	2		1		1	4	3		
Not Threatened	2				1			1		
Total	143	61	20	8	8	5	25	9	2	4

* Note that in 2005 *Catapyrgus spelaeus* and *Hydrobiidae* sp. 37 were assessed as two separate species, but in 2013 they are considered the same Naturally Uncommon species. Therefore, the Conservation Status 2013 columns in the Range Restricted row sum to 85 not 86.

Table 5. Comparison of the status of New Zealand freshwater invertebrates assessed in 2005 (Hitchmough et al. 2007) and 2013 (this document).

Note: the 2005 categories (Molloy et al. 2002) are not directly comparable with the 2013 categories (Townsend et al. 2008), but they have been aligned with their nearest 2013 equivalent.

CATEGORY	TOTAL 2005	TOTAL 2013
Extinct	0	0
Data Deficient	27	172
Threatened—Nationally Critical	11	46
Threatened—Nationally Endangered	2	11
Threatened—Nationally Vulnerable	1	16
At Risk—Declining	3	9
At Risk—Recovering	0	0
At Risk—Relict	0	0
At Risk—Naturally Uncommon	97*	80
Non-resident native—Migrant	0	0
Non-resident native—Vagrant	0	1
Non-resident native—Coloniser	0	5
Not Threatened	2	296
Introduced and Naturalised	0	0
Evaluated by other expert panels	0	8
Total	143	644

* This figure includes 11 taxa listed as Sparse and 86 listed as Range Restricted according to the categories of Molloy et al. (2002).

Table 6 summarises the threat category distributions of the 644 taxa assessed in 2013 in comparison with those in 2005.

No freshwater invertebrate taxa have been listed as Extinct, although four species may be. To our knowledge, there have been no recent collections of these species, so two were assessed as Nationally Critical using available information (the caddisfly *Edpercivalia dugdalei* and the snail *Potamopyrgus acus*) and the other two were listed as Data Deficient (the caddisfly *Psilochorema spiniharpax* and the mayfly *Oniscigaster intermedius*). In addition, a number of other species are known from one specimen or have not been seen since they were described.

Four of the 11 freshwater invertebrate taxa listed as Nationally Critical in 2005 have remained in the Nationally Critical category while six have been re-classified as Data Deficient and one as Naturally Uncommon. The large number of taxa classified as Data Deficient (172) combined with taxa that have the qualifier Data Poor highlights the need for more distribution surveys to make informed assessments. Of the 27 taxa listed as Data Deficient in 2005, 14 remain Data Deficient, while the others have now been assigned to a threat category.

Taxa can change status between listings either as a result of better understanding of distribution and population trend, or genuine changes in abundance or range, or, with this being the first listing of freshwater invertebrates using the Townsend et al. (2008) criteria, as a result of changes to the categories and criteria themselves. A more detailed analysis of the changes between the two listings and the drivers of changes in status will be published elsewhere.

Table 6. Summary of status changes of freshwater invertebrate taxa between 2005 (Hitchmough et al. 2007) and 2013 (this document).

CONSERVATION STATUS 2013	CONSERVATION STATUS 2005	DETERMINATE	INDETERMINATE	TOTAL
DATA DEFICIENT		145	27	172
	Data Deficient	10	4	14
	Nationally Critical	6	0	6
	Range Restricted	39	0	39
	Sparse	2	0	2
	Not listed	88	23	111
THREATENED		66	7	73
Nationally Critical		42	4	46
	Nationally Critical	2	0	2
	Not listed	33	4	37
	Range Restricted	7	0	7
Nationally Endangered		9	2	11
	Not listed	6	2	8
	Range Restricted	3	0	3
Nationally Vulnerable		15	1	16
	Not listed	13	1	14
	Not Threatened	1	0	1
	Range Restricted	1	0	1
AT RISK		82	7	89
Declining		8	1	9
	Nationally Vulnerable	1	0	1
	Not listed	7	1	8
Naturally Uncommon		74	6	80
	Data Deficient	2	0	2
	Nationally Critical	1	0	1
	Not listed	64	6	70
	Range Restricted	5	0	5
	Sparse	2	0	2
NON-RESIDENT NATIVE		6	0	6
Vagrant		1	0	1
	Not listed	1	0	1
Coloniser		5	0	5
	Not listed	5	0	5
NOT THREATENED		287	9	296
	Not listed	284	9	293
	Not Threatened	1	0	1
	Sparse	2	0	2
EVALUATED BY OTHER PANEL		8	0	8
	Data Deficient	1	0	1
	Nationally Critical	2	0	2
	Range Restricted	1	0	1
	Not listed	4	0	4
TOTAL		594	50	644

2. Conservation status of New Zealand freshwater invertebrates

The revised threat ranking for freshwater invertebrate taxa is provided in this section and replaces all previous NZTCS lists for freshwater invertebrates.

Taxa were assessed according to the criteria of Townsend et al. (2008). They have first been grouped by conservation status, then alphabetically by Phyla, then alphabetically by common name, then alphabetically by family and scientific name so that the large variety of invertebrates can be quickly located in the tables. Categories are ordered by degree of loss, with Extinct at the top of the list and Not Threatened at the bottom. The Data Deficient table is inserted between Extinct and Threatened categories. Although the true status of Data Deficient taxa will span the entire range of available categories, taxa are often included because they are very seldom collected, so many are likely to end up being considered threatened and some may even already be extinct. Therefore, the Data Deficient list is likely to include many of the most threatened species in New Zealand. The Non-resident Native categories (Migrant, Vagrant and Coloniser) are listed below the At Risk and above the Not Threatened categories.

See Townsend et al. (2008) for details of criteria and qualifiers, which are abbreviated as follows:

CD	Conservation Dependent
De	Designated
DP	Data Poor
EF	Extreme Fluctuations
EW	Extinct in the Wild
IE	Island Endemic
Inc	Increasing
OL	One Location
PD	Partial Decline
RF	Recruitment Failure
RR	Range Restricted
SO	Secure Overseas
Sp	Sparse
St	Stable
TO	Threatened Overseas

2.1 Taxonomically determinate

Extinct (0)

Taxa for which there is no reasonable doubt—following repeated surveys in known or expected habitats at appropriate times (diurnal, seasonal and annual) and throughout the taxon's historic range—that the last individual has died.

No freshwater invertebrate taxa were ranked as Extinct.

Data Deficient (145)

Taxa that are suspected but not definitely known to belong to any particular category due to a lack of information about their current distribution and abundance. It is hoped that listing such taxa will stimulate research to find out the true category or threat. For a fuller definition, see Townsend et al. (2008).

NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
Phylum Annelida			
<i>Scolecopides freemani</i> Mitchell & Edwards, 1988	Polychaete worm	Spionidae	
Phylum Arthropoda			
<i>Antiporus femoralis</i> (Boheman, 1858)	Beetle	Dytiscidae	
<i>Exocelina australis</i> (Clark, 1863)	Beetle	Dytiscidae	
<i>Hyphydrus (Apriophorus) elegans</i> (Montrouzier, 1860)	Beetle	Dytiscidae	
<i>Kuschelydrus phreaticus</i> Ordish, 1976	Beetle	Dytiscidae	RR
<i>Phreatodessus hades</i> Ordish, 1976	Beetle	Dytiscidae	RR
<i>Phreatodessus pluto</i> Ordish, 1991	Beetle	Dytiscidae	RR
<i>Hydora angusticollis</i> (Pascoe, 1877)	Beetle	Elmidae	
<i>Hydora lanigera</i> Broun, 1914	Beetle	Elmidae	
<i>Hydora nitida</i> Broun, 1885	Beetle	Elmidae	
<i>Hydora obsoleta</i> Broun, 1885	Beetle	Elmidae	
<i>Hydora picea</i> (Broun, 1881)	Beetle	Elmidae	
<i>Hydora subaenea</i> Broun, 1914	Beetle	Elmidae	
<i>Homalaena acuta</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Homalaena carinata</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Homalaena dilatata</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Homalaena dispersa</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Homalaena nelsonensis</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Homalaena setosa</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Homalaena spatulata</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Hydraena (Hydraena) ordishi</i> Delgado & Palma, 1997	Beetle	Hydraenidae	
<i>Hydraena (Hydraena) zealandica</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia bidentata</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia calcarata</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia ciliata</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia crassifemur</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia curvipes</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia dilatata</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia latispina</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia nunni</i> Delgado & Palma, 2000	Beetle	Hydraenidae	RR
<i>Orchymontia otagensis</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Orchymontia spinipennis</i> Broun, 1919	Beetle	Hydraenidae	
<i>Orchymontia vulgaris</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Podaena glabriventris</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Podaena mariae</i> Delgado & Palma, 2010	Beetle	Hydraenidae	
<i>Cylomissus glabratus</i> Broun, 1903	Beetle	Hydraenidae	
<i>Enochrus (Methydus) abditus</i> Sharp, 1884	Beetle	Hydraenidae	
<i>Laccobius (Platylaccobius) arrowi</i> d'Orchymont, 1925	Beetle	Hydraenidae	
<i>Limnoxenus zealandicus</i> (Broun, 1880)	Beetle	Hydraenidae	
<i>Olinga christinae</i> Ward & McKenzie, 1998	Caddisfly	Conoesucidae	
<i>Helicopsyche (Saetotricha) cuvieri</i> Johanson, 1999	Caddisfly	Helicopsychidae	IE, OL
<i>Helicopsyche (Saetotricha) haurapango</i> Johanson, 1999	Caddisfly	Helicopsychidae	
<i>Edpercivalia flintorum</i> Ward, 2005	Caddisfly	Hydrobiosidae	OL
<i>Erichorema basale</i> Ward, Leschen, Smith & Dean, 2004	Caddisfly	Hydrobiosidae	OL
<i>Hydrobiosis taumata</i> Ward, 1997	Caddisfly	Hydrobiosidae	RR
<i>Neurochorema pilosum</i> McFarlane, 1964	Caddisfly	Hydrobiosidae	
<i>Psilochorema folioharpax</i> McFarlane, 1956	Caddisfly	Hydrobiosidae	Sp
<i>Psilochorema spiniharpax</i> Ward, 1995	Caddisfly	Hydrobiosidae	OL

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Tiphobiosis kuscheli</i> Wise, 1972	Caddisfly	Hydrobiosidae	IE, OL
<i>Tiphobiosis quadrifurca</i> Ward, 1997	Caddisfly	Hydrobiosidae	OL
<i>Tiphobiosis salmoni</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	RR
<i>Tiphobiosis schmidi</i> Ward, 1998	Caddisfly	Hydrobiosidae	OL
<i>Oxyethira (Trichoglene) kirikiriroa</i> Smith, 2008	Caddisfly	Hydroptilidae	OL
<i>Oxyethira (Trichoglene) waipoua</i> Wise, 1998	Caddisfly	Hydroptilidae	RR, Sp
<i>Paroxyethira hughwilsoni</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	Sp
<i>Paroxyethira kimminsi</i> Leader, 1972	Caddisfly	Hydroptilidae	Sp
<i>Paroxyethira manapouri</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	OL
<i>Paroxyethira ramifera</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	RR, Sp
<i>Paroxyethira sarae</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	
<i>Paroxyethira zoeae</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	RR
<i>Xuthotrichia aotea</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	Sp
<i>Pseudoecoesus geraldinae</i> Ward, 1997	Caddisfly	Oeconesidae	OL
<i>Pseudoecoesus haasti</i> Ward, 1997	Caddisfly	Oeconesidae	OL
<i>Philorheithrus litoralis</i> Henderson & Ward, 2006	Caddisfly	Philorheithridae	RR
<i>Zephlebia tuberculata</i> Towns & Peters, 1996	Mayfly	Leptophlebiidae	
<i>Oniscigaster intermedius</i> Eaton, 1899	Mayfly	Oniscigastridae	
<i>Acroperla christinae</i> McLellan, 1998	Stonefly	Gripopterygidae	
<i>Vesicaperla eylesi</i> McLellan, 1977	Stonefly	Gripopterygidae	OL
<i>Vesicaperla kuscheli</i> McLellan, 1977	Stonefly	Gripopterygidae	OL
<i>Vesicaperla townsendi</i> McLellan, 1977	Stonefly	Gripopterygidae	OL
<i>Zelandobius auratus</i> McLellan, 1993	Stonefly	Gripopterygidae	RR
<i>Zelandobius brevicauda</i> McLellan, 1977	Stonefly	Gripopterygidae	RR
<i>Zelandobius dugdalei</i> McLellan, 1993	Stonefly	Gripopterygidae	RR, Sp
<i>Zelandobius edensis</i> Gray, 2009	Stonefly	Gripopterygidae	Sp
<i>Zelandobius inversus</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius jacksoni</i> McLellan, 1993	Stonefly	Gripopterygidae	RR
<i>Zelandobius macburneyi</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius montanus</i> McLellan, 1993	Stonefly	Gripopterygidae	RR
<i>Zelandobius ngaire</i> McLellan, 1993	Stonefly	Gripopterygidae	RR
<i>Zelandobius peglegensis</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius takahe</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius uniramus</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Notonemoura hendersoni</i> McLellan, 2000	Stonefly	Notonemouridae	RR
<i>Notonemoura spinosa</i> McLellan, 1991	Stonefly	Notonemouridae	OL
<i>Otehiwi sagittarius</i> McLellan, 2003	Stonefly	Notonemouridae	OL
<i>Spaniocerca hamishi</i> McLellan, 2000	Stonefly	Notonemouridae	RR
<i>Spaniocercoides jacksoni</i> McLellan, 1991	Stonefly	Notonemouridae	OL
<i>Spaniocercoides watti</i> McLellan, 1984	Stonefly	Notonemouridae	
Phylum Arthropoda, subphylum Crustacea			
<i>Allorchestes compressus</i> (Bousfield, 1964)	Amphipod	Hyalidae	
<i>Paracalliope karitane</i> Barnard, 1972	Amphipod	Paracalliopiidae	RR
<i>Paracrangonyx compactus</i> (Chilton, 1882)	Amphipod	Paracrangonyctidae	
<i>Paracrangonyx winterbourni</i> Fenwick, 2001	Amphipod	Paracrangonyctidae	
<i>Paraleptamphopus caeruleus</i> (Thomson, 1885)	Amphipod	Paraleptamphopidae	
<i>Paraleptamphopus subterraneus</i> (Chilton, 1882)	Amphipod	Paraleptamphopidae	
<i>Ringanui koonuiroa</i> Fenwick, 2006	Amphipod	Paraleptamphopidae	
<i>Ringanui toonuiiti</i> Fenwick, 2006	Amphipod	Paraleptamphopidae	
<i>Phreatogammarus fragilis</i> (Chilton, 1882)	Amphipod	Phreatogammaridae	
<i>Phreatogammarus waipoua</i> Chapman, 2003	Amphipod	Phreatogammaridae	RR, Sp

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Austridotea annectens</i> Nicholls, 1938	Isopod	Idoteidae	
<i>Neophreatoicus assimilis</i> (Chilton, 1894)	Isopod	Phreatoicidae	
<i>Phreatoicus orarii</i> Nicholls, 1944	Isopod	Phreatoicidae	
<i>Phreatoicus typicus</i> Chilton, 1883	Isopod	Phreatoicidae	
<i>Makarasphaera amnicosa</i> Bruce, 2005	Isopod	Sphaeromatidae	Sp
Phylum Mollusca			
<i>Latia lateralis</i> (Gould, 1852)	Limpet	Latiidae	
<i>Austropeplea tomentosa</i> (Pfeiffer, 1855)	Snail	Lymnaeidae	
<i>Glyptophysa variabilis</i> (Gray, 1843)	Snail	Planorbidae	PD
<i>Gyraulus kahuica</i> (Finlay & Laws, 1931)	Snail	Planorbidae	
<i>Hadopyrgus anops</i> Climo, 1974	Snail	Tateidae	RR
<i>Hadopyrgus brevis</i> Climo, 1974	Snail	Tateidae	RR
<i>Hadopyrgus dubius</i> Haase, 2008	Snail	Tateidae	OL
<i>Kuschelita inflata</i> (Climo, 1974)	Snail	Tateidae	OL
<i>Kuschelita mica</i> Climo, 1974	Snail	Tateidae	OL, RR
<i>Leptopyrgus melbourni</i> Haase, 2008	Snail	Tateidae	RR
<i>Meridiopyrgus inanga</i> Haase, 2008	Snail	Tateidae	OL
<i>Meridiopyrgus murihiku</i> Haase, 2008	Snail	Tateidae	Sp
<i>Meridiopyrgus pupiformis</i> Haase, 2008	Snail	Tateidae	OL
<i>Obtusopyrgus alpinus</i> Haase, 2008	Snail	Tateidae	Sp
<i>Opacuincola abradeta</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola conosimilis</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola favus</i> Haase, 2008	Snail	Tateidae	RR
<i>Opacuincola fruticis</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola geometrica</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola ignorata</i> Haase, 2008	Snail	Tateidae	RR
<i>Opacuincola johanstrausi</i> Haase, 2008	Snail	Tateidae	RR
<i>Opacuincola josefstrausi</i> Haase, 2008	Snail	Tateidae	RR
<i>Opacuincola kuscheli</i> Climo, 1974	Snail	Tateidae	RR
<i>Opacuincola lentesferens</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola mete</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola ngatapuna</i> Haase, 2008	Snail	Tateidae	RR
<i>Opacuincola ovata</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola permutata</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola piriformis</i> Haase, 2008	Snail	Tateidae	OL
<i>Opacuincola roscoei</i> Haase, 2008	Snail	Tateidae	RR
<i>Opacuincola takakaensis</i> Haase, 2008	Snail	Tateidae	OL, RR
<i>Opacuincola terraelapsus</i> Haase, 2008	Snail	Tateidae	RR
<i>Opacuincola turiformis</i> Haase, 2008	Snail	Tateidae	RR
<i>Platypyrgus nelsonensis</i> (Climo, 1977)	Snail	Tateidae	RR
<i>Potamopyrgus kaitunuparaoa</i> Haase, 2008	Snail	Tateidae	RR
<i>Rakiurapyrgus micula</i> Haase, 2008	Snail	Tateidae	OL
<i>Tongapyrgus kohitaea</i> Haase, 2008	Snail	Tateidae	Sp
<i>Tongapyrgus subterraneus</i> (Suter, 1905)	Snail	Tateidae	
Phylum Nematoda			
<i>Miconchus rex</i> (Cobb, 1904) Andrassy, 1958	Nematode	Anatonchidae	
Phylum Platyhelminthes			
<i>Chonostomum crenulatum</i> Schmarida, 1859	Flatworm	Dalyellidae	
<i>Spathula fontinalis</i> Nurse, 1950	Flatworm	Dalyellidae	RR
<i>Spathula limicola</i> Nurse, 1950	Flatworm	Dalyellidae	

Threatened (66)

Taxa that meet the criteria specified by Townsend et al. (2008) for the categories Nationally Critical, Nationally Endangered and Nationally Vulnerable.

Nationally Critical (42)

Criteria for Nationally Critical:

A—very small population (natural or unnatural)

A(1) <250 mature individuals, regardless of cause

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

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

B—small population (natural or unnatural) with a high ongoing or predicted decline

B(1/1) 250–1000 mature individuals, predicted decline 50–70%

B(2/1) ≤5 subpopulations, ≤300 mature individuals in the largest subpopulation, predicted decline 50–70%

B(3/1) Total area of occupancy ≤10 ha (0.1 km²), predicted decline 50–70%

C—population (irrespective of size or number of sub-populations) with a very high ongoing or predicted decline (>70%).

C Predicted decline >70%

NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
Phylum Arthropoda				
<i>Edpercivalia dugdalei</i> Ward, 1998	Caddisfly	Hydrobiosidae	A(1)	DP, RR
<i>Edpercivalia smithi</i> Ward, 2005	Caddisfly	Hydrobiosidae	A(1)	OL
<i>Tiphobiosis childella</i> Ward, 1995	Caddisfly	Hydrobiosidae	A(1)	OL, RR
<i>Tiphobiosis hinewai</i> Ward, 1995	Caddisfly	Hydrobiosidae	A(1)	OL, RR
<i>Oeconesus angustus</i> Ward, 1997	Caddisfly	Oeconesidae	A(3)	DP, OL
<i>Hydrobiosella aorere</i> Henderson, 1983	Caddisfly	Philopotamidae	A(2)	DP, RR, Sp
<i>Xanthocnemis sinclairi</i> Rowe, 1987	Damselfly	Coenagrionidae	A(2)	DP, OL
<i>Aupouriella pohei</i> Winterbourn, 2009	Mayfly	Leptophlebiidae	A(3)	OL
<i>Apteryoperla lakiula</i> McLellan, 2003	Stonefly	Gripopterygidae	A(3)	DP, OL
<i>Apteryoperla monticola</i> Wisely, 1953	Stonefly	Gripopterygidae	A(3)	DP, OL
<i>Apteryoperla nancyae</i> McLellan, 1977	Stonefly	Gripopterygidae	A(3)	DP, OL
<i>Apteryoperla ramsayi</i> McLellan, 1977	Stonefly	Gripopterygidae	A(3)	DP, OL
<i>Nesoperla johnsi</i> McLellan, 1977	Stonefly	Gripopterygidae	A(3)	IE, OL
<i>Nesoperla patricki</i> McLellan, 2003	Stonefly	Gripopterygidae	A(3)	DP, RR
<i>Taraperla johnsi</i> McLellan, 2003	Stonefly	Gripopterygidae	A(3)	DP, RR
<i>Vesicaperla dugdalei</i> McLellan, 1977	Stonefly	Gripopterygidae	A(3)	DP, RR
<i>Vesicaperla substirpes</i> McLellan, 1967	Stonefly	Gripopterygidae	A(3)	DP, RR
<i>Vesicaperla trilinea</i> McLellan, 2003	Stonefly	Gripopterygidae	A(3)	DP, OL
<i>Zelandobius crawfordi</i> McLellan, 2008	Stonefly	Gripopterygidae	A(3)	DP, OL
<i>Zelandobius edwardsi</i> McLellan, 2008	Stonefly	Gripopterygidae	A(3)	DP, RR
<i>Zelandobius mariae</i> McLellan, 1993	Stonefly	Gripopterygidae	A(2)	DP, RR
<i>Omanuperla hollowayae</i> McLellan, 1991	Stonefly	Notonemouridae	A(2)	RR, DP
Phylum Arthropoda, subphylum Crustacea				
<i>Chiltonia rivertonensis</i> Hurley, 1954	Amphipod	Ceinidae	A(3)	DP, RR
<i>Eulimnadia marplei</i> Timms & McLay, 2005	Clam shrimp	Limnadiidae	A(3)	OL
<i>Bilistra millari</i> Sket & Bruce, 2003	Isopod	Sphaeromatidae	A(3)	DP, RR
Phylum Mollusca				
<i>Catapyrgus sororius</i> Haase, 2008	Snail	Tateidae	A(3)	OL, DP

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NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
<i>Hadopyrgus ngataana</i> Haase, 2008	Snail	Tateidae	A(3)	OL
<i>Hadopyrgus rawhiti</i> Haase, 2008	Snail	Tateidae	A(3)	OL
<i>Leptopyrgus manningi</i> (Climo, 1974)	Snail	Tateidae	A(3)	DP, RR
<i>Opacuincola caeca</i> Ponder, 1966	Snail	Tateidae	A(3)	DP, OL
<i>Opacuincola cervicemadentes</i> Haase, 2008	Snail	Tateidae	A(3)	DP, OL
<i>Opacuincola dulcinella</i> Haase, 2008	Snail	Tateidae	A(3)	DP, OL
<i>Opacuincola eduardstraussi</i> Haase, 2008	Snail	Tateidae	A(3)	DP, OL
<i>Potamopyrgus acus</i> Haase, 2008	Snail	Tateidae	A(3)	OL
<i>Potamopyrgus dawbini</i> Powell, 1955	Snail	Tateidae	A(3)	IE, OL
<i>Potamopyrgus doci</i> Haase, 2008	Snail	Tateidae	A(3)	OL
<i>Potamopyrgus oppidanus</i> Haase, 2008	Snail	Tateidae	A(3)	OL
<i>Potamopyrgus troglodytes</i> (Climo, 1974)	Snail	Tateidae	A(3)	RR
<i>Sororipyrgus marshalli</i> Haase, 2008	Snail	Tateidae	A(3)	DP, OL
Phylum Platyhelminthes				
<i>Cura fortis</i> Sluys & Kawakatsu, 2001	Flatworm	Dugesidae	A(3)	DP, OL
<i>Spathula alba</i> Allison, 1997	Flatworm	Dugesidae	A(3)	DP, OL
<i>Spathula neara</i> Ball, 1977	Flatworm	Dugesidae	A(3)	DP, OL

Nationally Endangered (9)

Criteria for Nationally Endangered:

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

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

A(2/1) ≤5 subpopulations, ≤300 mature individuals in the largest subpopulation, predicted decline 10–50%

A(3/1) Total area of occupancy ≤10 ha (0.1 km²), predicted decline 10–50%

B—small stable population (unnatural)

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

B(2/1) ≤5 subpopulations, ≤300 mature individuals in the largest subpopulation, stable population

B(3/1) Total area of occupancy ≤10 ha (0.1 km²), stable population

C—moderate population and high ongoing or predicted decline.

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

C(2/1) ≤15 subpopulations, ≤500 mature individuals in the largest subpopulation, predicted decline 50–70%

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

NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
Phylum Arthropoda				
<i>Orchymontia banksiana</i> Ordish, 1984	Beetle	Hydraenidae	A(3/1)	RR
<i>Olinga fumosa</i> Wise, 1958	Caddisfly	Conoesucidae	B(2/1)	DP, Sp
<i>Edpercivalia banksiensis</i> (McFarlane, 1939)	Caddisfly	Hydrobiosidae	B(3/1)	RR, Sp
<i>Pseudoeconesus paludis</i> Ward, 1997	Caddisfly	Oeconesidae	B(2/1)	RR, Sp
<i>Cryptobiosella furcata</i> Henderson, 1983	Caddisfly	Philopotamidae	B(2/1)	DP, RR, Sp
<i>Cryptobiosella spinosa</i> Henderson, 1983	Caddisfly	Philopotamidae	B(2/1)	DP, RR, Sp

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NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
<i>Neobiosella irrorata</i> Wise, 1958	Caddisfly	Philopotamidae	B(2/1)	DP, RR, Sp
<i>Deleatidium (Penniketellum) insolitum</i> (Towns & Peters, 1979b)	Mayfly	Leptophlebiidae	B(2/1)	DP, Sp
Phylum Mollusca				
<i>Hadopyrgus expositus</i> Haase, 2008	Snail	Tateidae	A(3)	RR, DP

Nationally Vulnerable (15)

Criteria for Nationally Vulnerable:

A—small, increasing population (unnatural)

A(1/1) 250–1000 mature individuals, predicted increase >10%

A(2/1) ≤5 subpopulations, ≤300 mature individuals in the largest subpopulation, predicted increase >10%

A(3/1) Total area of occupancy ≤10 ha (0.1 km²), predicted increase >10%

B—moderate, stable population (unnatural)

B(1/1) 1000–5000 mature individuals, stable population

B(2/1) ≤15 subpopulations, ≤500 mature individuals in the largest subpopulation, stable population

B(3/1) Total area of occupancy ≤100 ha (1 km²), stable population

C—moderate population, with population trend that is declining

C(1/1) 1000–5000 mature individuals, predicted decline 10–50%

C(2/1) ≤15 subpopulations, ≤500 mature individuals in the largest subpopulation, predicted decline 10–50%

C(3/1) Total area of occupancy ≤100 ha (1 km²), predicted decline 10–50%

D—moderate to large population, and moderate to high ongoing or predicted decline.

D(1/1) 5000–20 000 mature individuals, predicted decline 30–70%

D(2/1) ≤15 subpopulations and ≤1000 mature individuals in the largest subpopulation, predicted decline 30–70%

D(3/1) Total area of occupancy ≤1000 ha (10 km²), predicted decline 30–70%

E—large population, and high ongoing or predicted decline.

E(1/1) 20 000–100 000 mature individuals, predicted decline 50–70%

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

NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
Phylum Arthropoda				
<i>Pycnocentria mordax</i> Ward, 1997	Caddisfly	Conoesucidae	B(2/1)	
<i>Alloecentrella cirratus</i> Henderson & Ward, 2007	Caddisfly	Helicophidae	B(2/1)	
<i>Helicopsyche (Saetotricha) torino</i> Johanson, 1999	Caddisfly	Helicopsychidae	B(2/1)	Sp
<i>Atrachorema mangu</i> McFarlane, 1964	Caddisfly	Hydrobiosidae	B(2/1)	Sp
<i>Costachorema peninsulae</i> Ward, 1995	Caddisfly	Hydrobiosidae	B(2/1)	RR
<i>Edpercivalia borealis</i> (McFarlane, 1951b)	Caddisfly	Hydrobiosidae	B(2/1)	DP
<i>Edpercivalia tahatika</i> Ward, 2005	Caddisfly	Hydrobiosidae	C(2/1)	DP
<i>Hydrobiosis styx</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	B(2/1)	RR, Sp

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NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
<i>Tiphobiosis kleinpastei</i> Ward, 1998	Caddisfly	Hydrobiosidae	B(2/1)	RR
<i>Cryptobiosella tridens</i> Henderson, 1983	Caddisfly	Philopotamidae	B(2/1)	
<i>Xenobiosella motueka</i> Henderson, 1983	Caddisfly	Philopotamidae	B(2/1)	Sp
<i>Nesameletus vulcanus</i> Hitchings & Staniczek, 2003	Mayfly	Nesameletidae	B(2/1)	
<i>Siphlaenigma janae</i> Penniket, 1962	Mayfly	Siphlaenigmatidae	C(2/1)	Sp
Phylum Mollusca				
<i>Echyridella aucklandica</i> (Gray, 1843)	Hyriidae	Mussel	C(2/1)	RF, Sp
<i>Paxillostium nanum</i> Gardner, 1970	Tateidae	Snail	C(3/1)	DP, RR

At Risk (82)

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

Declining (8)

Taxa that do not qualify as ‘Threatened’ because they are buffered by large population size and/or a slower rate of decline than the trigger points.

Criteria for Declining:

A—moderate to large population and low ongoing or predicted decline

A(1/1) 5000–20 000 mature individuals, predicted decline 10–30%

A(2/1) Total area of occupancy ≤1000 ha (10 km²), predicted decline 10–30%

B—large population and low to moderate ongoing or predicted decline

B(1/1) 20 000–100 000 mature individuals, predicted decline 10–50%

B(2/1) Total area of occupancy ≤10 000 ha (100 km²), predicted decline 10–50%

C—very large population and low to high ongoing or predicted decline.

C(1/1) >100 000 mature individuals, predicted decline 10–70%

C(2/1) Total area of occupancy >10 000 ha (100 km²), predicted decline 10–70%

NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
Phylum Arthropoda				
<i>Kokiria miharo</i> McFarlane, 1964	Caddisfly	Kokiriidae	A(2/1)	RR, Sp
<i>Austronella planulata</i> (Townsend, 1983)	Mayfly	Leptophlebiidae	A(2/1)	DP, RR
<i>Isothraululus abditus</i> Townsend & Peters, 1979	Mayfly	Leptophlebiidae	A(2/1)	DP, RR
<i>Oniscigaster wakefieldi</i> McLachlan, 1873	Mayfly	Oniscigastriidae	A(2/1)	DP, RR
Phylum Arthropoda, subphylum Crustacea				
<i>Paranephrops zealandicus</i> (White, 1847)	Crayfish/koura	Parastacidae	C(1/1)	PD
<i>Daphnia carinata</i> King, 1852	Waterflea	Daphniidae	C(1/1)	
Phylum Mollusca				
<i>Echyridella menziesii</i> (Dieffenbach, 1843)	Mussel	Hyriidae	C(2/1)	
Phylum Platyhelminthes				
<i>Porhynchus haswelli</i> Steinboeck & Reisinger, 1924	Flatworm	Prorhynchidae	A(2/1)	DP, OL

Recovering (o)

Taxa that have undergone a documented decline within the last 1000 years and now have an ongoing or predicted increase of >10% in the total population or area of occupancy, taken over the next 10 years or three generations, whichever is longer. Note that such taxa that are increasing but have a population size of <1000 mature individuals (or total area of occupancy of <10 ha) are listed in one of the Threatened categories, depending on their population size (for more details see Townsend et al. (2008)).

Criteria for Recovering:

- A 1000–5000 mature individuals or total area of occupancy \leq 100 ha (1 km²), and predicted increase >10%
- B 5000–20 000 mature individuals or total area of occupancy \leq 1000 ha (10 km²), and predicted increase >10%

No freshwater invertebrate taxa were ranked as Recovering.

Relict (o)

Taxa that have undergone a documented decline within the last 1000 years, and now occupy <10% of their former range and meet one of the following criteria:

Criteria for Relict:

- A 5000–20 000 mature individuals; population stable (\pm 10%)
- B >20 000 mature individuals; population stable or increasing at >10%. The range of a relictual taxon takes into account the area currently occupied as a ratio of its former extent. Relict can also include taxa that exist as reintroduced and self-sustaining populations within or outside their former known range (for more details see Townsend et al. (2008)).

No freshwater invertebrate taxa were ranked as Relict.

Naturally Uncommon (74)

Taxa whose distribution is confined to a specific geographic area or which occur within naturally small and widely scattered populations where this distribution is not the result of human disturbance.

NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
Phylum Arthropoda			
<i>Podaena aotea</i> Delgado & Palma, 2010	Beetle	Hydraenidae	IE
<i>Podaena hauturu</i> Delgado & Palma, 2010	Beetle	Hydraenidae	IE
<i>Podaena kuscheli</i> Ordish, 1984	Beetle	Hydraenidae	RR
<i>Podaena moanaiti</i> Delgado & Palma, 2010	Beetle	Hydraenidae	RR
<i>Chathamia brevipennis</i> Tillyard, 1925	Caddisfly	Chathamidae	IE, RR
<i>Philanisus fasciatus</i> Riek, 1976	Caddisfly	Chathamidae	IE, RR
<i>Philanisus mataua</i> Ward, 1995	Caddisfly	Chathamidae	
<i>Pycnocentria patricki</i> Ward, 1995	Caddisfly	Conoesucidae	RR
<i>Ecnomina zealandica</i> Wise, 1958	Caddisfly	Ecnomidae	Sp
<i>Alloecentrella incisus</i> Henderson & Ward, 2007	Caddisfly	Helicophidae	RR
<i>Costachorema brachypterum</i> McFarlane, 1939	Caddisfly	Hydrobiosidae	RR
<i>Costachorema hebdomon</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	Sp
<i>Costachorema notopterum</i> Wise, 1972	Caddisfly	Hydrobiosidae	IE, RR
<i>Edpercivalia harrisoni</i> Wise, 1982	Caddisfly	Hydrobiosidae	DP, Sp
<i>Edpercivalia morrisoni</i> Ward, 1998	Caddisfly	Hydrobiosidae	RR
<i>Edpercivalia oriens</i> Ward, 1997	Caddisfly	Hydrobiosidae	RR, Sp

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Hydrobiosis falcis</i> Wise, 1958	Caddisfly	Hydrobiosidae	RR
<i>Hydrobiosis lindsayi</i> Tillyard, 1925	Caddisfly	Hydrobiosidae	IE, RR
<i>Hydrochorema lyfordi</i> Ward, 1997	Caddisfly	Hydrobiosidae	DP, RR
<i>Tiphobiosis cataractae</i> Ward, 1995	Caddisfly	Hydrobiosidae	
<i>Tiphobiosis trifurca</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	RR, Sp
<i>Trillochorema rakiura</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	IE, RR
<i>Trillochorema wardorum</i> Henderson, 2008	Caddisfly	Hydrobiosidae	RR
<i>Oxyethira (Trichoglene) ahipara</i> Wise, 1998	Caddisfly	Hydroptilidae	RR, Sp
<i>Paroxyethira hintoni</i> Leader, 1972	Caddisfly	Hydroptilidae	Sp
<i>Paroxyethira pounamu</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	Sp
<i>Paroxyethira takitimu</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	Sp
<i>Oecetis chathamensis</i> Tillyard, 1925	Caddisfly	Leptoceridae	IE, RR
<i>Oecetis iti</i> McFarlane, 1964	Caddisfly	Leptoceridae	Sp
<i>Pseudoecoesus hendersoni</i> Ward, 1997	Caddisfly	Oeconesidae	
<i>Cryptobiosella hastata</i> Henderson, 1983	Caddisfly	Philopotamidae	Sp
<i>Philorheithrus harunae</i> Henderson & Ward, 2006	Caddisfly	Philorheithridae	RR
<i>Philorheithrus latentis</i> Henderson & Ward, 2006	Caddisfly	Philorheithridae	RR, Sp
<i>Antipodochlora braueri</i> (Selys, 1871)	Dragonfly	Corduliidae	Sp
<i>Cryophlebia aucklandensis</i> (Peters, 1971)	Mayfly	Leptophlebiidae	IE, RR
<i>Deleatidium (Deleatidium) branchiola</i> Hitchings, 2009	Mayfly	Leptophlebiidae	DP, RR
<i>Deleatidium (Deleatidium) kiwa</i> Hitchings, 2010	Mayfly	Leptophlebiidae	DP, RR
<i>Deleatidium (Deleatidium) magnum</i> Towns & Peters, 1996	Mayfly	Leptophlebiidae	DP, RR
<i>Maiulus aquilus</i> Towns & Peters, 1996	Mayfly	Leptophlebiidae	Sp
<i>Zephlebia nebulosa</i> Towns & Peters, 1996	Mayfly	Leptophlebiidae	DP, RR
<i>Nesameletus murihiku</i> Hitchings & Staniczek, 2003	Mayfly	Nesameletidae	DP, RR
<i>Stenoperla helsoni</i> McLellan, 1996	Stonefly	Eustheniidae	RR
<i>Apteryoperla illiesi</i> McLellan, 1977	Stonefly	Gripopterygidae	DP, RR
<i>Apteryoperla tillyardi</i> McLellan, 1977	Stonefly	Gripopterygidae	DP, RR
<i>Aucklandobius complementarius</i> Enderlein, 1909	Stonefly	Gripopterygidae	IE, RR
<i>Aucklandobius gressitti</i> Illies, 1974	Stonefly	Gripopterygidae	IE, RR
<i>Aucklandobius kuscheli</i> (Illies, 1974)	Stonefly	Gripopterygidae	DP, IE, OL
<i>Aucklandobius turbotti</i> (Illies, 1963)	Stonefly	Gripopterygidae	IE, RR
<i>Megaleptoperla grandis</i> (Hudson, 1913)	Stonefly	Gripopterygidae	Sp
<i>Rakiuraperla nudipes</i> McLellan, 1977	Stonefly	Gripopterygidae	DP, IE, RR
<i>Rungaperla campbelli</i> (Illies, 1963)	Stonefly	Gripopterygidae	DP, IE, OL
<i>Rungaperla longicauda</i> (Illies, 1963)	Stonefly	Gripopterygidae	DP, IE, RR
<i>Vesicaperla celmisia</i> McLellan, 2003	Stonefly	Gripopterygidae	DP, RR
<i>Zelandobius wardi</i> McLellan, 1993	Stonefly	Gripopterygidae	RR, Sp
Phylum Arthropoda, subphylum Crustacea			
<i>Chiltonia enderbyensis</i> Hurley, 1954	Amphipod	Ceinidae	RR
<i>Chiltonia mihiwaka</i> (Chilton, 1898)	Amphipod	Ceinidae	DP
<i>Phreatogammarus propinquus</i> Chilton, 1907	Amphipod	Phreatogammaridae	RR, Sp
<i>Amarinus lacustris</i> (Chilton, 1882)	Crab	Hymenosomatidae	SO, Sp
<i>Austridotea benhami</i> Nicholls, 1938	Isopod	Idoteidae	DP, RR
<i>Bilistra mollicopulans</i> Sket & Bruce, 2003	Isopod	Sphaeromatidae	OL
<i>Bilistra cavernicola</i> Sket & Bruce, 2003	Isopod	Sphaeromatidae	RR
<i>Lepidurus apus viridus</i> (Baird, 1850)	Tadpole shrimp	Triopsidae	RR, SO, Sp
Phylum Mollusca			
<i>Echyridella onekaka</i> Fenwick & Marshall, 2006	Mussel	Hyriidae	DP, RR

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Catapyrgus fraterculus</i> Haase, 2008	Snail	Tateidae	RR
<i>Catapyrgus matapango</i> Haase, 2008	Snail	Tateidae	RR
<i>Catapyrgus spelaeus</i> Climo, 1974	Snail	Tateidae	RR
<i>Leptopyrgus tainui</i> Haase, 2008	Snail	Tateidae	RR
<i>Meridiopyrgus muaupoko</i> Haase, 2008	Snail	Tateidae	Sp
<i>Opacuincola delira</i> Haase, 2008	Snail	Tateidae	RR
<i>Rakiurapyrgus cresswelli</i> (Climo, 1974)	Snail	Tateidae	RR
<i>Rakipyrgus gardneri</i> (Climo, 1974)	Snail	Tateidae	RR
<i>Sororipyrgus kutukutu</i> Haase, 2008	Snail	Tateidae	RR
<i>Sororipyrgus raki</i> Haase, 2008	Snail	Tateidae	RR
Phylum Annelida			
<i>Namanereis tiriteae</i> (Winterbourn, 1969)	Polychaete worm	Nereididae	RR, SO

Non-resident Native (6)

Taxa that periodically and cyclically visit New Zealand as part of their normal life cycle but do not breed here (Migrant) or taxa whose natural presence in New Zealand is either sporadic or temporary (Vagrant) or taxa that have succeeded in recently (< 50 years) establishing themselves beyond their point of introduction (Coloniser).

Migrant (0)

No freshwater invertebrate taxa were ranked as Migrant.

Vagrant (1)

Taxa whose occurrences, though natural, are sporadic and typically transitory.

NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS	IUCN STATUS
Phylum Arthropoda				
<i>Pantala flavescens</i> (Fabricius, 1798)	Dragonfly	Libellulidae		Least concern

Coloniser (5)

Taxa that otherwise meet the criteria for Threatened categories because of small population size, but have arrived in New Zealand without direct or indirect help from humans and have been successfully reproducing in the wild only since 1950.

NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS	IUCN STATUS
Phylum Arthropoda				
<i>Ischnura aurora</i> (Brauer, 1865)	Damselfly	Coenagrionidae		Least concern
<i>Hemianax papuensis</i> (Burmeister, 1839)	Dragonfly	Aeshnidae		Least concern
<i>Hemicordulia australiae</i> Rambur, 1842	Dragonfly	Corduliidae		Least concern
<i>Tramea loewii</i> Kaup in Brauer, 1866	Dragonfly	Libellulidae	RR	Least concern
<i>Tramea transmarina</i> Brauer, 1867	Dragonfly	Libellulidae		Least concern

Not Threatened (287)

Resident native taxa that have large stable populations.

NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
Phylum Arthropoda			
<i>Antiporus uncifer</i> Sharp, 1882	Beetle	Dytiscidae	
<i>Huxelhydrus syntheticus</i> Sharp, 1882	Beetle	Dytiscidae	
<i>Lancetes lanceolatus</i> (Clark, 1863)	Beetle	Dytiscidae	
<i>Liodessus deflectus</i> Ordish, 1966	Beetle	Dytiscidae	
<i>Liodessus plicatus</i> (Sharp, 1882)	Beetle	Dytiscidae	
<i>Onychohydrus hookeri</i> (White, 1846)	Beetle	Dytiscidae	
<i>Rhantus suturalis</i> (Macleay, 1825)	Beetle	Dytiscidae	
<i>Podaena dentipalpis</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Podaena latipalpis</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Podaena maclellani</i> (Zwick, 1975)	Beetle	Hydraenidae	
<i>Podaena obscura</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Podaena trochanteralis</i> Ordish, 1984	Beetle	Hydraenidae	
<i>Berosus (Phelerosus) pallidipennis</i> (Sharp, 1884)	Beetle	Hydrophilidae	
<i>Enochrus (Methydus) maculiceps</i> (MacLeay, 1871)	Beetle	Hydrophilidae	
<i>Paracymus pygmaeus</i> (Macleay, 1871)	Beetle	Hydrophilidae	
<i>Pycnocentrella eruensis</i> Mosely, 1953	Caddisfly	Calocidae	
<i>Chathamia integripennis</i> Riek, 1976	Caddisfly	Chathamidae	
<i>Philanisus plebeius</i> Walker, 1852	Caddisfly	Chathamidae	SO
<i>Beraeoptera roria</i> Mosely, 1953	Caddisfly	Conoesucidae	
<i>Confluens hamiltoni</i> (Tillyard, 1924)	Caddisfly	Conoesucidae	
<i>Confluens olingoides</i> (Tillyard, 1924)	Caddisfly	Conoesucidae	
<i>Olinga feredayi</i> (McLachlan, 1868)	Caddisfly	Conoesucidae	
<i>Olinga jeanae</i> McFarlane, 1966	Caddisfly	Conoesucidae	
<i>Periwinkla childi</i> McFarlane, 1973	Caddisfly	Conoesucidae	
<i>Pycnocentria evecta</i> McLachlan, 1868	Caddisfly	Conoesucidae	
<i>Pycnocentria forcipata</i> Mosely, 1953	Caddisfly	Conoesucidae	
<i>Pycnocentria funerea</i> McLachlan, 1866	Caddisfly	Conoesucidae	
<i>Pycnocentria gunni</i> (McFarlane, 1956)	Caddisfly	Conoesucidae	
<i>Pycnocentria hawdonia</i> McFarlane, 1956	Caddisfly	Conoesucidae	
<i>Pycnocentria sylvestris</i> McFarlane, 1973	Caddisfly	Conoesucidae	
<i>Pycnocentroides aeris</i> Wise, 1958	Caddisfly	Conoesucidae	
<i>Pycnocentroides aureolus</i> (McLachlan, 1868)	Caddisfly	Conoesucidae	
<i>Zelandoptila moselyi</i> Tillyard, 1924	Caddisfly	Ecnomidae	
<i>Alloecentrella linearis</i> Henderson & Ward, 2007	Caddisfly	Helicophidae	
<i>Alloecentrella magnicornis</i> Wise, 1958	Caddisfly	Helicophidae	
<i>Zelolessica cheira</i> McFarlane, 1956	Caddisfly	Helicophidae	
<i>Zelolessica meizon</i> McFarlane, 1981	Caddisfly	Helicophidae	
<i>Helicopsyche (Saetotricha) albescens</i> Tillyard, 1924	Caddisfly	Helicopsychidae	
<i>Helicopsyche (Saetotricha) howesi</i> Tillyard, 1924	Caddisfly	Helicopsychidae	
<i>Helicopsyche (Saetotricha) poutini</i> McFarlane, 1964	Caddisfly	Helicopsychidae	
<i>Helicopsyche (Saetotricha) zealandica</i> Hudson, 1904	Caddisfly	Helicopsychidae	
<i>Rakiura vernale</i> McFarlane, 1973	Caddisfly	Helicopsychidae	
<i>Atrachorema macfarlanei</i> Ward, 1991	Caddisfly	Hydrobiosidae	
<i>Atrachorema tuarua</i> McFarlane, 1966	Caddisfly	Hydrobiosidae	
<i>Costachorema callistum</i> McFarlane, 1939	Caddisfly	Hydrobiosidae	
<i>Costachorema heceton</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Costachorema psaropteron</i> McFarlane, 1939	Caddisfly	Hydrobiosidae	
<i>Costachorema xanthopteron</i> McFarlane, 1939	Caddisfly	Hydrobiosidae	
<i>Edpercivalia cassicola</i> (McFarlane, 1939)	Caddisfly	Hydrobiosidae	
<i>Edpercivalia fusca</i> (McFarlane, 1939)	Caddisfly	Hydrobiosidae	
<i>Edpercivalia maxima</i> (McFarlane, 1939)	Caddisfly	Hydrobiosidae	
<i>Edpercivalia schistaria</i> Ward, 2005	Caddisfly	Hydrobiosidae	
<i>Edpercivalia shandi</i> (McFarlane, 1951b)	Caddisfly	Hydrobiosidae	
<i>Edpercivalia spaini</i> McFarlane, 1973	Caddisfly	Hydrobiosidae	
<i>Edpercivalia thomasoni</i> (McFarlane, 1960)	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis budgei</i> McFarlane, 1960	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis centralis</i> Ward, 1997	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis chalcodes</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis charadraea</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis clavigera</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis copis</i> McFarlane, 1960	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis frater</i> McLachlan, 1868	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis gollanis</i> Mosely, 1953	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis harpidiosa</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis johnsi</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis kiddi</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis neadelphus</i> Ward, 1997	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis parumbripennis</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis sherleyi</i> Ward, 1998	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis silvicola</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis soror</i> Mosely, 1953	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis spatulata</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis styracine</i> McFarlane, 1960	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis torrentis</i> Ward, 1995	Caddisfly	Hydrobiosidae	
<i>Hydrobiosis umbripennis</i> McLachlan, 1868	Caddisfly	Hydrobiosidae	
<i>Hydrochorema crassicaudatum</i> Tillyard, 1924	Caddisfly	Hydrobiosidae	
<i>Hydrochorema tenuicaudatum</i> Tillyard, 1924	Caddisfly	Hydrobiosidae	
<i>Neurochorema armstrongi</i> McFarlane, 1951a	Caddisfly	Hydrobiosidae	
<i>Neurochorema confusum</i> (McLachlan, 1868)	Caddisfly	Hydrobiosidae	
<i>Neurochorema forsteri</i> McFarlane, 1964	Caddisfly	Hydrobiosidae	
<i>Psilochorema acheir</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	
<i>Psilochorema bidens</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Psilochorema cheirodes</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	
<i>Psilochorema donaldsoni</i> McFarlane, 1960	Caddisfly	Hydrobiosidae	
<i>Psilochorema embersoni</i> Wise, 1982	Caddisfly	Hydrobiosidae	
<i>Psilochorema leptoharpax</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Psilochorema macroharpax</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Psilochorema mataura</i> McFarlane, 1956	Caddisfly	Hydrobiosidae	
<i>Psilochorema mimicum</i> McLachlan, 1866	Caddisfly	Hydrobiosidae	
<i>Psilochorema nemorale</i> McFarlane, 1951b	Caddisfly	Hydrobiosidae	
<i>Psilochorema tautoru</i> McFarlane, 1964	Caddisfly	Hydrobiosidae	
<i>Psilochorema vomerharpax</i> McFarlane, 1964	Caddisfly	Hydrobiosidae	
<i>Synchorema tillyardi</i> McFarlane, 1964	Caddisfly	Hydrobiosidae	
<i>Synchorema zygoneurum</i> Tillyard, 1924	Caddisfly	Hydrobiosidae	
<i>Tiphobiosis childi</i> McFarlane, 1981	Caddisfly	Hydrobiosidae	Sp
<i>Tiphobiosis cowiei</i> Ward, 1991	Caddisfly	Hydrobiosidae	

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Tiphobiosis intermedia</i> Mosely, 1953	Caddisfly	Hydrobiosidae	
<i>Tiphobiosis montana</i> Tillyard, 1924	Caddisfly	Hydrobiosidae	Sp
<i>Tiphobiosis plicosta</i> McFarlane, 1960	Caddisfly	Hydrobiosidae	
<i>Tiphobiosis veniflex</i> McFarlane, 1960	Caddisfly	Hydrobiosidae	
<i>Hydropsyche catherinae</i> McFarlane, 1960	Caddisfly	Hydropsychidae	
<i>Hydropsyche colonica</i> McLachlan, 1871	Caddisfly	Hydropsychidae	
<i>Hydropsyche fimbriata</i> McLachlan, 1862	Caddisfly	Hydropsychidae	
<i>Hydropsyche philpotti</i> Tillyard, 1924	Caddisfly	Hydropsychidae	
<i>Hydropsyche raruraru</i> McFarlane, 1973	Caddisfly	Hydropsychidae	
<i>Hydropsyche tepoka</i> (Mosely, 1953)	Caddisfly	Hydropsychidae	
<i>Hydropsyche thomasi</i> Wise, 1962	Caddisfly	Hydropsychidae	Sp
<i>Hydropsyche tipua</i> McFarlane, 1964	Caddisfly	Hydropsychidae	
<i>Hydropsyche winterbourni</i> (Smith, 2008)	Caddisfly	Hydropsychidae	
<i>Diplectrona bulla</i> Wise, 1958	Caddisfly	Hydropsychidae	
<i>Diplectrona zealandensis</i> Mosely, 1953	Caddisfly	Hydropsychidae	
<i>Oxyethira (Trichoglene) albiceps</i> (McLachlan, 1862)	Caddisfly	Hydroptilidae	
<i>Paroxyethira auldorum</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	
<i>Paroxyethira dunedensis</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	
<i>Paroxyethira eatoni</i> Mosely, 1924	Caddisfly	Hydroptilidae	
<i>Paroxyethira hendersoni</i> Mosely, 1924	Caddisfly	Hydroptilidae	
<i>Paroxyethira teika</i> Ward & Henderson, 2004	Caddisfly	Hydroptilidae	
<i>Paroxyethira tillyardi</i> Mosely, 1924	Caddisfly	Hydroptilidae	
<i>Hudsonema alienum</i> (McLachlan, 1868)	Caddisfly	Leptoceridae	
<i>Hudsonema amabile</i> (McLachlan, 1868)	Caddisfly	Leptoceridae	
<i>Oecetis unicolor</i> (McLachlan, 1868)	Caddisfly	Leptoceridae	
<i>Triplectides cephalotes</i> (Walker, 1852)	Caddisfly	Leptoceridae	
<i>Triplectides dolichos</i> McFarlane, 1981	Caddisfly	Leptoceridae	
<i>Triplectides obsoletus</i> (McLachlan, 1862)	Caddisfly	Leptoceridae	
<i>Triplectidina moselyi</i> McFarlane & Ward, 1990	Caddisfly	Leptoceridae	
<i>Triplectidina oreolimnetes</i> (Tillyard, 1924)	Caddisfly	Leptoceridae	
<i>Oeconesus incisus</i> Mosely, 1953	Caddisfly	Oeconesidae	
<i>Oeconesus maori</i> McLachlan, 1862	Caddisfly	Oeconesidae	
<i>Oeconesus similis</i> Mosely, 1953	Caddisfly	Oeconesidae	
<i>Pseudoeconesus bistirpis</i> Wise, 1958	Caddisfly	Oeconesidae	
<i>Pseudoeconesus hudsoni</i> Mosely, 1953	Caddisfly	Oeconesidae	
<i>Pseudoeconesus mimus</i> McLachlan, 1894	Caddisfly	Oeconesidae	
<i>Pseudoeconesus squamosus</i> Mosely, 1953	Caddisfly	Oeconesidae	
<i>Pseudoeconesus stramineus</i> McLachlan, 1894	Caddisfly	Oeconesidae	
<i>Tarapsyche olis</i> McFarlane, 1960	Caddisfly	Oeconesidae	
<i>Zelandopsyche ingens</i> Tillyard, 1921	Caddisfly	Oeconesidae	
<i>Zelandopsyche maclellani</i> McFarlane, 1981	Caddisfly	Oeconesidae	
<i>Zepsyche acinaces</i> McFarlane, 1960	Caddisfly	Oeconesidae	
<i>Hydrobiosella mixta</i> (Cowley, 1976)	Caddisfly	Philopotamidae	
<i>Hydrobiosella stenocerca</i> Tillyard, 1924	Caddisfly	Philopotamidae	
<i>Hydrobiosella tonela</i> (Mosely, 1953)	Caddisfly	Philopotamidae	
<i>Philorheithrus agilis</i> (Hudson, 1904)	Caddisfly	Philorheithridae	
<i>Philorheithrus aliciae</i> Henderson & Ward, 2006	Caddisfly	Philorheithridae	
<i>Philorheithrus lacustris</i> Tillyard, 1924	Caddisfly	Philorheithridae	
<i>Plectrocnemia maclachlani</i> Mosely, 1953	Caddisfly	Polycentropodidae	
<i>Plectrocnemia tuhuae</i> Ward, 1995	Caddisfly	Polycentropodidae	

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Polyplectropus altera</i> McFarlane, 1981	Caddisfly	Polycentropodidae	
<i>Polyplectropus aurifusca</i> McFarlane, 1956	Caddisfly	Polycentropodidae	
<i>Polyplectropus impluvii</i> Wise, 1962	Caddisfly	Polycentropodidae	
<i>Polyplectropus puerilis</i> (McLachlan, 1868)	Caddisfly	Polycentropodidae	
<i>Xanthocnemis sobrina</i> (McLachlan, 1873)	Damselfly	Coenagrionidae	
<i>Xanthocnemis tuanuii</i> Rowe, 1981	Damselfly	Coenagrionidae	IE
<i>Xanthocnemis zealandica</i> (McLachlan, 1873)	Damselfly	Coenagrionidae	
<i>Austrolestes colenisonis</i> (White, 1846)	Damselfly	Lestidae	
<i>Archichauliodes diversus</i> (Walker, 1853)	Dobsonfly	Corydalidae	
<i>Aeshna brevistyla</i> (Rambur, 1842)	Dragonfly	Aeshnidae	
<i>Procordulia grayi</i> (Selys, 1871)	Dragonfly	Corduliidae	
<i>Procordulia smithii</i> (White, 1846)	Dragonfly	Corduliidae	
<i>Diplacodes bipunctata</i> (Brauer, 1865)	Dragonfly	Libellulidae	
<i>Uropetala carovei</i> (White, 1843)	Dragonfly	Petaluridae	
<i>Uropetala chiltoni</i> Tillyard, 1921	Dragonfly	Petaluridae	
<i>Ameletopsis perscitus</i> (Eaton, 1899)	Mayfly	Ameletopsidae	
<i>Coloburiscus humeralis</i> (Walker, 1853)	Mayfly	Coloburiscidae	
<i>Ichthybotus bicolor</i> Tillyard, 1923	Mayfly	Ephemeridae	
<i>Ichthybotus hudsoni</i> (McLachlan, 1894)	Mayfly	Ephemeridae	
<i>Acanthophlebia cruentata</i> (Hudson, 1904)	Mayfly	Leptophlebiidae	
<i>Arachnocolus phillipsi</i> Towns & Peters, 1979	Mayfly	Leptophlebiidae	
<i>Atalophlebioides cromwelli</i> (Phillips, 1930)	Mayfly	Leptophlebiidae	
<i>Austroclima jollyae</i> Towns & Peters, 1979	Mayfly	Leptophlebiidae	
<i>Austroclima sepia</i> (Phillips, 1930)	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) angustum</i> Towns & Peters, 1996	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) atricolor</i> Hitchings, 2009	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) autumnale</i> Phillips, 1930	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) cerinum</i> Phillips, 1930	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) fumosum</i> Phillips, 1930	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) lillii</i> Eaton, 1899	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) myzobranchia</i> Phillips, 1930	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) townsi</i> Hitchings, 2009	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) vernale</i> Phillips, 1930	Mayfly	Leptophlebiidae	
<i>Deleatidium (Deleatidium) wardorum</i> Hitchings, 2010	Mayfly	Leptophlebiidae	
<i>Deleatidium (Penniketellum) comutum</i> Towns & Peters, 1996	Mayfly	Leptophlebiidae	
<i>Deleatidium (Penniketellum) patricki</i> Hitchings, 2008	Mayfly	Leptophlebiidae	
<i>Mauilulus luma</i> Towns & Peters, 1979	Mayfly	Leptophlebiidae	
<i>Neozephlebia scita</i> (Walker, 1853)	Mayfly	Leptophlebiidae	
<i>Tepakia caligata</i> Towns & Peters, 1996	Mayfly	Leptophlebiidae	
<i>Zephlebia borealis</i> (Phillips, 1930)	Mayfly	Leptophlebiidae	
<i>Zephlebia dentata</i> (Eaton, 1871)	Mayfly	Leptophlebiidae	
<i>Zephlebia inconspicua</i> Towns, 1983	Mayfly	Leptophlebiidae	
<i>Zephlebia pirongia</i> Towns & Peters, 1996	Mayfly	Leptophlebiidae	
<i>Zephlebia spectabilis</i> Towns, 1983	Mayfly	Leptophlebiidae	
<i>Zephlebia versicolor</i> (Eaton, 1899)	Mayfly	Leptophlebiidae	
<i>Nesameletus austrinus</i> Hitchings & Staniczek, 2003	Mayfly	Nesameletidae	
<i>Nesameletus flavitinctus</i> (Tillyard, 1923)	Mayfly	Nesameletidae	
<i>Nesameletus ornatus</i> (Eaton, 1883)	Mayfly	Nesameletidae	
<i>Oniscigaster distans</i> Eaton, 1899	Mayfly	Oniscigastriidae	
<i>Rallidens mcfarlanei</i> Penniket, 1966	Mayfly	Rallidentidae	

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Hygraula nitens</i> (Butler, 1880)	Moth	Crambidae	
<i>Nannochorista philpotti</i> (Tillyard, 1917)	Scorpionfly	Nannochoristidae	
<i>Austroperla cyrene</i> (Newman, 1845)	Stonefly	Austroperlidae	
<i>Stenoperla hendersoni</i> McLellan, 1996	Stonefly	Eustheniidae	
<i>Stenoperla maclellani</i> Zwick, 1979	Stonefly	Eustheniidae	
<i>Stenoperla prasina</i> (Newman, 1845)	Stonefly	Eustheniidae	
<i>Acroperla flavescens</i> (Kimmins, 1938)	Stonefly	Gripopterygidae	
<i>Acroperla samueli</i> McLellan, 1977	Stonefly	Gripopterygidae	
<i>Acroperla trivacuata</i> (Tillyard, 1923)	Stonefly	Gripopterygidae	
<i>Holcoperla angularis</i> (Wisely, 1953)	Stonefly	Gripopterygidae	Sp
<i>Holcoperla jacksoni</i> McLellan, 1977	Stonefly	Gripopterygidae	DP
<i>Holcoperla magna</i> McLellan, 1983	Stonefly	Gripopterygidae	Sp
<i>Megaleptoperla diminuta</i> Kimmins, 1938	Stonefly	Gripopterygidae	
<i>Nesoperla fulvescens</i> Tillyard, 1923	Stonefly	Gripopterygidae	
<i>Taraperla ancilis</i> (Harding & Chadderton, 1995)	Stonefly	Gripopterygidae	Sp
<i>Taraperla howesi</i> (Tillyard, 1923)	Stonefly	Gripopterygidae	
<i>Taraperla pseudocyrene</i> McLellan, 1998	Stonefly	Gripopterygidae	
<i>Zelandobius alatus</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius albofasciatus</i> McLellan, 1993	Stonefly	Gripopterygidae	Sp
<i>Zelandobius childi</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius confusus</i> (Hare, 1910)	Stonefly	Gripopterygidae	
<i>Zelandobius cordatus</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius foxi</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius furcillatus</i> Tillyard, 1923	Stonefly	Gripopterygidae	
<i>Zelandobius gibbsi</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius illiesi</i> McLellan, 1969	Stonefly	Gripopterygidae	
<i>Zelandobius kuscheli</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius patricki</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius pilosus</i> Death, 1990	Stonefly	Gripopterygidae	
<i>Zelandobius truncus</i> McLellan, 1993	Stonefly	Gripopterygidae	
<i>Zelandobius unicolor</i> Tillyard, 1923	Stonefly	Gripopterygidae	
<i>Zelandoperla agnetis</i> McLellan, 1967	Stonefly	Gripopterygidae	
<i>Zelandoperla decorata</i> Tillyard, 1923	Stonefly	Gripopterygidae	
<i>Zelandoperla denticulata</i> McLellan, 1967	Stonefly	Gripopterygidae	
<i>Zelandoperla fenestrata</i> Tillyard, 1923	Stonefly	Gripopterygidae	
<i>Zelandoperla pennulata</i> McLellan, 1967	Stonefly	Gripopterygidae	
<i>Zelandoperla tillyardi</i> McLellan, 1999	Stonefly	Gripopterygidae	
<i>Cristaperla eylesi</i> McLellan, 1991	Stonefly	Notonemouridae	Sp
<i>Cristaperla fimbria</i> (Winterbourn, 1965)	Stonefly	Notonemouridae	
<i>Cristaperla waharoa</i> McLellan, 1991	Stonefly	Notonemouridae	
<i>Halticoperla gibbsi</i> McLellan, 1991	Stonefly	Notonemouridae	
<i>Halticoperla tara</i> McLellan, 1991	Stonefly	Notonemouridae	
<i>Halticoperla viridans</i> McLellan & Winterbourn, 1968	Stonefly	Notonemouridae	
<i>Notonemoura alisteri</i> McLellan, 1968	Stonefly	Notonemouridae	
<i>Notonemoura latipennis</i> Tillyard, 1923	Stonefly	Notonemouridae	
<i>Notonemoura winstanleyi</i> McLellan, 1991	Stonefly	Notonemouridae	DP
<i>Omanuperla bruningi</i> McLellan, 1972	Stonefly	Notonemouridae	
<i>Spaniocerca acuta</i> McLellan, 1991	Stonefly	Notonemouridae	DP
<i>Spaniocerca bicornuta</i> McLellan, 1987	Stonefly	Notonemouridae	
<i>Spaniocerca longicauda</i> McLellan, 1977	Stonefly	Notonemouridae	

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Spaniocerca minor</i> Kimmins, 1938	Stonefly	Notonemouridae	
<i>Spaniocerca zelandica</i> Tillyard, 1923	Stonefly	Notonemouridae	
<i>Spaniocerca zwicki</i> McLellan, 1991	Stonefly	Notonemouridae	
<i>Spaniocercoides cowleyi</i> (Winterbourn, 1965)	Stonefly	Notonemouridae	
<i>Spaniocercoides foxi</i> McLellan, 1984	Stonefly	Notonemouridae	
<i>Spaniocercoides howesi</i> McLellan, 1984	Stonefly	Notonemouridae	
<i>Spaniocercoides hudsoni</i> Kimmins, 1938	Stonefly	Notonemouridae	
<i>Spaniocercoides philpotti</i> Winterbourn, 1965	Stonefly	Notonemouridae	
<i>Spaniocercoides townsendi</i> McLellan, 1984	Stonefly	Notonemouridae	
Phylum Arthropoda, subphylum Crustacea			
<i>Chiltonia minuta</i> Bousfield, 1964	Amphipod	Ceinidae	IE
<i>Paracorophium excavatum</i> (Thomson, 1884)	Amphipod	Corophiidae	
<i>Paracorophium lucasi</i> (Hurley, 1954)	Amphipod	Corophiidae	
<i>Paracalliope fluviatilis</i> (Thomson, 1879)	Amphipod	Paracalliopeiidae	
<i>Phreatogammarus helmsi</i> Chilton, 1918	Amphipod	Phreatogammaridae	
<i>Paranephrops planifrons</i> White, 1842	Crayfish/koura	Parastacidae	
<i>Austridotea lacustris</i> (Thompson, 1879)	Isopod	Idoteidae	
<i>Notamphisopus benhami</i> Nicholls, 1944	Isopod	Phreatoicidae	
<i>Notamphisopus dunedinensis</i> (Chilton, 1906)	Isopod	Phreatoicidae	
<i>Gastrosaccus australis</i> Tattersall, 1923	Mysid shrimp	Mysidae	
<i>Tenagomysis chiltoni</i> Tattersall, 1923	Mysid shrimp	Mysidae	
<i>Tenagomysis novaezealandiae</i> Thomson, 1900	Mysid shrimp	Mysidae	
<i>Paratya curvirostris</i> (Heller, 1862)	Shrimp	Caridea	
Phylum Mollusca			
<i>Afropisidium hodgkini</i> (Suter, 1905)	Clam	Sphaeriidae	
<i>Cyclocalyx novaezealandiae</i> (Prime, 1862)	Clam	Sphaeriidae	
<i>Sphaerium (Sphaerinova) novaezealandiae</i> Deshayes, 1853	Clam	Sphaeriidae	
<i>Latia neritoides</i> (Gray, 1850)	Limpet	Latiidae	
<i>Ferrissia dohrnianus</i> (Clessin, 1882)	Limpet	Planorbidae	
<i>Ferrissia neozelanicus</i> (Suter, 1905)	Limpet	Planorbidae	
<i>Zemelanopsis trifasciata</i> (Gray, 1834)	Snail	Melanopsidae	
<i>Gyraulus corinna</i> (Gray, 1850)	Snail	Planorbidae	
<i>Halopyrgus pagodulus</i> Haase, 2008	Snail	Tateidae	
<i>Halopyrgus pupoides</i> (Hutton, 1882)	Snail	Tateidae	
<i>Potamopyrgus antipodarum</i> (Gray, 1843)	Snail	Tateidae	
<i>Potamopyrgus estuarinus</i> Winterbourn, 1970	Snail	Tateidae	
Phylum Platyhelminthes			
<i>Cura pinguis</i> (Weiss, 1909)	Flatworm	Dugesidae	SO
<i>Neppia montana</i> (Nurse, 1950)	Flatworm	Dugesidae	
<i>Spathula schauinslandi</i> Neppi, 1904	Flatworm	Dugesidae	
<i>Prorhynchus putealis</i> Haswell, 1898	Flatworm	Prorhynchidae	
<i>Didymorchis paranephropis</i> Haswell, 1900	Flatworm	Temnocephalidae	DP
<i>Temnohaswellia novaezealandiae</i> (Haswell, 1888)	Flatworm	Temnocephalidae	DP
<i>Mesostoma ehrenbergii</i> (Focke, 1836)	Flatworm	Typhloplanidae	

Introduced and Naturalised (o)

No freshwater invertebrate taxa were ranked as Introduced and Naturalised, as the panel focused on assessing native species.

2.2 Taxonomically Indeterminate

This section includes described taxa whose taxonomic status is uncertain and requires further investigation, and also possibly distinct invertebrates whose taxonomic status has yet to be determined. Definitions of threat categories follow those given in the Taxonomically Determinate section above.

Extinct (0)

No taxonomically indeterminate freshwater invertebrates were ranked as Extinct.

Data Deficient (27)

NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
Phylum Arthropoda			
<i>Hydora</i> n. sp.	Beetle	Elmidae	
<i>Coloburiscus tonnori</i> Lestage, 1935	Caddisfly	Coloburiscidae	
<i>Pycnocentria</i> n. sp. F	Caddisfly	Conoesucidae	
<i>Pycnocentroides modestus</i> Cowley, 1976	Caddisfly	Conoesucidae	
<i>Hydrochorema</i> n. sp. B	Caddisfly	Hydrobiosidae	OL
<i>Tiphobiosis</i> n. sp. B	Caddisfly	Hydrobiosidae	RR
<i>Tiphobiosis</i> n. sp. C	Caddisfly	Hydrobiosidae	RR
<i>Tiphobiosis</i> n. sp. D	Caddisfly	Hydrobiosidae	RR
<i>Tiphobiosis</i> n. sp. P	Caddisfly	Hydrobiosidae	OL
<i>Tiphobiosis</i> n. sp. W	Caddisfly	Hydrobiosidae	OL
<i>Hydropsyche</i> n. sp. Q	Caddisfly	Hydropsychidae	OL
<i>Paroxyethira</i> n. sp. C	Caddisfly	Hydroptilidae	Sp
<i>Paroxyethira</i> n. sp. L	Caddisfly	Hydroptilidae	OL
<i>Hudsonema</i> n. sp. X	Caddisfly	Leptoceridae	
<i>Pseudoeconesus</i> n. sp. A	Caddisfly	Oeconesidae	OL
<i>Pseudoeconesus</i> n. sp. D	Caddisfly	Oeconesidae	OL
<i>Pseudoeconesus</i> n. sp. P	Caddisfly	Oeconesidae	OL
<i>Pseudoeconesus</i> n. sp. S	Caddisfly	Oeconesidae	OL
<i>Cryptobiosella</i> "Mokihinui"	Caddisfly	Philopotamidae	OL
Phylum Arthropoda, subphylum Crustacea			
<i>Paraleptamphopus</i> sp.	Amphipod	Paraleptamphopidae	OL
<i>Makawe</i> spp.	Amphipod	Talitridae	
<i>Notamphisopus flavius</i> Nicholls, 1944	Isopod	Phreatoicidae	
<i>Notamphisopus kirkii</i> (Chilton, 1906)	Isopod	Phreatoicidae	IE, RR
<i>Notamphisopus littoralis</i> Nicholls, 1944	Isopod	Phreatoicidae	
<i>Notamphisopus percevali</i> Nicholls, 1944	Isopod	Phreatoicidae	
<i>Daphnia</i> sp. nova	Waterflea	Daphniidae	
Phylum Platyhelminthes			
Undescribed	Flatworm	Dalyellidae	

Threatened (7)

Nationally Critical (4)

NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
Phylum Arthropoda				
<i>Hydrobiosis</i> n. sp. L	Caddisfly	Hydrobiosidae	A(2)	OL
<i>Pseudoecoesus</i> n. sp. G	Caddisfly	Oeconesidae	A(2)	DP
Phylum Arthropoda, subphylum Crustacea				
<i>Paramoera</i> sp.	Amphipod	Eusiridae	A(3)	DP, IE, OL
<i>Paraleptamphopus</i> sp. "pounamu"	Amphipod	Paraleptamphopidae	A(3)	OL

Nationally Endangered (2)

NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
Phylum Arthropoda				
<i>Hydrochorema</i> n. sp. W	Caddisfly	Hydrobiosidae	A(2/1)	DP, RR
<i>Neurochorema</i> n. sp. A	Caddisfly	Hydrobiosidae	A(3/1)	Sp

Nationally Vulnerable (1)

NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
Phylum Arthropoda				
<i>Pseudoecoesus</i> n. sp. T	Caddisfly	Oeconesidae	B(2/1)	

At Risk (7)

Declining (1)

NAME AND AUTHORITY	COMMON NAME	FAMILY	CRITERIA	QUALIFIERS
Phylum Arthropoda				
<i>Rallidens</i> n. sp.	Mayfly	Rallidentidae	A(2/1)	DP, RR

Recovering (0)

No taxonomically indeterminate freshwater invertebrates were ranked as Recovering.

Relict (0)

No taxonomically indeterminate freshwater invertebrates were ranked as Relict.

Naturally Uncommon (6)

NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
Phylum Arthropoda			
<i>Pycnocentria</i> n. sp. B	Caddisfly	Conoesucidae	
Phylum Arthropoda, subphylum Crustacea			
<i>Paraleptamphopus</i> sp. "lobatus"	Amphipod	Paraleptamphopidae	
<i>Paraleptamphopus</i> sp. "maniatoto"	Amphipod	Paraleptamphopidae	

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NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Paraleptamphopus</i> sp. “moto”	Amphipod	Paraleptamphopidae	
<i>Paraleptamphopus</i> sp. “murihiku”	Amphipod	Paraleptamphopidae	OL
<i>Paraleptamphopus</i> sp. “whakahirahira”	Amphipod	Paraleptamphopidae	

Non-resident Native (0)

No taxonomically indeterminate freshwater invertebrates were listed as Migrant, Vagrant or Coloniser.

Not Threatened (9)

NAME AND AUTHORITY	COMMON NAME	FAMILY	QUALIFIERS
<i>Enochrus (Methyrus) tritus</i> (Broun, 1880)	Beetle	Hydrophilidae	
<i>Pycnocentria</i> n. sp. A	Caddisfly	Conoesucidae	
<i>Pycnocentria</i> n. sp. C	Caddisfly	Conoesucidae	
<i>Hydrochorema</i> n. sp. C	Caddisfly	Hydrobiosidae	
<i>Tiphobiosis</i> n. sp. A	Caddisfly	Hydrobiosidae	Sp
<i>Tiphobiosis</i> n. sp. E	Caddisfly	Hydrobiosidae	Sp
<i>Hudsonema</i> n. sp. BP	Caddisfly	Leptoceridae	
<i>Paraleptamphopus</i> sp. “academicus”	Amphipod	Paraleptamphopidae	
<i>Paranephrops</i> sp.	Crayfish/koura	Parastacidae	

Introduced and naturalised (0)

No taxonomically indeterminate freshwater invertebrates were listed as Introduced and Naturalised, as the panel focused on assessing native species.

3. Acknowledgements

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