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Conservation status of New Zealand macroalgae, 2019

Wendy A. Nelson, Kate Neill, Roberta D'Archino and Jeremy R. Rolfe



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Cover: Red, brown and green marine algae photographed subtidally at Port Pegasus, Stewart Island. *Photo: Roberta D'Archino.*

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Conservation status of New Zealand macroalgae, 2019

Wendy A. Nelson^{1,2}, Kate Neill¹, Roberta D'Archino¹ and Jeremy R. Rolfe³

¹ NIWA, Private Bag 14901, Wellington 6241, New Zealand

Wendy.Nelson@niwa.co.nz

² University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

³ Department of Conservation, PO Box 10420 Wellington 6143, New Zealand

Abstract

The conservation status of 938 New Zealand macroalga taxa was assessed using the New Zealand Threat Classification System (NZTCS). A full list is presented, along with a statistical summary and brief notes on the most important changes. This list replaces all previous NZTCS lists for macroalgae.

Keywords: New Zealand Threat Classification System, NZTCS, conservation status, macroalgae, Bangiales, Bryopsidales, Ceramiales, Cladophorales, Chlorophyta, Corallinales, Ectocarpales, Fucales, Gigartinales, Ochrophyta, Rhodophyta, Rhodymeniales, Ulvales

1. Summary

In 2005, Nelson (in Hitchmough et al. 2007) assessed the conservation status of 63 macroalga taxa using the criteria specified by Molloy et al. (2002). Two of these taxa, *Durvillaea antarctica* and *Herpodiscus durvilleae*, were assessed as Not Threatened, so were not reported in Hitchmough et al. (2007). Two ‘taxa’ were reported in Hitchmough et al. (2007) as single assessments of multiple species under the names ‘*Entocladia* spp.’ and ‘*Porphyra* spp.’ In this report, ‘*Entocladia* spp.’ are assessed as two formally described taxa – *Entocladia rivulariae* and *E. russelliae*.

The splitting of ‘*Entocladia* spp.’ into two taxa results in the NZTCS database (www.nztc.org.nz/reports/61) listing 64 taxa for the 2005 assessment, with the name ‘*Entocladia* spp.’ appearing twice. Here we report on a new assessment of 938 macroalgae taxa that includes the 64 taxa in the NZTCS database along with 874 that have been assessed for the first time.

The systematics of the order Bangiales underwent major revision in 2011, with many more genera recognised in the order than previously (Sutherland et al. 2011). Species formerly placed in the genus *Porphyra* in New Zealand are now recognised to belong to the genera *Clymene*, *Lysithea*, *Porphyra* and *Pyropia*, and a number of species have been described (e.g. Nelson et al. 2006; Nelson & Broom 2010; Sutherland et al. 2011; Nelson 2013). Formal taxonomy of ‘*Porphyra* spp.’ and ‘*Pyropia* spp.’ has yet to be completed but research has progressed to the point where we can now report on 13 distinct entities as *Porphyra* sp. A through *Porphyra* sp. M and 9 distinct entities as *Pyropia* sp. A through *Pyropia* sp. I.

In addition to ‘*Entocladia* spp.’ and ‘*Porphyra* spp.’, 12 taxa reported in Hitchmough et al. (2007) have changed names in this report (Table 1). Of these, 4 were previously undescribed entities that now have formal names, 5 were previously described taxa that have undergone taxonomic revision and 4 remain undescribed, but with names amended for improved clarity.

Table 1. Name changes affecting New Zealand macroalgae taxa that were reported on in Hitchmough et al. (2007).

| NAME IN HITCHMOUGH et al. (2007) | NAME IN THIS REPORT | FAMILY | ORDER | COMMON NAME | TAXONOMIC STATUS |
|--|---|------------------|-----------------|----------------|---------------------|
| <i>Acrochaete endostraca</i> | <i>Ulrella endostraca</i> (R.Nielsen) R.Nielsen, C.J.O'Kelly & B.Wysor | Ulvellaceae | Ulvales | green seaweed | Determinate |
| <i>Champiocolax</i> sp. | <i>Champiocolax</i> sp. A (WELT A018631/A; on <i>C. chathamensis</i>) | Champiaceae | Rhodymeniales | red seaweed | Uncertain |
| <i>Epicladia testarum</i> | <i>Ulrella testarum</i> (Kylin) R.Nielsen, C.J.O'Kelly & B.Wysor | Ulvellaceae | Ulvales | green seaweed | Determinate |
| <i>Galaxaura cohaerens</i> | <i>Galaxaura divaricata</i> (L.) Huisman & R.A.Towns. | Galaxauraceae | Nemaliales | red seaweed | Determinate |
| “ <i>Gelidium</i> ” <i>allanii</i> | <i>Gelidium johnstonii</i> Setch. & N.L.Gardner | Gelidiaceae | Gelidiales | red seaweed | Determinate |
| “ <i>Gelidium</i> ” <i>ceramoides</i> | <i>Zuccarelloa ceramoides</i> (Levring) D'Archino & W.A.Nelson | Kallymeniaceae | Gigartinales | red seaweed | Determinate |
| “ <i>Gelidium</i> ” <i>longipes</i> | <i>Gelidium crinale</i> (Hare ex Turner) Gaillon | Gelidiaceae | Gelidiales | red seaweed | Determinate |
| <i>Gigartina</i> sp. “Bounty Is.” | <i>Gigartina</i> sp. C (WELT A016481; Bounty I.) | Gigartinaceae | Gigartinales | red seaweed | Uncertain |
| <i>Gigartina</i> sp. “Three Kings” | <i>Gigartina ewenii</i> W.A.Nelson & D'Archino | Gigartinaceae | Gigartinales | red seaweed | Determinate |
| <i>Predaea</i> sp. | <i>Predaea</i> sp. A (WELT A013935; Manawatāwhi) | Nemastomataceae | Nemastomatales | red seaweed | Uncertain |
| <i>Pterocladia lindaueri</i> | <i>Pterocladiella capillacea</i> (S.G.Gmel.) Santel. & Hommers. | Gelidiaceae | Gelidiales | red seaweed | Determinate |
| Sonderopelta coriacea Womersley & Sinkora | <i>Sonderophycus coriaceus</i> (Womersley & Sinkora) M.J.Wynne | Peyssonneliaceae | Peyssonneliales | red seaweed | Determinate |

Our ability to assess macroalgal taxa against the threat classification criteria is strongly constrained by the state of knowledge of the flora, the extent of collections available in herbaria as well as the limited funding for systematic research.

There is no complete flora treatment for New Zealand macroalgae, and very few monographic treatments. Over a 30 year period (1972–2002) a series of regional flora lists were compiled with targeted collections from different parts of the New Zealand region that greatly improved the coverage of specimens held in herbaria (Adams 1972; Adams et al. 1974; South & Adams 1976; Nelson & Adams 1984; Adams & Nelson 1985; Hay et al. 1985; Nelson & Adams 1987; Nelson et al. 1991; Nelson et al. 1992; Neale & Nelson 1998; Nelson et al. 2002). As part of the Species 2000 project documenting the New Zealand biota, lists of currently accepted names and the taxonomic hierarchy were published (Broady et al. 2012; Harper et al. 2012; Nelson 2012). In addition, some specific projects have been undertaken to improve collections and knowledge of the flora, increasing understanding of diversity and species' distributions (e.g. coralline algae – Broom et al. 2008, Harvey et al. 2005, Farr et al. 2009; macroalgae from soft sediment environments – Neill et al. 2012; Ulvaceae – Heesch et al. 2007, 2009). When Nelson et al. (2013) evaluated data available for macroalgae based on herbarium data, they found that a large proportion of the flora is represented by a very small number of records – c. 44% of the flora is currently known from five or fewer records. This analysis identified gaps in the macroalgal collections, both taxonomically and geographically.

Research across a range of orders and families (e.g. Kallymeniaceae – D'Archino et al. 2010, 2011, 2012, 2016, 2017, 2018; coralline algae – Nelson et al. 2015) and also studies focused on specific habitats or regions (e.g. rhodolith beds – Neill et al. 2015; Rangitahua/Kermadecs – Nelson & Dalen 2015), have revealed many new taxa as well as the need for significant taxonomic revisions, and have clearly demonstrated that our knowledge of the flora is still in a discovery phase.

The current state of knowledge is reflected in the fact that in this report there are 159 taxonomically unresolved entities (published but doubtful names or tag names) listed and 609 species are recorded as being Data Deficient.

1.1 Trends

Seven taxa are assessed as being in decline. Two of these, *Dione arcuata* and *Prasionema heeschiae*, are assessed as Threatened – Nationally Critical. The remaining five are assessed as At Risk – Declining.

Dione arcuata has been collected on only two occasions, with a single collection from each of two sites c. 5 km apart on the Kaikoura coastline (Nelson et al. 2005). One of these sites was completely buried in the 2016 Kaikoura earthquake and the other was affected by uplift. Only minimal phycological surveys with an expert taxonomic focus have been done along this coastline since the earthquake and, so far, no *Dione* has been reported.

Prasionema heeschiae has been collected on a single occasion and from a single site on Campbell Island, where it was growing on a wooden wharf which has been subsequently demolished (Nelson et al. 2018).

The conservation status of 10 taxa that were listed in Hitchmough et al. (2007) has changed in this assessment. However, only 2 of those changes are based on observed decline of populations; the status of the remaining 8 taxa has changed as result of improved knowledge or reinterpretation of the data used to make the assessments.

Bull kelp *Durvillaea antarctica* and the endophyte *Herpodiscus durvilleae* that associates only with *Durvillaea* species (Heesch et al. 2008; Fraser & Waters 2013), have been assessed as At Risk – Declining after monitoring from North Otago showed significant decline of the host species there (D'Archino et al. 2019) as well as reports of the impact of recent marine heatwaves

(Thomsen et al. 2019) and anecdotal reports of declines in the North Island and Southland. They were previously assessed as Not Threatened by Hitchmough et al. (see <https://nztcs.org.nz/reports/61>). A similar decline has been assessed for the closely related *Durvillaea poha*, which has a southern New Zealand – subantarctic distribution and which is assessed for the first time in this report.

The distribution of macroalgae at local and regional levels is being influenced by anthropogenic environmental changes. The trends and impacts of ocean acidification on macroalgae in New Zealand were summarised by Law et al. (2017) and D'Archino et al. (2019) examined the utility of large brown macroalgae for monitoring the impacts of human-induced changes on the distribution and health of macroalgal communities in New Zealand waters.

Table 2. Comparison of the status of New Zealand macroalgae taxa assessed in 2005 (Hitchmough et al. 2007) and 2019 (this document).

| CONSERVATION STATUS | 2005 | | | 2019 | | |
|---------------------------------|---------------------------|--------------------------|-----------------|---------------------------|--------------------------|-------|
| | Taxonomically Determinate | Taxonomically Unresolved | Total | Taxonomically Determinate | Taxonomically Unresolved | Total |
| Data Deficient | 21 | 3 | 24 ¹ | 469 | 140 | 609 |
| Nationally Critical | 1 | | 1 | 4 | 2 | 6 |
| Nationally Endangered | | | | 1 | | 1 |
| Declining | | | | 5 | | 5 |
| Naturally Uncommon ² | 33 | 4 | 37 | 96 | 9 | 105 |
| Not Threatened | 2 ³ | | 2 | 162 | 4 | 166 |
| Introduced and Naturalised | | | | 42 | 4 | 46 |
| Total | 57 | 7 | 64 | 779 | 159 | 938 |

¹ Nelson (in Hitchmough et al. 2007) reported 23 Data Deficient taxa. One of these was listed as *Entocladia* spp. which has since been described as two species – *E. rivulariae* and *E. russelliae*. Therefore, the name *Entocladia* spp. appears twice in the Macroalgae 2005 report in the NZTCS database (<https://nztcs.org.nz/reports/61>) so that the NZTCS assessment history of both species is visible.

² Nelson (in Hitchmough et al. 2007) assessed 37 taxa as At Risk – Range Restricted, using the criteria of Molloy et al. (2002). This conservation status is equivalent to At Risk – Naturally Uncommon in the current New Zealand Threat Classification System (Townsend et al. 2008).

³ Nelson assessed two taxa as Not Threatened in 2005 but they were not reported in Hitchmough et al. (2007).

2. Conservation status of New Zealand macroalgae, 2019

Taxa are assessed according to the criteria of Townsend et al. (2008) and the results are presented in Table 3. Taxa are grouped by conservation status, then by taxonomic status (determinate, uncertain), then alphabetically by scientific name. Data Deficient taxa are listed first, followed by other categories ordered by degree of extinction risk, from Threatened through to Not Threatened then Introduced and Naturalised. Although the true status of Data Deficient taxa will likely span the entire range of available categories, taxa are in that list mainly because they are very poorly understood. The Data Deficient list may include some of the most threatened species in New Zealand.

The definitions of qualifiers and criteria are summarised below Table 3. See Townsend et al. (2008) for details.

The full assessment data for the macroalgae taxa listed in Table 3 can be viewed and downloaded at: <https://nztcs.org.nz/reports/52>.

Table 3. Conservation status of New Zealand macroalgae, 2019.

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------------|-----------|------------|-------------------|----------------------|
| DATA DEFICIENT (609) | | | | | |
| Taxonomically determinate (468) | | | | | |
| <i>Acinetospora crinita</i> (Carmich.) Kornmann | brown seaweed | | | Ectocarpales | Acinetosporaceae |
| <i>Acrochaetium leptonomoides</i> Levring | red seaweed | OL | | Acrochaetales | Acrochaetiaceae |
| <i>Acrochaetium neozealandicum</i> Levring | red seaweed | OL | | Acrochaetales | Acrochaetiaceae |
| <i>Acrosymphton firmum</i> M.W.Hawkes | red seaweed | | | Acrosympytales | Acrosympytaceae |
| <i>Adamsiella lorata</i> L.E.Phillips & W.A.Nelson | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Adamsiella melchiori</i> L.E.Phillips & W.A.Nelson | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Amoenothamnion planktonicum</i> E.M.Woll. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Amplisiphonia pacifica</i> Hollenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Antarctosaccion applanatum</i> (Gain) Delépine | golden-brown alga | SO | | Chrysomeridales | Chrysomeridaceae |
| <i>Antithamnion decipiens</i> (J.Agardh) Athanas. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Antithamnion hubbsii</i> E.Y.Dawson | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Antithamnion pectinatum</i> (Mont.) Brauner | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Antithamnionella adnata</i> (J.Agardh) N.M.Adams | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Antithamnionella breviramosa</i> (E.Y.Dawson) E.M.Woll. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Antithamnionella flagellata</i> (Boergesen) I.A.Abbott | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Aphanocladia delicatula</i> (Hook.f. & Harv.) Falkenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Aristoptilon mooreanum</i> (Lindauer) Hommers. & W.A.Nelson | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Asteronema ferruginea</i> (Harv.) Delepine & Asensi | brown seaweed | | | Scytothamnales | Asteronemataceae |
| <i>Bachelotia antillarum</i> (Grunov) Gerloff | brown seaweed | | | Scytothamnales | Bachelotiaceae |
| <i>Ballia pennoides</i> E.M.Woll. | red seaweed | | | Balliales | Balliaceae |
| <i>Ballia sertularioides</i> (Suhr) Paperf. | red seaweed | | | Balliales | Balliaceae |
| <i>Balliella pseudocorticata</i> (E.Y.Dawson) D.N.Young | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Batrachospermum confusum</i> (Bory) Hassall | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Blidingia minima</i> (Nägeli) Kylin | green seaweed | | | Ulvales | Kornmanniaceae |
| <i>Boodlea composita</i> (Harv.) F.Brand | green seaweed | | | Cladophorales | Boodeaceae |
| <i>Bostrychia flagellifera</i> E.Post | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Bostrychia gracilis</i> (R.J.King & Puttock) Zuccarello & J.A.West | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Bostrychia harveyi</i> Mont. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Bostrychia intricata</i> (Bory) Mont. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Bostrychia moritziana</i> (Sond. ex Kütz.) J.Agardh | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Bostrychia tenuissima</i> R.J. King & Puttock | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Bostrychia vaga</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Botryocladia skottsbergii</i> (Boergesen) Levring | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Bryopsis derbesioides</i> V.J.Chapm. | green seaweed | | | Bryopsidales | Bryopsidaceae |
| <i>Bryopsis gemellipara</i> J.Agardh | green seaweed | | | Bryopsidales | Bryopsidaceae |
| <i>Bryopsis kermadecensis</i> V.J.Chapm. | green seaweed | | | Bryopsidales | Bryopsidaceae |
| <i>Bryopsis lindaueri</i> V.J.Chapm. | green seaweed | | | Bryopsidales | Bryopsidaceae |
| <i>Bryopsis rhizoidea</i> V.J.Chapm. | green seaweed | | | Bryopsidales | Bryopsidaceae |
| <i>Calliblepharis psammophila</i> D'Archino & W.A.Nelson | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Callithamnion brachyonum</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Callithamnion colensoi</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Callithamnion consanguineum</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Callithamnion crispulum</i> Harv. | red seaweed | | | Ceramiales | Callithamniaceae |

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Data Deficient continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------|-----------|------------|---------------|---------------------|
| <i>Callithamnion cryptopterum</i> Kütz. | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Callithamnion gracile</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Callithamnion puniceum</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Callocolax neglectus</i> F.Schmitz ex Batters | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Callophyllis angustifrons</i> (Hook.f. & Harv.) South & N.M.Adams | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Callophyllis atrosanguinea</i> (Hook.f & Harv.) Hariot | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Callophyllis ornata</i> (Mont.) Kütz. | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Caloglossa ogasawaraensis</i> Okamura | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Camontagnea hirsuta</i> (E.M.Woll.) Woelk. & Womersley | red seaweed | | | Palmariales | Rhodothamniellaceae |
| <i>Camontagnea oxyclada</i> (Mont.) Pujals | red seaweed | | | Palmariales | Rhodothamniellaceae |
| <i>Capsosiphon aureus</i> V.J.Chapm. | green seaweed | | | Ulotrichales | Ulotrichaceae |
| <i>Carpococcus linearis</i> J.Agardh | red seaweed | | | Gigartinales | Incertae sedis |
| <i>Catenella fusiformis</i> (J.Agardh) Skottsb. | red seaweed | | | Gigartinales | Caulacanthaceae |
| <i>Catenella nipae</i> Zanardini | red seaweed | | | Gigartinales | Caulacanthaceae |
| <i>Caulerpa fastigiata</i> Mont. | green seaweed | | | Bryopsidales | Caulerpaceae |
| <i>Caulerpa longifolia</i> C.Agardh | green seaweed | | | Bryopsidales | Caulerpaceae |
| <i>Cenacrum subsutum</i> R.W.Ricker & Kraft | red seaweed | | | Rhodymeniales | Faucheaceae |
| <i>Cephalocystis furcellata</i> (J.Agardh) A.Millar, G.W.Saunders, I.M.Strachan & Kraft | red seaweed | OL | | Rhodymeniales | Rhodymeniaceae |
| <i>Ceramium aucklandicum</i> Kütz. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium borneense</i> Weber Bosse | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium chathamense</i> Feldm.-Maz. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium clarionense</i> Setch. & N.L.Gardner | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium cliftonianum</i> J.Agardh | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium codii</i> (H.Richards) Feldm.-Maz. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium comptum</i> Børgesen | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium diaphanum</i> (Lightf.) Roth | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium discorticatum</i> Heydr. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium divergens</i> J.Agardh | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium filicula</i> Harv. ex Womersley | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium laingii</i> Reinbold | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium lenticulare</i> Womersley | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium nanum</i> Kuehne | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium spyridioides</i> Feldm.-Maz. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium stichidiostomum</i> J.Agardh | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium subverticillatum</i> (Grunow) Weber Bosse | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium tasmanicum</i> (Kütz.) Womersley | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium uncinatum</i> Harv. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium vestitum</i> Harv. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium virgatum</i> Roth | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceratodictyon intricatum</i> (C.Agardh) R.E.Norris | red seaweed | | | Rhodymeniales | Lomentariaceae |
| <i>Chaetomorpha elongata</i> V.J.Chapm. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Chaetomorpha ligustica</i> (Kütz.) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Chaetomorpha valida</i> (Hook.f. & Harv.) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Champia parvula</i> (C.Agardh) Harv. | red seaweed | | | Rhodymeniales | Champiaceae |
| <i>Chondria arcuata</i> Hollenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Chondria lanceolata</i> Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |

Continued on next page

Data Deficient continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------------|-----------|------------|----------------------------------|----------------------------------|
| <i>Choreonema thuretii</i> (Bornet) F.Schmitz | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Chroodactylon ornatum</i> (C.Agardh) Basson | red seaweed | | | Stylonematales | Stylonemataceae |
| <i>Chrysymenia brownii</i> (Harv.) De Toni | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Chrysymenia ornata</i> (J.Agardh) Kylin | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Cladhymenia lyallii</i> Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Cladhymenia oblongifoliaphila</i> M.Preuss & Zuccarello | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Cladophora albida</i> (Nees) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora aucklandica</i> Rabenh. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora colensoi</i> Harv. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora daviesii</i> Harv. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora hutchinsioides</i> C.Hoek & Womersley | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora incompta</i> (Hook.f. & Harv.) Hook.f. & Harv. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora laetevirens</i> (Dillwyn) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora sericea</i> (Huds.) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora subsimplex</i> Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora vagabunda</i> (L.) C.Hoek | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora valonioides</i> (Sond.) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladophora verticillata</i> (Hook.f. & Harv.) J.Agardh | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladothelie striarioides</i> (Skottbs.) A.D.Zinova | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Codium capitulatum</i> P.C.Silva & Womersley | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Codium dichotomum</i> f. <i>novozelandicum</i> Dellow | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Codium fragile</i> subsp. <i>maclovianae</i> Maggs | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Codium perrinia</i> A.H.S.Lucas | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Codium platyclados</i> R.Jones & Kraft | green seaweed | OL | | Bryopsidales | Codiaceae |
| <i>Codium saccatum</i> Okamura | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Coelarthrrum decumbens</i> Huisman | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Colacodasya inconspicua</i> (Reinsch) F.Schmitz | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Colaconema caespitosum</i> (J.Agardh) Jackelman, Stegenga & J.J.Bolton | red seaweed | | | Colaconematales | Colaconemataceae |
| <i>Colaconema dictyotae</i> (Collins) I.-K.Hwang & H.-S.Kim | red seaweed | | | Colaconematales | Colaconemataceae |
| <i>Colacopsis lophurellae</i> Kylin | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Compsopogon caeruleus</i> (Balb. ex C.Agardh) Mont. | red freshwater alga | | | Compsopogonales | Compsopogonaceae |
| <i>Corallina armata</i> Hook.f. & Harv. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Corallina hombronii</i> (Mont.) Mont ex Kütz. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Corallinapetra novaezelandiae</i> T.J.Farr, W.A.Nelson & J.E.Sutherl. | red seaweed | | | Corallinophycidae incertae sedis | Corallinophycidae incertae sedis |
| <i>Coronaphycus elatus</i> (C.Agardh) Metti | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Crouania willae</i> R.E.Norris | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Cryptonemia latissima</i> J.Agardh | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Curdiea codioides</i> V.J.Chapm. | red seaweed | | | Gracilariales | Gracilariaeae |
| <i>Cutleria mollis</i> Allender & Kraft | brown seaweed | OL | | Tilopteridales | Cutleriaceae |
| <i>Cyanidium caldarium</i> (Tilden) Geitler | red freshwater alga | | | Cyanidiales | Cyanidiaceae |
| <i>Dasya baillouviana</i> (Gmelin) Mont. | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Dasya subtilis</i> Lindauer | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Dasyclonium adiantiforme</i> (Decne.) Scagel | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Dasyclonium bifurcatum</i> Scagel | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Dasyclonium bipartitum</i> (Hook.f. & Harv.) Kylin | red seaweed | | | Ceramiales | Rhodomelaceae |

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| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------|-----------|------------|-------------------|-------------------|
| <i>Dasyclonium flaccidum</i> (Harv.) Kylin | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Dasyptilon pellucidum</i> (Harv.) Feldm.-Maz. | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Delisea compressa</i> Levring | red seaweed | | | Bonnemaisoniales | Bonnemaisoniaceae |
| <i>Derbesia novae-zelandiae</i> V.J.Chapm. | green seaweed | | | Bryopsidales | Derbesiaceae |
| <i>Deucalion levringii</i> (Lindauer) Huisman & Kraft | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Dictyopteris kermadecensis</i> (Cotton) Lindauer | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dictyopteris repens</i> (Okamura) Børgesen | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dictyota bartayresiana</i> J.V.Lamour. | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dictyota dichotoma</i> (Huds.) J.V.Lamour. | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dictyota implexa</i> (Desfontaines) J.V.Lamour. | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dictyota ocellata</i> J.Agardh | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dictyota papenfussii</i> Lindauer | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dipterosiphonia heteroclada</i> (J.Agardh) Falkenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Dipterosiphonia parva</i> (Dickie) Skottsb. & Levring | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Dudresnaya capricornica</i> Robins & Kraft | red seaweed | | | Gigartinales | Dumontiaceae |
| <i>Echinothamnion hystrix</i> (Hook.f. & Harv.) Kylin | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Echinothamnion lyallii</i> (Hook.f. & Harv.) Kylin | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Ectocarpus bracchiolus</i> Lindauer | brown seaweed | | | Ectocarpales | Ectocarpaceae |
| <i>Ectocarpus chapmanii</i> Lindauer | brown seaweed | | | Ectocarpales | Ectocarpaceae |
| <i>Ectocarpus dellowanus</i> Lindauer | brown seaweed | | | Ectocarpales | Ectocarpaceae |
| <i>Ectocarpus siliculosus</i> (Dillwyn) Lyngb. | brown seaweed | | | Ectocarpales | Ectocarpaceae |
| <i>Ectocarpus warnockii</i> Kuehne | brown seaweed | | | Ectocarpales | Ectocarpaceae |
| <i>Elachista lindaueri</i> V.J.Chapm. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Entocladia rivulariae</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvellaceae |
| <i>Entocladia russelliae</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvellaceae |
| <i>Epicladia perforans</i> (Huber) R.Nielsen | green seaweed | | | Ulvales | Ulvellaceae |
| <i>Erythrocladia irregularis</i> Rosenv. | red seaweed | | | Erythrocptidiales | Erythrocptidiales |
| <i>Erythroglossum undulatissimum</i> (J.Agardh) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Erythrotrichia bangioides</i> Levring | red seaweed | OL | | Erythrocptidiales | Erythrotchiaceae |
| <i>Erythrotrichia carnea</i> (Dillwyn) J.Agardh | red seaweed | | | Erythrocptidiales | Erythrotchiaceae |
| <i>Erythrotrichia foliiformis</i> South & N.M.Adams | red seaweed | | | Erythrocptidiales | Erythrotchiaceae |
| <i>Erythrotrichia hunterae</i> N.L.Gardner | red seaweed | OL | | Erythrocptidiales | Erythrotchiaceae |
| <i>Eugomontia sacculata</i> Kornmann | green seaweed | | | Ulotrichales | Gomontiaceae |
| <i>Eugomontia stelligera</i> R.Nielsen | green seaweed | | | Ulotrichales | Gomontiaceae |
| <i>Feldmannia indica</i> (Sond.) Womersley & A.Bailey | brown seaweed | | | Ectocarpales | Acinetosporaceae |
| <i>Feldmannia irregularis</i> (Kütz.) Hamel | brown seaweed | | | Ectocarpales | Acinetosporaceae |
| <i>Gayliella flaccida</i> (Harv. ex Kütz.) T.O.Cho & L.J.Mclvor | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Gayralia oxyperma</i> (Kütz.) K.L.Vinog. ex Scagel et al. | green seaweed | | | Ulotrichales | Gayraliaceae |
| <i>Gelidium hommersandii</i> A.J.K.Millar & D.W.Freshwater | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Gelidium isabelae</i> W.R.Taylor | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Gelidium microphyllum</i> (Crosby-Sm.) Kylin | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Gemina clavata</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Gemina enteromorphoidea</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Gemina letterstedtoidea</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Gemina ulvoidea</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Geminocarpus geminatus</i> (Hook.f. & Harv.) Skottsb. | brown seaweed | | | Ectocarpales | Acinetosporaceae |

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| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|-------------------|-----------|------------|------------------|--------------------|
| <i>Gigartina minuta</i> V.J.Chapm. | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Giraudyopsis stellifera</i> P.J.L.Dang. | golden-brown alga | SO | | Chrysomeridales | Chrysomeridaceae |
| <i>Glaphyrosiphon aucklandicus</i> (Mont.) W.A.Nelson, S.Y.Kim & S.M.Boo | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Glaphyrymenia pustulosa</i> J.Agardh | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Gloiocolax novae-zelandiae</i> Sparling | red seaweed | | | Rhodymeniales | Faucheaceae |
| <i>Gloiodermatopsis setchellii</i> Lindauer | red seaweed | | | Rhodymeniales | Faucheaceae |
| <i>Gomontia polyrhiza</i> (Lagerh.) Bornet & Flahault | green seaweed | | | Ulotrichales | Gomontiaceae |
| <i>Gonimophyllum insulare</i> Wagner | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Gracilaria pulvinata</i> Skottsb. | red seaweed | | | Gracilariales | Gracilariaeae |
| <i>Gratelouphia longifolia</i> Kylin | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Griffithsia monilis</i> Harv. | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Griffithsia teges</i> Harv. | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Gymnothamnion elegans</i> (Schousboe) J.Agardh | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Halopeltis australis</i> (J.Agardh) G.W.Saunders | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Harveylithon rupestre</i> (Foslie) A.Rössler, Perfectti, V.Peña & J.C.Braga | red seaweed | | | Corallinales | Corallinaceae |
| <i>Harveylithon samoense</i> (Foslie) A.Rössler, Perfectti, V.Peña & J.C.Braga | red seaweed | | | Corallinales | Corallinaceae |
| <i>Hecatonema stewartense</i> V.J.Chapm. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Helminthocladia australis</i> Harv. | red seaweed | | | Nemaliales | Liagoraceae |
| <i>Helminthocladia densa</i> (Harv.) F.Schmitz & Hauptfl. | red seaweed | | | Nemaliales | Liagoraceae |
| <i>Helminthocladia dotyi</i> Womersley | red seaweed | | | Nemaliales | Liagoraceae |
| <i>Helminthora australis</i> J.Agardh ex Levring | red seaweed | | | Nemaliales | Liagoraceae |
| <i>Helminthora lindaueri</i> Desikachary | red seaweed | | | Nemaliales | Liagoraceae |
| <i>Herpodiscus bracteatus</i> (Reinke) Draisma, Prud'homme & H.Kawai | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Herpodiscus implicatus</i> (Sauv.) Draisma, Prud'homme & H.Kawai | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Herpodiscus pulvinatus</i> (Hook.f. & Harv.) Draisma, Prud'homme & H.Kawai | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Herpodiscus spurius</i> (Sauv.) Draisma, Prud'homme & H.Kawai | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Herpodiscus stewartensis</i> (Lindauer) Draisma, Prud'homme & H.Kawai | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Herponema hormosirae</i> Lindauer & V.J.Chapm. | brown seaweed | | | Ectocarpales | Acinetosporaceae |
| <i>Herponema maculaeforme</i> (J.Agardh) Laing | brown seaweed | | | Ectocarpales | Acinetosporaceae |
| <i>Herposiphonia ceratoclada</i> (Mont.) Reinbold | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Herposiphonia clavata</i> M.J.Wynne | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Herposiphonia secunda</i> f. <i>tenella</i> (C. Agardh) M.J.Wynne | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Heteroderma jugatum</i> (Foslie) De Toni | red seaweed | | | Corallinales | Corallinaceae |
| <i>Heterosiphonia punicea</i> (Mont.) Kylin | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Heydrichia homalopasta</i> R.A.Towns. & Borow. | red seaweed | | | Sporolithales | Sporolithaceae |
| <i>Heydrichia woelkerlingii</i> R.A.Towns., Y.M.Chamb. & Keats | red seaweed | | | Sporolithales | Sporolithaceae |
| <i>Hildenbrandia dawsonii</i> (Ardre) Hollenb. | red seaweed | | | Hildenbrandiales | Hildenbrandiaceae |
| <i>Hildenbrandia kerguelensis</i> (Askenasy) Y.M.Chamb. | red seaweed | | | Hildenbrandiales | Hildenbrandiaceae |
| <i>Hildenbrandia lecannellieri</i> Har. | red seaweed | | | Hildenbrandiales | Hildenbrandiaceae |
| <i>Hummbrella hydra</i> S.A.Earle | red seaweed | | | Plocamiales | Pseudoanemoniaceae |
| <i>Hydrolithon farinosum</i> (J.V.Lamour.) Penrose & Y.M.Chamb. | red seaweed | | | Corallinales | Corallinaceae |

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| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------------|-----------|------------|-------------------|----------------------|
| <i>Hymenena affinis</i> (Harv.) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Hymenena curdieana</i> (Harv.) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Hymenena durvillaei</i> (Bory) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Hymenena harveyana</i> (J.Agardh) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Hymenena multipartita</i> (Hook.f & Harv.) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Hymenena palmata</i> (Harv.) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Hymenopsis heterophylla</i> Showe M.Lin, W.A.Nelson & Hommers. | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Hypnea charoides</i> J.V.Lamour. | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Hypnea esperi</i> Bory | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Hypnea nidifica</i> J.Agardh | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Iridaea lanceolata</i> Harv. | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Iridaea tuberculosa</i> (Hook.f. & Harv.) Leister | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Jania affinis</i> Harv. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Jania crassa</i> J.V.Lamour. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Jania novae-zelandiae</i> Harv. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Jania pistillaris</i> Mont. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Judithia parasitica</i> M.Preuss & Zuccarello | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Kumanoa virgato-decaisneana</i> (Sirodot) Entwistle, M.L.Vis, W.B.Chaisson, Necchi & A.R.Sherwood | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Laingia hookeri</i> (Lyall) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Laminariocolax macrocystis</i> (A.F.Peters) A.F.Peters | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Laurencia bringniartii</i> J.Agardh | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Laurencia gracilis</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Leathesia intermedia</i> V.J.Chapm. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Leathesia novae-zelandiae</i> Lindauer | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Lembergia allanii</i> (Lindauer) Saenger | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Letterstedtia insignis</i> Aresch. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Letterstedtia stipita</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Letterstedtia ulvoidea</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Lithophyllum carpophylli</i> (Heydr.) Heydr. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithophyllum corallinae</i> (P.Crouan & H.Crouan) Heydr. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithophyllum detrusum</i> Foslie | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithophyllum johansenii</i> Woelk. & S.J.Campb. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithophyllum prototypum</i> (Foslie) Foslie | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithophyllum pustulatum</i> (J.V.Lamour.) Foslie | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithophyllum riosmenae</i> A.Harv. & Woelk. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithophyllum stictaeforme</i> (Aresch.) Hauck | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithophyllum tuberculatum</i> Foslie | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithoporella melobesioides</i> (Foslie) Foslie | red seaweed | | | Corallinales | Corallinaceae |
| <i>Lithothamnion crispatum</i> Hauck | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Lithothamnion muelleri</i> Lenorm. ex Rosanoff | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Lithothamnion proliferum</i> Foslie | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Lobata foliosa</i> V.J.Chapm. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Lomentaria caespitosa</i> (Harv.) V.J.Chapm. & Dromgoole | red seaweed | | | Rhodymeniales | Lomentariaceae |
| <i>Lomentaria saxigena</i> V.J.Chapm. & Dromgoole | red seaweed | | | Rhodymeniales | Lomentariaceae |
| <i>Lomentaria secunda</i> (Hook.f. & Harv.) V.J.Chapm. & Dromgoole | red seaweed | | | Rhodymeniales | Lomentariaceae |

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| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------------|-----------|------------|-------------------|----------------------|
| <i>Lomentaria umbellata</i> (Hook.f. & Harv.) Yendo | red seaweed | | | Rhodymeniales | Lomentariaceae |
| <i>Lophosiphonia prostrata</i> (Harv.) Falkenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Lophurella periclados</i> (Sond.) F.Schmitz | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Lysithea adamsiae</i> (W.A.Nelson) W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Marionella prolifera</i> (Kylin) Wagner | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Mastophora pacifica</i> (Heydr.) Foslie | red seaweed | | | Corallinales | Corallinaceae |
| <i>Mediothamnion norrisii</i> Gordon-Mills | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Melanothamnus apiculatus</i> (Hollenb.) Diaz-Tapia & Maggs | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Melanothamnus hancockii</i> (E.Y.Dawson) Diaz-Tapia & Maggs | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Melobesia leptura</i> Foslie | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Melobesia membranacea</i> (Esper) J.V.Lamour. | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Melobesia rosanoffii</i> (Foslie) M.Lemoine | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Mesophyllum engelhartii</i> (Foslie) W.H.Adey | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Mesophyllum erubescens</i> (Foslie) M.Lemoine | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Mesophyllum incisum</i> (Foslie) W.H.Adey | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Mesophyllum insigne</i> (Foslie) W.H.Adey | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Mesophyllum macroblastum</i> (Foslie) W.H.Adey | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Mesophyllum printzianum</i> Woelk. & A.Harv. | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Microcladia novae-zelandiae</i> J.Agardh | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Microcladia pinnata</i> J.Agardh | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Microcolax botryocarpus</i> (Hook.f. & Harv.) F.Schmitz | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Microspongium stizophorae</i> (P.L.Crouan & H.M.Crouan) Cormaci & G.Furnari | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Microzonia velutina</i> (Harv.) J.Agardh | brown seaweed | | | Syringodermatales | Syringodermataceae |
| <i>Mikrosyphar pachymeniae</i> Lindauer | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Monostroma antarcticum</i> V.J.Chapm. | green seaweed | | | Ulotrichales | Monostromataceae |
| <i>Monostroma latissimum</i> Wittr. | green seaweed | | | Ulotrichales | Monostromataceae |
| <i>Monostroma lindaueri</i> V.J.Chapm. | green seaweed | | | Ulotrichales | Monostromataceae |
| <i>Monostroma moorei</i> V.J.Chapm. | green seaweed | | | Ulotrichales | Monostromataceae |
| <i>Monostroma nitidum</i> Wittr. | green seaweed | | | Ulotrichales | Monostromataceae |
| <i>Monostroma pacificum</i> V.J.Chapm. | green seaweed | | | Ulotrichales | Monostromataceae |
| <i>Monostroma parvum</i> V.J.Chapm. | green seaweed | | | Ulotrichales | Monostromataceae |
| <i>Myriophyllum compactum</i> Lindauer | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Myriotrichia adriatica</i> Hauck | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Nemacystus novae-zelandiae</i> Kylin | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Nemalion elminthoides</i> (Velley) Batters | red seaweed | | | Nemaliales | Nemaliaceae |
| <i>Nemastoma laciniata</i> J.Agardh | red seaweed | | | Nemastomatales | Nemastomataceae |
| <i>Neogoniolithon brassica-florida</i> (Harv.) Setch. & L.R.Mason | red seaweed | | | Corallinales | Corallinaceae |
| <i>Neostromatella monostromatica</i> M.J.Wynne, G.Furnari & R.Nielsen | green seaweed | | | Ulvales | Kornmanniaceae |
| <i>Nesophila hoggardi</i> W.A.Nelson & N.M.Adams | red seaweed | | | Gigartinales | Rhizophyllidaceae |
| <i>Nocturama antipodites</i> (Entwistle) Entwistle & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Nothocladus burrelli</i> var. <i>campyloclonus</i> (Entwistle & Foard) Entwistle & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Nothocladus discors</i> (Entwistle & Foard) Entwistle & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Nothocladus kraftii</i> (Entwistle & Foard) Entwistle & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |

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Data Deficient continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------------|-----------|------------|----------------------------|----------------------------|
| <i>Nothocladus lindaueri</i> Skuja | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Nothocladus pseudogelatinosus</i> (Entwistle & Foard) Entwistle & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Nothocladus terawhiticus</i> (Entwistle & Foard) Entwistle & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Nothocladus theaquaus</i> (Entwistle & Foard) Entwistle & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Nothogenia fastigiata</i> (Bory) P.G.Parkinson | red seaweed | | | Nemaliales | Scinaiaceae |
| <i>Nothogenia pseudosaccata</i> (Levring) P.G.Parkinson | red seaweed | | | Nemaliales | Scinaiaceae |
| <i>Nothogenia pulvinata</i> (Levring) P.G.Parkinson | red seaweed | | | Nemaliales | Scinaiaceae |
| <i>Nothogenia variolosa</i> (Mont.) Mont. | red seaweed | | | Nemaliales | Scinaiaceae |
| <i>Ochlochaete hystrix</i> Thwaites ex Harv. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ochmapexus minimus</i> (Harv.) Womersley | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Ostreobium quekettii</i> Bornet & Flahault | green seaweed | | | Bryopsidales | Ostreobiaceae |
| <i>Ottia meiospora</i> (Skuja) Entwistle, J.R.Evans, M.L.Vis & G.W.Saunders | red freshwater alga | | | Acrochaetales | Ottiaceae |
| <i>Ovillaria catenata</i> R.Nielsen | green seaweed | | | Chlorophyta incertae sedis | Chlorophyta incertae sedis |
| <i>Padina australis</i> Hauck | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Padina fraseri</i> (Grev.) Grev. | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Palmaria decipiens</i> (Reinsch) R.W.Ricker | red seaweed | | | Palmariales | Palmariaeae |
| <i>Paraglossum crassinervium</i> (Mont.) Showe M.Lin, Fredericq & Hommers. | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Paraglossum nereifolium</i> (Harv. Showe M.Lin, Fredericq & Hommers. | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Perithamnion ceramoides</i> J.Agardh | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Perplexiramosus clintonii</i> W.A.Nelson & D'Archino | red seaweed | | | Gigartinales | Furcellariaceae |
| <i>Perrinia ericoides</i> (Harv.) Womersley | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Petalonia fascia</i> (O.F.Müll.) Kuntze | brown seaweed | | | Ectocarpales | Scytosiphonaceae |
| <i>Peyssonnelia boudouresquei</i> Yonesh. | red seaweed | | | Peyssonneliales | Peyssonneliaceae |
| <i>Peyssonnelia novae-hollandiae</i> Kütz. | red seaweed | | | Peyssonneliales | Peyssonneliaceae |
| <i>Peyssonnelia rugosa</i> Harv. | red seaweed | | | Peyssonneliales | Peyssonneliaceae |
| <i>Phacelocarpus labillardierei</i> V.J.Chapm. var. <i>novae-zelandiae</i> | red seaweed | | | Gigartinales | Phacelocarpaceae |
| <i>Phacelocarpus sessilis</i> Harv. ex J.Agardh | red seaweed | | | Gigartinales | Phacelocarpaceae |
| <i>Phaeophila dendroides</i> (P.Crouan & H.Crouan) Batters | green seaweed | | | Ulvales | Phaeophilaceae |
| <i>Phytymopora linearis</i> (Laing) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Phycodrys adamsiae</i> Showe M.Lin & W.A.Nelson | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Phycodrys franiae</i> Showe M.Lin & W.A.Nelson | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Phycodrys novae-zelandiae</i> Showe M.Lin & W.A.Nelson | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Phycodrys novae-zelandiaeephila</i> M.Preuss & Zuccarello | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Phymatolithon repandum</i> (Foslie) Wilks & Woelk. | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Pilinia novae-zelandiae</i> (V.J.Chapm.) Pappenf. & Fan ex Pappenf. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Pilinia rimosa</i> Kütz. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Placophora binderi</i> (J.Agardh) J.Agardh | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Platoma novae-zelandiae</i> D'Archino & W.A.Nelson | red seaweed | | | Nemastomatales | Schizymeniaceae |
| <i>Plocamium angustum</i> (J.Agardh) Hook.f. & Harv. | red seaweed | | | Plocamiales | Plocamiaceae |
| <i>Plocamium cartilagineum</i> (L.) P.S.Dixon | red seaweed | | | Plocamiales | Plocamiaceae |

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Data Deficient continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------------|------------|------------|-------------------|-----------------------|
| <i>Plocamium cirrhosum</i> (Turner) M.J.Wynne | red seaweed | | | Plocamiales | Plocamiaceae |
| <i>Plocamium hamatum</i> J.Agardh | red seaweed | | | Plocamiales | Plocamiaceae |
| <i>Plocamium leptophyllum</i> Kütz. | red seaweed | | | Plocamiales | Plocamiaceae |
| <i>Plocamium microcladioides</i> South & N.M.Adams | red seaweed | | | Plocamiales | Plocamiaceae |
| <i>Pneophyllum coronatum</i> (Rosanoff) Penrose | red seaweed | | | Corallinales | Corallinaceae |
| <i>Pneophyllum fragile</i> Kütz. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Polysiphonia abscissoides</i> Womersley | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Polysiphonia adamsiae</i> Womersley | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Polysiphonia pernacola</i> N.M.Adams | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Polysiphonia rufa</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Polysiphonia scopulorum</i> Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Porolithon improcerum</i> (Foslie & M.Howe) M.Howe | red seaweed | | | Corallinales | Corallinaceae |
| <i>Porolithon onkodes</i> (Heydr.) Foslie | red seaweed | | | Corallinales | Corallinaceae |
| <i>Porphyra woolhousiae</i> Harv. | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyridium purpureum</i> (Bory) K.M.Drew & R.Ross | red seaweed | SO | | Porphyridiales | Porphyridiaceae |
| <i>Prasiola crispa</i> (Lightf.) Kütz. | green seaweed | RR, SO, Sp | | Prasiolales | Prasiolaceae |
| <i>Prasiola delicata</i> Setch. & N.L.Gardner | green seaweed | | | Prasiolales | Prasiolaceae |
| <i>Prasiola delicatula</i> V.J.Chapm. | green seaweed | | | Prasiolales | Prasiolaceae |
| <i>Prasiola snareana</i> V.J.Chapm. | green seaweed | IE | | Prasiolales | Prasiolaceae |
| <i>Prasiola stipitata</i> Suhr ex Jess. | green seaweed | RR | | Prasiolales | Prasiolaceae |
| <i>Predaea rosa</i> W.A.Nelson | red seaweed | | | Nemastomatales | Nemastomataceae |
| <i>Prionitis decipiens</i> (Mont.) J.Agardh | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Pseudobryopsis planktonica</i> Cassie | green seaweed | OL | | Bryopsidales | Bryopsidaceae |
| <i>Pseudolithoderma roscoffense</i> Loiseaux | brown seaweed | | | Sphaerariales | Lithodermataceae |
| <i>Psilosiphon scoparius</i> Entwistle | red freshwater alga | OL, TO | | Batrachospermales | Batrachospermataceae |
| <i>Pterocladiophila hemisphaerica</i> K.C.Fan & Papenf. | red seaweed | | | Gracilariales | Pterocladiophyllaceae |
| <i>Pterosiphonia pennata</i> (C.Agardh) Sauv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Pterothamnion antarcticum</i> (Kylin) Moe & P.C.Silva | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Pterothamnion confusum</i> (J.Agardh) Athanas. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Pterothamnion simile</i> (Hook.f. & Harv.) Nageli | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ptilothamnion rupicola</i> Gordon-Mills | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Ptilothamnion schmitzii</i> Heydr. | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Pylaiella littoralis</i> (L.) Kjellm. | brown seaweed | | | Ectocarpales | Acinetosporaceae |
| <i>Pyropia columbina</i> (Mont.) W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia francisii</i> W.A.Nelson & D'Archino | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia pulchella</i> (Ackland, J.A.West, J.L.Scott & Zuccarello) T.J.Farr & J.E.Sutherl. | red seaweed | | | Bangiales | Bangiaceae |
| <i>Ralfsia verrucosa</i> (Aresch.) Aresch. | brown seaweed | | | Ralfsiales | Ralfsiaceae |
| <i>Rhododrewia porphyrae</i> (K.M.Drew) S.L.Clayden & G.W.Saunders | red seaweed | | | Acrochaetales | Acrochaetiaceae |
| <i>Rhodoglossum latissimum</i> (Hook.f. & Harv.) J.Agardh | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Rhodophyllis lacerata</i> Hook.f. & Harv. | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Rhodymenia dichotoma</i> Hook.f. & Harv. | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rhodymenia hancockii</i> E.Y.Dawson | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rhodymenia leptophylla</i> J.Agardh | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rhodymenia linearis</i> J.Agardh | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rhodymenia novaehollandica</i> G.W.Saunders | red seaweed | | | Rhodymeniales | Rhodymeniaceae |

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| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------------|-----------|------------|--------------------|----------------------|
| <i>Rhodymenia novazelandica</i> E.Y.Dawson | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rhodymenia obtusa</i> (Grev.) Womersley | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rhodymenia palmipedata</i> Dawson | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rhodymenia wilsonis</i> (Sond.) G.W.Saunders | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rosenvingiella polyrhiza</i> (Rosenv.) P.C.Silva | green seaweed | | | Prasiolales | Prasiolaceae |
| <i>Rosenvingiella tasmanica</i> M.Moriz, Rindi & Guiry | green seaweed | S?O | | Prasiolales | Prasiolaceae |
| <i>Rosenvingiella loppis</i> (Setch. & N.L.Gardner) Heesch, M.Pazoutová & Rindi | green seaweed | S?O | | Prasiolales | Prasiolaceae |
| <i>Sahlingia subintegra</i> (Rosenv.) Kornmann | red seaweed | | | Erythrocystidiales | Erythrocystidiaceae |
| <i>Sarcodia grandifolia</i> Levring | red seaweed | | | Plocamiales | Sarcodiaceae |
| <i>Sarcothalia circumcincta</i> (J.Agardh) Hommers. | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Sargassum aquifolium</i> (Turner) C.Agardh | brown seaweed | | | Fucales | Sargassaceae |
| <i>Sargassum ilicifolium</i> (Turner) C.Agardh | brown seaweed | | | Fucales | Sargassaceae |
| <i>Schizoseris hymenena</i> (Zanardini) Womersley | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Schizymenia novae-zelandiae</i> J.Agardh | red seaweed | | | Nemastomatales | Schizymeniaceae |
| <i>Schmitzia evanescens</i> M.W.Hawkes | red seaweed | | | Gigartinales | Calosiphoniaceae |
| <i>Scinaia acuta</i> M.J.Wynne | red seaweed | | | Nemaliales | Scinaeaceae |
| <i>Scinaia berggrenii</i> (Levring) Huisman | red seaweed | | | Nemaliales | Scinaeaceae |
| <i>Scinaia firma</i> Levring | red seaweed | | | Nemaliales | Scinaeaceae |
| <i>Sebdenia lindaueri</i> Setchell ex V.J.Chapm. | red seaweed | OL | | Sebdeniales | Sebdeniaceae |
| <i>Setacea atra</i> (Hudson) Necchi & Rossignolo | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Sheathia arcuata</i> (Kylin) Salomaki & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Sheathia boryana</i> (Sirodot) Salomaki & M.L.Vis | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Sirodotia delicatula</i> Skuja | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Sirodotia suecica</i> Kylin | red freshwater alga | | | Batrachospermales | Batrachospermataceae |
| <i>Skeletonella nelsoniae</i> A.Millar & De Clerck | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Solieria robusta</i> (Grev.) Kylin | red seaweed | | | Gigartinales | Solieriaceae |
| <i>Sphacelaria brachygona</i> Mont. | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Sphacelaria limicola</i> Lindauer | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Sphacelaria rigidula</i> Kütz. | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Sphacelaria solitaria</i> (Pringsheim) Kylin | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Sphacelaria tribuloides</i> Menegh. | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Spongites tunicatus</i> Penrose | red seaweed | | | Corallinales | Corallinaceae |
| <i>Spongites yendoi</i> (Foslie) Y.M.Chamb. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Spongoclonium brownianum</i> (Harv.) J.Agardh | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Spongoclonium pastorale</i> Laing | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Spongomerpha pacifica</i> (Mont.) Kütz. | green seaweed | | | Ulotrichales | Ulotrichaceae |
| <i>Sporochnus apodus</i> Harv. | brown seaweed | | | Sporochnales | Sporochnaceae |
| <i>Sporochnus elsieae</i> Lindauer | brown seaweed | | | Sporochnales | Sporochnaceae |
| <i>Sporochnus moorei</i> Harv. | brown seaweed | | | Sporochnales | Sporochnaceae |
| <i>Sporochnus rostratus</i> W.R.Taylor | brown seaweed | | | Sporochnales | Sporochnaceae |
| <i>Sporochnus stylosus</i> Harv. | brown seaweed | | | Sporochnales | Sporochnaceae |
| <i>Sporocladopsis novae-zelandiae</i> V.J.Chapm | green seaweed | | | Chaetophorales | Incertae sedis |
| <i>Sporoglossum lophurellae</i> Kylin | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Sporolithon durum</i> (Foslie) R.A.Towns. & Woelk. | red seaweed | | | Sporolithales | Sporolithaceae |
| <i>Spyridia dasyoides</i> Sond. | red seaweed | | | Ceramiales | Spyridiaceae |
| <i>Spyridia filamentosa</i> (Wulfen) Harv. | red seaweed | | | Ceramiales | Spyridiaceae |
| <i>Stylonema alsidii</i> (Zanardin) K.M.Drew | red seaweed | | | Stylonematales | Stylonemataceae |

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| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------|-----------|------------|---------------|-----------------|
| <i>Synarthrophyton patena</i> (Hook.f. & Harv.) R.A.Towns. | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Synarthrophyton schielianum</i> Woelk. & M.S.Foster | red seaweed | | | Hapalidiales | Hapalidiaceae |
| <i>Syncoryne reinkei</i> R.Nielsen & P.M.Pedersen | green seaweed | | | Ulvales | Ulvellaceae |
| <i>Taenioma nanum</i> (Kütz.) Papenf. | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Taylororophycus filiformis</i> Searles | red seaweed | | | Gigartinales | Caulacanthaceae |
| <i>Trematocarpus acicularis</i> (J.Agardh) Kylin | red seaweed | | | Plocamiales | Sarcodiaceae |
| <i>Trithamnion vulgare</i> E.M.Woll. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Tsengia laingii</i> (Kylin) Womersley & Kraft | red seaweed | | | Halymeniales | Tsengiaceae |
| <i>Ulothrix flacca</i> (Dillwyn) Thur. | green seaweed | | | Ulotrichales | Ulotrichaceae |
| <i>Ulothrix novae-zelandiae</i> V.J.Chapm. | green seaweed | | | Ulotrichales | Ulotrichaceae |
| <i>Ulothrix subflaccida</i> Wille | green seaweed | | | Ulotrichales | Ulotrichaceae |
| <i>Ulva linza</i> L. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva prolifera</i> O.F.Mull. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva ralfsii</i> (Harv.) Le Jol. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva rigida</i> C.Agardh | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulvella cingens</i> (Setch. & N.L.Gardner) R.Nielsen, C.J.O'Kelly & B.Wysor | green seaweed | | | Ulvales | Ulvellaceae |
| <i>Ulvella endostraca</i> (R.Nielsen) R.Nielsen, C.J.O'Kelly & B.Wysor | green seaweed | | | Ulvales | Ulvellaceae |
| <i>Ulvella testarum</i> (Kylin) R.Nielsen, C.J.O'Kelly & B.Wysor | green seaweed | | | Ulvales | Ulvellaceae |
| <i>Ulvella viridis</i> (Reinke) R.Nielsen, C.J.O'Kelly & B.Wysor | green seaweed | | | Ulvales | Ulvellaceae |
| <i>Urospora penicilliformis</i> (Roth) Aresch. | green seaweed | | | Ulotrichales | Ulotrichaceae |
| <i>Vaucheria longicaulis</i> Hopppaugh | brown seaweed | | | Vaucheriales | Vaucheraceae |
| <i>Vaucheria pseudosessilis</i> V.J.Chapm. | brown seaweed | | | Vaucheriales | Vaucheraceae |
| <i>Vaucheria sessilis</i> (Vaucher) DC. | brown seaweed | | | Vaucheriales | Vaucheraceae |
| <i>Vaucheria synandra</i> Woronin | brown seaweed | | | Vaucheriales | Vaucheraceae |
| <i>Vaucheria velutina</i> C.Agardh | brown seaweed | | | Vaucheriales | Vaucheraceae |
| <i>Weberianossea tasmanensis</i> Womersley | red seaweed | | | Rhodymeniales | Faucheaceae |
| <i>Willeella montagneana</i> (Kütz.) Boedeker | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Wrangelia penicillata</i> (C.Agardh) C.Agardh | red seaweed | | | Ceramiales | Wrangeliaceae |
| Taxonomically unresolved (141) | | | | | |
| <i>Acrosorium</i> sp. A (WELT A012450; Kermadec Is) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Acrothamnion</i> sp. A (CHR 64248; sensu Nelson et al. 1991) | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Antithamnion</i> sp. A (WELT A016045; Kermadec Is) | red seaweed | | | Ceramiales | Ceramiaceae |
| " <i>Bangia</i> 1" sp. A (WELT A026705; BCH sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| " <i>Bangia</i> 1" sp. B (WELT A026701; BFK sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| " <i>Bangia</i> 1" sp. C (WELT A026704; BMW sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| " <i>Bangia</i> 1" sp. D (WELT A026690; BNS sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| " <i>Bangia</i> 1" sp. E (WELT A023907; BRM sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| " <i>Bangia</i> 1" sp. F (WELT A026696; BWP sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| " <i>Bangia</i> 2" sp. A (WELT A026700; BGA sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |

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Data Deficient continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------|-----------|------------|---------------|---------------------------|
| " <i>Bangia</i> 2" sp. B (WELT A023133; BPL sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| " <i>Bangia</i> 3" sp. A (WELT A026691; BHH sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| " <i>Bangia</i> 3" sp. B (WELT A025571; BJB sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Callithamnion</i> sp. A (WELT A019476; sensu Nelson et al. 1991) | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Callithamnion</i> sp. B (WELT A012498; Kermadec Is) | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Champiocolax</i> sp. A (WELT A018631/A; on <i>C. chathamensis</i>) | red seaweed | | | Rhodymeniales | Champiaceae |
| <i>Chondria</i> sp. A (WELT A012540; Kermadec Is) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Chondria</i> sp. B (WELT A012550; Kermadec Is) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Chrysymenia?</i> <i>polydactyla</i> Hook.f. & Harv. | red seaweed | OL | | Rhodymeniales | Rhodymeniaceae |
| <i>Cladophora</i> sp. A (WELT A020118; cf. <i>crinalis</i>) | green seaweed | | | Cladophorales | Cladophoraceae |
| " <i>Cladophora</i> " sp. A (WELT A012038; cf. <i>hawaiiana</i>) | green seaweed | | | Cladophorales | Siphonocladus clade |
| " <i>Cladophora</i> " sp. B (WELT A012056; cf. <i>socialis</i>) | green seaweed | | | Cladophorales | Siphonocladus clade |
| Cladophoraceae " <i>Rhizoclonium</i> " <i>ambiguum</i> (Hook.f. & Harv.) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| Cladophoraceae " <i>Rhizoclonium</i> " species complex | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Cladostephus</i> sp. A. (ASM303; southern) | brown seaweed | | | Sphaelariales | Cladostephaceae |
| <i>Clymene</i> sp. A (WELT A023912; OTA sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Codium</i> sp. A (WELT A011766; cf. <i>bursa</i>) | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Colacodasya</i> sp. A (CHR316964; sensu Hay et al. 1985) | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Corallina</i> sp. A (WELT A029058; spacer 2 sensu Farr et al. 2009) | red seaweed | | | Corallinales | Corallinaceae |
| <i>Corallina</i> sp. B (WELT A029067; spacer 4 sensu Farr et al. 2009) | red seaweed | | | Corallinales | Corallinaceae |
| <i>Corallina</i> sp. C (WELT A029074; spacer 6 sensu Farr et al. 2009) | red seaweed | | | Corallinales | Corallinaceae |
| Corallinaceae incertae sedis sp. A (WELT A012646; " <i>Lithophyllum</i> " Kermadec Is) | red seaweed | | | Corallinales | Corallinaceae |
| Corallinaceae incertae sedis sp. B (WELT A012647; " <i>Lithophyllum</i> " Kermadec Is) | red seaweed | | | Corallinales | Corallinaceae |
| <i>Crouania</i> sp. A (WELT A012476; cf. <i>capricornica</i>) | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Crouania</i> sp. B (WELT A025839; southern) | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Cryptonemia</i> sp. A (WELT A009510; Kermadec Is) | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Cryptonemia</i> sp. B (WELT A014329; subantarctic) | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Cryptonemia</i> sp. C (WELT A012383; cf. <i>umbraticola</i>) | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Dictyota</i> sp. A (WELT A004068; Kermadec Is) | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dictyota</i> sp. B (WELT A009526; Kermadec Is) | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Dictyota</i> sp. C (WELT A010418; Manawatāwhi) | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Diplura</i> sp. A (Buchanan RV16; Wellington) | brown seaweed | | | Ishigeales | Ishigeales incertae sedis |
| <i>Distromium</i> sp. A (WELT A012139; Kermadec Is) | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Echinothamnion</i> sp. A (WELT A006565; sensu Adams 1994) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Erythroglossum</i> sp. A (WELT A010172; subantarctic sensu Adams 1994) | red seaweed | | | Ceramiales | Delesseriaceae |

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Data Deficient continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------|-----------|------------|------------------|------------------------|
| Faucheaceae sp. A (WELT A012373; Kermadec Is) | red seaweed | | | Rhodymeniales | Faucheaceae |
| Fucales gen. nov. sp. A (WELT A017833; Whangarei) | brown seaweed | | | Fucales | Fucales incertae sedis |
| "Gigartina" <i>ancistroclada</i> Mont. | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Gigartina</i> sp. B (WELT A009482; subantarctic) | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Gracilaria</i> sp. B (WELT A009500; Kermadec Is) | red seaweed | | | Gracilariales | Gracilariaeae |
| <i>Grateloupia</i> sp. A (WELT A018595; Wanganella) | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Grateloupia</i> sp. B (WELT A019449; Chatham Is) | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Helminthocladia</i> sp. A (WELT A007987; sensu Adams 1994) | red seaweed | | | Nemaliales | Liagoraceae |
| <i>Herposiphonia</i> sp. A (WELT A014004; Manawatāwhi) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Heterosiphonia</i> sp. A (WELT A012586; Kermadec Is) | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Hildenbrandia</i> sp. A (WELT A016451; subantarctic) | red seaweed | | | Hildenbrandiales | Hildenbrandiaceae |
| <i>Hildenbrandia</i> sp. B (WELT A012701; Kermadec Is) | red seaweed | | | Hildenbrandiales | Hildenbrandiaceae |
| <i>Hypoglossum</i> sp. A (WELT A012433; Kermadec Is) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Iridaea</i> sp. A (WELT A007834; subantarctic) | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Janczewskia</i> sp. A (WELT A017700; Chatham Is) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Jania</i> sp. B (WELT A029085; rosea/feathery sensu Farr et al. 2009) | red seaweed | | | Corallinales | Corallinaceae |
| <i>Jania</i> sp. D (WELT A012599; Kermadec Is) | red seaweed | | | Corallinales | Corallinaceae |
| <i>Jania</i> sp. I (WELT A012610/B; Kermadec Is) | red seaweed | | | Corallinales | Corallinaceae |
| <i>Laurencia</i> sp. A (WELT A012566; Kermadec Is) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Laurencia</i> sp. B (WELT A009508; Kermadec Is) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Liagora</i> sp. A (WELT A032240; Kermadec Is) | red seaweed | | | Nemaliales | Liagoraceae |
| <i>Lophosiphonia</i> sp. A (WELT A007374; southern) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Martensia</i> sp. A (WELT A012444; Kermadec Is) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Melanthalia</i> sp. A (WELT A032295; southern sensu Nelson et al. 2013) | red seaweed | | | Gracilariales | Gracilariaeae |
| <i>Melanthalia</i> sp. B (WELT A032412; Northland sensu Nelson et al. 2013) | red seaweed | | | Gracilariales | Gracilariaeae |
| <i>Microcladia</i> sp. A (WELT A016648; sensu Adams 1994) | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Myriogramme</i> sp. A (WELT A008219; sensu Adams 1994) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Nitophyllum</i> sp. A (WELT A011677; sensu Adams 1994) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Peyssonnelia</i> sp. A (WELT A002279; Poor Knights) | red seaweed | | | Peyssonneliales | Peyssonneliaceae |
| <i>Peyssonnelia</i> sp. B (WELT A012666; Kermadec Is) | red seaweed | | | Peyssonneliales | Peyssonneliaceae |
| <i>Phycodrys</i> sp. A (WELT A012704; Kermadec Is) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Placophora</i> sp. A (WELT A022593; sensu Adams 1994) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Platyclinia</i> sp. A (WELT A004126; <i>purpurea</i> sensu Adams 1994) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Platyclinia</i> sp. B (WELT A010784; sensu Adams 1994) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Platythamnion</i> sp. A (WELT A004030; sensu Adams 1994) | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Plocamiocolax</i> sp. A (WELT A031387; Whangarei) | red seaweed | | | Plocamiales | Plocamiaceae |
| <i>Plocamium</i> sp. A (WELT A011729; sensu Adams 1994) | red seaweed | | | Plocamiales | Plocamiaceae |

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Data Deficient continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------|-----------|------------|----------------|-----------------|
| <i>Polyopes</i> sp. A (ANZE 345; sensu Lindauer in Chapman & Parkinson 1974) | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Polysiphonia</i> sp. A (WELT A008107; sensu Adams 1994) | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Porphyra</i> sp. A (WELT A023966; GDM sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. B (WELT A024046; GRB108 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. C (WELT A026699; GRB145 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. D (WELT A023985; GRB178 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. E (WELT A024018; GRB287 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. F (WELT A024034; GRB368 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. G (WELT A026693; GRB488 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. H (WELT A022365; LGD030 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. I (WELT A024042; MTR sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. J (WELT A024038; OSK sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. K (WELT A024402; SBA sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. L (WELT A024023; SIR sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Porphyra</i> sp. M (WELT A023934; WLR sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Prasiola skottsbergii</i> Levring sensu Chapm. 1951 | green seaweed | | | Prasiolales | Prasiolaceae |
| <i>Predaea</i> sp. A (WELT A013935; Manawatāwhi) | red seaweed | IE | | Nemastomatales | Nemastomataceae |
| <i>Pterocladia</i> sp. A (ASN672; Manawatāwhi) | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Pterocladia</i> sp. B (ASP033; lineage 1 sensu Boo et al. 2016) | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Pterocladia</i> sp. C (ASN327; lineage 2 sensu Boo et al. 2016) | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Ptilothamnion</i> sp. A (WELT A012496; Kermadec Is) | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Pyropia</i> sp. A (WELT A023569; AKL170 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia</i> sp. B (WELT A023232; DRB sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia</i> sp. C (WELT A026697; ROS125 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia</i> sp. D (WELT A024410; SMR sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia</i> sp. E (WELT A022344; SSR053 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia</i> sp. F (WELT A024412; SSR091 sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia</i> sp. G (WELT A024041; STI sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia</i> sp. H (WELT A024011; TCH sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia</i> sp. I (WELT A024032; WRO sensu Sutherland et al. 2011) | red seaweed | | | Bangiales | Bangiaceae |
| <i>Ralfsia</i> sp. A (Buchanan TC16; cf. <i>confusa</i>) | brown seaweed | | | Ralfsiales | Ralfsiaceae |

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Data Deficient continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------|-----------|------------|----------------|--------------------|
| <i>Ralfsia</i> sp. B (WELT A031046; cf. <i>expansa</i>) | brown seaweed | | | Ralfsiales | Ralfsiaceae |
| <i>Ralfsia</i> sp. C (WELT A012662; Kermadec Is) | brown seaweed | | | Ralfsiales | Ralfsiaceae |
| " <i>Rhododiscus</i> " sp. A (WELT A006909; Mana) | red seaweed | | | Gigartinales | Incertae sedis |
| <i>Rhodoglossum</i> sp. A (WELT A025681; Fiordland) | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Rhodymenia</i> sp. A (WELT A019133; Lermontov sensu Adams 1994) | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Rhodymeniocolax</i> sp. A (WELT A014130; southern) | red seaweed | | | Rhodymeniales | Rhodymeniaceae |
| <i>Sargassum</i> sp. A (WELT A009509; aff. <i>tahitense</i>) | brown seaweed | | | Fucales | Sargassaceae |
| <i>Sargassum</i> sp. B (WELT A004066; Kermadec Is) | brown seaweed | | | Fucales | Sargassaceae |
| <i>Schimmelmannia</i> sp. A (WELT A009711; sensu Adams 1994) | red seaweed | | | Acrosympytales | Schimmelmanniaceae |
| <i>Schizoseris</i> sp. A (WELT A016620; Bounty Is) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Schizoseris</i> sp. B (WELT A009230; sensu Adams 1994) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Schizoseris</i> sp. C (WELT A013925; Manawatāwhi) | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Schizymenia</i> sp. A (WELT A016511; Bounty I.) | red seaweed | | | Nemastomatales | Schizymeniaceae |
| <i>Schizymenia</i> sp. B (WELT A009419; Kermadec Is) | red seaweed | | | Nemastomatales | Schizymeniaceae |
| <i>Spermothamnion</i> sp. A (WELT A017795; Chatham Is) | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Sphacelaria</i> sp. A (WELT A012219; Kermadec Is) | brown seaweed | | | Sphacelariales | Sphacelariaceae |
| <i>Spongoclonium</i> sp. A (WELT A004281; sensu Adams 1994) | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Sporolithon</i> sp. A (WELT A029440) | red seaweed | | | Sporolithales | Sporolithaceae |
| <i>Streblonema</i> sp. A (WELT A022665; Chatham Is) | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Ulva</i> sp. A (WELT A027517; <i>fasciata</i> sensu Heesch et al. 2009) | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva</i> sp. D (WELT A027344; sp. 4 sensu Heesch et al. 2009) | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva</i> sp. E (WELT A027520; sp. 6 sensu Heesch et al. 2009) | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva</i> sp. F (WELT A027519; sp. 9 sensu Heesch et al. 2009) | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva</i> sp. G (WELT A027516; sp. 10 sensu Heesch et al. 2009) | green seaweed | | | Ulvales | Ulvaceae |
| <i>Vaucheria</i> sp. A (WELT A000728; Pauatahanui) | brown seaweed | | | Vaucherales | Vaucheriaceae |
| <i>Vaucheria</i> sp. B (WELT A017370; Chatham Is) | brown seaweed | | | Vaucherales | Vaucheriaceae |
| <i>Wrangelia</i> sp. A (WELT A010340; Antipodes Is) | red seaweed | | | Ceramiales | Wrangeliaceae |
| THREATENED – NATIONALLY CRITICAL (6) | | | | | |
| Taxonomically determinate (4) | | | | | |
| <i>Dione arcuata</i> W.A.Nelson | red seaweed | | DP, OL | Bangiales | Bangiaceae |
| <i>Gelidium johnstonii</i> Setch. & N.L.Gardner | red seaweed | A(3) | SO | Gelidiales | Gelidiaceae |
| <i>Gigartina dilatata</i> (Hook.f. & Harv.) N.M.Adams | red seaweed | A(3) | DP | Gigartinales | Gigartinaceae |
| <i>Prasiola heeschiae</i> W.A.Nelson & J.E.Sutherl. | green seaweed | C | DP | Prasiolales | Prasiolaceae |
| Taxonomically unresolved (2) | | | | | |
| <i>Gigartina</i> sp. C (WELT A016481; Bounty I.) | red seaweed | A(3) | IE, OL | Gigartinales | Gigartinaceae |
| <i>Prasiola</i> sp. A (WELT A024286; Antipodes Is) | green seaweed | A(3) | DP, IE, RR | Prasiolales | Prasiolaceae |
| THREATENED – NATIONALLY ENDANGERED (1) | | | | | |
| Taxonomically determinate (1) | | | | | |
| <i>Prasiola novaezelandiae</i> S.Heesch & W.A.Nelson | green seaweed | B(3) | DP, RR | Prasiolales | Prasiolaceae |

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At Risk – Declining

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------|-----------|-------------|---------------------|--------------------|
| AT RISK – DECLINING (5) | | | | | |
| Taxonomically determinate (5) | | | | | |
| <i>Durvillaea antarctica</i> (Cham.) Har. | bull kelp | A(2) | RR, S?O, Sp | Fucales | Durvillaeaceae |
| <i>Durvillaea poha</i> C.I.Fraser, H.G.Spencer & J.M.Waters | bull kelp | B(2) | DP | Fucales | Durvillaeaceae |
| <i>Herpodiscus durvilleae</i> (Lindauer) South | brown seaweed | C(1) | DP | Sphacelariales | Sphacelariaceae |
| <i>Macrocystis pyrifera</i> (L.) C.Agardh | brown seaweed | | DP, S?O | Laminariales | Laminariaceae |
| <i>Pyrophyllon subtumens</i> (J.Agardh ex Laing) W.A.Nelson | red seaweed | B(1) | | Erythropheltidiales | Erythrotrichiaceae |
| AT RISK – NATURALLY UNCOMMON (105) | | | | | |
| Taxonomically determinate (96) | | | | | |
| <i>Adenocystis rimosa</i> (Mont.) Asensi, Delépine, de Reviers & F.Rousseau | brown seaweed | | DP, SO | Ectocarpales | Adenocystaceae |
| <i>Aeodes nitidissima</i> J.Agardh | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Amalthea freemaniae</i> D'Archino & W.A.Nelson | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Caepidium antarcticum</i> J.Agardh | brown seaweed | | SO | Ectocarpales | Adenocystaceae |
| <i>Callophyllis decumbens</i> J.Agardh | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Callophyllis laingiana</i> A.Millar | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Carpophyllum angustifolium</i> J.Agardh | brown seaweed | | | Fucales | Sargassaceae |
| <i>Caulerpa racemosa</i> (Forssk.) J.Agardh | green seaweed | | SO | Bryopsidales | Caulerpaceae |
| <i>Caulerpa sertularioides</i> (S.G.Gmel.) M.Howe | green seaweed | | IE, OL, SO | Bryopsidales | Caulerpaceae |
| <i>Caulerpa webbiana</i> Mont. | green seaweed | | SO | Bryopsidales | Caulerpaceae |
| <i>Chlidophyllum kaspar</i> (W.A.Nelson & N.M.Adams) W.A.Nelson | red seaweed | | IE, OL | Erythropheltidiales | Erythrotrichiaceae |
| <i>Chordaria cladosiphon</i> Kütz. | brown seaweed | | SO | Ectocarpales | Chordariaceae |
| <i>Chordariopsis capensis</i> (C.Agardh) Kylin | brown seaweed | | DP, SO | Ectocarpales | Adenocystaceae |
| <i>Clad hymenia coronata</i> (Lindauer & Setch.) Saenger | red seaweed | | RR, Sp | Ceramiales | Rhodomelaceae |
| <i>Cladostephus spongiosus</i> f. <i>verticillatus</i> (Lightf.) Prud'homme | brown seaweed | | DP | Sphacelariales | Cladostephaceae |
| <i>Codium cranwelliae</i> Setch. | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Codium spongiosum</i> Harv. | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Corynophlaea cystophorae</i> J.Agardh | brown seaweed | | Sp | Ectocarpales | Chordariaceae |
| <i>Curdiea balthazar</i> W.A.Nelson, G.A.Knight & R.Falshaw | red seaweed | | IE, OL | Gracilariales | Gracilariaeae |
| <i>Dasyclonium ovalifolium</i> (Hook.f. & Harv.) Scagel | red seaweed | | DP | Ceramiales | Rhodomelaceae |
| <i>Desmarestia confervoides</i> (Bory) M.E.Ramírez & A.F.Peters | brown seaweed | | SO | Desmarestiales | Desmarestiaceae |
| <i>Dichotomaria marginata</i> (J.Ellis & Sol.) Lam. | red seaweed | | SO | Nemaliales | Galaxauraceae |
| <i>Dictyota intermedia</i> Zanardini | brown seaweed | | SO | Dictyotales | Dictyotaceae |
| <i>Distromium didymothrix</i> Allender & Kraft | brown seaweed | | DP | Dictyotales | Dictyotaceae |
| <i>Distromium skottsbergii</i> Levring | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Durvillaea chathamensis</i> C.H.Hay | bull kelp | | IE | Fucales | Durvillaeaceae |
| <i>Durvillaea willana</i> Lindauer | bull kelp | | | Fucales | Durvillaeaceae |
| <i>Ectophora marginata</i> D'Archino & W.A.Nelson | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Elachista australis</i> J.Agardh | brown seaweed | | DP | Ectocarpales | Chordariaceae |
| <i>Feldmannia mitchelliae</i> (Harv.) H.-S.Kim | brown seaweed | | DP, SO | Ectocarpales | Acinetosporaceae |
| <i>Fulgeophyllis cerasina</i> D'Archino, Showe M.Lin & Zuccarello | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Galaxaura divaricata</i> (L.) Huisman & R.A.Towns. | red seaweed | | DP, RR, SO | Nemaliales | Galaxauraceae |

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At Risk – Naturally Uncommon continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------|-----------|------------|----------------|----------------------|
| <i>Galaxaura filamentosa</i> R.C.Y.Chou | red seaweed | | RR | Nemaliales | Galaxauraceae |
| <i>Galaxaura rugosa</i> (J.Ellis & Sol.) J.V.Lamour. | red seaweed | | DP, RR | Nemaliales | Galaxauraceae |
| <i>Galene meridionalis</i> D'Archino & Zuccarello | red seaweed | | Sp | Halymeniales | Halymeniaceae |
| <i>Galene profunda</i> D'Archino & Zuccarello | red seaweed | | DP, Sp | Halymeniales | Halymeniaceae |
| <i>Ganonema farinosum</i> (J.V.Lamour.) K.C.Fan & Yung C.Wang | red seaweed | | DP, RR | Nemaliales | Liagoraceae |
| <i>Gelidium crinale</i> (Hare ex Turner) Gaillon | red seaweed | | SO | Gelidiales | Gelidiaceae |
| <i>Gigartina divaricata</i> Hook.f. & Harv. | red seaweed | | RR | Gigartinales | Gigartinaceae |
| <i>Gigartina ewenii</i> W.A.Nelson & D'Archino | red seaweed | | IE, OL | Gigartinales | Gigartinaceae |
| <i>Gigartina grandifida</i> J.Agardh | red seaweed | | IE | Gigartinales | Gigartinaceae |
| <i>Gigartina macrocarpa</i> J.Agardh | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Gigartina pachymerioides</i> Lindauer | red seaweed | | DP, RR, Sp | Gigartinales | Gigartinaceae |
| <i>Glyphyrosiphon intestinalis</i> (Harv.) Leister & W.A.Nelson | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Glyphyrosiphon lindaueri</i> W.A.Nelson & P.W.Gabrielson | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Grateloupia prolifera</i> J.Agardh | red seaweed | | DP, IE | Halymeniales | Halymeniaceae |
| <i>Grateloupia urvilleana</i> (Mont.) Parkinson | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Halopterus platycena</i> Sauv. | brown seaweed | | DP, Sp | Sphaerariales | Stypocaulaceae |
| <i>Halopterus pseudospicata</i> Sauv. | brown seaweed | | DP | Sphaerariales | Stypocaulaceae |
| <i>Hapalospongion saxigenum</i> Lindauer | brown seaweed | | DP | Ralfsiales | Hapalospongidiaceae |
| <i>Hincksia granulosa</i> (Js.Smith) P.C.Silva | brown seaweed | | DP | Ectocarpales | Acinetosporaceae |
| <i>Landsburgia ilicifolia</i> W.A.Nelson | brown seaweed | | IE | Fucales | Sargassaceae |
| <i>Landsburgia myricifolia</i> J.Agardh | brown seaweed | | IE | Fucales | Sargassaceae |
| <i>Lessonia adamsiae</i> C.H.Hay | brown seaweed | | IE, OL | Laminariales | Lessoniaceae |
| <i>Lessonia brevifolia</i> J.Agardh | brown seaweed | | | Laminariales | Lessoniaceae |
| <i>Lessonia tholiformis</i> C.H.Hay | brown seaweed | | IE | Laminariales | Lessoniaceae |
| <i>Lobophora variegata</i> (J.V.Lamour.) Womersley ex E.C.Oliveira | brown seaweed | | DP, SO, Sp | Dictyotales | Dictyotaceae |
| <i>Marginariella parsonsii</i> W.A.Nelson | brown seaweed | | | Fucales | Seirococcaceae |
| <i>Microdictyon mutabile</i> Dellow | green seaweed | | DP | Cladophorales | Siphonocladius clade |
| <i>Microdictyon umbilicatum</i> (Velley) Zanardini | green seaweed | | DP | Cladophorales | Siphonocladius clade |
| <i>Myriogloea intestinalis</i> (Harv.) Lindauer, V.J.Chapm. & Aiken | brown seaweed | | RR | Ectocarpales | Chordariaceae |
| <i>Myrionema strangulans</i> Grev. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Notheia anomala</i> Harv. & Bailey | brown seaweed | | DP, S?O | Fucales | Notheiaceae |
| <i>Nothogenia neilliae</i> W.A.Nelson | red seaweed | | RR, Sp | Nemaliales | Scinaeaceae |
| <i>Pachymenia crassa</i> Lindauer | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Pachymenia dichotoma</i> J.Agardh | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Pachymenia laciniata</i> J.Agardh | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Pachymenia lusoria</i> (Grev.) J.Agardh | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Palmophyllum umbracola</i> W.A.Nelson & K.G.Ryan | green seaweed | | | Palmophyllales | Palmophyllaceae |
| <i>Papenfussiella lutea</i> Kylin | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Parvocaulis parvulus</i> (Solms) S.Berger et al. | green seaweed | | RR, SO | Dasycladales | Polyphysaceae |
| <i>Pedobesia clavaeformis</i> (J.Agardh) MacRaile & Womersley | green seaweed | | | Bryopsidales | Derbesiaceae |
| <i>Percursaria percursa</i> (C.Agardh) Rosenv. | green seaweed | | DP | Ulvales | Ulvaceae |
| <i>Perisporochnus regalis</i> V.J.Chapm. | brown seaweed | | IE, OL | Sporochnales | Sporochnaceae |
| <i>Perithalia capillaris</i> J.Agardh | brown seaweed | | | Sporochnales | Sporochnaceae |

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| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------|------------|------------|--------------------|--------------------|
| <i>Petalonia binghamiae</i> (J.Agardh) K.L.Vinogr. | brown seaweed | | | Ectocarpales | Scytoniphonaceae |
| <i>Petrospongium rugosum</i> (Okamura) Setch. & N.L.Gardner | brown seaweed | DP, SO, Sp | | Ectocarpales | Petrospongiaeae |
| <i>Placentophora colensoi</i> (Hook.f. & Harv.) Kraft | red seaweed | | | Gigartinales | Solieriaceae |
| <i>Pleurostichidium falkenbergii</i> Heydr. | red seaweed | RR, Sp | | Ceramiales | Rhodomelaceae |
| <i>Pterothamnion squarrulosum</i> (Harv.) Athanas. & Kraft | red seaweed | DP | | Ceramiales | Ceramiaceae |
| <i>Ptilopogon botryocladus</i> (Hook.f. & Harv.) Reinke | brown seaweed | | | Sphaerariales | Stypocaulaceae |
| <i>Pyrophyllon cameronii</i> (W.A.Nelson) W.A.Nelson | red seaweed | OL | | Erythropheltidales | Erythrotrichiaceae |
| <i>Rhizopogonia asperata</i> (Harv.) Kylin | red seaweed | DP | | Gigartinales | Kallymeniaceae |
| <i>Sargassum johnsonii</i> V.J.Chapm. | brown seaweed | IE, OL | | Fucales | Sargassaceae |
| <i>Sargassum scabridum</i> Hook.f. & Harv. | brown seaweed | | | Fucales | Sargassaceae |
| <i>Scytothamnus fasciculatus</i> (Hook.f. & Harv.) Cotton | brown seaweed | SO | | Scytothamnales | Splachnidiaeae |
| <i>Sonderophycus coriaceus</i> (Womersley & Sinkora) M.J.Wynne | red seaweed | OL, SO | | Peyssonneliales | Peyssonneliaceae |
| <i>Styropodium australasicum</i> (Zanardini) Allender & Kraft | brown seaweed | DP | | Dictyotales | Dictyotaceae |
| <i>Taonia australasica</i> J.Agardh | brown seaweed | DP | | Dictyotales | Dictyotaceae |
| <i>Tricleocarpa cylindrica</i> (J.Ellis & Sol.) Huisman & Borow. | red seaweed | SO | | Nemaliales | Galaxauraceae |
| <i>Tsengia feredayae</i> (Harv.) Womersley & Kraft | red seaweed | DP, SO, Sp | | Halymeniales | Tsengiaceae |
| <i>Umbrarula kuaweuweu</i> H.L.Spalding & A.R.Sherwood | green seaweed | DP, SO | | Ulvales | Ulvaceae |
| <i>Wittrockiella lyallii</i> (Harv.) C.Hoek, Ducker & Womersley | green seaweed | RR | | Cladophorales | Pithophoraceae |
| <i>Wittrockiella salina</i> V.J.Chapm. | green seaweed | DP | | Cladophorales | Pithophoraceae |
| <i>Zonaria cryptica</i> W.A.Nelson & J.E.Sutherl. | brown seaweed | DP | | Dictyotales | Dictyotaceae |
| <i>Zonaria diesingiana</i> J.Agardh | brown seaweed | DP, SO | | Dictyotales | Dictyotaceae |
| Taxonomically unresolved (9) | | | | | |
| <i>Codium geppiorum</i> O.C.Schmidt | green seaweed | SO | | Bryopsidales | Codiaceae |
| <i>Durvillaea</i> sp. A (WELT A010343; Antipodes Is) | bull kelp | IE, OL | | Fucales | Durvillaeaceae |
| <i>Gigartina</i> sp. A (WELT A000964; ANZE164) | red seaweed | DP, RR | | Gigartinales | Gigartinaceae |
| <i>Lessonia</i> sp. A (<i>variegata</i> /N sensu Zuccarello & Martin 2016) | brown seaweed | | | Laminariales | Lessoniaceae |
| <i>Lessonia</i> sp. B (<i>variegata</i> /K sensu Zuccarello & Martin 2016) | brown seaweed | | | Laminariales | Lessoniaceae |
| <i>Lessonia</i> sp. C (<i>variegata</i> /S sensu Zuccarello & Martin 2016) | brown seaweed | | | Laminariales | Lessoniaceae |
| <i>Spatoglossum</i> sp. A (ASN549; Manawatāwhi) | brown seaweed | IE, RR | | Dictyotales | Dictyotaceae |
| <i>Umbrarula</i> sp. A (WELT A027396; Northland) | green seaweed | DP | | Ulvales | Ulvaceae |
| <i>Umbrarula</i> sp. B (WELT A027521; Auckland Is) | green seaweed | DP | | Ulvales | Ulvaceae |
| NOT THREATENED (166) | | | | | |
| Taxonomically determinate (162) | | | | | |
| <i>Abroteia suborbicularis</i> (Harv.) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Acrosorium ciliolatum</i> (Harv.) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Acrosorium decumbens</i> (J.Agardh) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Adamsiella angustifolia</i> (Harv.) L.E.Phillips & W.A.Nelson | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Adamsiella chauvini</i> (Harv.) L.E.Phillips & W.A.Nelson | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Adenocystis utricularis</i> (Bory) Skottsb. | brown seaweed | | | Ectocarpales | Adenocystaceae |

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Not Threatened continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------|-----------|------------|-------------------|--------------------|
| <i>Agarophyton chilense</i> (C.J.Bird, McLachlan & E.C.Oliveira) Gurgel, J.N.Norris & Fredericq | red seaweed | | SO | Gracilariales | Graciliaceae |
| <i>Amphiroa anceps</i> (Lam.) Decne. | red seaweed | | SO | Corallinales | Corallinaceae |
| <i>Anotrichium crinitum</i> (Kütz.) Baldock | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Apoglossum montagneanum</i> (J.Agardh) J.Agardh | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Apoglossum oppositifolium</i> (Harv.) J.Agardh | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Apophlaea lyallii</i> Hook.f. & Harv. | red seaweed | | | Hildenbrandiales | Hildenbrandiaceae |
| <i>Apophlaea sinclairii</i> Hook.f. & Harv. | red seaweed | | | Hildenbrandiales | Hildenbrandiaceae |
| <i>Arthrocardia corymbosa</i> (Lam.) Decne. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Arthrocardia wardii</i> (Harv.) Aresch. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Asparagopsis armata</i> Harv. | red seaweed | | | Bonnemaisoniales | Bonnemaisoniaceae |
| <i>Asparagopsis taxiformis</i> (Delile) Trevis. | red seaweed | | | Bonnemaisoniales | Bonnemaisoniaceae |
| <i>Ballia callitricha</i> (C.Agardh) Kütz. | red seaweed | | | Balliales | Balliaceae |
| <i>Blastophylloides calliblepharoides</i> (J.Agardh) D'Archino & W.A.Nelson | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Blastophylloides hombroniana</i> (Mont.) D'Archino & W.A.Nelson | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Bostrychia arbuscula</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Bryopsis plumosa</i> (Huds.) C.Agardh | green seaweed | | | Bryopsidales | Bryopsidaceae |
| <i>Bryopsis vestita</i> J.Agardh | green seaweed | | | Bryopsidales | Bryopsidaceae |
| <i>Caloglossa vieillardii</i> (Kütz.) Setch. | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Capreolia implexa</i> Guiry & Womersley | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Carpomitra costata</i> (Stackh.) Batters | brown seaweed | | SO | Sporochnales | Sporochnaceae |
| <i>Carpophyllum flexuosum</i> (Esper) Grev. | brown seaweed | | | Fucales | Sargassaceae |
| <i>Carpophyllum maschalocarpum</i> (Turner) Grev. | brown seaweed | | | Fucales | Sargassaceae |
| <i>Carpophyllum plumosum</i> (A.Rich.) J.Agardh | brown seaweed | | | Fucales | Sargassaceae |
| <i>Catenellopsis oligantha</i> (J.Agardh) V.J.Chapm. | red seaweed | | | Catenellopsidales | Catenellopsidaceae |
| <i>Caulacanthus ustulatus</i> (Mert. ex Turner) Kütz. | red seaweed | | | Gigartinales | Caulacanthaceae |
| <i>Caulerpa articulata</i> Harv. | green seaweed | | | Bryopsidales | Caulerpaceae |
| <i>Caulerpa brownii</i> (C.Agardh) Endl. | green seaweed | | | Bryopsidales | Caulerpaceae |
| <i>Caulerpa flexilis</i> J.V.Lamour. ex C.Agardh | green seaweed | | | Bryopsidales | Caulerpaceae |
| <i>Caulerpa geminata</i> Harv. | green seaweed | | | Bryopsidales | Caulerpaceae |
| <i>Centroceras clavulatum</i> (C.Agardh) Mont. | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Ceramium apiculatum</i> J.Agardh | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Chaetomorpha aerea</i> (Dillwyn) Kütz. | green seaweed | | Sp | Cladophorales | Cladophoraceae |
| <i>Chaetomorpha coliformis</i> (Mont.) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Chaetomorpha linum</i> (O.F.Müll.) Kütz. | green seaweed | | DP, SO | Cladophorales | Cladophoraceae |
| <i>Champia chathamensis</i> V.J.Chapm. & Dromgoole | red seaweed | | | Rhodymeniales | Champiaceae |
| <i>Champia laingii</i> Lindauer | red seaweed | | | Rhodymeniales | Champiaceae |
| <i>Champia novae-zelandiae</i> (Hook.f. & Harv.) Harv. | red seaweed | | | Rhodymeniales | Champiaceae |
| <i>Chondracanthus chapmanii</i> (Hook.f. & Harv.) Fredericq | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Chondria macrocarpa</i> Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Cladhyenia oblongifolia</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Clymene coleana</i> (W.A.Nelson) W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Codium convolutum</i> (Dellow) P.C.Silva | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Codium dimorphum</i> Sved. | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Codium fragile</i> subsp. <i>novae-zelandiae</i> (J.Agardh) P.C.Silva | green seaweed | | | Bryopsidales | Codiaceae |

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Not Threatened continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------|-----------|------------|------------------|-------------------|
| <i>Codium gracile</i> (O.C.Schmidt) Dellow | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Colpomenia claytoniae</i> S.M.Boo, K.M.Lee, G.Y.Cho & W.A.Nelson | brown seaweed | | | Ectocarpales | Scytoniphonaceae |
| <i>Colpomenia ecuticulata</i> M.J.Parsons | brown seaweed | | | Ectocarpales | Scytoniphonaceae |
| <i>Colpomenia sinuosa</i> (Mert. ex Roth) Derbès & Solier | brown seaweed | | DP, SO | Ectocarpales | Scytoniphonaceae |
| <i>Corallina caespitosa</i> R.H.Walker, J.Brodie & L.M.Irvine | red seaweed | | | Corallinales | Corallinaceae |
| <i>Craspedocarpus erosus</i> (Hook.f. & Harv.) F.Schmitz | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Crassiphycus secundatus</i> (Harvey) Gurgel, J.N.Norris & Fredericq | red seaweed | | | Gracilariales | Gracilariacae |
| <i>Crassiphycus proliferus</i> (Kraft) Gurgel, J.N.Norris & Fredericq | red seaweed | | | Gracilariales | Gracilariacae |
| <i>Curdiea coriacea</i> (Hook.f. & Harv.) J.Agardh | red seaweed | | | Gracilariales | Gracilariacae |
| <i>Curdiea furcata</i> W.A.Nelson & Dalen | red seaweed | | | Gracilariales | Gracilariacae |
| <i>Cystophora platylobium</i> (Mert.) J.Agardh | brown seaweed | SO | | Fucales | Sargassaceae |
| <i>Cystophora retroflexa</i> (Labill.) J.Agardh | brown seaweed | SO | | Fucales | Sargassaceae |
| <i>Cystophora scalaris</i> J.Agardh | brown seaweed | | | Fucales | Sargassaceae |
| <i>Cystophora torulosa</i> (R.Br.) J.Agardh | brown seaweed | SO | | Fucales | Sargassaceae |
| <i>Dasya collabens</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Dasyclonium harveyanum</i> (Decne. ex Harv.) Kylin | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Dasyclonium incisum</i> (J.Agardh) Kylin | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Delisea elegans</i> J.V.Lamour. | red seaweed | | | Bonnemaisoniales | Bonnemaisoniaceae |
| <i>Delisea plumosa</i> Levring | red seaweed | | | Bonnemaisoniales | Bonnemaisoniaceae |
| <i>Delisea pulchra</i> (Grev.) Mont. | red seaweed | | | Bonnemaisoniales | Bonnemaisoniaceae |
| <i>Desmarestia ligulata</i> (Stackh.) J.V.Lamour. | brown seaweed | SO | | Desmarestiales | Desmarestiaceae |
| <i>Dictyota kunthii</i> (C.Agardh) Grev. | brown seaweed | SO | | Dictyotales | Dictyotaceae |
| <i>Ecklonia radiata</i> (C.Agardh) J.Agardh | brown seaweed | SO | | Laminariales | Lessoniaceae |
| <i>Ectophora depressa</i> J.Agardh | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Euptilota formosissima</i> (Mont.) Kütz. | red seaweed | | | Ceramiales | Callithamniaceae |
| <i>Fulgeophyllum laingii</i> (J.Agardh) D'Archino & Zuccarello | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Gelidium caulacanthum</i> J.Agardh | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Gigartina clavifera</i> J.Agardh | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Gigartina laingii</i> Lindauer | red seaweed | DP | | Gigartinales | Gigartinaceae |
| <i>Gloioderma sparlingiae</i> W.A.Nelson & Dalen | red seaweed | | | Rhodymeniales | Faucheaceae |
| <i>Grateloupia stipitata</i> J.Agardh | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Griffithsia antarctica</i> Hook.f. & Harv. | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Griffithsia traversii</i> (J.Agardh) Baldock | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Gymnogongrus furcatus</i> (Hook.f. & Harv.) Kütz. | red seaweed | | | Gigartinales | Phyllophoraceae |
| <i>Gymnogongrus humilis</i> Lindauer | red seaweed | | | Gigartinales | Phyllophoraceae |
| <i>Gymnogongrus torulosus</i> (Hook.f. & Harv.) F.Schmitz | red seaweed | | | Gigartinales | Phyllophoraceae |
| <i>Halopteris congesta</i> (Reinke) Sauv. | brown seaweed | DP | | Sphaelariales | Stypocaulaceae |
| <i>Halopteris funicularis</i> (Mont.) Sauv. | brown seaweed | DP | | Sphaelariales | Stypocaulaceae |
| <i>Halopteris novae-zelandiae</i> Sauv. | brown seaweed | DP | | Sphaelariales | Stypocaulaceae |
| <i>Halopteris paniculata</i> (Suhr) Prud'homme | brown seaweed | DP | | Sphaelariales | Stypocaulaceae |
| <i>Halopteris virgata</i> (Hook.f. & Harv.) N.M.Adams | brown seaweed | | | Sphaelariales | Stypocaulaceae |
| <i>Haraldiophyllum crispatum</i> (Hook.f & Harv.) Showe M.Lin, Hommers. & W.A.Nelson | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Heterosiphonia concinna</i> (Hook.f. & Harv.) Reinbold | red seaweed | | | Ceramiales | Dasyaceae |

Continued on next page

Not Threatened continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|--------------------|-----------|------------|------------------|-------------------|
| <i>Heterosiphonia squarrosa</i> (Hook.f. & Harv.) Falkenb. | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Heterosiphonia tessellata</i> (Harv.) Reinbold | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Hincksia sordida</i> (Harv.) P.C.Silva | brown seaweed | DP | | Ectocarpales | Acinetosporaceae |
| <i>Hormosira banksii</i> (Turner) Decne. | Neptune's necklace | DP | | Fucales | Hormosiraceae |
| <i>Hymenena variolosa</i> (Harv.) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Hymenocladia sanguinea</i> (Harv.) Sparling | red seaweed | | | Rhodymeniales | Hymenocladiaceae |
| <i>Jania sagittata</i> (J.V.Lamour.) Blainv. | red seaweed | | | Corallinales | Corallinaceae |
| <i>Jania sphaeroramosa</i> Twist, J.E.Sutherl. & W.A.Nelson | red seaweed | | | Corallinales | Corallinaceae |
| <i>Judithia delicatissima</i> (R.E.Norris) D'Archino & Showe M.Lin | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Landsburgia quercifolia</i> Harv. | brown seaweed | | | Fucales | Sargassaceae |
| <i>Laurencia distichophylla</i> J.Agardh | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Laurencia thrysifera</i> J.Agardh | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Leathesia marina</i> (Lyngb.) Decne. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Lessonia variegata</i> J.Agardh | brown seaweed | | | Laminariales | Lessoniaceae |
| <i>Liagora harveyana</i> Zeh | red seaweed | | | Nemaliales | Liagoraceae |
| <i>Lophothamnion hirtum</i> (Hook.f. & Harv.) Womersley | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Lophurella caespitosa</i> (Harv.) Falkenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Lophurella hookeriana</i> (J.Agardh) Falkenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Lychaete feredayi</i> (Harv.) M.J.Wynne | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Lychaete herpestica</i> (Mont.) M.J.Wynne | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Marginariella boryana</i> (A.Rich.) Tandy | brown seaweed | | | Fucales | Seirococcaceae |
| <i>Marginariella urvilliana</i> (A.Rich.) Tandy | brown seaweed | | | Fucales | Seirococcaceae |
| <i>Mediothamnion lyallii</i> (Harv.) Gordon-Mills | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Melanothamnus strictissimus</i> (Hook.f. & Harv.) Diaz-Tapia & Maggs | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Melanthalia abscissa</i> (Turn.) Hook.f. & Harv. | red seaweed | | | Gracilariales | Gracilariaeae |
| <i>Metamorphe colensoi</i> (Hook.f. & Harv.) Falkenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Minerva aenigmata</i> W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Nancythalia humilis</i> A.Millar & W.A.Nelson | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Polysiphonia decipiens</i> Mont. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Psiromenia berggrenii</i> (J.Agardh) D'Archino, W.A.Nelson & Zuccarello | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Psilophycus alveatus</i> (Turner) W.A.Nelson, Leister & Hommers. | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Pterocladiella capillacea</i> (S.G.Gmel.) Santel. & Hommers. | red seaweed | | | Gelidiales | Gelidiaceae |
| <i>Ptilonia mooreana</i> Levring | red seaweed | | | Bonnemaisoniales | Bonnemaisoniaceae |
| <i>Ptilonia willana</i> Lindauer | red seaweed | | | Bonnemaisoniales | Bonnemaisoniaceae |
| <i>Pyropia cinnamomea</i> (W.A.Nelson) W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia plicata</i> W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia rakiura</i> (W.A.Nelson) W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia virididentata</i> (W.A.Nelson) W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Rhodophyllum acanthocarpa</i> (Harv.) J.Agardh | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Rhodophyllum membranacea</i> (Harv.) Hook.f. & Harv. | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Rhodophyllum parasitica</i> M.Preuss & Zuccarello | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Sarcodia montagneana</i> (Hook.f. & Harv.) J.Agardh | red seaweed | | | Plocamiales | Sarcodiaceae |
| <i>Sarcothalia lanceata</i> (J.Agardh) Hommers. | red seaweed | | | Gigartinales | Gigartinaceae |

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Not Threatened continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|--|---------------|-----------|------------|----------------|------------------|
| <i>Sarcothalia livida</i> (Turner) Hommers. | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Sarcothalia marginifera</i> (J.Agardh) Hommers. | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Sargassum sinclairii</i> Hook.f. & Harv. | brown seaweed | | | Fucales | Sargassaceae |
| <i>Schizoseris dichotoma</i> (Hook.f & Harv.) Kylin | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Schizoseris griffithsia</i> (Suhr) M.J.Wynne | red seaweed | | | Ceramiales | Delesseriaceae |
| <i>Scytoziphon lomentaria</i> (Lyngb.) Link | brown seaweed | SO | | Ectocarpales | Scytoziphonaceae |
| <i>Scytothamnus australis</i> (J.Agardh) Hook.f. & Harv. | brown seaweed | SO | | Scytothamnales | Splachnidiaeae |
| <i>Spatoglossum chapmanii</i> Lindauer | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Splachnidium rugosum</i> (L.) Grev. | brown seaweed | SO | | Scytothamnales | Splachnidiaeae |
| <i>Stauromenia australis</i> D'Archino & W.A.Nelson | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Stenogramma interruptum</i> (C.Agardh) Mont. ex Harv. | red seaweed | | | Gigartinales | Phyllophoraceae |
| <i>Streblocladia glomerulata</i> (Mont.) Papenf. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Streblocladia muelleriana</i> (J.Agardh) L.E.Phillips, Hommers., N.M.Adams & W.A.Nelson | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Streblocladia rhododactyla</i> (Harv.) D'Archino, B.Kim & M.S.Kim | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Sympyocladia marchantioides</i> (Harv.) Falkenb. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Tinocladia novae-zelandiae</i> Kylin | brown seaweed | Sp | | Ectocarpales | Chordariaceae |
| <i>Vertebrata aterrima</i> (Hook.f. & Harv.) Kuntze | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Vertebrata australis</i> (C.Agardh) Kuntze | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Vertebrata isogona</i> (Harv.) Diaz-Tapia & Maggs | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Vidalia colensoi</i> (Hook.f. & Harv.) J.Agardh | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Wendya incisa</i> D'Archino & Showe M.Lin | red seaweed | | | Gigartinales | Kallymeniaceae |
| <i>Xiphophora chondrophylla</i> (R.Br. ex Turner) Mont. ex Harv. | brown seaweed | SO | | Fucales | Xiphophoraceae |
| <i>Xiphophora gladiata</i> subsp. <i>novae-zelandiae</i> Rice | brown seaweed | SO | | Fucales | Xiphophoraceae |
| <i>Zonaria aureomarginata</i> J.A.Phillips & W.A.Nelson | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Zonaria turneriana</i> J.Agardh | brown seaweed | SO | | Dictyotales | Dictyotaceae |
| <i>Zuccarelloa ceramoides</i> (Levrung) D'Archino & W.A.Nelson | red seaweed | | | Gigartinales | Kallymeniaceae |
| Taxonomically uncertain (4) | | | | | |
| " <i>Gigartina</i> " <i>atropurpurea</i> (J.Agardh) J.Agardh | red seaweed | SO | | Gigartinales | Gigartinaceae |
| <i>Euptilota</i> sp. A (WELT A013998; Northland) | red seaweed | | | Ceramiales | Callithamniaceae |
| " <i>Sarcothalia</i> " <i>decipiens</i> (Hook.f & Harv.) Hommers. | red seaweed | | | Gigartinales | Gigartinaceae |
| <i>Ulva</i> sp. C (WELT A027366; sp. 2 sensu Heesch et al. 2009) | green seaweed | DP | | Ulvales | Ulvaceae |
| INTRODUCED AND NATURALISED (46) | | | | | |
| Taxonomically determinate (42) | | | | | |
| <i>Antithamnionella ternifolia</i> (Hook.f. & Harv.) Lyle | red seaweed | | | Ceramiales | Ceramiaceae |
| <i>Asperococcus bullosus</i> J.V.Lamour. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Asperococcus ensiformis</i> (Delle Chiaje) M.J.Wynne | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Chamia affinis</i> (Hook.f. & Harv.) Harv. | red seaweed | | | Rhodymeniales | Champiaceae |
| <i>Chnoospora minima</i> (K.Hering) Papenf. | brown seaweed | | | Ectocarpales | Scytoziphonaceae |
| <i>Chondria harveyana</i> (J.Agardh) De Toni | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Cladophora ruchingeri</i> (C.Agardh) Kütz. | green seaweed | | | Cladophorales | Cladophoraceae |
| <i>Codium fragile</i> (Suringar) Har. subsp. <i>fragile</i> | green seaweed | | | Bryopsidales | Codiaceae |
| <i>Colpomenia peregrina</i> Sauv. | brown seaweed | | | Ectocarpales | Scytoziphonaceae |
| <i>Cutleria multifida</i> (Turner) Grev. | brown seaweed | | | Tilopteridales | Cutleriaceae |
| <i>Dactylosiphon bullosus</i> (D.A.Saunders) Santañez, K.M.Lee, S.M.Boo & Kogame | brown seaweed | | | Ectocarpales | Scytoziphonaceae |

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Introduced and Naturalised continued

| NAME AND AUTHORITY | COMMON NAME | CRIT-ERIA | QUALIFIERS | ORDER | FAMILY |
|---|---------------|-----------|------------|----------------|------------------|
| <i>Dictyota furcellata</i> (C.Agardh) Grev. | brown seaweed | | | Dictyotales | Dictyotaceae |
| <i>Grateloupia subpectinata</i> Holmes | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Grateloupia turuturu</i> Yamada | red seaweed | | | Halymeniales | Halymeniaceae |
| <i>Griffithsia crassiuscula</i> C.Agardh | red seaweed | | | Ceramiales | Wrangeliaceae |
| <i>Hydroclathrus clathratus</i> (C.Agardh) M.Howe | brown seaweed | | | Ectocarpales | Scytosiphonaceae |
| <i>Hypnea cervicornis</i> J.Agardh | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Hypnea cornuta</i> (Kütz.) J.Agardh | red seaweed | | | Gigartinales | Cystocloniaceae |
| <i>Leptosiphonia brodiei</i> (Dillwyn) Savoie & G.W.Saunders | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Melanothamnus harveyi</i> (Bailey) Diaz-Tapia & Maggs | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Melanothamnus japonicus</i> (Harv.) Diaz-Tapia & Maggs | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Neosiphonia sertularioides</i> (Gratel.) K.W.Nam & P.J.Kang | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Neosiphonia subtilissima</i> (Mont.) M.S.Kim & I.K.Lee | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Phyllotricha verruculosa</i> (C.Agardh) R.M Dixon & Huisman | brown seaweed | | | Fucales | Sargassaceae |
| <i>Polysiphonia morrowii</i> Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Polysiphonia senticulosa</i> Harv. | red seaweed | | | Ceramiales | Rhodomelaceae |
| <i>Punctaria latifolia</i> Grev. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Pyropia koreana</i> (M.S.Hwang & I.K.Lee) M.S.Hwang, H.G.Choi, Y.S.Oh & I.K.Lee | red seaweed | | | Bangiales | Bangiaceae |
| <i>Pyropia suborbiculata</i> (Kjellm.) J.E.Sutherl., H.G.Choi, M.S.Hwang & W.A.Nelson | red seaweed | | | Bangiales | Bangiaceae |
| <i>Rosenvinega sanctae-crucis</i> Boergesen | brown seaweed | | | Ectocarpales | Scytosiphonaceae |
| <i>Schizymenia apoda</i> (J.Agardh) J.Agardh | red seaweed | | | Nemastomatales | Schizymeniaceae |
| <i>Stictosiphon soriferus</i> (Reinke) Rosenv. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Striaria attenuata</i> (Grev.) Grev. | brown seaweed | | | Ectocarpales | Chordariaceae |
| <i>Ulva australis</i> Aresch. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva californica</i> Wille | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva compressa</i> L. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva flexuosa</i> Wulfen | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva intestinalis</i> L. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Ulva lactuca</i> L. | green seaweed | | | Ulvales | Ulvaceae |
| <i>Umbraulva japonica</i> (Holmes) E.H.Bae & I.K.Lee | green seaweed | | | Ulvales | Ulvaceae |
| <i>Undaria pinnatifida</i> (Harv.) Suringar | wakame | | | Laminariales | Alariaceae |
| <i>Vertebrata constricta</i> (Womersley) Diaz-Tapia & Maggs | red seaweed | | | Ceramiales | Rhodomelaceae |
| Taxonomically unresolved (4) | | | | | |
| <i>Agarophyton</i> sp. A (WELT A022664; Manukau) | red seaweed | | | Gracilariales | Graciariaceae |
| <i>Dasya</i> sp. A (WELT A010370; sensu Adams 1994) | red seaweed | | | Ceramiales | Dasyaceae |
| <i>Solieria</i> sp. A (WELT A020843; Orakei) | red seaweed | | | Gigartinales | Solieriaceae |
| <i>Ulva</i> sp. B (WELT A027378; sp. 1 sensu Heesch et al. 2009) | green seaweed | | | Ulvales | Ulvaceae |

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 |

Extinct

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.

Data Deficient

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

Threatened

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

Threatened – Nationally Critical

Criteria for Nationally Critical:

A – very small population (natural or unnatural)

- A(1) < 250 mature individuals
- A(2) ≤ 2 subpopulations, ≤ 200 mature individuals in the larger subpopulation
- A(3) Total area of occupancy ≤ 1 ha (0.01 km²)

B – small population (natural or unnatural) with a 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 subpopulations) with a very high ongoing or predicted decline (>70%)

- C Predicted decline > 70%

Threatened – Nationally Endangered

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%

Threatened – Nationally Vulnerable

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, ≤ 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%

At Risk

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

At Risk – Declining

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%

At Risk – Recovering

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

At Risk – Relict

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:

- 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)).

At Risk – Naturally Uncommon

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

Non-resident Native

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

Non-resident Native – Migrant

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

Non-resident Native – Vagrant

Taxa whose occurrences, though natural, are sporadic and typically transitory, or migrants with fewer than 15 individuals visiting New Zealand per annum.

Non-resident Native – Coloniser

Taxa that otherwise trigger 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.

Not Threatened

Resident native taxa that have large, stable populations.

Introduced and Naturalised

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

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4. References

- Adams, N.M. 1972: The marine algae of the Wellington area. *Records of the Dominion Museum* 8: 43–98.
- Adams, N.M.; Conway, E.; Norris, R.E. 1974: The marine algae of Stewart Island. *Records of the Dominion Museum* 8: 185–245.
- Adams, N.M.; Nelson, W.A. 1985: The marine algae of the Three Kings Islands. *National Museum of New Zealand Miscellaneous Series* 13: 1–29.
- Broady, P.A.; Flint, E.A.; Nelson, W.A.; Cassie Cooper, V.; de Winton, M.D.; Novis, P.M. 2012: Phyla Chlorophyta and Charophyta: green algae. In: Gordon DP (ed) New Zealand Inventory of Biodiversity. Volume Three. Kingdoms Bacteria, Protozoa, Chromista, Plantae, Fungi. Canterbury University Press. Pp. 347–381.
- Broom, J.E.S.; Hart, D.R.; Farr, T.J.; Nelson, W.A.; Neill, K.F.; Harvey, A.H.; Woelkerling, W.J. 2008: Utility of psbA and nSSU for phylogenetic reconstruction in the Corallinales based on New Zealand taxa. *Molecular Phylogenetics & Evolution* 46: 958–973.
- D'Archino, R.; Neill, K.F.; Nelson, W.A.; Fachon, E.; Peat, C. 2019: New Zealand macroalgae: distribution and potential as national scale ecological indicators. *New Zealand Aquatic Environment and Biodiversity Report No. 207*. 217 p.
- D'Archino, R.; Nelson, W.A.; Zuccarello, G.C. 2010: *Psaromenia* gen.nov. (Kallymeniaceae, Rhodophyta): a new genus for *Kallymenia berggrenii*. *Phycologia* 49: 73–85.
- D'Archino, R.; Nelson, W.A.; Zuccarello, G.C. 2011: Diversity and complexity in New Zealand Kallymeniaceae (Rhodophyta): recognition of the genus *Ectophora* and description of *E. marginata* sp. nov. *Phycologia* 50: 241–255.
- D'Archino, R.; Nelson, W.A.; Zuccarello, G.C. 2012: *Stauromenia australis* gen. et sp. nov., a new member of the family Kallymeniaceae (Rhodophyta) from southern New Zealand. *Phycologia* 51: 451–460.
- D'Archino, R.; Lin, S.-M.; Gabrielson, P.W.; Zuccarello, G.C. 2016: Why one species in New Zealand, *Pugetia delicatissima* (Kallymeniaceae, Rhodophyta), should become two new genera, *Judithia* gen. nov. and *Wendya* gen. nov. *European Journal of Phycology* 51(1): 83–98.
- D'Archino, R.; Nelson, W.A.; Sutherland, J.E. 2017: Neither *Callophyllis* nor *Gelidium*: *Blastophyllis* gen. nov. and *Zuccarelloa* gen. nov. (Kallymeniaceae, Rhodophyta) for three New Zealand species. *Phycologia* 56: 549–560.
- D'Archino, R.; Lin, S.-M.; Zuccarello, G.C. 2018: *Fulgeophyllis* (Kallymeniaceae, Gigartinales), a new genus to accommodate two New Zealand species. *Phycologia* 57: 422–431.
- Farr, T.; Broom, J.; Hart, D.; Neill, K.; Nelson, W. 2009: Common coralline algae of northern New Zealand: an identification guide. *NIWA Information Series* 70. 249 p.
- Fraser, C.I.; Spencer, H.G.; Waters, J.M. 2012: *Durvillaea poha* sp. nov. (Fucales, Phaeophyceae): a buoyant southern bull-kelp species endemic to New Zealand. *Phycologia* 51: 151–156.
- Fraser, C.I.; Waters, J.M. 2013: Algal parasite *Herpodiscus durvillaeae* (Phaeophyceae: Sphacelariales) inferred to have traversed the Pacific Ocean with its buoyant host. *Journal of Phycology* 49: 202–206.
- Harper, M.; Cassie Cooper, V.; Chang, F.H.; Nelson, W.; Broady, P. 2012: Phylum Ochrophyta: brown and golden-brown algae, diatoms, silicoflagellates, and kin. Pp. 114–163 in: Gordon D.P. (ed): New Zealand Inventory of Biodiversity. Volume Three. Kingdoms Bacteria, Protozoa, Chromista, Plantae, Fungi. Canterbury University Press.
- Harvey, A.; Woelkerling, W.; Farr, T.; Neill, K.; Nelson, W. 2005: Coralline algae of central New Zealand: an identification guide to common ‘crustose’ species. *NIWA Information Series* 57. 145 p.
- Hay, C.H.; Adams, N.M.; Parsons, M.J. 1985: The marine algae of the subantarctic islands of New Zealand. *National Museum of New Zealand Miscellaneous Series* 11: 1–70.
- Heesch, S.; Broom, J.; Neill, K.; Farr, T.; Dalen, J.; Nelson, W. 2007: Genetic diversity and possible origins of New Zealand populations of *Ulva*. Final Research Report for Ministry of Fisheries Research Project ZBS2004-08. 203 p.
- Heesch, S.; Broom, J.E.; Neill, K.; Farr, T.; Dalen, J.; Nelson, W.A. 2009: *Ulva*, *Umbratula* and *Gemina*: genetic survey of New Zealand Ulvaceae reveals diversity and introduced species. *European Journal of Phycology* 44: 143–154.
- Heesch, S.; Peters, A.F.; Broom, J.E.; Hurd, C.L. 2008: Affiliation of the parasite *Herpodiscus durvillaeae* (Phaeophyceae) with the Sphacelariales based on DNA sequence comparisons and morphological observations. *European Journal of Phycology* 43: 283–295.
- Hitchmough, R.; Bull, L.; Cromarty, P. (comps) 2007: New Zealand Threat Classification System lists – 2005. Department of Conservation, Wellington. 194 p.

- Law, C.S.; Bell, J.; Bostock, H.; Cornwall, C.; Cummings, V.; Currie, K.; Davy, S.; Gammon, M.; Hepburn, C.; Lamare, M.; Mikaloff-Fletcher, S.; Nelson, W.; Parsons, D.; Ragg, N.; Sewell, M.; Smith, A.; Tracey, D. 2017: Ocean acidification in New Zealand waters. *New Zealand Journal of Marine and Freshwater Research*. DOI: [10.1080/00288330.2017.1374983](https://doi.org/10.1080/00288330.2017.1374983)
- Molloy, J.; Bell, B.; Clout, M.; de Lange, P.; Gibbs, G.; Given, D.; Norton, D.; Smith, N.; Stephens, T. 2002: Classifying species according to threat of extinction. A system for New Zealand. *Threatened Species Occasional Publication* 22. Department of Conservation, Wellington. 26 p.
- Neale, D.; Nelson, W. 1998: Marine algae of the west coast, South Island, New Zealand. *Tuhinga* 10: 87–118.
- Neill, K.; D'Archino, R.; Farr, T.; Nelson, W. 2012: Macroalgal diversity associated with soft sediment habitats in New Zealand. *New Zealand Aquatic Environment and Biodiversity Report* 87. 127 p.
- Neill, K.F.; Nelson, W.A.; D'Archino, R.; Leduc, D.; Farr, T.J. 2015: Northern New Zealand rhodoliths: assessing faunal and floral diversity in physically contrasting beds. *Marine Biodiversity* 45(1): 63–75. DOI: [10.1007/s12526-014-0229-0](https://doi.org/10.1007/s12526-014-0229-0).
- Nelson, W.A. 2012: Phylum Rhodophyta: red algae. Pp. 327–346 in Gordon, D.P. (ed): New Zealand Inventory of Biodiversity. Volume Three. Kingdoms Bacteria, Protozoa, Chromista, Plantae, Fungi. Canterbury University Press.
- Nelson, W.A. 2013: *Pyropia plicata* sp. nov. (Bangiales, Rhodophyta): naming a common intertidal alga from New Zealand. *Phytokeys* 21: 17–28.
- Nelson, W.A.; Adams, N.M. 1984: Marine algae of the Kermadec Islands. *National Museum of New Zealand Miscellaneous Series* 10: 1–29.
- Nelson, W.A.; Adams, N.M. 1987: Marine algae of the Bay of Islands area. *National Museum of New Zealand Miscellaneous Series* 16: 1–47.
- Nelson, W.A.; Broom, J.E.S. 2010: The identity of *Porphyra columbina* Bangiales, Rhodophyta) originally described from the New Zealand subantarctic islands. *Australian Systematic Botany* 23: 16–26.
- Nelson, W.A.; Dalen, J.L. 2015: Marine macroalgae of the Kermadec Islands. Pp. 125–140 in Trnski, T. and Schlumpf, H. (eds): Kermadec Biodiscovery Expedition 2011. *Bulletin of the Auckland Museum* 20.
- Nelson, W.A.; Sutherland, J.E. 2018: *Prasionema heeschiae* sp. nov. (Prasiolales) from Campbell Island, New Zealand: first record of *Prasionema* in the southern hemisphere. *European Journal of Phycology* 53: 198–207. DOI: [10.1080/09670262.2018.1423577](https://doi.org/10.1080/09670262.2018.1423577)
- Nelson, W.A.; Adams, N.M.; Fox, J.M. 1992: Marine algae of the northern South Island. *National Museum of New Zealand Miscellaneous Series* 26: 1–80.
- Nelson, W.A.; Adams, N.M.; Hay, C.H. 1991: Marine algae of the Chatham Islands. *National Museum of New Zealand Miscellaneous Series* 23: 1–58.
- Nelson, W.; Dalen, J.; Neill, K. 2013: Insights from natural history collections: analysing the New Zealand macroalgal flora using herbarium data. *PhytoKeys* 30: 1–21. DOI: [10.3897/phytokeys.30.5889](https://doi.org/10.3897/phytokeys.30.5889)
- Nelson, W.A.; Farr, T.J.; Broom, J.E. 2005: *Dione* and *Minerva*, two new genera from New Zealand circumscribed for basal taxa in the Bangiales (Rhodophyta). *Phycologia* 44: 139–145.
- Nelson, W.A.; Farr, T.J.; Broom, J.E.S. 2006: Phylogenetic relationships and generic concepts in the red order Bangiales: challenges ahead. *Phycologia* 45: 249–259.
- Nelson, W.A.; Sutherland, J.E.; Farr, T.J.; Hart, D.R.; Neill, K.F.; Kim, H.J.; Yoon, H.S. 2015: Multigene analyses of New Zealand coralline algae: *Corallinapetra novaezelandiae* gen. et sp. nov. and recognition of the Hapalidiales ord. nov. *Journal of Phycology* 51: 454–468. DOI: [10.1111/jpy.12288](https://doi.org/10.1111/jpy.12288)
- Nelson, W.A.; Villouta, E.; Neill, K. Williams, G.C.; Adams, N.M.; Slivsgaard, R. 2002: Marine macroalgae of Fiordland. *Tuhinga* 13: 117–152.
- South, G.R.; Adams, N.M. 1976: Marine algae of the Kaikoura coast. *National Museum of New Zealand Miscellaneous Series* 1: 1–67.
- Sutherland, J.; Lindstrom, S.; Nelson, W.; Brodie, J.; Lynch, M.; Hwang, M.S.; Choi, H.G.; Miyata, M.; Kikuchi, N.; Oliveira, M.; Farr, T.; Neefus, C.; Mols-Mortensen, A.; Milstein, D.; Müller, K. 2011: A new look at an ancient order: generic revision of the Bangiales. *Journal of Phycology* 47: 1131–1151.
- Thomsen, M.S.; Mondardini, L.; Alestra, T.; Gerrity, S.; Tait, L.; South, P.M.; Lilley, S.A.; Schiel, D.R. 2019: Local extinction of bull kelp (*Durvillaea* spp.) due to a marine heatwave. *Frontiers in Marine Science* 6: 84. DOI: [10.3389/fmars.2019.00084](https://doi.org/10.3389/fmars.2019.00084)
- Townsend, A.J.; de Lange, P.J.; Duffy, C.A.J.; Miskelly, C.M.; Molloy, J.; Norton, D.A. 2008: New Zealand Threat Classification System manual. Department of Conservation, Wellington. 35 p.