

Marine Algae and Seagrasses of Oregon

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Appendix I

A Checklist of the Macrobenthic Marine Algae and Seagrasses of Oregon

New: R = New records to Oregon since Phinney (1977)

N = New names or new combinations since Phinney

Taxon: After the taxon, rejected names (synonyms, misidentifications in Phinney, etc.), new records data, and other notes are listed in brackets.

Concealing or Limiting (C or L) Features:

Size: 1 = thalli <0.5 cm; 2 = thalli >0.5–2.0 cm

Habit and/or Association: c = tightly crustose; c+e = crustose with small (size 1) erect blades; p = “parasitic”; ep = only epi or endophytic; ez = only epi or endozoic

Habitat: sub = only subtidal; sh = sheltered water (primarily after Abbott and Hollenberg, 1976)

New	Taxon	C or L Features		
		Size	Habit + Assoc.	Habitat
	CHLOROPHYTA			
	<i>Acrochaete</i> [<i>Pseudodictyon</i>]			
N	<i>A. geniculata</i> (Gardner) O’Kelly [<i>P. geniculata</i>]	1	ep	
	<i>Acrosiphonia</i> [<i>Spongomorpha</i>]			
N	<i>A. arcta</i> (Dilwyn) J. G. Agardh [<i>S. arcta</i>]			
N	<i>A. coalita</i> (Ruprecht) Scagel, Garbary, Golden <i>et</i> Hawkes [<i>S. coalita</i>]			
N	<i>A. mertensii</i> (Ruprecht) Yendo [<i>S. mertensii</i>]			
N	<i>A. saxatilis</i> (Ruprecht) Vinogradova [<i>S. saxatilis</i>]			
N	<i>A. spinescens</i> (Kützing) Kjellman [<i>S. spinescens</i>]			
	<i>Blidingia</i>			
	<i>B. minima</i> var. <i>minima</i> (Nägeli) Kylin	1		
	<i>B. minima</i> var. <i>vexata</i> (Setchell <i>et</i> Gardner) J. Norris	2		
N	<i>B. subsalsa</i> (Kjellman) Kornmann <i>et</i> Sahlberg [<i>B. minima</i> var. <i>subsalsa</i>]			sh
	<i>Bryopsis</i>			
	<i>B. corticulans</i> Setchell <i>in</i> Collins, Holden, <i>et</i> Setchell [<i>B. hypnoides</i>]			
R	<i>B. plumosa</i> (Hudson) C. Agardh [Markham and Celestino, 1976]			
	<i>Chaetomorpha</i>			
	<i>C. aerea</i> (Dilwyn) Kützing [Hansen, Strawberry Hill (26 May 1994)]			
	<i>C. linum</i> (Müller) Kützing [see Blair, 1993]			
R	<i>C. melagonium</i> (Weber <i>et</i> Mohr) Kützing [Scagel <i>et al.</i> , 1993]			
R	<i>C. piccottiana</i> Montagne <i>ex</i> Kützing [Scagel <i>et al.</i> , 1993]			
	<i>C. tortuosa</i> (Dilwyn) Kleen			
	<i>Chlorochytrium</i> [see <i>Halochlorococcum</i>]			
	<i>Cladophora</i>			
	<i>C. columbiana</i> Collins <i>in</i> Setchell <i>et</i> Gardner [<i>C. trichotoma</i>]			
	<i>C. graminea</i> Collins			
	<i>C. hutchinsiae</i> (Dilwyn) Kützing			
	<i>C. microcladioides</i> Collins			
	<i>C. pulverulenta</i> (Mertens) Phinney 1945 [brackish water]			
	<i>C. sericea</i> (Hudson) Kützing [<i>C. gracilis</i> , <i>C. glaucescens</i>]			
R	<i>C. stimpsonii</i> Harvey [Hansen, Seal Rock (6 May 1996)]			
	<i>Codiolum</i> [see <i>Urospora</i> , <i>Acrosiphonia</i> , <i>Monostroma</i>]			
	<i>Codium</i>			
	<i>C. fragile</i> (Suringar) Hariot			
	<i>C. setchellii</i> Gardner			
	<i>Collinsiella</i>			
	<i>C. tuberculata</i> Setchell <i>et</i> Gardner	1		
	<i>Derbesia</i>			
	<i>D. marina</i> (Lyngbye) Solier [<i>Halicystis ovalis</i>]	2		
	<i>Endophyton</i>			
	<i>E. ramosum</i> Gardner	1	ep	

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New	Taxon	C or L Features		
		Size	Habit + Assoc.	Habitat
	<i>Enteromorpha</i>			
	<i>E. clathrata</i> (Roth) Greville [<i>E. ahlnneriana</i> , <i>E. clathrata</i> var. <i>crinata</i>]			sh
	<i>E. compressa</i> (Linnaeus) Greville			sh
	<i>E. flexuosa</i> (Roth) J. Agardh [<i>E. tubulosa</i>]			sh
	<i>E. intestinalis</i> (Linnaeus) Link in Nees von Esenbeck [all varieties]			sh
R	<i>E. linza</i> (Linnaeus) J. Agardh			sh
R	<i>E. prolifera</i> (Müller) J. Agardh [Hansen, Yaquina Bay (5 Sep 94)]			sh
	<i>E. torta</i> (Mertens) Reinbold [Markham and Celestino, 1976]			sh
	<i>Entocladia</i>			
	<i>E. codicola</i> Setchell et Gardner	1	ep	
	<i>E. viridis</i> Reinke	1	ep	
	<i>Gayralia</i> [<i>Monostroma</i>]			
N	<i>G. oxysperma</i> (Kützing) Vinogradova [<i>Monostroma oxysperma</i>]			sh
	<i>Gomontia</i>			
	<i>G. polyrhiza</i> (Lagerheim) Bornet et Flahault	1	ez	
	<i>Halicystis</i> [see <i>Derbesia</i>]			
	<i>Halochlorococcum</i> [<i>Chlorochytrium</i>]			
N	<i>H. porphyrae</i> (Setchell et Gardner) West, Smith et McBride [<i>Chlorochytrium porphyrae</i>]	1	ep	
	<i>Kornmannia</i> [<i>Monostroma</i>]			
N	<i>K. leptoderma</i> (Kjellman) Bliding [<i>Monostroma zostericola</i>]		ep	
	<i>Lola</i>			
	<i>L. lubrica</i> (Setchell et Gardner in Gardner) Hamel et Hamel			sh
	<i>Monostroma</i> [see <i>Gayralia</i> , <i>Kornmannia</i> , <i>Ulvaria</i>]			
	<i>Percursaria</i>			
	<i>P. percursa</i> (C. Agardh) Rosenvinge			
	<i>Prasinocladus</i> [see <i>Tetraselmis</i>]			
	<i>Prasiola</i>			
	<i>P. meridionalis</i> Setchell et Gardner	2		
	<i>Pseudodictyon</i> [see <i>Acrochaete</i>]			
	<i>Pseudoulvella</i>			
	<i>P. consociata</i> Setchell et Gardner	1	ez+c	sh
	<i>Rhizoclonium</i>			
	<i>R. implexum</i> (Dillwyn) Kützing			sh
	<i>R. riparium</i> (Roth) Harvey			sh
	<i>Rosenvingiella</i>			
	<i>R. constricta</i> (Setchell et Gardner in Gardner) Silva	2		
N	<i>R. polyrhiza</i> (Rosenvinge) Silva [<i>Hormidium rivulare</i> ; Doty, 1947a; needs reinvestigation in Oregon]	2		
	<i>Tetraselmis</i> [<i>Prasinocladus</i> , <i>Chlorangium</i> ; only the filament-forming species are reported here]			
N	<i>T. ascus</i> (Proskauer) R. Norris, Hori et Chihara [<i>P. ascus</i>]	1		
N	<i>T. marina</i> (Cienkowski) R. Norris, Hori et Chihara [<i>P. marinus</i> , <i>P. lubricus</i>]	1		
	<i>Ulothrix</i>			
	<i>U. flacca</i> (Dillwyn) Thuret in LeJolis [<i>U. laetevirens</i>]			
N	<i>U. implexa</i> (Kützing) Kützing [<i>U. pseudoflacca</i>]			sh
R	<i>U. zonata</i> (Weber et Mohr) Kützing [Doty, 1947a, noted in Scagel et al., 1989; estuarine]			sh
	<i>Ulva</i>			
	<i>U. californica</i> Wille in Collins, Holden et Setchell [<i>U. angusta</i>]	2		
	<i>U. fenestrata</i> Postels et Ruprecht [<i>U. expansa</i> , <i>U. lactuca</i> , <i>U. lobata</i> , <i>U. rigida</i>]			
	<i>U. stenophylla</i> Setchell et Gardner			
	<i>U. taeniata</i> (Setchell in Collins, Holden et Setchell) Setchell et Gardner			
	<i>Ulvaria</i> [<i>Monostroma</i>]			
N	<i>U. obscura</i> (Kützing) Gayral var. <i>blyttii</i> (Areschoug) Bliding [<i>Monostroma fuscum</i>]			
	<i>Urospora</i>			
	<i>U. doliifera</i> (Setchell et Gardner) Doty			
	<i>U. penicilliformis</i> (Roth) Areschoug			
	<i>U. wormskjoldii</i> (Mertens) Rosenvinge [<i>U. grandis</i>]			
	HETEROKONTOPHYTA, Xanthophyceae (Tribophyceae)			
	<i>Vaucheria</i>			
R	<i>V. longicaulis</i> Hoppenaugh [Hansen, Yaquina Bay, 5 Sept. 1994; see Christensen, 1996]	2		sh
R	<i>V. velutina</i> C. Agardh [<i>V. thuretii</i> Woronin, see Christensen, 1987, p. 28; Doty, 1947a]	2		sh

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		Size	Habit + Assoc.	Habitat
	HETEROKONTOPHYTA, Phaeophyceae (Fucophyceae)			
	<i>Acinetospora</i>			
R	<i>A. sp.</i> [Henry, Sunset Bay (30 June 92)]		ep	sub
	<i>Alaria</i>			
	<i>A. marginata</i> Postels et Ruprecht			
	<i>A. nana</i> Schrader			
	<i>Analipus</i>			
	<i>A. japonicus</i> (Harvey) Wynne			
	<i>Botrytella</i> [<i>Sorocarpus</i>]			
R	<i>Botrytella pacifica</i> (Hollenberg) comb. nov. [bas. <i>Sorocarpus pacifica</i> Hollenberg 1971:14; see Kornmann and Sahling, 1988] [Henry, Seal Rock (14 May 94)]	2		
	<i>Chordaria</i>			
R	<i>C. flagelliformis</i> (O. Müller) C. Agardh [Kawai, Sunset Bay (12 June 94)]			
	<i>Coilodesme</i>			
	<i>C. bulligera</i> Stroemfelt			
	<i>C. californica</i> (Ruprecht) Kjellman		ep	sub
	<i>Colpomenia</i>			
	<i>C. bullosa</i> (Saunders) Yamada			
	<i>C. peregrina</i> (Sauvageau) Hamel [<i>C. tuberculata</i>]			
	<i>Composonema</i>			
	<i>C. intricatum</i> Setchell et Gardner	1	ep	
	<i>C. sessile</i> Setchell et Gardner [needs reinvestigation]	1	ep	
	<i>Costaria</i>			
	<i>C. costata</i> (C. Agardh) Saunders [<i>C. mertensii</i>]			
	<i>Cylindrocarpus</i> [see <i>Petrospongium</i>]			
	<i>Cystoseira</i>			
	<i>C. geminata</i> C. Agardh [needs reinvestigation]			
	<i>C. osmundacea</i> (Turner) C. Agardh			
	<i>Desmarestia</i>			
N	<i>D. aculeata</i> (Linnaeus) Lamouroux [<i>D. intermedia</i>]			
	<i>D. latifrons</i> (Ruprecht) Kützing			
	<i>D. ligulata</i> (Lightfoot) Lamouroux [<i>D. herbacea</i>]			
N	<i>D. munda</i> Setchell et Gardner [<i>D. ligulata</i> var. <i>ligulata</i> (in part), <i>D. ligulata</i> var. <i>munda</i>]			sub
	<i>Dictyoneuropsis</i>			
	<i>D. reticulata</i> (Saunders) Smith			sh
	<i>Dictyoneurum</i>			
	<i>D. californicum</i> Ruprecht			
	<i>Dictyosiphon</i>			
N	<i>D. foeniculaceus</i> (Hudson) Greville [<i>D. chordaria</i> ; Hansen, Cape Blanco (14 July 95)]			
	<i>Dictyota</i>			
	<i>D. binghamiae</i> J. G. Agardh [<i>D. flabellata</i> , <i>Pachydictyon coriaceum</i>]			sub
	<i>Ectocarpus</i>			
N	<i>E. fasciculatus</i> Harvey [<i>E. acutus</i> Setchell et Gardner, <i>E. acutus</i> var. <i>haplogloiae</i> ; see Kim and Lee, 1992]		ep	
	<i>E. corticulatus</i> Saunders		ep	
	<i>E. dimorphus</i> Silva [<i>E. variabilis</i>]		ep	
	<i>E. parvus</i> (Saunders) Hollenberg [<i>E. pygmaeus</i> , <i>E. confervoides</i> var. <i>pygmaeus</i>]	2	ep	
	<i>E. siliculosus</i> (Dillwyn) Lyngbye [<i>E. confervoides</i> var. <i>confervoides</i> , <i>E. terminalis</i> , <i>E. simulans</i>]		ep	
	<i>Egregia</i>			
	<i>E. menziesii</i> (Turner) Areschoug			
	<i>Elachista</i>			
	<i>E. fucicola</i> (Vellay) Areschoug	2	ep	
	<i>Eudesme</i>			
	<i>E. virescens</i> (Carmichael ex Harvey in Hooker) J. Agardh [needs reconfirmation in Oregon]			
	<i>Feldmannia</i>			
N	<i>F. irregularis</i> (Kützing) Hamel [<i>Ectocarpus mucronatus</i>]	2		
N	<i>F. paradoxa</i> var. <i>cylindrica</i> (Saunders) Kim et Lee [<i>F. cylindrica</i> ; <i>F. simplex</i> Scagel et al.; see Kim and Lee, 1994]	1	ep+ez	
	<i>Fucus</i>			
N	<i>F. gardneri</i> Silva [<i>F. distichus</i> (all subsp.), <i>F. evanescens</i> (all formae)]			
	<i>Giffordia</i> [see <i>Hincksia</i>]			
	<i>Gononema</i> [<i>Streblonema</i>]			

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		Size	Habit + Assoc.	Habitat
N	<i>G. aecidioides</i> (Rosenvinge) Pedersen [<i>Streblonema aecidioides</i>]	1	ep	
	<i>Haplogloia</i>			
	<i>H. andersonii</i> (Farlow) Levring			
	<i>Hecatonema</i>			
	<i>H. primarium</i> (Setchell et Gardner) Loiseaux	1	ep	
	<i>H. streblonematoides</i> (Setchell et Gardner) Loiseaux	1		
	<i>Hedophyllum</i>			
	<i>H. sessile</i> (C. Agardh) Setchell [<i>H. subsessile</i> in Oregon]			
	<i>Hincksia</i> [<i>Giffordia</i> , see Silva, et al., 1987]			
N	<i>H. granulosa</i> (J. E. Smith) Silva [<i>G. granulosa</i> , <i>G. oviger</i>]		ep	
N	<i>H. sandriana</i> (Zanardini) Silva [<i>G. granulosoidea</i> , <i>G. sandriana</i>]			
	<i>Laminaria</i>			
N	<i>L. sp.</i> [<i>L. cuneifolia</i> , <i>L. groenlandica</i> , <i>L. bongardiana</i>]			
	<i>L. ephemera</i> Setchell			
	<i>L. saccharina</i> (Linnaeus) Lamouroux [<i>L. saccharina</i> f. <i>saccharina</i> , <i>L. saccharina</i> f. <i>membranacea</i>]			sub+sh
N	<i>L. setchellii</i> Silva [<i>L. dentigera</i>]			
	<i>L. sinclairii</i> (Harvey ex Hooker et Harvey) Farlow, Anderson et Eaton			
	<i>Leathesia</i>			
	<i>L. difformis</i> (Linnaeus) Areschoug [<i>L. nana</i>]			
	<i>Lessoniopsis</i>			
	<i>L. littoralis</i> (Tilden) Reinke			
	<i>Macrocystis</i>			
	<i>M. integrifolia</i> Bory			sub+sh
	<i>Melanosiphon</i> [<i>Myelophycus</i>]			
	<i>M. intestinalis</i> (Saunders) Wynne [<i>M. intestinalis</i> f. <i>tenuis</i>]			
	<i>Myrionema</i>			
	<i>M. corunnae</i> Sauvageau [<i>M. corunnae</i> var. <i>sterile</i>]	1	ep	
	<i>M. phyllophilum</i> Setchell et Gardner	1	ep	sub
	<i>Nereocystis</i>			
	<i>N. luetkeana</i> (Mertens) Postels et Ruprecht			sub
	<i>Pachydictyon</i> [see <i>Dictyota</i>]			
	<i>Pelvetiopsis</i>			
	<i>P. limitata</i> Gardner			
	<i>Petalonia</i>			
	<i>P. fascia</i> (Müller) Kuntze			
	<i>Petrospongium</i> [<i>Cylindrocarpus</i>]			
N	<i>P. rugosum</i> (Okamura) Setchell et Gardner [<i>C. rugosus</i> , see Womersley, 1987, p. 100]			
	<i>Phaeostrophion</i>			
	<i>P. irregulare</i> Setchell et Gardner			
	<i>Pilayella</i>			
	<i>P. gardneri</i> Collins in Collins, Holden et Setchell	2	ep	
	<i>P. littoralis</i> f. <i>littoralis</i> (Linnaeus) Kjellman			
R	<i>P. littoralis</i> f. <i>rupicola</i> (Areschoug) Kjellman [Markham and Celestino, 1976]			
	<i>P. tenella</i> Setchell et Gardner	2	ep	
	<i>P. unilateralis</i> Setchell et Gardner			
	<i>Pleurophycus</i>			
	<i>P. gardneri</i> Setchell et Saunders ex Tilden			
	<i>Postelsia</i>			
	<i>P. palmaeformis</i> Ruprecht			
	<i>Pterygophora</i>			
	<i>P. californica</i> Ruprecht			sub
	<i>Punctaria</i>			
	<i>P. hesperia</i> Setchell et Gardner		ep	
	<i>Ralfsia</i>			
R	<i>R. californica</i> Setchell et Gardner emend. Hollenberg [Hansen, Otter Crest (6 June 94); probable alternate of <i>Petalonia</i> spp.]		c	
	<i>R. fungiformis</i> (Gunnerus) Setchell et Gardner		c	
	<i>R. pacifica</i> Hollenberg in G. M. Smith		c	
	<i>Sargassum</i>			
	<i>S. muticum</i> (Yendo) Fensholt			
	<i>Saundersella</i>			

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		Size	Habit + Assoc.	Habitat
R	<i>S. simplex</i> (Saunders) Kylin [Hansen, Otter Crest (13 Aug 95); Henry, Boiler Bay (1 Aug 77, 17 July 95)]		ep	
	<i>Scytosiphon</i>			
	<i>S. dotyi</i> Wynne			
N	<i>S. simplicissimus</i> (Clemente) Cremades [<i>S. lomentaria</i>]			
	<i>Scytothamnus</i>			
R	<i>S. sp.</i> [Henry, Otter Crest (10 June 94), OIMB boathouse (21 March 92)]			
	<i>Soranthera</i>			
	<i>S. ulvoidea</i> Postels et Ruprecht f. <i>ulvoidea</i>		ep	
R	<i>S. ulvoidea</i> f. <i>difformis</i> Setchell et Gardner [Markham and Celestino, 1976]			
	<i>Sorocarpus</i> [see <i>Botrytella</i>]			
	<i>Sphacelaria</i>			
	<i>S. didichotoma</i> Saunders	1	ep	
R	<i>S. plumigera</i> Holmes [Henry, Hansen, Otter Crest (17 Jan 92, 10 June 94)]			
	<i>S. racemosa</i> Greville			
	<i>S. rigidula</i> Kützing [<i>S. furcigera</i>]	2		
	<i>Spongonema</i>			
N	<i>S. tomentosa</i> (Hudson) Kützing [<i>Ectocarpus tomentosus</i> ; Henry, Ecola State Pk (12 July 91), Seal Rock (28 June 91)]	2	ep	
	<i>Stictyosiphon</i>			
	<i>S. tortilis</i> (Ruprecht) Reinke			sub
	<i>Streblonema</i> [see <i>Gononema</i>]			
	<i>S. evagatum</i> Setchell et Gardner	1	ep	
	<i>S. myrionematoides</i> Setchell et Gardner	1	ep	
	<i>S. vorax</i> Setchell et Gardner	1	ep	
	RHODOPHYTA			
	<i>Aglaothamnion</i>			
	<i>A. endovagum</i> (Setchell et Gardner) Abbott	1	ep	
	<i>Ahnfeltia</i> [see <i>Ahnfeltiopsis</i>]			
N	<i>A. fastigiata</i> (Postels et Ruprecht) Makienko [<i>A. plicata</i>]			
	<i>Ahnfeltiopsis</i> [<i>Ahnfeltia</i> , <i>Gymnogongrus</i>]			
N	<i>A. gigartinoides</i> (J. Agardh) Silva et DeCew [<i>Ahnfeltia gigartinoides</i> ; <i>Ahnfeltiopsis pacifica</i> Silva et DeCew in Silva, <i>nom. nud.</i>]			
N	<i>A. leptophylla</i> (J. Agardh) Silva et DeCew [<i>Gymnogongrus leptophyllus</i>]			
N	<i>A. linearis</i> (C. Agardh) Silva et DeCew [<i>Gymnogongrus linearis</i>]			
	<i>Amplisiphonia</i>			
	<i>A. pacifica</i> Hollenberg			
	<i>Anisocladella</i> [see <i>Erythroglossum</i>]			
	<i>Antithamnion</i>			
N	<i>A. densum</i> (Suhr) Howe [<i>A. defectum</i> , <i>A. pygmaeum</i>]		ep	
	<i>A. kylinii</i> Gardner		ep	
	<i>Antithamnionella</i>			
	<i>A. pacifica</i> (Harvey) Wollaston [<i>A. pacifica</i> var. <i>pacifica</i> , <i>A. pacifica</i> var. <i>uncinata</i>]		ep	sub
N	<i>A. spirographidis</i> (Schiffner) Wollaston [<i>Antithamnion tenuissimum</i> , <i>Antithamnionella glandulifera</i>]		ep	
	<i>Arthrocardia</i>			
R	<i>A. silvae</i> Johansen [<i>Bossiella californica</i> subsp. <i>californica</i> , Markham and Celestino, 1976]			
	<i>Asterocolax</i>			
	<i>A. gardneri</i> (Setchell) Feldmann et Feldmann	1	p	
	<i>Audouinella</i> [<i>Acrochaetium</i> , <i>Rhodochorton</i> , <i>Kylinia</i>]			
N	<i>A. amphiroae</i> (Drew) Garbary in Hansen, Garbary, Oliveira et Scagel [<i>Acrochaetium amphiroae</i>]	1	ep	
R	<i>A. arcuata</i> (Drew) Garbary, Hansen et Scagel [<i>K. arcuata</i> , <i>K. gynandra</i> ; Markham and Celestino, 1976]	1	ep	
R	<i>A. conrescens</i> (Drew) Dixon in Parke et Dixon [Hansen, Seal Rock, 6 May 1996]	1	ez	
N	<i>A. desmarestiae</i> (Kylin) Garbary, Hansen et Scagel [<i>Acrochaetium desmarestiae</i>]	1	ep	
N	<i>A. pacifica</i> (Kylin) Garbary [<i>Acrochaetium pacificum</i>]	1	ep+ez	
R	<i>A. plumosa</i> var. <i>plumosa</i> (Drew) Garbary [<i>Acrochaetium plumosum</i> var. <i>plumosum</i> ; Markham and Celestino, 1976]	1	ep	
N	<i>A. plumosa</i> var. <i>variabile</i> (Drew) Garbary, Hansen et Scagel [<i>Acrochaetium variabile</i>]	1	ep	
R	<i>A. porphyrae</i> (Drew) Garbary [<i>Acrochaetium porphyrae</i> , <i>Acrochaetium vagum</i> ; Markham and Celestino, 1976]	1	ep	
N	<i>A. purpurea</i> (Lightfoot) Woelkerling [<i>Rhodochorton purpureum</i>]	1		
N	<i>A. subimmersa</i> (Setchell et Gardner) Garbary et Rueness [<i>Acrochaetium subimmersum</i>]	1	ep	

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New	Taxon	C or L Features		
		Size	Habit + Assoc.	Habitat
	<i>Bangia</i>			
N	<i>B. vermicularis</i> [<i>B. fuscopurpurea</i>]			
N	<i>B. atropurpurea</i> [<i>B. fuscopurpurea</i>]			
	<i>Bossiella</i>			
	<i>B. californica</i> (Decaisne) Silva ssp. <i>schmittii</i> (Manza) Johansen [<i>B. californica</i> ssp. <i>californica</i> , <i>B. schmittii</i>]			sub
	<i>B. chiloensis</i> (Decaisne) Johansen			sub
R	<i>B. orbigniana</i> subsp. <i>dichotoma</i> (Manza) Johansen [Markham and Celestino, 1976]			
	<i>B. orbigniana</i> (Decaisne) Silva subsp. <i>orbigniana</i>			sub
	<i>B. plumosa</i> (Manza) Silva			
	<i>Botryocladia</i>			
	<i>B. pseudodichotoma</i> (Farlow) Kylin			sub
	<i>Botryoglossum</i> [see <i>Cryptopleura</i>]			
	<i>Calliarthron</i>			
	<i>C. tuberosum</i> (Postels et Ruprecht) Dawson [<i>C. regenerans</i> , <i>C. cheilosporioides</i>]			sub
	<i>Callithamnion</i>			
	<i>C. acutum</i> Kylin			
	<i>C. pikeanum</i> var. <i>laxum</i> (Setchell et Gardner) Doty [<i>C. pikeanum</i>]			
	<i>C. pikeanum</i> Harvey var. <i>pikeanum</i>			
	<i>Callophyllis</i>			
	<i>C. crenulata</i> Setchell			
	<i>C. edentata</i> Kylin			sub
	<i>C. flabellulata</i> Harvey			sub
	<i>C. heanophylla</i> Setchell			sub
	<i>C. obtusifolia</i> J. Agardh		ep	
	<i>C. pinnata</i> Setchell et Swezy in Setchell		ep+ez	
N	<i>C. stenophylla</i> Setchell [<i>C. oregona</i> ; Doty, 1947b]			sub
	<i>C. violacea</i> J. Agardh			
	<i>Ceramium</i>			
	<i>C. californicum</i> J. Agardh		ep	
	<i>C. codicola</i> J. Agardh		ep	
	<i>C. eatonianum</i> (Farlow) De Toni			
	<i>C. gardneri</i> Kylin			
	<i>C. pacificum</i> (Collins) Kylin			
	<i>C. washingtoniense</i> Kylin			
	<i>Chondracanthus</i> [<i>Gigartina</i>]			
N	<i>C. canaliculatus</i> (Harvey) Guiry in Hommersand, Guiry, Fredericq, et Leister [<i>G. canaliculata</i>]			
N	<i>C. corymbiferus</i> (Kützing) Guiry in Hommersand, Guiry, Fredericq, et Leister [<i>G. corymbifera</i>]			
N	<i>C. exasperatus</i> (Harvey et Bailey) Hughey in Hughey, Dudash and Kjeldsen 1996 [<i>G. exasperata</i>]			sub
R	<i>C. harveyanus</i> (Kützing) Guiry in Hommersand, Guiry, Fredericq, et Leister [<i>G. harveyana</i> ; Markham and Celestino, 1976]			
	<i>Chondrus</i>			
R	<i>C. ocellatus</i> Holmes f. <i>parvus</i> Mikami [Scagel, et al., 1989; needs reinvestigation in NE Pacific]			
	<i>Choreocolax</i> [see <i>Leachiella</i>]			
	<i>Clathromorphum</i>			
	<i>C. parcum</i> (Setchell et Foslie in Foslie) Adey	2	ep+c	
	<i>Constantinea</i>			
	<i>C. simplex</i> Setchell			
	<i>Corallina</i>			
	<i>C. frondescens</i> Postels et Ruprecht			
	<i>C. officinalis</i> var. <i>chilensis</i> (Decaisne in Harvey) Kützing [<i>C. chilensis</i>]			
	<i>C. vancouveriensis</i> Yendo			
	<i>Cryptonemia</i> [see <i>Isabbotae</i>]			
	<i>C. borealis</i> Kylin			sub
	<i>C. obovata</i> J. Agardh			sub
	<i>Cryptopleura</i> [<i>Botryoglossum</i>]			
	<i>C. crispa</i> Kylin		ep	
N	<i>C. farlowiana</i> (J. Agardh) ver Steeg et Josslyn comb. nov. (basionym = <i>Nitophyllum farlowianum</i> J. Agardh 1898: 95) [<i>Botryoglossum farlowianum</i> var. <i>farlowianum</i> , <i>B. farlowianum</i> var. <i>anomalum</i>]			

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New	Taxon	C or L Features			
		Size	Habit + Assoc.	Habitat	
N	<i>C. lobulifera</i> (J. Agardh) Kylin			sub	
	<i>C. ruprechtiana</i> (J. Agardh) Kylin [<i>Botryoglossum ruprechtiana</i>]				
	<i>C. violacea</i> (J. Agardh) Kylin				
	<i>Cryptosiphonia</i>				
	<i>C. woodii</i> (J. Agardh) J. Agardh				
	<i>Cumagloia</i>				
	<i>C. andersonii</i> (Farlow) Setchell et Gardner in Gardner				
	<i>Delesseria</i>				
	<i>D. decipiens</i> J. Agardh				
	<i>Dilsea</i>				
	<i>D. californica</i> (J. Agardh) Kuntze				
	<i>Endocladia</i>				
	<i>E. muricata</i> (Postels et Ruprecht) J. Agardh				
	<i>Erythrocladia</i> [see <i>Sahlingia</i>]				
	<i>E. irregularis</i> Rosenvinge	1	ep+c		
	<i>Erythrogloum</i>				
	<i>E. californicum</i> (J. Agardh) J. Agardh [<i>Anisocladella pacifica</i> , <i>Psammophyllum californicum</i> Silva et Moe nom. nud.]				
	<i>Erythrophyllum</i>				
	<i>E. delesserioides</i> J. Agardh				
	<i>E. splendens</i> Doty				
	<i>Erythrotrichia</i>				
	<i>E. carnea</i> (Dillwyn) J. G. Agardh	1	ep		
	<i>E. pulvinata</i> Gardner	1	ep		
	<i>E. welwitschii</i> (Ruprecht) Batters [needs reinvestigation]	1			
	<i>Farlowia</i>				
	<i>F. conferta</i> (Setchell) Abbott				
	<i>F. mollis</i> (Harvey et Bailey) Farlow et Setchell in Collins, Holden et Setchell				
	<i>Faucheia</i>				
	<i>F. laciniata</i> J. Agardh				
	<i>Fryeella</i>				
	<i>F. gardneri</i> (Setchell) Kylin				sub
	<i>Gastroclonium</i>				
	<i>G. subarticulatum</i> (Turner) Kützing				
	<i>Gelidium</i>				
	<i>G. coulteri</i> Harvey				
	<i>G. purpurascens</i> Gardner				
	<i>G. pusillum</i> (Stackhouse) Le Jolis [needs reinvestigation]				
	<i>Gigartina</i> [see <i>Chondracanthus</i> , <i>Mastocarpus</i> , and <i>Mazzaella</i>]				
	<i>Gloiopeltis</i>				
	<i>G. furcata</i> (Postels et Ruprecht) J. Agardh				
	<i>Gloiosiphonia</i>				
	<i>G. capillaris</i> (Hudson) Berkeley				
	<i>G. verticillaris</i> Farlow				
	<i>Gracilaria</i>				
	<i>G. pacifica</i> Abbott [<i>G. verrucosa</i>]				sh
<i>Gracilariophila</i>					
<i>G. oryzoides</i> Setchell et Wilson in Wilson	1	p			
<i>Gracilariopsis</i>					
<i>G. sjostedtii</i> Kylin [Fredericq and Liao, pers. com., based on unpublished isozyme and molecular data; <i>Gracilaria sjostedtii</i> ; <i>Gracilariopsis lemaneiformis</i>]					
<i>Grateloupia</i> [also see <i>Norrissii</i>]					
<i>G. doryphora</i> (Montagne) Howe					
<i>Griffithsia</i>					
<i>G. pacifica</i> Kylin					
<i>Gymnogongrus</i> [see <i>Ahnfeltiopsis</i>]					
<i>G. chiton</i> (Howe) Silva et DeCew in Silva [<i>G. platyphyllus</i>]					
<i>Halosaccion</i>					
<i>H. glandiforme</i> (S. G. Gmelin) Ruprecht [<i>H. americanum</i> Lee is used in Mitmann and Phinney (1985), but Mitmann (1983) describes only 2 spermatangia/mother cell, a feature of <i>H. glandiforme</i> according to Lee (1982)]					
<i>Halymenia</i>					
<i>H. californica</i> Smith et Hollenberg [Markham and Celestino, 1976]			sub		

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New	Taxon	C or L Features		
		Size	Habit + Assoc.	Habitat
N	[<i>Iridaea cordata</i> var. <i>cordata</i> , <i>I. cordata</i> var. <i>splendens</i>] <i>M. volans</i> (C. Agardh) Fredericq in Hommersand, Guiry, Fredericq et Leister [<i>Gigartina volans</i>]			
	<i>Melobesia</i>			
	<i>M. marginata</i> Setchell et Foslie in Foslie	1	ep+c	
	<i>M. mediocris</i> (Foslie) Setchell et Mason	1	ep+c	
	<i>Membranoptera</i>			
	<i>M. dimorpha</i> Gardner			
	<i>M. multiramosa</i> Gardner			
	<i>M. platyphylla</i> (Setchell et Gardner) Kylin			
	<i>M. weeksiae</i> Setchell et Gardner in Gardner			
	<i>Mesophyllum</i>			
	<i>M. conchatum</i> (Setchell et Foslie in Foslie) Adey		ep+c	
	<i>M. lamellatum</i> (Setchell et Foslie in Foslie) Adey		c	
	<i>Microcladia</i>			
	<i>M. borealis</i> Ruprecht			
	<i>M. coulteri</i> Harvey		ep	
	<i>Myriogramme</i>			
	<i>M. spectabilis</i> (Eaton) Kylin		ep	sub
	<i>Nemalion</i>			
	<i>N. helminthoides</i> (Vellay in Withering) Batters			
	<i>Neogardhiella</i> [see <i>Sarcodiotheca</i>]			
	<i>Neoptilota</i>			
N	<i>N. asplenioides</i> (Esper) Kylin ex Scagel, Garbary, Golden et Hawkes [<i>Ptilota asplenioides</i>]		ep	
	<i>N. californica</i> (Harvey) Kylin		ep	
	<i>N. densa</i> (C. Agardh) Kylin ex Abbott et Hollenberg		ep	
	<i>N. hypnoides</i> (Harvey) Kylin ex Abbott et Hollenberg			
	<i>Neorhodomela</i> [<i>Rhodomela</i> , <i>Odonthalia</i> (in part)]			
N	<i>N. larix</i> (Turner) Masuda [<i>R. larix</i>]			
N	<i>N. oregona</i> (Doty) Masuda [<i>O. oregona</i>]			
	<i>Nienburgia</i>			
	<i>N. andersoniana</i> (J. Agardh) Kylin			
	<i>Nitophyllum</i>			
	<i>N. cincinnatum</i> Abbott		ep	sub
R	<i>N. dotyi</i> Abbott [Abbott, 1969]			sub
	<i>Norrissia</i> [<i>Grateloupia</i> , in part]			
N	<i>N. setchellii</i> (Kylin) Balakrishnan [<i>Grateloupia setchellii</i> ; needs nomenclatural reinvestigation and renaming because the genus is a later homonym of <i>Norrissia</i> Gardner, a genus of phanerogams (Scagel et al., 1989)]			
	<i>Odonthalia</i> [see <i>Neorhodomela</i>]			
	<i>O. floccosa</i> (Esper) Falkenberg			
	<i>O. washingtoniensis</i> Kylin			
	<i>O. sp.</i> [<i>O. lyallii</i> in Phinney]			
	<i>Opuntiella</i>			
	<i>O. californica</i> (Farlow) Kylin [<i>Cruoria profunda</i> ; DeCew et al., 1992]			sub
	<i>Osmundea</i> [<i>Laurencia</i> (in part)]			
N	<i>O. spectabilis</i> (Postels et Ruprecht) Nam in Nam, Maggs, et Garbary [<i>Laurencia spectabilis</i>]			
	<i>Palmaria</i> [<i>Rhodymenia</i> (in part)]			
R	<i>P. hecatensis</i> Hawkes [Hansen, Cape Blanco (14 July 95)]			
N	<i>P. mollis</i> (Setchell et Gardner) van der Meer et Bird [<i>Rhodymenia palmata</i> f. <i>mollis</i>]			
	<i>Petrocelis</i> [see <i>Mastocarpus</i>]			
	<i>Peyssonnelia</i>			
	<i>P. meridionalis</i> Hollenberg et Abbott		c	
	<i>P. pacifica</i> Kylin		c	
	<i>Phycodryis</i>			
	<i>P. isabellae</i> Norris et Wynne			sub
	<i>P. setchellii</i> Skottsberg			
	<i>Pikea</i>			
	<i>P. californica</i> Harvey [<i>P. robusta</i> , but see Maggs and Ward, 1996]			
	<i>Platythamnion</i> [see <i>Pterothamnion</i>]			
	<i>Plocamiocolax</i>			
	<i>P. pulvinata</i> Setchell	1	p	sub

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New	Taxon	C or L Features		
		Size	Habit + Assoc.	Habitat
	<i>Plocamium</i>			
	<i>P. cartilagineum</i> (Linnaeus) Dixon			
	<i>P. oregonum</i> Doty			
	<i>P. violaceum</i> Farlow [<i>P. tenue</i>]			
	<i>Polyneura</i>			
	<i>P. latissima</i> (Harvey) Kylin			
	<i>Polyneuropsis</i>			
R	<i>P. stolonifera</i> Wynne, McBride et West [Markham and Celestino, 1976]			
	<i>Polysiphonia</i>			
N	<i>P. eastwoodae</i> Setchell et Gardner [<i>P. mollis</i>]			
	<i>P. hendryi</i> Gardner var. <i>hendryi</i>	2	ep	sh
R	<i>P. hendryi</i> var. <i>deliquescens</i> (Hollenberg) Hollenberg [Markham and Celestino, 1976]			
	<i>P. hendryi</i> var. <i>gardneri</i> (Kylin) Hollenberg			
R	<i>P. hendryi</i> var. <i>luxurians</i> (Hollenberg) Hollenberg [Markham and Celestino, 1976]			
	<i>P. pacifica</i> Hollenberg var. <i>pacifica</i>			sub
	<i>P. pacifica</i> var. <i>delicatula</i> Hollenberg			
R	<i>P. pacifica</i> var. <i>distans</i> Hollenberg [Markham and Celestino, 1976]			
	<i>P. paniculata</i> Montagne			
	<i>P. scopulorum</i> var. <i>villum</i> (J. Agardh) Hollenberg	2		
R	<i>P. urceolata</i> (Lightfoot ex Dillwyn) Greville [Markham and Celestino, 1976]			
	<i>Porphyra</i>			
N	<i>P. cuneiformis</i> (Setchell et Hus) Krishnamurthy [<i>P. miniata</i>]			
R	<i>P. fallax</i> Lindstrom et Cole subsp. <i>falax</i> [Lindstrom and Cole, 1992]			
R	<i>P. fallax</i> subsp. <i>conwayae</i> Lindstrom et Cole [Lindstrom and Cole, 1992]			
R	<i>P. fucicola</i> Krishnamurthy [Lindstrom and Cole, 1992]		ep	
N	<i>P. gardneri</i> (Smith et Hollenberg) Hawkes [<i>Porphyrella gardneri</i>]		ep	
	<i>P. lanceolata</i> (Setchell et Hus) Smith in Smith et Hollenberg			
R	<i>P. mumfordii</i> Lindstrom et Cole [Lindstrom and Cole, 1992]			
	<i>P. nereocystis</i> Anderson in Blankinship et Keeler		ep	sub
	<i>P. occidentalis</i> Setchell et Hus in Hus			sub
	<i>P. perforata</i> J. Agardh			
R	<i>P. pseudolanceolata</i> Krishnamurthy [Lindstrom and Cole, 1992]			
R	<i>P. rediviva</i> Stiller et Waaland [Stiller and Waaland, 1996]			sh
	<i>P. schizophylla</i> Hollenberg in Smith et Hollenberg			
R	<i>P. smithii</i> Hollenberg et Abbott [Hansen, Yaquina Head (11 July 91)]		ep	
	<i>P. thuretii</i> Setchell et Dawson in Dawson		ep	sub
	<i>Prionitis</i>			
R	<i>P. cornea</i> (Okamura) Dawson [Markham and Celestino, 1976]			
	<i>P. filiformis</i> Kylin			
	<i>P. lanceolata</i> (Harvey) Harvey			
	<i>P. linearis</i> Kylin			
	<i>P. lyallii</i> Harvey [<i>P. andersonii</i>]			
	<i>Psammophyllum</i> [see <i>Erythroglossum</i>]			
	<i>Pseudogloiophloea</i> [see <i>Scinaia</i>]			
	<i>Pseudolithophyllum</i>			
R	<i>P. neofarlowii</i> (Setchell et Mason) Adey [Markham and Celestino, 1976]		c	
	<i>Pterochondria</i>			
	<i>P. woodii</i> (Harvey) Hollenberg		ep	sub
	<i>Pterocladia</i>			
	<i>P. caloglossoides</i> (Howe) Dawson			
	<i>P. media</i> Dawson [possibly includes <i>Gelidium sinicola</i> ; Renfrew et al., 1989; needs reinvestigation in Oregon]			
	<i>Pterosiphonia</i>			
	<i>P. bipinnata</i> (Postels et Ruprecht) Falkenberg			
	<i>P. dendroidea</i> (Montagne) Falkenberg			
	<i>P. gracilis</i> Kylin [<i>P. dendroidea</i>]			
	<i>Pterothamnion</i> [<i>Platythamnion</i> ; see Athanasiadis and Kraft, 1994]			
N	<i>P. heteromorphum</i> (J. Agardh) Athanasiadis et Kraft [<i>Pl. heteromorphum</i>]			
N	<i>P. pectinatum</i> (Kylin) Athanasiadis et Kraft [<i>Pl. pectinatum</i>]			
N	<i>P. reversum</i> (Setchell et Gardner) Athanasiadis et Kraft [<i>Pl. reversum</i>]			
N	<i>P. villosum</i> (Kylin) Athanasiadis et Kraft [<i>Pl. villosum</i>]			
	<i>Ptilota</i>			

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New	Taxon	C or L Features		
		Size	Habit + Assoc.	Habitat
N	<i>P. filicina</i> J. Agardh <i>P. serrata</i> Kützing [<i>P. pectinata</i> ; needs taxonomic reinvestigation in the NE Pacific, see Masuda and Sasaki, 1990] <i>Pugetia</i> <i>P. fragilissima</i> Kylin <i>Rhodochorton</i> [see <i>Audouinella</i>] <i>Rhodoglossum</i> [see <i>Mazzaella</i>] <i>Rhodophysema</i>			sub
R	<i>R. elegans</i> (Crouan <i>et</i> Crouan <i>ex</i> J. Agardh) P. Dixon [<i>R. elegans v. polystromatica</i> ; Markham and Celestino, 1976] <i>R. georgii</i> Batters <i>Rhodymenia</i> [see <i>Palmaria</i>] <i>R. californica</i> Kylin <i>R. pacifica</i> Kylin [<i>R. rhizoides</i>] <i>R. pertusa</i> (Postels <i>et</i> Ruprecht) J. Agardh <i>Rhodymeniocolax</i> <i>R. botryoides</i> Setchell	2 2	c ep+c	sub
N	<i>Sahlingia</i> [<i>Erythrocladia</i> (in part)] <i>S. subintegra</i> (Rosenvinge) Kornmann [<i>Erythrocladia subintegra</i>]			
N	<i>Sarcodiotheca</i> [<i>Neoagardhiella</i>] <i>S. gaudichaudii</i> (Montagne) Gabrielson [<i>Neoagardhiella baileyi</i>]	1	ep+c	
N	<i>Scagelia</i> <i>S. occidentale</i> (Kylin) Wollaston [<i>S. pylaisaei</i> (in part), <i>S. corallina</i> var. <i>occidentale</i> ; Athanasiadis, 1996, states that preliminary tests show intersterility between <i>S. occidentale</i> and the morphologically identical <i>S. americana</i> from the North Atlantic; hence, the original northeast Pacific name is adopted here until further investigations can be completed] <i>Schimmelmannia</i> <i>S. plumosa</i> (Setchell) Abbott <i>Schizymenia</i> <i>S. epiphytica</i> (Setchell <i>et</i> Lawson) Smith <i>et</i> Hollenberg [<i>Peyssonelliopsis epiphytica</i> ; Alongi and Cormaci, 1993, suggest this species be renamed <i>Opuntiella epiphytica</i> but additional morphological and molecular data are necessary to support this proposal] <i>S. pacifica</i> (Kylin) Kylin [<i>Cruoria profunda</i> ; DeCew <i>et al.</i> , 1992b]			sub
N	<i>Scinaia</i> [<i>Pseudogloiophloea</i>] <i>S. confusa</i> (Setchell) Huisman [<i>Pseudogloiophloea confusa</i>] <i>Smithora</i> <i>S. naiadum</i> (Anderson) Hollenberg <i>Stenogramma</i> <i>S. interrupta</i> (C. Agardh) Montagne		ep	
	SPERMATOPHYTA, Seagrasses <i>Phyllospadix</i> <i>P. torreyi</i> Watson [Phillips and Menez, 1988] <i>P. scouleri</i> Hooker [Phillips and Menez, 1988] <i>P. serrulatus</i> Ruprecht <i>ex</i> Ascherson [Phillips and Menez, 1988] <i>Zostera</i> <i>Z. japonica</i> Ascherson <i>et</i> Graebner [Hansen, Yaquina Bay, 5 Sep 94] <i>Z. marina</i> Linnaeus [Bayer, 1979]			sh sh
	EXCLUDED TAXA: CHLOROPHYTA <i>Acrosiphonia duriuscula</i> (Ruprecht) Yendo [<i>Spongomorpha duriuscula</i> ; Doty, 1947a; Alaskan and Arctic] <i>Tetraselmis chui</i> Butcher [Hori, <i>et al.</i> , 1986; reported from Oregon but it is unicellular and not covered by this paper] RHODOPHYTA <i>Kallymenia reniformis</i> (Turner) J. Agardh [Markham and Celestino, 1976; Atlantic, not confirmed for the Pacific] <i>Petroglossum pacificum</i> Hollenberg [southern California] <i>Rhodomela lycopodioides</i> (Linnaeus) C. Agardh [Markham and Celestino, 1976; Western Pacific, Alaskan, Arctic, N. Atlantic]			sub

Appendix II

Marine Algal and Seagrass Taxa with One or More Distributional Boundaries within Oregon

TAXA REPORTED FROM OREGON AND NORTH

CHLOROPHYTA

Acrosiphonia arcta
Acrosiphonia spinescens
Bryopsis plumosa
Chaetomorpha melagonium
Chaetomorpha picquotiana
Cladophora hutchinsiae
Rosenvingiella polyrhiza
Ulvaria obscura var. *blyttii*

HETEROKONTOPHYTA —

XANTHOPHYCEAE

Vaucheria velutina

HETEROKONTOPHYTA —

PHAEOPHYCEAE

Alaria nana
Chordaria flagelliformis

Coilodesme bulligera
Compsomena sessile
Cystoseira geminata
Desmarestia aculeata
Dictyosiphon foeniculaceus
Eudesme virescens
Myrionema phyllophilum
Saundersella simplex
Scytothamnus sp.
Soranthera ulvoidea f. *difformis*
Streblonema vorax

RHODOPHYTA

Callithamnion pikeanum var. *laxum*
Callophyllis edentata
Ceramium washingtoniense
Chondrus ocellatus f. *parvus*
Herposiphonia grandis

Membranoptera platyphylla
Neoptilota asplenioides
Palmaria hecatensis
Polysiphonia hendryi v. *luxurians*
Polysiphonia urceolata
Porphyra fallax subsp. *conwayae*
Porphyra fallax subsp. *fallax*
Porphyra fucicola
Porphyra mumfordii
Porphyra pseudolanceolata
Pterosiphonia gracilis
Ptilota serrata
Rhodophysema georgii
Rhodymenia pertusa

SPERMATOPHYTA —

SEAGRASSES

Phyllospadix serrulatus

TAXA REPORTED FROM OREGON AND SOUTH

CHLOROPHYTA

Chaetomorpha aerea
Cladophora graminea
Urospora doliifera

HETEROKONTOPHYTA —

PHAEOPHYCEAE

Botrytella pacifica
Compsomena intricatum
Cystoseira osmundacea
Desmarestia latifrons
Myrionema corunnae

Scytosiphon dotyi
Sphacelaria didichotoma
Streblonema evagatum
Streblonema myrionematoides

RHODOPHYTA

Callophyllis obtusifolia
Callophyllis stenophylla
Chondracanthus canaliculatus
Cryptopleura crispa
Erythrogllossum californicum
Erythrophyllum splendens
Erythrotrichia welwitschii

Farlowia conferta
Gelidium pusillum
Hymenena cuneifolia
Leptofaucha pacifica
Lithophyllum grumosum
Mazzaella volans
Peyssonnelia meridionalis
Polysiphonia pacifica var. *delicatula*
Pterocladia media
Schimmelmanna plumosa
Schizymenia epiphytica

TAXA REPORTED ONLY FROM OREGON

CHLOROPHYTA

Cladophora pulverulenta
Ulothrix zonata

HETEROKONTOPHYTA —

PHAEOPHYCEAE

Acinetospora sp.
Pilayella unilateralis
Sphacelaria plumigera

RHODOPHYTA

Nitophyllum dotyii

Appendix III

Marine Algal Taxa with West Coast Distributions Skipping Oregon (Taxa unknown in Oregon that are reported from both SE Alaska-Washington and California)

(N = New names since Abbott and Hollenberg (1976). See Appendix I for complete key)

New	Taxon	C or L Features		
		Size	Habit +Assoc.	Habitat
	CHLOROPHYTA			
	<i>Blidingia marginata</i> (J. Agardh) Dangeard			
	<i>Bolbocoleon piliferum</i> Pringsheim	1	ep	
	<i>Chaetomorpha californica</i> Collins in Collins, Holden <i>et</i> Setchell	2		
	<i>Cladophora albida</i> (Hudson) Kützing			
	<i>Entocladia cingens</i> Setchell <i>et</i> Gardner	1	ep	
	<i>Monostroma grevillei</i> (Thuret) Wittrock			
	<i>Ostreobium quekettii</i> Bornet <i>et</i> Flahault	1	ez	sh
	<i>Percursaria dawsonii</i> Hollenberg <i>et</i> Abbott	2	ez	
	<i>Phaeophila dendroides</i> (Crouan <i>et</i> Crouan) Batters	1	ez+ep	
	<i>Pseudopringsheimia apiculata</i> Setchell <i>et</i> Gardner	1	ep	
	<i>Ulvella setchellii</i> Dangeard	1	ep+c	
	HETEROKONTOPHYTA, Phaeophyceae			
	<i>Agarum clathratum</i> Dumortier (<i>Agarum cribrorum</i> Harvey)			sub
	<i>Composnema serpens</i> Setchell <i>et</i> Gardner	1	ep	
	<i>Composnema sporangiiferum</i> Setchell <i>et</i> Gardner	1	ep	
	<i>Desmarestia foliacea</i> Pease			sub
	<i>Desmarestia kurilensis</i> Yamada			sub
	<i>Desmarestia viridis</i> (Müller) Lamouroux			sub
	<i>Eisenia arborea</i> Areschoug			sub
	<i>Laminaria farlowii</i> Setchell			sub
	<i>Myrionema balticum</i> (Reinke) Foslie	1	ep	
	<i>Myrionema globosum</i> f. <i>affine</i> Setchell <i>et</i> Gardner	1	ep	
	<i>Myrionema strangulans</i> Greville	1	ep	
	<i>Petroderma maculiforme</i> (Wollny) Kukuck		c	
	<i>Punctaria occidentalis</i> Setchell <i>et</i> Gardner		ep	sub
	<i>Ralfsia confusa</i> Hollenberg		c	
	<i>Streblonema pacificum</i> Saunders	1	ep	
	<i>Streblonema porphyrae</i> Setchell <i>et</i> Gardner	1	ep	
	<i>Streblonema transfixum</i> Setchell <i>et</i> Gardner	1	ep	
	<i>Syringoderma abyssicola</i> (Setchell <i>et</i> Gardner) Levring	2		sub
	<i>Syringoderma phinneyi</i> Henry <i>et</i> Müller	2		sub
	RHODOPHYTA			
N	<i>Audouinella bonnemaisoniae</i> (Batters) Dixon in Parke <i>et</i> Dixon [<i>Calaconema bonnemaisoniae</i>]	1	ep	sub
N	<i>Audouinella coccinea</i> (Drew) Garbary, Hansen <i>et</i> Scagel [<i>Acrochaetium coccineum</i>]	1	ep	
N	<i>Audouinella daviesii</i> (Dillwyn) Woelkerling [<i>Acrochaetium daviesii</i>]	1	ep	
N	<i>Audouinella densa</i> (Drew) Garbary [<i>Acrochaetium densum</i>]	1	ep	
N	<i>Audouinella hirsuta</i> (Drew) Garbary, Hansen <i>et</i> Scagel [<i>Kylinia hirsuta</i>]	1	ep	
N	<i>Audouinella macounii</i> (Collins) Garbary, Hansen <i>et</i> Scagel [<i>Acrochaetium macounii</i>]	1	ep	
N	<i>Audouinella microscopica</i> (Naegeli) Woelkerling [<i>Acrochaetium microscopicum</i>]	1	ep	
N	<i>Audouinella rhizoidea</i> (Drew) Garbary [<i>Acrochaetium rhizoideum</i>]	1	ep	
N	<i>Audouinella simplex</i> (Drew) Garbary, Hansen, <i>et</i> Scagel [<i>Acrochaetium pectinatum</i>]	1	ep	
N	<i>Audouinella thuretii</i> (Bornet) Woelkerling [<i>Acrochaetium thuretii</i>]	1	ep	
N	<i>Audouinella</i> sp. (<i>A. moniliformis</i>) [<i>Kylinia moniliformis</i>]	1	ep	
	<i>Besa stipitata</i> Hollenberg <i>et</i> Abbott		c+e	sub
	<i>Bonnemaisonia geniculata</i> Gardner		ep	
	<i>Bonnemaisonia nootkana</i> (Esper) Silva			sub
N	<i>Branchioglossum bipinnatifidum</i> (Montagne) Wynne [<i>B. woodii</i>]	2		
	<i>Callithamnion biserialatum</i> Kylin	2	ep	sub
	<i>Calocolax fungiformis</i> Kylin	1	p	sub

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New	Taxon	C or L Features		
		Size	Habit +Assoc.	Habitat
	<i>Callocolax globulosis</i> Dawson	1	p	sub
	<i>Callophyllis firma</i> (Kylin) Norris			
	<i>Callophyllis thompsonii</i> Setchell			sub
	<i>Ceramium zacaе</i> Setchell et Gardner	1	ep	
	<i>Chiharaea bodegensis</i> Johansen		c+e	
N	<i>Chondracanthus tepidus</i> (Hollenberg) Guiry [<i>Gigartina tepida</i>]			sh
	<i>Chondria dasyphylla</i> (Woodward) C. A. Agardh			
N	<i>Clathromorphum reclinatum</i> (Foslie) Adey [<i>Polyporolithon reclinatum</i>]	1	ep+c	sub
	<i>Cruoria profunda</i> Dawson [tet. of <i>Opuntella</i>]		c	sub
	<i>Cruoriopsis aestuarii</i> Hollenberg [tet. of <i>Gloiosiphonia</i>]		c	
	<i>Cryptopleura corallinara</i> (Nott) Gardner	2	ep	
	<i>Cumathamnion sympodophyllum</i> Wynne et Daniels			
	<i>Dermocorynus occidentalis</i> Hollenberg		c+e	
	<i>Faucheа fryeana</i> Setchell			sub
	<i>Faucheocolax attenuata</i> Setchell	1	p	sub
	<i>Gelidium vagum</i> Okamura	2		sub
	<i>Gonimophyllum skottsbergii</i> Setchell	2	ep	
	<i>Goniotrichopsis sublittoralis</i> Smith in Smith et Hollenberg	1	ep	sub
	<i>Haematocelis rubens</i> J. Agardh		c	
	<i>Herposiphonia verticillata</i> (Harvey) Kylin	2		
	<i>Hollenbergia nigricans</i> (Gardner) Wollaston		ep	
	<i>Lomentaria hakodatensis</i> Yendo			
N	<i>Mazzaella californica</i> (J. Agardh) DeToni [<i>Rhodoglossum californicum</i>]			
N	<i>Minium parvum</i> Moe	2	ep+c	sub
	<i>Neevea repens</i> Batters	1	ez	sub
	<i>Nitophyllum hollenbergii</i> (Kylin) Abbott	2		
	<i>Ozophora latifolia</i> Abbott			sub
	<i>Peyssonnelia profunda</i> Hollenberg et Abbott		c	
	<i>Platysiphonia clevelandii</i> (Farlow) Papenfuss			
	<i>Platysiphonia decumbens</i> Wynne	2		sub
	<i>Pleonosporium squarrosum</i> Kylin	2	ez	
	<i>Pleonosporium squarulosum</i> (Harvey) Abbott		ep	
	<i>Pleonosporium vancouverianum</i> (J. Agardh) J. Agardh	2		
	<i>Polysiphonia brodiaei</i> (Dillwyn) Sprengel			
	<i>Polysiphonia pacifica</i> var. <i>determinata</i> Hollenberg			
	<i>Polysiphonia pacifica</i> var. <i>disticha</i> Hollenberg			
	<i>Polysiphonia pacifica</i> var. <i>gracilis</i> Hollenberg			
N	<i>Porphyra kanakaensis</i> Mumford			
	<i>Porphyropsis coccinea</i> (J. Agardh ex Areschoug) Rosenvinge	2		sub
N	<i>Porphyrostromium boryanum</i> (Montagne) Trevisan [<i>Erythrotrichia boryana</i>]	1	ep	
N	<i>Pseudolithophyllum muricatum</i> (Foslie) Steneck et Paine [<i>Lithophyllum muricatum</i>]		c	
	<i>Ptilothamnionopsis lejolisea</i> (Farlow) Dixon	1	ep	
	<i>Rhodoptilum plumosum</i> (Harvey et Bailey) Kylin			sub
	<i>Sarcodiotheca furcata</i> (Setchell et Gardner) Kylin			sub
	<i>Serraticardia macmillanii</i> (Yendo) Silva			
N	<i>Stylonema alsidii</i> Drew [<i>Goniotrichum alsidium</i>]	1	ep+ez	sub
N	<i>Stylonema cornu-cervi</i> Reinsch [<i>Goniotrichum cornu-cervi</i>]	1	ep+ez	sub
	<i>Tiffaniella synedrae</i> (Farlow) Abbott			
	<i>Yamadaia americana</i> Dawson et Steele		c+e	sub

Please see the 2003 update to these lists.