| scientific\_name | cluster | size\_cm | thickness | position\_to\_benthos | articulated | stipe | midrib | branching | branch\_shape | blades | blade\_category | longevity | coenocyte | attachment | tissue\_complexity | growth | calcification | sd\_growth\_form | ll\_func\_form | pmax\_new | pe\_alpha\_new | cn\_new |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Anisocladella pacifica | 1 | 5 | 1 | upright | n | y | y | irregular | flattened | leaflike | many small | perennial | n | stolon | pseudoparenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched |  |  |  |
| Chondracanthus corymbiferus; Chondracanthus exasperatus | 1 | 100 | 4 | upright | n | y | n | irregular | flattened | leaflike | many small | perennial | n | discoid | pseudoparenchymatous | apical | n | leathery\_macrophyte | thick\_leathery | 1.532 | 0.013 | 11.9 |
| Chondracanthus spinosus | 1 | 40 | 4 | upright | n | y | n | irregular | flattened | leaflike | single | perennial | n | discoid | pseudoparenchymatous | multiaxial | n | corticated\_macrophytes | thick\_leathery |  |  |  |
| Egregia menziesii | 1 | 1,500 | 4 | flexible | n | y | y | irregular | flattened | leaflike | many small | perennial | n | hapterous | parenchymatous | apical | n | leathery\_macrophyte | thick\_leathery | 1.855 | 0.008 |  |
| Laminaria farlowii | 1 | 500 | 4 | flexible | n | y | n | unbranched | none | leaflike | single | perennial | n | hapterous | parenchymatous | intercalary | n | leathery\_macrophyte | thick\_leathery | 1.125 | 0.005 | 12.3 |
| Polyneura latissima | 1 | 45 | 4 | upright | n | y | n | irregular | flattened | leaflike | many small | annual | n | discoid | pseudoparenchymatous | apical | n | corticated\_foliose | coarsely\_branched | 6.035 | 0.138 | 6.1 |
| Pterygophora californica | 1 | 200 | 4 | upright | n | y | n | irregular | terete | leaflike | many large | perennial | n | hapterous | parenchymatous | intercalary | n | leathery\_macrophyte | thick\_leathery | 1.473 | 0.011 | 13.4 |
| Acrosorium ciliolatum | 2 | 20 | 1 | upright | n | n | n | irregular | flattened | not leaflike | many small | perennial | n | rhizoidal | pseudoparenchymatous | apical | n | corticated\_foliose | coarsely\_branched |  |  |  |
| Callophyllis flabellulata | 2 | 18 | 4 | upright | n | n | n | irregular | flattened | leaflike | many small | perennial | n | discoid | pseudoparenchymatous | apical | n | corticated\_macrophytes | thick\_leathery | 4.435 | 0.240 | 7.5 |
| Desmarestia ligulata | 2 | 100 | 1 | flexible | n | n | y | irregular | flattened | leaflike | many small | annual or perennial | n | discoid | pseudoparenchymatous | trichothallic | n | corticated\_macrophytes | thick\_leathery | 3.414 | 0.045 | 10.5 |
| Gloiocladia fryeana | 2 | 34 | 4 | upright or prostrate | n | n | n | irregular | flattened | leaflike | many small | perennial | n | discoid | pseudoparenchymatous | apical | n | corticated\_foliose | coarsely\_branched |  |  |  |
| Osmundea spectabilis | 2 | 30 | 4 | flexible | n | n | n | branching off main axis | flattened | leaflike | many small | perennial | n | discoid | pseudoparenchymatous | apical | n | corticated\_foliose | thick\_leathery |  |  |  |
| Nienburgia andersoniana | 2 |  | 4 | upright or prostrate | n | n | y | irregular | flattened | leaflike | many small | annual | n | discoid | pseudoparenchymatous | apical | n | corticated\_foliose | coarsely\_branched |  |  |  |
| Cryptopleura ruprechtiana | 3 | 50 | 4 | upright | n | n | n | dichotomous | flattened | leaflike | many small | perennial | n | discoid | pseudoparenchymatous | apical | n | corticated\_macrophytes | thick\_leathery | 1.471 | 0.030 | 8.5 |
| Dictyota binghamiae; Dictyota flabellata; Dictyota coriacea | 3 | 35 | 4 | upright | n | n | n | dichotomous | flattened | leaflike | many small | annual | n | stolon | parenchymatous | apical | n | corticated\_foliose | sheet | 3.212 | 0.066 |  |
| Gymnogongrus spp. | 3 | 25 | 4 | upright | n | n | n | dichotomous | varied | leaflike | many small | perennial | n | discoid | parenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched |  |  | 10.3 |
| Phycodrys setchellii | 3 | 20 | 4 | upright | n | n | y | dichotomous | flattened | leaflike | many small | annual | n | rhizoidal | pseudoparenchymatous | apical | n | foliose | coarsely\_branched |  |  |  |
| Prionitis lanceolata | 3 | 30 | 4 | upright | n | y | n | dichotomous | flattened | leaflike | many small | annual | n | discoid | pseudoparenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched |  |  |  |
| Rhodymenia californica | 3 | 11 | 4 | upright | n | y | n | dichotomous | flattened | leaflike | many small | perennial | n | stolon | pseudoparenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched | 1.735 | 0.068 | 7.8 |
| Sarcodiotheca furcata | 3 | 25 | 4 | upright | n | y | n | dichotomous | flattened | leaflike | many small | perennial | n | discoid | pseudoparenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched |  |  |  |
| Stenogramma californicum | 3 | 20 | 4 | upright | n | n | n | dichotomous | flattened | leaflike | many small | perennial | n | discoid | pseudoparenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched |  |  |  |
| Bossiella orbigniana | 4 | 21 | 4 | upright or crustose | y | n | y | dichotomous | flattened | not leaflike | none | perennial | n | crustose | pseudoparenchymatous | apical | y | articulated\_calcareous | jointed\_calcareous |  |  | 6.9 |
| Calliarthron cheilosporioides | 4 | 30 | 4 | upright or crustose | y | n | n | pinnate | flattened | not leaflike | none | perennial | n | crustose | pseudoparenchymatous | intercalary or diffuse | y | articulated\_calcareous | jointed\_calcareous |  |  |  |
| Corallina officinalis | 4 | 20 | 4 | upright or crustose | y | n | n | pinnate | flattened | not leaflike | none | perennial | n | crustose | pseudoparenchymatous | apical | y | articulated\_calcareous | jointed\_calcareous | 2.991 | 0.148 | 8.8 |
| Cladophora graminea | 5 | 10 | 1 | upright | n | n | n | dichotomous | terete | not leaflike | none |  | y | rhizoidal | filamentous | intercalary or diffuse | n | filamentous\_algae | filamentous |  |  |  |
| Codium fragile | 5 | 41 | 1 | flexible | n | n | n | dichotomous | terete | not leaflike | none |  | y | discoid | unicellular | centripetal invagination | n | corticated\_foliose | coarsely\_branched |  |  |  |
| Colpomenia peregrina | 5 | 10 | 4 | upright | n | n | n | unbranched | none | not leaflike | none | annual | n | discoid | parenchymatous | diffuse | n | foliose | sheet |  |  |  |
| Gelidium spp. | 5 | 30 | 3 | upright | n | n | n | irregular | terete | not leaflike | none | perennial | n | rhizoidal | pseudoparenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched |  |  |  |
| Gracilaria spp. | 5 | 200 | 3 | upright | n | n | n | irregular | varied | not leaflike | none | perennial | n | discoid | pseudoparenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched | 2.351 | 0.025 | 7.7 |
| Halosaccion glandiforme | 5 | 25 | 4 | upright | n | y | n | unbranched | none | not leaflike | none | perennial | n | discoid | pseudoparenchymatous | apical | n | foliose | sheet |  |  |  |
| Lithothrix aspergillum | 5 | 13 | 4 | upright | y | n | n | dichotomous | terete | not leaflike | none | perennial | n | crustose | pseudoparenchymatous | apical | y | articulated\_calcareous | jointed\_calcareous |  |  |  |
| Prionitis linearis | 5 | 20 | 4 | upright | n | n | n | dichotomous | terete | not leaflike | none | perennial | n | discoid | pseudoparenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched |  |  |  |
| Scinaia confusa | 5 | 15 | 4 | upright | n | n | n | dichotomous | terete | not leaflike | none | perennial | n | discoid | parenchymatous | apical | n | corticated\_macrophytes | coarsely\_branched |  |  |  |
| Stephanocystis osmundacea | 6 | 800 | 4 | upright | n | y | y | branching off main axis | terete | leaflike | many small | perennial | n | discoid | parenchymatous | apical | n | leathery\_macrophyte | thick\_leathery | 2.281 | 0.033 | 19.9 |
| Dictyopteris undulata | 6 | 24 | 3 | flexible | n | n | y | dichotomous | terete | leaflike | many small | annual | n | rhizoidal | parenchymatous | apical | n | corticated\_foliose | sheet |  |  |  |
| Sargassum horneri | 6 | 300 | 4 | flexible | n | y | n | branching off main axis | terete | leaflike | many small |  | n | discoid | parenchymatous | apical | n | leathery\_macrophyte | thick\_leathery | 3.758 | 0.104 |  |
| Sargassum muticum | 6 | 200 | 4 | flexible | n | y | n | dichotomous | terete | leaflike | many small | annual or perennial | n | discoid | parenchymatous | apical | n | leathery\_macrophyte | thick\_leathery | 5.766 | 0.171 |  |
| Hildenbrandia spp. | 7 | 0 | 4 | crustose | n | n | n | unbranched | none | not leaflike | none | perennial | n | crustose | pseudoparenchymatous | apical | n | crustose | crustose |  |  |  |
| Laurencia spp. | 7 | 30 | 4 | upright | n | n | n | pinnate | varied | leaflike | many small | perennial | n | rhizomal | parenchymatous | apical | n | corticated\_macrophytes | thick\_leathery | 3.738 | 0.094 |  |
| Taonia lennebackerae | 7 | 90 | 4 | upright | n | n | n | unbranched | none | leaflike | many small | perennial | n | rhizoidal | parenchymatous | apical | n | corticated\_foliose | coarsely\_branched |  |  |  |
| Ulva spp. | 7 | 2 | 4 | upright | n | n | n | unbranched | none | leaflike | many small | perennate | n | rhizoidal | parenchymatous | diffuse | n | foliose | sheet |  |  |  |