

Seaweeds of Alaska

Taxonomic Tree

PHYLUM CHLOROPHYTA (Green Algae)

Class Bryopsidophyceae

Order Codiales

Family Bryopsidaceae

Derbesia marina (Lyngbye) Solier

Family Codiaceae

Codium fragile (Suringar) Hariot

Codium ritteri Setchell & N.L. Gardner

Codium setchellii N.L. Gardner

Class Cladophorophyceae

Order Cladophorales

Family Cladophoraceae

Cladophora sericea (Hudson) Kützing

Class Trebouxiophyceae

Order Prasiolales

Family Prasiolaceae

Prasiola borealis M. Reed

Prasiola crispa (Lightfoot) Kützing

Prasiola delicata Setchell & N.L. Gardner

Prasiola meridionalis Setchell & N.L. Gardner

Rosenvingiella polyrhiza (Rosenvinge) P.C. Silva

Class Ulvophyceae

Order Ulotrichales

Family Ulotrichaceae

Acrosiphonia arcta (Dillwyn) Gain

Urospora neglecta (Kornmann) Lokhorst & Trask

Urospora penicilliformis (Roth) Areschoug

Urospora sp.

Urospora wormskioldii

(Mertens ex Hornemann) Rosenvinge

Family Gomoniaceae

Monostroma grevillei (Thuret) Wittrock var. *grevillei*

Order Ulvales

Family Kornmanniaceae

Blidingia minma (Nägeli ex Kützing) Kylin var. *minima*

Kornmannia leptoderma (Kjellman) Bliding

Family Ulvaceae

Ulva intestinalis Linnaeus

Ulva lactuca Linnaeus

Ulva linza Linnaeus

Ulva prolifera O.F. Müller

Ulvaria obscura (Kützinger) Gayral var. *blyttii*
(Areschoug) Bliding

PHYLUM OCHROPHYTA

Class Phaeophyceae

(Brown Algae)

Order Desmarestiales

Family Desmarestiaceae

Desmarestia aculeata (Linnaeus) J.V. Lamouroux

Desmarestia ligulata (Stackhouse) J.V. Lamouroux

Order Ectocarpales

Family Acinetosporaceae

Pylaiella littoralis (Linnaeus) Kjellman

Family Chordariaceae

Chordaria flagelliformis (O.F. Müller) C. Agardh

Coilodesme bulligera Strömfelt

Coilodesme californica

(Ruprecht) Kjellman

Eudesme virescens (Carmichael ex Berkeley) J. Agardh

Leathesia difformis (Linnaeus) Areschoug

Melanosiphon intestinalis (D.A. Saunders) M.J. Wynne

Puctaria lobata (D.A. Saunders) Setchell & N.L. Gardner

Saundersella simplex (D.A. Saunders) Kylin

Soranothera ulvoidea Postels & Ruprecht

Family Scytosiphonaceae

Colpomenia bullosa (D.A. Saunders) Yamada

Copomenia peregrina Sauvageau

Petalonia facia (O.F. Müller) Kütze

Scytosiphon lomentaria (Lyngbye) Link

Order Fucales

Family Sargassaceae

Cystoseira geminata C. Agardh

Family Fucaceae

Fucus distichus subsp. *evanescens*

(C. Agardh) H.T. Powell

Fucus sp.

Order Laminariales

Family Alariaceae

Alaria fistulosa Postels & Ruprecht

Alaria marginata Postels & Ruprecht

Lessoniopsis littoralis

(Farlow & Setchell ex Tilden) Reinke

Family Chordaceae

Chorda filum (Linnaeus) Stackhouse

Family Costariaceae

Agarum clathratum Dumortier

Costaria costata (C. Agardh) D.A. Saunders

Family Laminariaceae

Cymathaere triplicata (Postels & Ruprecht) J. Agardh

Laminaria longipes Bory

Laminaria setchellii P.C. Silva
Laminaria yezoensis Miyabe
Macrocystis integrifolia Bory
Nereocystis luetkeana (K. Mertens) Postels & Ruprecht
Saccharina latissima C.E. Lane, C. Mayes, Druehl &
G.W. Saunders [formerly *Laminaria saccharina*
(Linnaeus) Lamouroux]
Saccharina sessile (C. Agardh) Kuntze
[formerly *Hedophyllum sessile* (C. Agardh) Setchell]
Saccharina subsimplex (Setchell & N.L. Gardner)
Widdowson, S.C. Lindstrom & P.W. Gabrielson
[formerly identified as *Laminaria bongardiana*
Postels & Ruprecht and *Laminari groenlandica*
Rosenvinge]

Order Ralfsiales

Family Heterochordariaceae

Analipus japonicus (Harvey) M.J. Wynne

Family Ralfsiaceae

Ralfsia fungiformis (Gunnerus) Setchell & N.L. Gardner

PHYLUM RHODOPHYTA

(Red Algae)

Class Bangiophyceae

Order Bangiales

Family Bangiaceae

Bangia sp.

Porphyra abbotiae V. Krishnamurthy

Porphyra cuneiformis (Setchell & Hus) V. Krishnamurthy

Porphyra fucicola V. Krishnamurthy

Class Compsopogonophyceae

Order Erythropeltiales

Family Erythrotrichiaceae

Smithora naiadum (C.L. Anderson) Hollenberg

Class Florideophyceae

Order Acrochaetiales

Family Acrochaeticaceae

Rhodochorton purpureum (Lightfoot) Rosenvinge

Order Ahnfeltiales

Family Ahnfeltiaceae

Ahnfeltia fastigiata (Endlicher) Makienko

Order Ceramiales

Family Ceramiaceae

Antithamionella pacifica (Harvey) E.M. Wollaston

Callithamnion pikeanum Harvey

Ceramium pacificum (Collins) Kylin

Ceramium cimbricum H.E. Peterson

Microcladia borealis Ruprecht

Neoptilota asplenioides (Esper) Kylin ex Scagel, Garbary,
Golden & M.W. Hawkes

Ptilota filicina J. Agardh

Scagelia occidentale (Kylin) E.M. Wollaston

Family Delesseriaceae

Delesseria decipiens J. Agardh

Membranoptera spinulosa (Ruprecht) Kuntze

Mikamiella ruprechtiana (Zinova) M.J. Wynne

Phycodrys riggii N.L. Gardner

Tokidadendron bullatum (N.L. Gardner) M.J. Wynne

Family Rhodomelaceae

Neorhodomela aculeata (Perestenko) Masuda

Neorhodomela larix (Turner) Masuda

Neorhodomela oregona (Doty) Masuda

Odonthalia floccosa (Esper) Falkenberg

Odonthalia floccosa f. *comosa* Setchell & N.L. Gardner

Odonthalia setacea (Ruprecht) Perestenko

Osmundea spectabilis (Postels & Ruprecht) K.W. Nam

Polysiphonia paniculata Montagne

	<i>Pterosiphonia bipinnata</i> (Postels & Ruprecht) Falkenberg
Order Corallinales	
Family Corallinaceae	<i>Clathromorphum reclinatum</i> (Foslie) W.H. Adey <i>Corallina vancouveriensis</i> Yendo Coralline crust <i>Serraticardia macmillanii</i> (Yendo) P.C. Siva
Order Gigartinales	
Family Dumontiaceae	<i>Constantinea subulifera</i> Setchell <i>Cryptosiphonia woodii</i> (J. Agardh) J. Agardh <i>Dumontia alaskana</i> V. Tai, S.C. Lindstrom & G.W. Saunders <i>Farlowia mollis</i> (Harvey & Bailey) Farlow & Setchell <i>Neodilsea borealis</i> (I.A. Abbott) S.C. Lindstrom <i>Neodilsea natashae</i> S.C. Lindstrom
Family Endocladaceae	<i>Endocladia muricata</i> (Endlicher) J. Agardh <i>Gloiopeltis furcata</i> (Postels & Ruprecht) J. Agardh
Family Furcellariaceae	<i>Opuntiella californica</i> (Farlow) Kylin <i>Turnerella mertensiana</i> (Postels & Ruprecht) Schmitz
Family Gigartinaceae	<i>Mazzaella</i> sp. <i>Mazzaella parksii</i> (Setchell & N.L. Gardner) Hughey, P.C. Silva & Hommersand <i>Mazzaella phyllocarpa</i> (Postels & Ruprecht) Perestenko
Family Gloiosiphoniaceae	<i>Gloiosiphonia capillaris</i> (Hudson) Carmichael
Family Kallymeniaceae	<i>Euthora cristata</i> (C. Agardh) J. Agardh <i>Hommersandia maximicarpa</i> G.I. Hansen & S.C. Lindstrom
Family Phylloporaceae	<i>Mastocarpus papillatus</i> (C. Agardh) Kützing Petrocelis phase
Order Nemaliales	
Family Liagoraceae	<i>Nemalion elminthoides</i> (Volley) Batters
Order Palmariales	
Family Palmariaceae	<i>Devaleraea ramentacea</i> (Linnaeus) Guiry <i>Halosaccion firmum</i> (Postels & Ruprecht) Kützing <i>Halosaccion glandiforme</i> (S.G. Gmelin) Ruprecht <i>Halosaccion</i> sp. <i>Palmaria callophylloides</i> M.W. Hawkes & Scagel <i>Palmaria hecatensis</i> M.W. Hawkes

Palmaria mollis (Setchell & Gardner) van der Meer & C.J. Bird
Palmaria sp.

Order Rhodymeniales

Family Rhodymeniaceae

Sparlingia pertusa

(Postsels & Ruprecht) G.W. Saunders, I.M. Strachan & Kraft