**Supplementary Table S2:** Species list of unicellular eukaryotes found in Thessaloniki’s Bay during the study period. Asterisk (\*) corresponds to presence, and question mark (?) corresponds to species cell abundance >10 % of the total plankton sample cell abundance. For the pairing of the numbers to sample dates see Table 2.

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| **Taxa** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| **Bacillariophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Asterionellopsis glacialis* (Castracane) Round, 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Bacteriastrum* sp. |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |
| *Chaetoceros affinis* Lauder, 1864 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros curvisetus* Cleve, 1889 |  |  |  |  |  |  |  |  |  | \* | \* |  |  |  |  |  |
| *Chaetoceros danicus* Cleve, 1889 |  |  |  |  |  |  |  |  |  |  | \* | \* |  |  |  |  |
| *Chaetoceros peruvianus* Brightwell, 1856 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros* cf. *simplex* Ostenfeld, 1902 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros tenuissimus* Meunier, 1913 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros* spp. | \*? | \* | \* |  | \* |  |  |  |  | \*? | \*? | \* |  |  |  | \* |
| *Coscinodiscus* sp. |  |  |  |  | \* |  | \* |  | \* |  |  |  |  |  | \* |  |
| *Cyclotella* sp. |  |  |  |  |  |  |  |  | \* | \* |  | \* |  |  |  |  |
| *Cylindrotheca closterium* (Ehrenberg) Reimann & J.C.Lewin, 1964 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Dactyliosolen blavyanus* (H.Peragallo) Hasle, 1975 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dactyliosolen fragilissimus* (Bergon) Hasle, 1996 | \* | \* | \* |  | \* |  |  |  | \*? | \* | \* | \* |  |  |  |  |
| *Dactyliosolen phuketensis* (B.G. Sundström) G.R.Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Detonula* cf. *pumila* (Castracane) Gran, 1900 | \* |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ditylum brightwellii* (T.West) Grunow, 1885 |  |  |  |  |  |  |  |  |  | \* | \* |  |  |  |  |  |
| *Eucampia* cf. *zodiacus* Ehrenberg, 1839 | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Guinardia delicatula* (Cleve) Hasle, 1997 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Guinardia striata* (Stolterfoth) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |
| *Helicotheca tamesis* (Shrubsole) M.Ricard, 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiaulus hauckii* Grunow ex Van Heurck, 1882 |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |
| *Hemiaulus sinensis* Greville, 1865 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiaulus* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptocylindrus danicus* Cleve, 1889 | \*? | \* | \*? | \* | \*? | \*? | \*? | \*? | \*? | \*? | \* | \* | \* |  | \* | \* |
| *Leptocylindrus mediterraneus* (H.Peragallo) Hasle, 1975 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptocylindrus minimus* Gran, 1915 |  |  | \*? |  | \*? |  | \* |  | \*? | \*? | \* | \*? | \* |  | \* | \*? |

**Table (continued):**

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| **Taxa** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| *Licmophora* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |
| *Lioloma pacificum* (Cupp) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Melosira* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Meuniera membranacea* (Cleve) P.C.Silva, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Navicula* sp. | \* |  | \* | \* |  |  | \* |  | \* |  |  |  |  |  |  |  |
| *Nitzschia longissima* (Brébisson) Ralfs, 1861 | \* |  | \* | \* |  |  |  |  | \* |  | \* |  |  |  |  |  |
| *Nitzschia* spp. (small – length < 10 μm) |  | \* | \* | \*? | \* |  |  | \* |  |  |  | \* |  |  |  | \* |
| *Odontella* *mobiliensis* (J.W.Bailey) Grunow, 1884 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pleurosigma normanii* Ralfs, 1861 | \* |  |  | \* |  |  | \* |  | \* | \* | \* |  |  |  |  |  |
| *Proboscia* cf. *alata* (Brightwell) Sundström, 1986 |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
| *Proboscia* sp. |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |
| *Pseudoguinardia recta* Stosch, 1986 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *delicatissima* (Cleve) Heiden, 1928 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *multistriata* (H.Takano) H.Takano, 1995 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *pseudodelicatissima,*(Hasle) Hasle, 1993 |  |  | \* |  | \* |  |  |  |  | \* | \* | \* |  |  |  | \* |
| *Pseudonitzschia* cf. *pungens* (Grunow ex Cleve) G.R.Hasle, 1993 | \* |  | \* |  | \* |  |  |  | \* | \* | \* | \* |  |  |  | \* |
| *Pseudonitzschia* spp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |
| *Rhizosolenia setigera* Brightwell, 1858 | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Rhizosolenia* spp. | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  | \* | \* |
| *Skeletonema costatum* (Greville) Cleve, 1873 |  | \* | \* |  |  |  |  | \* |  |  |  |  |  |  |  | \* |
| *Thalassionema* cf. *nitzschioides* (Grunow) Mereschkowsky, 1902 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Thalassiosira* sp. |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
| Centric Diatoms – small (diameter < 10 μm) |  | \* | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Centric Diatoms – medium size (diameter 10-30 μm) |  | \* | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| **Dinophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Alexandrium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Amphidinium* cf. *sphenoides* Wüiff, 1916 | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Amphidinium* sp. |  |  | \* | \* | \* | \* |  |  |  |  |  |  |  |  |  |  |
| *Ceratium furca* (Ehrenberg) Claparède & Lachmann, 1859 | \* |  | \* | \* | \* | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |  |
| *Ceratium fusus* (Ehrenberg) Dujardin, 1841 |  |  | \* | \* | \* | \* | \* | \* |  | \* | \* |  |  | \* | \* |  |
| *Ceratium lineatum* (Ehrenberg) Cleve, 1899 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratium trichoceros* (Ehrenberg) Kofoid, 1881 | \* |  | \* | \* | \* |  |  | \* |  |  | \* | \* | \* |  |  |  |
| *Ceratium tripos* (O.F.Müller) Nitzsch, 1817 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratoperidinium falcatum* (Kofoid & Swezy) Reňé & Salas, 2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dinophysis* cf. *acuminata* Claparède & Lachmann, 1859 |  |  | \* | \* | \* | \* | \* | \* | \* |  | \* |  | \* | \* | \* |  |
| *Dinophysis caudata* Saville-Kent, 1881 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dinophysis dens* Pavillard, 1915 |  |  |  |  | \* |  |  | \* |  | \* | \* |  |  |  |  | \* |
| *Diplopsalis lenticula* Bergh, 1881 | \* |  | \* | \* | \* |  |  | \* | \* | \* | \* |  |  |  |  |  |
| *Gonyaulax* cf. *fragilis* (Schütt) Kofoid, 1911 |  |  |  |  |  |  | \* |  |  |  |  |  | \* | \* |  |  |
| *Gonyaulax* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Gymnodinium* spp. | \*? | \* | \* | \* | \*? | \* | \* | \*? | \* | \* | \* | \* | \* | \* | \* | \* |
| *Gyrodinium spirale* (Bergh) Kofoid & Swezy, 1921 | \* |  |  |  |  | \* | \* | \* |  |  |  | \* | \* | \* | \* | \* |
| *Gyrodinium* spp. |  |  | \* | \* | \* | \* |  |  | \* | \* | \* | \* | \* | \* | \* | \* |
| *Heterocapsa* cf. *niei* (Loeblich III) Morrill & Loeblich III, 1981 | \* |  |  |  |  | \* | \* | \* |  | \* | \* | \* | \* | \* | \* | \* |
| *Karenia brevis* (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000 |  | \* |  |  |  |  |  | \* |  |  |  |  |  |  | \* |  |
| *Karlodinium* spp. |  |  |  |  |  | \* | \* | \* |  |  |  |  | \* |  | \* |  |
| *Katodinium glaucum* (Lebour) Loeblich III, 1965 | \* | \* |  |  |  | \* |  |  |  | \* | \* | \* |  |  |  | \* |
| *Kofoidinium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Noctiluca scintillans* (Macartney) Kofoid & Swezy, 1921 | \* | \*? | \* | \* | \* |  | \* | \* |  | \* | \* | \* | \* |  | \* | \* |
| *Ornithocercus* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Oxyphysis oxytoxoides* Kofoid, 1926 |  |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |
| *Oxytoxum* sp. | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Peridiniella catenata* (Levander) Balech, 1977 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Podolampas palmipes* Stein, 1883 | \* |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| *Polykrikos* cf. *kofoidii* Chatton, 1914 | \* |  |  |  |  | \* | \* | \* |  |  |  |  | \* |  |  |  |
| *Polykrikos* cf. *schwartzii* Bütschli, 1873 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Prorocentrum compressum* (J.W.Bailey) Abé ex J.D.Dodge, 1975 |  | \* | \* |  | \* | \* | \* | \* | \* | \* | \* |  |  | \* | \* | \* |
| *Prorocentrum lima* (Ehrenberg) F.Stein, 1878 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Prorocentrum* cf. *triestinum* J.Schiller, 1918 |  |  |  |  |  | \* | \* | \* |  | \* | \* | \* | \* | \* | \* | \* |
| *Prorocentrum micans* Ehrenberg, 1834 |  |  | \* | \* | \* | \* |  | \* | \* |  | \* | \* | \* | \* | \* | \* |
| *Protoperidinium bipes* (Paulsen, 1904) Balech, 1974 |  | \* | \* | \* |  |  |  |  |  | \* | \* |  |  |  |  |  |
| *Protoperidinium divergens* (Ehrenberg, 1840) Balech, 1974 |  |  | \* | \* |  | \* | \* | \* |  |  |  | \* | \* | \* | \* | \* |
| *Protoperidinium* cf. *oceanicum* (VanHöffen, 1897) Balech, 1974 |  |  |  |  |  | \* |  | \* |  |  | \* |  | \* | \* | \* |  |
| *Protoperidinium* cf. *pyriforme* (Paulsen, 1905) Balech, 1974 |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |
| *Protoperidinium* spp. | \* | \* |  |  | \* |  | \* | \* |  | \* |  | \* | \* | \* | \* |  |
| *Pyrophacus steinii* (Schiller) Wall & Dale, 1971 |  |  |  |  |  | \* |  | \* |  | \* |  |  |  | \* |  |  |
| *Scrippsiella trochoidea* (Stein) Loeblich III, 1976 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Spatulodinium pseudonoctiluca* (Pouchet) J.Cachon & M.Cachon, 1968 | \* |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cryptophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Cryptomonas* spp. | \* | \* |  |  |  |  |  | \* |  | \* | \* | \* |  |  | \* | \* |
| *Cryptophyta* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiselmis* sp. | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Plagioselmis* sp. |  |  | \* | \* | \* | \*? | \*? | \* | \* | \* | \*? | \* | \*? | \*? | \*? | \*? |
| *Rhodomonas* sp. | \* |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |
| *Teleaulax acuta* (Butcher) D.R.A.Hill, 1991 | \* | \* | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Haptophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chrysochromulina* spp. | \*? | \* | \* | \* | \* | \*? | \*? | \*? | \* | \* | \*? | \*? | \*? | \*? | \*? | \*? |
| Coccolithales spp. | \*? | \* | \*? | \*? | \*? | \*? | \* | \* | \* |  | \* | \* | \* |  |  |  |
| *Imantonia rotundata* N.Reynolds, 1974 |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Phaeocystis* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| **Chlorophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chlamydomonas* sp. | \* | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pyramimonas* sp. |  |  | \* |  | \* |  |  |  |  | \* |  |  |  |  |  |  |
| *Tetraselmis* sp. |  |  |  | \* | \* |  |  |  |  | \* |  | \* |  | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Dictyochophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Vicicitus globosus* (Y.Hara & Chihara) F.H.Chang, 2012 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dictyocha fibula* Ehrenberg, 1839 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dictyocha octonaria* Ehrenberg, 1944 |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Eyglenozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Euglena* spp. |  | \* |  |  |  | \* | \* |  |  |  | \* |  |  |  |  |  |
| *Eutreptiella* sp. | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |  |  |  | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cercozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ebria tripartita* (J.Schumann) Lemmermann, 1899 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Ciliophora** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Mesodinium rubrum* (Lohmann, 1908) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Telonemida** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Telonema subtile* Greissmann, 1913 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Xanthophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Meringosphaera mediterranea* Lohmann, 1903 |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |
| **Bacillariophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Asterionellopsis glacialis* (Castracane) Round, 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Bacteriastrum* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |
| *Chaetoceros affinis* Lauder, 1864 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros curvisetus* Cleve, 1889 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros danicus* Cleve, 1889 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros peruvianus* Brightwell, 1856 |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |
| *Chaetoceros* cf. *simplex* Ostenfeld, 1902 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros tenuissimus* Meunier, 1913 |  |  |  |  |  |  | \* | \* | \* |  |  |  |  |  | \* |  |
| *Chaetoceros* spp. | \* | \* |  |  |  |  |  |  |  |  |  |  |  | \*? | \*? | \*? |
| *Coscinodiscus* sp. | \* |  |  |  |  |  |  |  |  |  |  | \* | \* | \* | \* |  |
| *Cyclotella* sp. |  |  |  |  |  |  | \* | \* |  |  |  |  |  |  |  |  |
| *Cylindrotheca closterium* (Ehrenberg) Reimann & J.C.Lewin, 1964 | \* | \* | \* | \* | \* |  | \* | \*? | \*? | \* | \* | \*? | \* | \* | \* | \* |
| *Dactyliosolen blavyanus* (H.Peragallo) Hasle, 1975 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dactyliosolen fragilissimus* (Bergon) Hasle, 1996 | \* | \* |  |  | \* |  |  | \* |  |  |  |  |  | \* | \* | \* |
| *Dactyliosolen phuketensis* (B.G. Sundström) G.R.Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  | \* | \* | \* |
| *Detonula* cf. *pumila* (Castracane) Gran, 1900 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ditylum brightwellii* (T.West) Grunow, 1885 |  |  |  |  |  |  | \* |  |  |  |  |  |  |  | \* |  |
| *Eucampia* cf. *zodiacus* Ehrenberg, 1839 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Guinardia delicatula* (Cleve) Hasle, 1997 |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |
| *Guinardia striata* (Stolterfoth) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Helicotheca tamesis* (Shrubsole) M.Ricard, 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiaulus hauckii* Grunow ex Van Heurck, 1882 |  |  |  |  |  |  |  |  |  |  | \* | \* |  | \* |  | \* |
| *Hemiaulus sinensis* Greville, 1865 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |
| *Hemiaulus* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |
| *Leptocylindrus danicus* Cleve, 1889 | \*? | \* |  | \* | \*? |  | \* | \* |  |  | \* |  |  | \*? | \* | \* |
| *Leptocylindrus mediterraneus* (H.Peragallo) Hasle, 1975 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptocylindrus minimus* Gran, 1915 | \*? | \*? | \* |  | \*? |  | \* | \* |  |  |  |  |  | \*? | \* | \* |

**Table (continued):**

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| **Taxa** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |
| *Licmophora* sp. |  |  | \* |  |  |  | \* | \* | \* |  | \* | \* |  |  |  |  |
| *Lioloma pacificum* (Cupp) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Melosira* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Meuniera membranacea* (Cleve) P.C.Silva, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Navicula* sp. | \* |  | \* |  |  |  |  | \* | \* |  |  |  | \* | \* | \* | \* |
| *Nitzschia longissima* (Brébisson) Ralfs, 1861 | \* |  |  |  |  |  | \* |  |  |  |  |  |  | \* |  |  |
| *Nitzschia* spp. (small – length < 10 μm) | \* |  |  |  |  |  | \* | \*? | \*? |  | \* | \* | \* |  | \* | \* |
| *Odontella* *mobiliensis* (J.W.Bailey) Grunow, 1884 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pleurosigma normanii* Ralfs, 1861 | \* | \* | \* | \* |  |  |  |  | \* |  | \* | \* |  | \* | \* | \* |
| *Proboscia* cf. *alata* (Brightwell) Sundström, 1986 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Proboscia* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |
| *Pseudoguinardia recta* Stosch, 1986 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *delicatissima* (Cleve) Heiden, 1928 |  |  |  |  | \* |  |  |  |  | \* |  |  |  | \* | \* | \* |
| *Pseudonitzschia* cf. *multistriata* (H.Takano) H.Takano, 1995 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *pseudodelicatissima,*(Hasle) Hasle, 1993 | \* |  |  | \* | \* |  |  |  |  |  |  |  |  |  | \* |  |
| *Pseudonitzschia* cf. *pungens* (Grunow ex Cleve) G.R.Hasle, 1993 | \* |  |  |  |  |  | \* | \* | \* |  |  |  |  | \* | \* |  |
| *Pseudonitzschia* spp. |  |  |  |  |  |  |  |  |  |  |  | \* |  | \* | \* |  |
| *Rhizosolenia setigera* Brightwell, 1858 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Rhizosolenia* spp. | \* | \* | \* | \* | \* | \* | \* |  | \* |  |  |  |  | \* | \* | \* |
| *Skeletonema costatum* (Greville) Cleve, 1873 | \*? |  |  |  | \* |  | \* | \* |  |  |  |  |  | \* | \*? |  |
| *Thalassionema* cf. *nitzschioides* (Grunow) Mereschkowsky, 1902 |  |  |  |  | \* |  |  |  | \* |  |  |  | \* | \* | \* | \* |
| *Thalassiosira* sp. | \* |  |  |  |  |  |  | \* |  |  |  | \* |  |  | \* |  |
| Centric Diatoms – small (diameter < 10 μm) | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Centric Diatoms – medium size (diameter 10-30 μm) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Taxa** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |
| **Dinophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Alexandrium* sp. |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |
| *Amphidinium* cf. *sphenoides* Wüiff, 1916 |  |  |  |  |  |  |  |  | \* | \* | \* | \* |  |  |  |  |
| *Amphidinium* sp. |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  | \* |
| *Ceratium furca* (Ehrenberg) Claparède & Lachmann, 1859 |  |  |  |  |  |  | \* | \* | \* | \* | \* | \* | \* | \* |  |  |
| *Ceratium fusus* (Ehrenberg) Dujardin, 1841 |  |  |  |  |  |  | \* | \* | \* |  |  |  | \* |  | \* | \* |
| *Ceratium lineatum* (Ehrenberg) Cleve, 1899 |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |
| *Ceratium trichoceros* (Ehrenberg) Kofoid, 1881 |  |  |  |  |  |  |  |  | \* |  |  |  | \* |  |  |  |
| *Ceratium tripos* (O.F.Müller) Nitzsch, 1817 |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |
| *Ceratium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |
| *Ceratoperidinium falcatum* (Kofoid & Swezy) Reňé & Salas, 2013 |  |  | \* |  |  |  |  |  |  | \* | \* |  | \* | \* | \* |  |
| *Dinophysis* cf. *acuminata* Claparède & Lachmann, 1859 |  |  |  | \* | \* | \* |  |  |  |  |  |  | \* | \* | \* | \* |
| *Dinophysis caudata* Saville-Kent, 1881 |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dinophysis dens* Pavillard, 1915 |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |
| *Diplopsalis lenticula* Bergh, 1881 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Gonyaulax* cf. *fragilis* (Schütt) Kofoid, 1911 |  | \* | \* | \* |  | \* |  | \* | \*? | \* | \* | \* | \* | \* | \* | \* |
| *Gonyaulax* sp. |  | \* | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Gymnodinium* spp. | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \*? | \*? | \* | \* | \* | \* |
| *Gyrodinium spirale* (Bergh) Kofoid & Swezy, 1921 |  | \* | \* | \* | \* | \* |  |  | \* |  | \* | \* |  | \* | \* | \* |
| *Gyrodinium* spp. | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Heterocapsa* cf. *niei* (Loeblich III) Morrill & Loeblich III, 1981 | \* | \* | \*? | \*? | \* | \* | \*? | \* | \*? | \*? | \* | \*? | \*? | \* | \* | \* |
| *Karenia brevis* (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000 |  | \* | \* |  | \* | \* |  |  | \* | \* | \* | \* | \* |  | \* | \* |
| *Karlodinium* spp. |  |  |  |  | \* | \* |  | \* |  |  |  | \* | \* | \* |  | \* |
| *Katodinium glaucum* (Lebour) Loeblich III, 1965 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Kofoidinium* sp. |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Noctiluca scintillans* (Macartney) Kofoid & Swezy, 1921 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  | \* | \* |  |  | \* |
| *Ornithocercus* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Oxyphysis oxytoxoides* Kofoid, 1926 | \* |  | \* | \* | \* | \* |  |  |  |  |  |  |  | \* | \* | \* |
| *Oxytoxum* sp. |  |  |  |  |  |  |  |  | \* |  |  |  |  |  | \* |  |
| *Peridiniella catenata* (Levander) Balech, 1977 |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |
| *Podolampas palmipes* Stein, 1883 |  |  |  |  |  |  |  | \* | \* | \* | \* | \* | \* |  | \* | \* |

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| **Taxa** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |
| *Polykrikos* cf. *kofoidii* Chatton, 1914 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Polykrikos* cf. *schwartzii* Bütschli, 1873 |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |
| *Prorocentrum compressum* (J.W.Bailey) Abé ex J.D.Dodge, 1975 | \* |  | \* | \* | \* | \* |  |  |  | \* |  |  |  |  |  |  |
| *Prorocentrum lima* (Ehrenberg) F.Stein, 1878 |  |  |  |  | \* | \* |  |  |  |  | \* | \* |  |  |  |  |
| *Prorocentrum* cf. *triestinum* J.Schiller, 1918 |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |  |  |  |
| *Prorocentrum micans* Ehrenberg, 1834 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  | \* | \* |
| *Protoperidinium bipes* (Paulsen, 1904) Balech, 1974 | \* |  |  |  |  |  |  |  | \* | \* |  |  | \* | \* | \* | \* |
| *Protoperidinium divergens* (Ehrenberg, 1840) Balech, 1974 |  |  | \* | \* | \* | \* | \* | \* |  | \* | \* | \* |  |  |  |  |
| *Protoperidinium* cf. *oceanicum* (VanHöffen, 1897) Balech, 1974 |  |  |  | \* | \* | \* |  |  | \* |  |  | \* | \* | \* |  |  |
| *Protoperidinium* cf. *pyriforme* (Paulsen, 1905) Balech, 1974 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Protoperidinium* spp. |  |  | \* | \* |  | \* | \* |  | \* | \* | \* | \* | \* |  | \* | \* |
| *Pyrophacus steinii* (Schiller) Wall & Dale, 1971 |  | \* | \* | \* |  | \* | \* |  | \* | \* | \* | \* | \* | \* | \* | \* |
| *Scrippsiella trochoidea* (Stein) Loeblich III, 1976 | \* |  | \* | \* | \* | \*? | \* |  |  | \* | \* | \* | \* | \* |  | \* |
| *Spatulodinium pseudonoctiluca* (Pouchet) J.Cachon & M.Cachon, 1968 |  | \* | \* | \* | \* | \* | \* | \* |  | \* | \* | \* |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cryptophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Cryptomonas* spp. | \* | \* | \* |  |  |  |  |  |  |  |  | \* |  |  | \* |  |
| *Cryptophyta* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiselmis* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Plagioselmis* sp. | \* | \* | \*? | \*? | \*? | \* | \* | \* | \* | \* | \* | \* | \*? | \* | \* | \* |
| *Rhodomonas* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Teleaulax acuta* (Butcher) D.R.A.Hill, 1991 | \* | \* | \* | \*? | \* | \* | \* | \* | \* | \* | \* |  | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Haptophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chrysochromulina* spp. | \* | \* | \*? | \*? | \*? | \*? | \*? | \* |  | \*? | \*? | \*? | \*? | \* | \* | \*? |
| Coccolithales spp. | \* | \* |  |  | \* | \* | \*? | \*? | \* |  |  | \* | \* | \* | \* | \* |
| *Imantonia rotundata* N.Reynolds, 1974 |  |  |  |  |  |  |  |  |  |  | \*? | \*? |  |  |  |  |
| *Phaeocystis* sp. |  |  |  |  |  |  | \* | \* | \* | \* | \* | \* | \* |  |  |  |

**Table (continued):**

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| **Taxa** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |
| **Chlorophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chlamydomonas* sp. |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
| *Pyramimonas* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Tetraselmis* sp. |  | \* |  |  |  | \* |  |  |  |  |  |  |  |  |  | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Dictyochophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Vicicitus globosus* (Y.Hara & Chihara) F.H.Chang, 2012 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dictyocha fibula* Ehrenberg, 1839 | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |  |  | \* | \* | \* |  |
| *Dictyocha octonaria* Ehrenberg, 1944 | \* | \* |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Eyglenozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Euglena* spp. |  |  |  |  | \* |  |  |  |  |  |  | \* | \* |  |  |  |
| *Eutreptiella* sp. | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cercozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ebria tripartita* (J.Schumann) Lemmermann, 1899 |  |  |  |  |  |  |  |  | \* |  |  | \* |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Ciliophora** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Mesodinium rubrum* (Lohmann, 1908) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Telonemida** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Telonema subtile* Greissmann, 1913 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Xanthophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Meringosphaera mediterranea* Lohmann, 1903 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Taxa** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| **Bacillariophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Asterionellopsis glacialis* (Castracane) Round, 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Bacteriastrum* sp. |  |  |  |  |  | \* |  |  | \* | \* | \* |  |  |  |  |  |
| *Chaetoceros affinis* Lauder, 1864 |  |  |  |  |  |  |  |  | \* |  | \* |  | \* | \* | \* | \* |
| *Chaetoceros curvisetus* Cleve, 1889 |  |  |  |  |  |  |  |  |  |  |  | \* |  |  | \* |  |
| *Chaetoceros danicus* Cleve, 1889 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros peruvianus* Brightwell, 1856 |  |  |  |  |  | \* |  | \* |  | \* | \* |  |  |  |  |  |
| *Chaetoceros* cf. *simplex* Ostenfeld, 1902 |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  | \* |
| *Chaetoceros tenuissimus* Meunier, 1913 |  |  |  |  |  | \* | \* |  |  | \*? |  | \* | \* | \* | \* | \* |
| *Chaetoceros* spp. | \* | \* | \*? | \*? |  | \* |  |  | \* | \* | \* | \* | \* | \* | \* | \* |
| *Coscinodiscus* sp. |  | \* |  |  | \* |  |  |  | \* | \* | \* |  |  |  |  |  |
| *Cyclotella* sp. |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |
| *Cylindrotheca closterium* (Ehrenberg) Reimann & J.C.Lewin, 1964 | \* | \* | \* | \* | \*? | \* | \* | \* | \* | \* | \* | \*? | \*? | \*? | \* | \*? |
| *Dactyliosolen blavyanus* (H.Peragallo) Hasle, 1975 |  |  |  |  |  | \* |  |  |  | \* | \* |  |  |  |  |  |
| *Dactyliosolen fragilissimus* (Bergon) Hasle, 1996 | \* | \*? | \* | \* |  | \*? | \* |  | \* | \* | \* | \* | \* | \* | \* | \* |
| *Dactyliosolen phuketensis* (B.G. Sundström) G.R.Hasle, 1996 | \* | \* | \* | \* |  | \* | \* | \* |  |  |  |  |  |  |  |  |
| *Detonula* cf. *pumila* (Castracane) Gran, 1900 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ditylum brightwellii* (T.West) Grunow, 1885 |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |
| *Eucampia* cf. *zodiacus* Ehrenberg, 1839 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Guinardia delicatula* (Cleve) Hasle, 1997 |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |
| *Guinardia striata* (Stolterfoth) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Helicotheca tamesis* (Shrubsole) M.Ricard, 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |
| *Hemiaulus hauckii* Grunow ex Van Heurck, 1882 | \* |  |  | \* |  | \* |  | \* | \* | \* | \* | \* | \* |  |  | \* |
| *Hemiaulus sinensis* Greville, 1865 |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |
| *Hemiaulus* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptocylindrus danicus* Cleve, 1889 | \* | \* | \* | \*? | \*? | \*? | \* | \* | \* | \*? | \*? |  | \*? | \* | \*? | \* |
| *Leptocylindrus mediterraneus* (H.Peragallo) Hasle, 1975 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptocylindrus minimus* Gran, 1915 | \*? | \* | \* | \*? | \* | \*? | \*? | \*? | \*? | \* | \* | \* | \* | \*? | \*? | \*? |

**Table (continued):**

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| **Taxa** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| *Licmophora* sp. |  |  |  |  | \* |  | \* | \* |  | \* |  | \* | \* |  | \* | \* |
| *Lioloma pacificum* (Cupp) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  | \* | \* |  |
| *Melosira* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |
| *Meuniera membranacea* (Cleve) P.C.Silva, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Navicula* sp. |  |  |  | \* |  | \* |  | \* | \* | \* | \* |  | \* |  | \* | \* |
| *Nitzschia longissima* (Brébisson) Ralfs, 1861 |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |
| *Nitzschia* spp. (small – length < 10 μm) |  |  |  |  | \*? | \* | \* | \* | \* | \* | \* | \* |  | \*? | \* |  |
| *Odontella* *mobiliensis* (J.W.Bailey) Grunow, 1884 |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
| *Pleurosigma normanii* Ralfs, 1861 | \* | \* | \* | \* |  |  | \* |  |  | \* | \* |  | \* |  | \* |  |
| *Proboscia* cf. *alata* (Brightwell) Sundström, 1986 |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |
| *Proboscia* sp. |  |  |  |  |  | \* |  |  |  | \* |  |  | \* |  |  |  |
| *Pseudoguinardia recta* Stosch, 1986 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *delicatissima* (Cleve) Heiden, 1928 | \* |  |  |  |  | \* |  |  | \* | \* | \* | \* |  |  |  | \* |
| *Pseudonitzschia* cf. *multistriata* (H.Takano) H.Takano, 1995 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *pseudodelicatissima,*(Hasle) Hasle, 1993 |  |  |  | \* |  | \* |  |  |  | \* | \* | \* | \* |  |  |  |
| *Pseudonitzschia* cf. *pungens* (Grunow ex Cleve) G.R.Hasle, 1993 |  |  |  |  |  | \* |  |  |  |  | \* |  |  |  |  |  |
| *Pseudonitzschia* spp. |  |  |  |  |  |  | \* |  |  |  |  |  |  |  | \* | \* |
| *Rhizosolenia setigera* Brightwell, 1858 |  |  | \* | \* |  |  | \* | \* |  |  | \* |  | \* |  |  | \* |
| *Rhizosolenia* spp. | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  | \* | \* |
| *Skeletonema costatum* (Greville) Cleve, 1873 |  |  |  | \* |  |  |  |  |  |  |  |  |  | \* |  |  |
| *Thalassionema* cf. *nitzschioides* (Grunow) Mereschkowsky, 1902 | \* | \* | \* | \* |  |  |  |  |  | \* | \* |  | \* |  |  |  |
| *Thalassiosira* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Centric Diatoms – small (diameter < 10 μm) |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |
| Centric Diatoms – medium size (diameter 10-30 μm) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| **Dinophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Alexandrium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Amphidinium* cf. *sphenoides* Wüiff, 1916 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Amphidinium* sp. | \* | \* | \* | \* | \* |  | \* |  |  |  |  |  |  |  |  |  |
| *Ceratium furca* (Ehrenberg) Claparède & Lachmann, 1859 | \* |  |  | \* | \* | \* |  |  |  |  | \* | \* | \* | \* | \* | \* |
| *Ceratium fusus* (Ehrenberg) Dujardin, 1841 | \* |  |  |  |  | \* | \* |  | \* |  |  | \* | \* | \* |  |  |
| *Ceratium lineatum* (Ehrenberg) Cleve, 1899 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratium trichoceros* (Ehrenberg) Kofoid, 1881 |  |  |  |  | \* | \* | \* | \* |  |  |  |  |  | \* |  |  |
| *Ceratium tripos* (O.F.Müller) Nitzsch, 1817 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratium* sp. | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratoperidinium falcatum* (Kofoid & Swezy) Reňé & Salas, 2013 | \* |  |  |  |  | \* |  | \* | \* |  |  |  |  |  |  |  |
| *Dinophysis* cf. *acuminata* Claparède & Lachmann, 1859 |  |  | \* | \* |  |  |  |  | \* |  |  | \* |  | \* |  |  |
| *Dinophysis caudata* Saville-Kent, 1881 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dinophysis dens* Pavillard, 1915 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Diplopsalis lenticula* Bergh, 1881 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Gonyaulax* cf. *fragilis* (Schütt) Kofoid, 1911 |  | \* | \* | \* | \* |  | \* | \* |  |  |  |  |  |  |  |  |
| *Gonyaulax* sp. |  |  |  |  |  |  |  |  |  |  |  | \* | \* |  |  |  |
| *Gymnodinium* spp. | \* | \* | \*? | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Gyrodinium spirale* (Bergh) Kofoid & Swezy, 1921 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Gyrodinium* spp. | \* | \* | \* | \* | \* | \* | \* |  | \* |  | \* | \* | \* |  |  |  |
| *Heterocapsa* cf. *niei* (Loeblich III) Morrill & Loeblich III, 1981 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Karenia brevis* (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000 | \* | \* | \* | \* | \* | \* | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |
| *Karlodinium* spp. | \* | \* |  | \* | \* |  |  | \* | \* |  |  | \* |  | \* | \* | \* |
| *Katodinium glaucum* (Lebour) Loeblich III, 1965 | \* |  |  |  |  |  | \* |  | \* | \* |  |  |  |  |  |  |
| *Kofoidinium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Noctiluca scintillans* (Macartney) Kofoid & Swezy, 1921 |  | \* | \* |  | \* |  |  |  |  |  |  |  |  |  |  |  |
| *Ornithocercus* sp. |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |
| *Oxyphysis oxytoxoides* Kofoid, 1926 | \* |  | \* | \* | \* |  | \* |  | \* |  |  | \* |  |  |  |  |
| *Oxytoxum* sp. |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |
| *Peridiniella catenata* (Levander) Balech, 1977 |  |  |  |  |  |  | \* | \* | \* |  |  |  | \* |  | \* |  |
| *Podolampas palmipes* Stein, 1883 | \* |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| *Polykrikos* cf. *kofoidii* Chatton, 1914 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Polykrikos* cf. *schwartzii* Bütschli, 1873 |  |  | \* |  |  |  |  |  |  |  |  |  | \* |  | \* | \* |
| *Prorocentrum compressum* (J.W.Bailey) Abé ex J.D.Dodge, 1975 | \* | \* | \* |  | \* |  | \* |  | \* | \* | \* | \* |  |  | \* | \* |
| *Prorocentrum lima* (Ehrenberg) F.Stein, 1878 | \* |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Prorocentrum* cf. *triestinum* J.Schiller, 1918 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Prorocentrum micans* Ehrenberg, 1834 |  | \* | \* | \* |  |  |  |  |  |  |  | \* |  |  |  |  |
| *Protoperidinium bipes* (Paulsen, 1904) Balech, 1974 | \* | \* | \* |  |  |  | \* |  |  |  |  |  |  | \* |  |  |
| *Protoperidinium divergens* (Ehrenberg, 1840) Balech, 1974 | \* | \* | \* | \* | \* |  | \* |  | \* | \* |  | \* |  |  |  |  |
| *Protoperidinium* cf. *oceanicum* (VanHöffen, 1897) Balech, 1974 | \* |  |  | \* | \* |  |  |  | \* |  |  | \* |  | \* | \* | \* |
| *Protoperidinium* cf. *pyriforme* (Paulsen, 1905) Balech, 1974 |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Protoperidinium* spp. |  |  | \* | \* |  | \* | \* | \* | \* |  |  | \* | \* |  | \* | \* |
| *Pyrophacus steinii* (Schiller) Wall & Dale, 1971 | \* | \* | \* | \* | \* |  | \* | \* | \* | \* |  | \* |  | \* | \* | \* |
| *Scrippsiella trochoidea* (Stein) Loeblich III, 1976 | \* | \* | \* | \* |  |  | \* |  |  |  |  |  | \* |  | \* | \* |
| *Spatulodinium pseudonoctiluca* (Pouchet) J.Cachon & M.Cachon, 1968 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cryptophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Cryptomonas* spp. |  | \* | \* |  |  | \* | \* |  |  |  |  |  |  |  | \* | \* |
| *Cryptophyta* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiselmis* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Plagioselmis* sp. | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \*? | \* | \* |
| *Rhodomonas* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Teleaulax acuta* (Butcher) D.R.A.Hill, 1991 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Haptophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chrysochromulina* spp. | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? |
| Coccolithales spp. |  |  | \* | \* |  | \*? | \* | \* | \* | \* | \*? | \*? | \* | \* | \* | \* |
| *Imantonia rotundata* N.Reynolds, 1974 | \* | \* | \* |  |  |  | \* | \* | \* |  |  |  |  | \* | \* | \* |
| *Phaeocystis* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Taxa** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| **Chlorophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chlamydomonas* sp. |  |  |  | \* |  |  |  |  |  |  |  | \* |  |  |  |  |
| *Pyramimonas* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Tetraselmis* sp. | \* | \* | \* | \* |  | \* | \* | \* |  |  | \* |  | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Dictyochophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Vicicitus globosus* (Y.Hara & Chihara) F.H.Chang, 2012 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dictyocha fibula* Ehrenberg, 1839 |  |  |  | \* |  | \* | \* |  | \* |  | \* | \* |  |  |  |  |
| *Dictyocha octonaria* Ehrenberg, 1944 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Eyglenozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Euglena* spp. |  | \* |  |  |  |  | \* |  |  |  | \* | \* |  |  |  | \* |
| *Eutreptiella* sp. | \* | \* |  | \* |  | \* |  | \* | \* | \* |  | \* |  | \* | \* |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cercozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ebria tripartita* (J.Schumann) Lemmermann, 1899 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Ciliophora** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Mesodinium rubrum* (Lohmann, 1908) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Telonemida** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Telonema subtile* Greissmann, 1913 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Xanthophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Meringosphaera mediterranea* Lohmann, 1903 |  |  |  |  |  | \* |  |  |  |  | \* |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** | **61** | **62** | **63** | **64** |
| **Bacillariophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Asterionellopsis glacialis* (Castracane) Round, 1990 | \* |  |  | \* | \* | \* |  |  |  | \* |  |  |  |  |  |  |
| *Bacteriastrum* sp. |  |  |  |  |  |  |  |  |  |  | \* |  |  |  | \* |  |
| *Chaetoceros affinis* Lauder, 1864 | \* |  |  | \* | \* | \* | \* | \* |  | \* |  | \* |  |  | \* |  |
| *Chaetoceros curvisetus* Cleve, 1889 | \* | \* | \* | \* | \* | \* | \* | \* |  |  |  |  |  |  |  |  |
| *Chaetoceros danicus* Cleve, 1889 |  |  |  |  |  | \* |  |  |  | \* |  |  |  |  |  |  |
| *Chaetoceros peruvianus* Brightwell, 1856 | \* |  |  |  |  |  |  | \* |  | \* |  |  |  |  |  |  |
| *Chaetoceros* cf. *simplex* Ostenfeld, 1902 | \* |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetoceros tenuissimus* Meunier, 1913 | \* | \* | \* |  | \* |  | \* |  |  |  | \*? |  | \* | \* |  |  |
| *Chaetoceros* spp. | \*? | \* | \* | \*? | \*? | \*? | \*? | \* |  | \* |  |  |  |  |  |  |
| *Coscinodiscus* sp. | \* |  | \* | \* |  | \* |  | \* | \* | \* | \* |  |  |  | \* | \* |
| *Cyclotella* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Cylindrotheca closterium* (Ehrenberg) Reimann & J.C.Lewin, 1964 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Dactyliosolen blavyanus* (H.Peragallo) Hasle, 1975 |  |  |  |  |  |  |  |  |  | \* |  |  |  |  | \* | \* |
| *Dactyliosolen fragilissimus* (Bergon) Hasle, 1996 | \* |  |  |  | \* |  |  | \* | \* | \* |  |  |  |  |  |  |
| *Dactyliosolen phuketensis* (B.G. Sundström) G.R.Hasle, 1996 | \* |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
| *Detonula* cf. *pumila* (Castracane) Gran, 1900 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ditylum brightwellii* (T.West) Grunow, 1885 | \* |  |  |  |  | \* | \* |  |  |  |  |  |  |  |  |  |
| *Eucampia* cf. *zodiacus* Ehrenberg, 1839 |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |
| *Guinardia delicatula* (Cleve) Hasle, 1997 | \* |  |  |  |  |  |  | \* | \* | \* |  |  |  |  |  |  |
| *Guinardia striata* (Stolterfoth) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Helicotheca tamesis* (Shrubsole) M.Ricard, 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiaulus hauckii* Grunow ex Van Heurck, 1882 | \* | \* |  | \* |  |  |  | \* |  | \* |  |  |  |  |  |  |
| *Hemiaulus sinensis* Greville, 1865 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiaulus* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptocylindrus danicus* Cleve, 1889 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |  |  |  |  |
| *Leptocylindrus mediterraneus* (H.Peragallo) Hasle, 1975 |  | \* | \* | \* |  | \* | \* | \* |  | \* |  |  |  |  |  |  |
| *Leptocylindrus minimus* Gran, 1915 | \* |  | \* | \* | \* | \* | \* | \* |  |  |  | \* |  |  | \* |  |

**Table (continued):**

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| **Taxa** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** | **61** | **62** | **63** | **64** |
| *Licmophora* sp. |  | \* |  | \* |  | \* |  |  | \* |  |  | \* | \* |  |  |  |
| *Lioloma pacificum* (Cupp) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Melosira* sp. | \* | \* |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |
| *Meuniera membranacea* (Cleve) P.C.Silva, 1996 |  |  | \* |  |  | \* |  |  |  |  |  |  |  |  |  |  |
| *Navicula* sp. | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |  | \* |  |  |  |
| *Nitzschia longissima* (Brébisson) Ralfs, 1861 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Nitzschia* spp. (small – length < 10 μm) | \* | \* | \* | \* |  | \* | \* | \* |  | \* | \* | \* | \* | \* |  | \* |
| *Odontella* *mobiliensis* (J.W.Bailey) Grunow, 1884 |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
| *Pleurosigma normanii* Ralfs, 1861 |  |  | \* | \* | \* | \* | \* | \* | \* | \* |  |  |  |  | \* | \* |
| *Proboscia* cf. *alata* (Brightwell) Sundström, 1986 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Proboscia* sp. |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudoguinardia recta* Stosch, 1986 | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *delicatissima* (Cleve) Heiden, 1928 |  |  |  | \* |  |  |  | \* |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *multistriata* (H.Takano) H.Takano, 1995 |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *pseudodelicatissima,*(Hasle) Hasle, 1993 | \* | \* | \* | \* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *pungens* (Grunow ex Cleve) G.R.Hasle, 1993 | \* |  |  |  | \* |  | \* | \* |  | \* |  |  |  |  |  |  |
| *Pseudonitzschia* spp. | \* |  | \* | \* | \* | \* | \* | \* | \* | \* |  |  |  | \* | \* |  |
| *Rhizosolenia setigera* Brightwell, 1858 | \* |  |  | \* |  |  |  |  |  | \* |  |  |  |  |  |  |
| *Rhizosolenia* spp. | \* |  | \* |  |  | \* |  |  |  | \* |  |  |  |  |  |  |
| *Skeletonema costatum* (Greville) Cleve, 1873 |  |  | \* |  | \* |  |  |  |  |  |  |  |  |  |  |  |
| *Thalassionema* cf. *nitzschioides* (Grunow) Mereschkowsky, 1902 | \* |  |  |  |  |  | \* |  |  |  |  |  |  |  | \* |  |
| *Thalassiosira* sp. | \* |  | \* |  |  |  |  |  | \* |  |  |  |  |  | \* |  |
| Centric Diatoms – small (diameter < 10 μm) |  |  |  |  |  |  | \* |  | \* |  |  |  |  |  |  |  |
| Centric Diatoms – medium size (diameter 10-30 μm) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** | **61** | **62** | **63** | **64** |
| **Dinophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Alexandrium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Amphidinium* cf. *sphenoides* Wüiff, 1916 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Amphidinium* sp. |  |  | \* |  |  |  |  |  |  |  |  |  |  |  | \* |  |
| *Ceratium furca* (Ehrenberg) Claparède & Lachmann, 1859 |  | \* | \* | \* |  | \* | \* | \* |  |  |  |  |  |  |  |  |
| *Ceratium fusus* (Ehrenberg) Dujardin, 1841 |  | \* | \* | \* |  |  | \* |  |  | \* | \* | \* |  | \* | \* | \* |
| *Ceratium lineatum* (Ehrenberg) Cleve, 1899 |  |  |  |  |  |  |  | \* |  | \* | \* | \* | \* | \* | \* | \* |
| *Ceratium trichoceros* (Ehrenberg) Kofoid, 1881 |  | \* |  |  |  |  | \* |  |  | \* |  |  |  | \* |  |  |
| *Ceratium tripos* (O.F.Müller) Nitzsch, 1817 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratium* sp. |  |  |  |  |  |  |  | \* |  | \* | \* |  |  |  | \* |  |
| *Ceratoperidinium falcatum* (Kofoid & Swezy) Reňé & Salas, 2013 |  |  |  | \* | \* |  |  | \* | \* | \* | \* |  |  | \* | \* | \* |
| *Dinophysis* cf. *acuminata* Claparède & Lachmann, 1859 | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Dinophysis caudata* Saville-Kent, 1881 |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
| *Dinophysis dens* Pavillard, 1915 |  |  |  | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |
| *Diplopsalis lenticula* Bergh, 1881 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Gonyaulax* cf. *fragilis* (Schütt) Kofoid, 1911 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Gonyaulax* sp. | \* |  |  |  | \* | \* |  | \* |  |  |  |  |  |  |  | \* |
| *Gymnodinium* spp. | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Gyrodinium spirale* (Bergh) Kofoid & Swezy, 1921 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  | \* | \* | \* |
| *Gyrodinium* spp. | \* | \* | \* | \* |  |  |  |  |  | \* |  |  |  |  |  |  |
| *Heterocapsa* cf. *niei* (Loeblich III) Morrill & Loeblich III, 1981 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Karenia brevis* (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000 |  | \* | \* |  | \* | \* | \* | \* |  | \* |  |  | \* | \* |  |  |
| *Karlodinium* spp. |  |  |  |  | \* |  | \* | \* |  | \* |  |  |  | \* | \* |  |
| *Katodinium glaucum* (Lebour) Loeblich III, 1965 |  |  |  | \* |  | \* | \* | \* |  |  | \* | \* | \* | \* | \* | \* |
| *Kofoidinium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Noctiluca scintillans* (Macartney) Kofoid & Swezy, 1921 |  | \* |  | \* |  |  | \*? | \* |  | \* | \* |  | \* | \* |  |  |
| *Ornithocercus* sp. |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |  |
| *Oxyphysis oxytoxoides* Kofoid, 1926 |  |  |  | \* |  |  | \* | \* |  | \* | \* | \* | \* | \* | \* | \* |
| *Oxytoxum* sp. |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |
| *Peridiniella catenata* (Levander) Balech, 1977 |  |  |  |  |  |  |  | \* | \* | \* |  | \* | \* | \* | \* |  |
| *Podolampas palmipes* Stein, 1883 |  |  |  | \* | \* |  |  | \* |  |  | \* | \* |  | \* | \* | \* |

**Table (continued):**

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| **Taxa** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** | **61** | **62** | **63** | **64** |
| *Polykrikos* cf. *kofoidii* Chatton, 1914 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Polykrikos* cf. *schwartzii* Bütschli, 1873 |  |  |  |  | \* | \* | \* |  |  |  |  |  |  |  |  |  |
| *Prorocentrum compressum* (J.W.Bailey) Abé ex J.D.Dodge, 1975 |  |  |  | \* |  | \* | \* |  |  | \* | \* | \* | \* | \* | \* | \* |
| *Prorocentrum lima* (Ehrenberg) F.Stein, 1878 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Prorocentrum* cf. *triestinum* J.Schiller, 1918 |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |
| *Prorocentrum micans* Ehrenberg, 1834 |  |  |  |  |  |  | \* |  |  | \* | \* | \* | \* | \* | \* | \* |
| *Protoperidinium bipes* (Paulsen, 1904) Balech, 1974 |  |  | \* | \* |  |  |  | \* |  | \* | \* | \* |  | \* |  |  |
| *Protoperidinium divergens* (Ehrenberg, 1840) Balech, 1974 | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Protoperidinium* cf. *oceanicum* (VanHöffen, 1897) Balech, 1974 | \* |  |  | \* |  |  | \* | \* |  | \* |  |  |  |  | \* | \* |
| *Protoperidinium* cf. *pyriforme* (Paulsen, 1905) Balech, 1974 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Protoperidinium* spp. |  |  |  |  |  |  | \* |  |  | \* | \* | \* |  |  |  | \* |
| *Pyrophacus steinii* (Schiller) Wall & Dale, 1971 | \* | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Scrippsiella trochoidea* (Stein) Loeblich III, 1976 |  |  |  |  | \* | \* |  |  |  |  |  |  | \* | \* |  |  |
| *Spatulodinium pseudonoctiluca* (Pouchet) J.Cachon & M.Cachon, 1968 |  |  |  |  |  |  |  |  |  |  |  |  |  | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cryptophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Cryptomonas* spp. |  |  | \* |  |  |  |  | \* |  |  |  |  |  |  |  |  |
| *Cryptophyta* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \*? |
| *Hemiselmis* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Plagioselmis* sp. | \* | \*? | \*? | \*? | \* | \*? | \*? | \*? | \* | \*? | \*? | \*? | \*? | \*? | \*? | \*? |
| *Rhodomonas* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Teleaulax acuta* (Butcher) D.R.A.Hill, 1991 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Haptophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chrysochromulina* spp. | \*? | \*? | \*? | \* | \* | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? |
| Coccolithales spp. | \* | \* | \*? | \*? | \* | \* | \* | \*? | \*? | \*? | \*? | \*? | \*? | \* | \*? | \* |
| *Imantonia rotundata* N.Reynolds, 1974 |  |  | \* | \* | \* | \* | \* | \* |  | \* | \* | \* | \* | \* | \* | \* |
| *Phaeocystis* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Taxa** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** | **61** | **62** | **63** | **64** |
| **Chlorophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chlamydomonas* sp. |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pyramimonas* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Tetraselmis* sp. |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Dictyochophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Vicicitus globosus* (Y.Hara & Chihara) F.H.Chang, 2012 |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dictyocha fibula* Ehrenberg, 1839 | \* | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |  | \* | \* | \* | \* |
| *Dictyocha octonaria* Ehrenberg, 1944 |  | \* |  |  |  |  |  | \* |  | \* | \* |  |  | \* |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Eyglenozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Euglena* spp. | \* | \* | \* | \* |  |  |  |  |  |  | \* | \* | \* |  | \* | \* |
| *Eutreptiella* sp. |  |  |  | \* |  |  | \* | \* |  | \* | \* | \* | \* | \* | \* |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cercozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ebria tripartita* (J.Schumann) Lemmermann, 1899 |  |  |  |  |  |  |  | \* | \* |  | \* | \* |  |  | \* |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Ciliophora** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Mesodinium rubrum* (Lohmann, 1908) |  |  |  |  |  |  |  |  |  |  | \* |  |  |  | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Telonemida** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Telonema subtile* Greissmann, 1913 |  |  | \* | \* |  |  |  |  |  |  |  |  |  |  | \* |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Xanthophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Meringosphaera mediterranea* Lohmann, 1903 |  | \* | \* |  |  |  |  |  | \* | \* | \* | \* |  |  |  |  |

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| **Taxa** | **65** | **66** | **67** | **68** | **69** | **70** | **71** | **72** | **73** | **74** | **75** | **76** | **77** | **78** | **79** | **80** |
| **Bacillariophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Asterionellopsis glacialis* (Castracane) Round, 1990 |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Bacteriastrum* sp. | \* |  |  | \* | \* |  |  | \* |  |  |  |  | \* |  |  |  |
| *Chaetoceros affinis* Lauder, 1864 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Chaetoceros curvisetus* Cleve, 1889 | \* | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Chaetoceros danicus* Cleve, 1889 |  |  | \* | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Chaetoceros peruvianus* Brightwell, 1856 |  |  | \* |  |  |  | \* | \* |  | \* |  |  |  |  |  |  |
| *Chaetoceros* cf. *simplex* Ostenfeld, 1902 |  |  |  |  |  | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Chaetoceros tenuissimus* Meunier, 1913 |  | \* |  | \* |  |  | \* | \* | \* | \* | \* |  |  | \* | \* | \*? |
| *Chaetoceros* spp. |  | \* |  | \* | \* | \* | \* | \* | \*? | \* | \* | \* | \* | \* | \* | \* |
| *Coscinodiscus* sp. | \* | \* |  |  | \* | \* | \* | \* | \* | \* |  | \* |  | \* |  |  |
| *Cyclotella* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \* | \* |
| *Cylindrotheca closterium* (Ehrenberg) Reimann & J.C.Lewin, 1964 | \* | \* | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Dactyliosolen blavyanus* (H.Peragallo) Hasle, 1975 |  | \* | \* |  |  | \* | \* | \* | \* | \* |  | \* | \* |  | \* |  |
| *Dactyliosolen fragilissimus* (Bergon) Hasle, 1996 |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  | \* | \* |  | \* |
| *Dactyliosolen phuketensis* (B.G. Sundström) G.R.Hasle, 1996 |  | \* | \* |  |  | \* |  | \* | \* | \* |  |  | \* |  |  |  |
| *Detonula* cf. *pumila* (Castracane) Gran, 1900 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ditylum brightwellii* (T.West) Grunow, 1885 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |
| *Eucampia* cf. *zodiacus* Ehrenberg, 1839 |  |  |  |  |  |  |  | \* | \* | \* |  | \* | \* | \* | \* | \* |
| *Guinardia delicatula* (Cleve) Hasle, 1997 |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Guinardia striata* (Stolterfoth) Hasle, 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Helicotheca tamesis* (Shrubsole) M.Ricard, 1987 |  |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiaulus hauckii* Grunow ex Van Heurck, 1882 |  |  | \* | \* |  | \* |  | \* | \* | \* | \* | \* |  |  | \* | \* |
| *Hemiaulus sinensis* Greville, 1865 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Hemiaulus* sp. |  |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptocylindrus danicus* Cleve, 1889 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \*? | \* |
| *Leptocylindrus mediterraneus* (H.Peragallo) Hasle, 1975 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptocylindrus minimus* Gran, 1915 |  | \* | \* | \* | \* | \* | \* | \*? | \* | \*? | \* | \* | \*? | \* | \* | \* |

**Table (continued):**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Taxa** | **65** | **66** | **67** | **68** | **69** | **70** | **71** | **72** | **73** | **74** | **75** | **76** | **77** | **78** | **79** | **80** |
| *Licmophora* sp. |  |  |  |  |  | \* |  | \* |  | \* | \* |  |  |  | \* |  |
| *Lioloma pacificum* (Cupp) Hasle, 1996 |  | \* | \* | \* | \* | \* | \* |  | \* |  |  |  | \* |  |  |  |
| *Melosira* sp. |  | \* |  |  |  |  | \* | \* |  | \* | \* |  |  |  |  |  |
| *Meuniera membranacea* (Cleve) P.C.Silva, 1996 |  |  | \* | \* | \* | \* | \* | \* |  | \* |  |  |  |  |  | \* |
| *Navicula* sp. |  | \* |  |  |  |  |  | \* |  |  |  | \* | \* |  | \* |  |
| *Nitzschia longissima* (Brébisson) Ralfs, 1861 |  |  |  |  | \* |  | \* |  |  |  |  |  |  |  | \* | \* |
| *Nitzschia* spp. (small – length < 10 μm) | \* | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |  | \* |  | \* | \* |
| *Odontella* *mobiliensis* (J.W.Bailey) Grunow, 1884 |  |  |  |  |  |  | \* | \* |  |  |  |  |  |  |  |  |
| *Pleurosigma normanii* Ralfs, 1861 | \* |  | \* |  | \* | \* | \* | \* | \* |  | \* |  |  | \* |  |  |
| *Proboscia* cf. *alata* (Brightwell) Sundström, 1986 |  | \* | \* |  |  |  |  | \* |  |  |  | \* |  |  | \* | \* |
| *Proboscia* sp. | \* |  |  |  |  |  |  |  |  | \* | \* |  | \* | \* | \* |  |
| *Pseudoguinardia recta* Stosch, 1986 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *delicatissima* (Cleve) Heiden, 1928 | \* |  |  |  | \* |  |  |  |  | \* | \* | \* | \* |  |  | \* |
| *Pseudonitzschia* cf. *multistriata* (H.Takano) H.Takano, 1995 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pseudonitzschia* cf. *pseudodelicatissima,*(Hasle) Hasle, 1993 |  | \* | \* |  |  | \* | \* | \* | \* | \* | \* |  |  |  |  | \* |
| *Pseudonitzschia* cf. *pungens* (Grunow ex Cleve) G.R.Hasle, 1993 | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |  | \* | \* | \* | \* | \* |
| *Pseudonitzschia* spp. | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Rhizosolenia setigera* Brightwell, 1858 |  |  |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Rhizosolenia* spp. |  | \* | \* | \* |  | \* | \* | \* |  | \* |  | \* | \* |  | \* | \* |
| *Skeletonema costatum* (Greville) Cleve, 1873 | \* | \* | \* | \* | \* | \* | \* | \*? | \* | \* | \* | \* |  |  |  |  |
| *Thalassionema* cf. *nitzschioides* (Grunow) Mereschkowsky, 1902 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Thalassiosira* sp. | \* | \* | \* | \* |  | \* | \* | \* |  | \* | \* |  |  |  |  |  |
| Centric Diatoms – small (diameter < 10 μm) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Centric Diatoms – medium size (diameter 10-30 μm) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **65** | **66** | **67** | **68** | **69** | **70** | **71** | **72** | **73** | **74** | **75** | **76** | **77** | **78** | **79** | **80** |
| **Dinophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Alexandrium* sp. |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Amphidinium* cf. *sphenoides* Wüiff, 1916 |  |  |  |  |  |  | \* |  | \* |  |  |  |  |  |  |  |
| *Amphidinium* sp. |  |  |  |  |  |  |  | \* | \* |  | \* | \* |  |  |  |  |
| *Ceratium furca* (Ehrenberg) Claparède & Lachmann, 1859 |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |  |  |
| *Ceratium fusus* (Ehrenberg) Dujardin, 1841 | \* | \* | \* |  | \* | \* |  |  | \* |  | \* | \* |  | \* |  | \* |
| *Ceratium lineatum* (Ehrenberg) Cleve, 1899 | \* | \* | \* | \* | \* | \* |  |  | \* |  | \* | \* |  | \* | \* | \* |
| *Ceratium trichoceros* (Ehrenberg) Kofoid, 1881 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratium tripos* (O.F.Müller) Nitzsch, 1817 | \* |  |  | \* |  |  |  |  |  |  |  | \* |  |  |  |  |
| *Ceratium* sp. |  |  | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ceratoperidinium falcatum* (Kofoid & Swezy) Reňé & Salas, 2013 | \* |  |  |  |  | \* |  |  | \* |  |  |  |  |  |  |  |
| *Dinophysis* cf. *acuminata* Claparède & Lachmann, 1859 | \* | \* | \* |  | \* |  |  |  | \* |  |  | \* |  | \* |  | \* |
| *Dinophysis caudata* Saville-Kent, 1881 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dinophysis dens* Pavillard, 1915 | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Diplopsalis lenticula* Bergh, 1881 |  |  |  |  |  |  |  |  | \* |  |  | \* |  |  | \* | \* |
| *Gonyaulax* cf. *fragilis* (Schütt) Kofoid, 1911 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \* |
| *Gonyaulax* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Gymnodinium* spp. | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Gyrodinium spirale* (Bergh) Kofoid & Swezy, 1921 | \* | \* | \* |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| *Gyrodinium* spp. |  |  |  |  | \* |  |  |  | \* |  | \* | \* | \* | \* | \* | \* |
| *Heterocapsa* cf. *niei* (Loeblich III) Morrill & Loeblich III, 1981 | \*? | \* | \* |  |  | \* | \* |  | \* | \* | \* | \* | \* | \* | \* | \* |
| *Karenia brevis* (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000 |  |  |  |  |  |  |  |  |  |  | \* |  |  |  | \* |  |
| *Karlodinium* spp. |  | \* | \* |  | \* | \* |  |  |  |  |  | \* | \* |  |  | \* |
| *Katodinium glaucum* (Lebour) Loeblich III, 1965 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  | \* | \* | \* |
| *Kofoidinium* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Noctiluca scintillans* (Macartney) Kofoid & Swezy, 1921 |  | \* |  |  |  | \* |  |  | \* |  | \* | \* | \* |  |  | \* |
| *Ornithocercus* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Oxyphysis oxytoxoides* Kofoid, 1926 | \* | \* | \* | \* |  |  |  |  | \* |  | \* | \* |  |  |  | \* |
| *Oxytoxum* sp. |  |  | \* |  |  |  | \* |  |  |  |  | \* |  |  |  | \* |
| *Peridiniella catenata* (Levander) Balech, 1977 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Podolampas palmipes* Stein, 1883 | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Taxa** | **65** | **66** | **67** | **68** | **69** | **70** | **71** | **72** | **73** | **74** | **75** | **76** | **77** | **78** | **79** | **80** |
| *Polykrikos* cf. *kofoidii* Chatton, 1914 |  |  |  |  |  |  |  |  | \* |  |  |  |  | \* |  |  |
| *Polykrikos* cf. *schwartzii* Bütschli, 1873 |  |  |  |  |  |  |  | \* |  | \* | \* |  |  |  |  |  |
| *Prorocentrum compressum* (J.W.Bailey) Abé ex J.D.Dodge, 1975 | \* | \* | \* | \* |  |  |  |  | \* | \* | \* | \* |  |  |  | \* |
| *Prorocentrum lima* (Ehrenberg) F.Stein, 1878 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Prorocentrum* cf. *triestinum* J.Schiller, 1918 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Prorocentrum micans* Ehrenberg, 1834 | \* | \* | \* |  | \* | \* |  | \* | \* | \* | \* | \* |  |  |  | \* |
| *Protoperidinium bipes* (Paulsen, 1904) Balech, 1974 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Protoperidinium divergens* (Ehrenberg, 1840) Balech, 1974 |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |  |  |
| *Protoperidinium* cf. *oceanicum* (VanHöffen, 1897) Balech, 1974 | \* |  | \* |  |  | \* |  |  |  |  | \* | \* |  | \* |  |  |
| *Protoperidinium* cf. *pyriforme* (Paulsen, 1905) Balech, 1974 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Protoperidinium* spp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pyrophacus steinii* (Schiller) Wall & Dale, 1971 |  |  |  |  |  |  |  |  | \* |  | \* | \* |  |  |  |  |
| *Scrippsiella trochoidea* (Stein) Loeblich III, 1976 |  | \* | \* | \* |  |  |  |  | \* |  | \* | \* | \* |  | \* |  |
| *Spatulodinium pseudonoctiluca* (Pouchet) J.Cachon & M.Cachon, 1968 | \* | \* |  |  |  |  |  |  | \* |  |  | \* | \* |  | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cryptophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Cryptomonas* spp. |  |  |  |  |  | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |
| *Cryptophyta* sp. | \*? | \*? | \* | \*? | \*? | \*? | \*? | \*? |  |  |  |  |  |  |  |  |
| *Hemiselmis* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Plagioselmis* sp. | \*? | \* |  | \* | \* | \* | \* | \* | \* | \* | \*? | \* | \* | \* | \* | \* |
| *Rhodomonas* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Teleaulax acuta* (Butcher) D.R.A.Hill, 1991 | \* | \* | \* |  | \* | \* | \* | \* | \* | \* | \*? | \*? | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Haptophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chrysochromulina* spp. | \*? | \* | \* | \*? | \*? | \*? | \*? | \* | \*? | \*? | \*? | \*? | \*? | \*? | \*? | \*? |
| Coccolithales spp. | \* | \* | \*? | \*? | \*? | \*? | \*? | \* | \* | \* | \* | \* | \*? | \*? | \*? | \* |
| *Imantonia rotundata* N.Reynolds, 1974 |  |  |  |  |  | \* | \* | \* | \*? | \*? | \*? | \*? | \*? | \*? | \* | \* |
| *Phaeocystis* sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table (continued):**

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| **Taxa** | **65** | **66** | **67** | **68** | **69** | **70** | **71** | **72** | **73** | **74** | **75** | **76** | **77** | **78** | **79** | **80** |
| **Chlorophyta** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Chlamydomonas* sp. | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pyramimonas* sp. | \* |  |  |  |  |  |  |  |  |  | \* | \* |  | \* | \* | \* |
| *Tetraselmis* sp. | \* | \* |  | \* |  | \* | \* | \* | \* | \* | \* | \* |  | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Dictyochophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Vicicitus globosus* (Y.Hara & Chihara) F.H.Chang, 2012 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Dictyocha fibula* Ehrenberg, 1839 | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |  | \* | \* | \* |  | \* |
| *Dictyocha octonaria* Ehrenberg, 1944 |  | \* |  |  |  |  |  | \* | \* | \* | \* | \* | \* | \* | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Eyglenozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Euglena* spp. | \* | \* |  |  |  |  |  | \* |  |  |  |  |  |  | \* |  |
| *Eutreptiella* sp. | \* | \* |  |  | \* | \* |  |  |  | \* | \* | \* | \* |  | \* | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cercozoa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ebria tripartita* (J.Schumann) Lemmermann, 1899 |  |  |  |  |  |  |  |  |  | \* |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Ciliophora** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Mesodinium rubrum* (Lohmann, 1908) |  | \*? | \*? | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Telonemida** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Telonema subtile* Greissmann, 1913 |  |  |  | \* |  |  |  |  | \* |  |  |  | \* |  |  | \* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Xanthophyceae** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Meringosphaera mediterranea* Lohmann, 1903 |  | \* |  |  |  |  | \* | \* | \* | \* |  |  | \* |  |  |  |

**Table (continued):**

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| --- | --- | --- | --- |
| **Taxa** | **81** | **82** | **83** |
| **Bacillariophyta** |  |  |  |
| *Asterionellopsis glacialis* (Castracane) Round, 1990 |  |  |  |
| *Bacteriastrum* sp. |  |  |  |
| *Chaetoceros affinis* Lauder, 1864 | \* | \* | \* |
| *Chaetoceros curvisetus* Cleve, 1889 | \* | \* | \* |
| *Chaetoceros danicus* Cleve, 1889 | \* | \* | \* |
| *Chaetoceros peruvianus* Brightwell, 1856 |  |  |  |
| *Chaetoceros* cf. *simplex* Ostenfeld, 1902 | \* | \* | \* |
| *Chaetoceros tenuissimus* Meunier, 1913 | \*? | \*? | \*? |
| *Chaetoceros* spp. | \* | \* | \* |
| *Coscinodiscus* sp. |  |  |  |
| *Cyclotella* sp. | \* | \* |  |
| *Cylindrotheca closterium* (Ehrenberg) Reimann & J.C.Lewin, 1964 | \* | \* | \* |
| *Dactyliosolen blavyanus* (H.Peragallo) Hasle, 1975 |  |  |  |
| *Dactyliosolen fragilissimus* (Bergon) Hasle, 1996 | \* | \* | \* |
| *Dactyliosolen phuketensis* (B.G. Sundström) G.R.Hasle, 1996 |  |  |  |
| *Detonula* cf. *pumila* (Castracane) Gran, 1900 |  |  |  |
| *Ditylum brightwellii* (T.West) Grunow, 1885 |  |  | \* |
| *Eucampia* cf. *zodiacus* Ehrenberg, 1839 | \* | \* | \* |
| *Guinardia delicatula* (Cleve) Hasle, 1997 |  |  |  |
| *Guinardia striata* (Stolterfoth) Hasle, 1996 |  |  |  |
| *Helicotheca tamesis* (Shrubsole) M.Ricard, 1987 |  |  |  |
| *Hemiaulus hauckii* Grunow ex Van Heurck, 1882 | \* | \* | \* |
| *Hemiaulus sinensis* Greville, 1865 |  |  |  |
| *Hemiaulus* sp. |  |  |  |
| *Leptocylindrus danicus* Cleve, 1889 | \* | \* | \* |
| *Leptocylindrus mediterraneus* (H.Peragallo) Hasle, 1975 |  |  |  |
| *Leptocylindrus minimus* Gran, 1915 | \* | \* | \*? |

**Table (continued):**

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxa** | **81** | **82** | **83** |
| *Licmophora* sp. | \* |  | \* |
| *Lioloma pacificum* (Cupp) Hasle, 1996 |  |  | \* |
| *Melosira* sp. |  |  |  |
| *Meuniera membranacea* (Cleve) P.C.Silva, 1996 | \* | \* | \* |
| *Navicula* sp. |  |  | \* |
| *Nitzschia longissima* (Brébisson) Ralfs, 1861 | \* | \* | \* |
| *Nitzschia* spp. (small – length < 10 μm) | \* | \* | \* |
| *Odontella* *mobiliensis* (J.W.Bailey) Grunow, 1884 |  |  |  |
| *Pleurosigma normanii* Ralfs, 1861 | \* |  |  |
| *Proboscia* cf. *alata* (Brightwell) Sundström, 1986 | \* | \* | \* |
| *Proboscia* sp. | \* |  |  |
| *Pseudoguinardia recta* Stosch, 1986 |  |  |  |
| *Pseudonitzschia* cf. *delicatissima* (Cleve) Heiden, 1928 | \* | \* |  |
| *Pseudonitzschia* cf. *multistriata* (H.Takano) H.Takano, 1995 |  |  |  |
| *Pseudonitzschia* cf. *pseudodelicatissima,*(Hasle) Hasle, 1993 |  | \* |  |
| *Pseudonitzschia* cf. *pungens* (Grunow ex Cleve) G.R.Hasle, 1993 |  | \* |  |
| *Pseudonitzschia* spp. | \* | \* | \* |
| *Rhizosolenia setigera* Brightwell, 1858 | \* | \* | \* |
| *Rhizosolenia* spp. | \* | \* | \* |
| *Skeletonema costatum* (Greville) Cleve, 1873 |  |  |  |
| *Thalassionema* cf. *nitzschioides* (Grunow) Mereschkowsky, 1902 |  | \* | \* |
| *Thalassiosira* sp. |  |  |  |
| Centric Diatoms – small (diameter < 10 μm) |  |  |  |
| Centric Diatoms – medium size (diameter 10-30 μm) |  |  |  |

**Table (continued):**

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxa** | **81** | **82** | **83** |
| **Dinophyceae** |  |  |  |
| *Alexandrium* sp. |  |  |  |
| *Amphidinium* cf. *sphenoides* Wüiff, 1916 |  |  |  |
| *Amphidinium* sp. | \* |  | \* |
| *Ceratium furca* (Ehrenberg) Claparède & Lachmann, 1859 |  |  | \* |
| *Ceratium fusus* (Ehrenberg) Dujardin, 1841 |  | \* |  |
| *Ceratium lineatum* (Ehrenberg) Cleve, 1899 |  | \* | \* |
| *Ceratium trichoceros* (Ehrenberg) Kofoid, 1881 |  |  |  |
| *Ceratium tripos* (O.F.Müller) Nitzsch, 1817 |  |  |  |
| *Ceratium* sp. |  |  |  |
| *Ceratoperidinium falcatum* (Kofoid & Swezy) Reňé & Salas, 2013 |  |  |  |
| *Dinophysis* cf. *acuminata* Claparède & Lachmann, 1859 | \* | \* | \* |
| *Dinophysis caudata* Saville-Kent, 1881 |  |  |  |
| *Dinophysis dens* Pavillard, 1915 |  |  |  |
| *Diplopsalis lenticula* Bergh, 1881 | \* |  | \* |
| *Gonyaulax* cf. *fragilis* (Schütt) Kofoid, 1911 | \* | \* | \* |
| *Gonyaulax* sp. |  |  |  |
| *Gymnodinium* spp. | \* | \* | \*? |
| *Gyrodinium spirale* (Bergh) Kofoid & Swezy, 1921 | \* | \* | \* |
| *Gyrodinium* spp. | \* | \* | \* |
| *Heterocapsa* cf. *niei* (Loeblich III) Morrill & Loeblich III, 1981 | \* | \* | \* |
| *Karenia brevis* (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000 | \* | \* | \* |
| *Karlodinium* spp. | \* |  | \* |
| *Katodinium glaucum* (Lebour) Loeblich III, 1965 | \* | \* | \* |
| *Kofoidinium* sp. |  |  |  |
| *Noctiluca scintillans* (Macartney) Kofoid & Swezy, 1921 | \* | \* | \* |
| *Ornithocercus* sp. |  |  |  |
| *Oxyphysis oxytoxoides* Kofoid, 1926 | \* | \* | \* |
| *Oxytoxum* sp. | \* |  | \* |
| *Peridiniella catenata* (Levander) Balech, 1977 |  |  |  |
| *Podolampas palmipes* Stein, 1883 |  |  | \* |

**Table (continued):**

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxa** | **81** | **82** | **83** |
| *Polykrikos* cf. *kofoidii* Chatton, 1914 |  |  |  |
| *Polykrikos* cf. *schwartzii* Bütschli, 1873 |  |  |  |
| *Prorocentrum compressum* (J.W.Bailey) Abé ex J.D.Dodge, 1975 | \* | \* | \* |
| *Prorocentrum lima* (Ehrenberg) F.Stein, 1878 |  |  |  |
| *Prorocentrum* cf. *triestinum* J.Schiller, 1918 |  |  |  |
| *Prorocentrum micans* Ehrenberg, 1834 | \* | \* | \* |
| *Protoperidinium bipes* (Paulsen, 1904) Balech, 1974 |  | \* |  |
| *Protoperidinium divergens* (Ehrenberg, 1840) Balech, 1974 |  |  | \* |
| *Protoperidinium* cf. *oceanicum* (VanHöffen, 1897) Balech, 1974 | \* |  | \* |
| *Protoperidinium* cf. *pyriforme* (Paulsen, 1905) Balech, 1974 |  |  |  |
| *Protoperidinium* spp. |  |  |  |
| *Pyrophacus steinii* (Schiller) Wall & Dale, 1971 |  |  |  |
| *Scrippsiella trochoidea* (Stein) Loeblich III, 1976 |  |  |  |
| *Spatulodinium pseudonoctiluca* (Pouchet) J.Cachon & M.Cachon, 1968 | \* |  | \* |
|  |  |  |  |
| **Cryptophyta** |  |  |  |
| *Cryptomonas* spp. | \* | \* | \* |
| *Cryptophyta* sp. |  |  |  |
| *Hemiselmis* sp. |  |  |  |
| *Plagioselmis* sp. | \* | \* | \* |
| *Rhodomonas* sp. |  |  |  |
| *Teleaulax acuta* (Butcher) D.R.A.Hill, 1991 | \* | \* | \* |
|  |  |  |  |
| **Haptophyceae** |  |  |  |
| *Chrysochromulina* spp. | \*? | \*? | \*? |
| Coccolithales spp. | \* | \* | \* |
| *Imantonia rotundata* N.Reynolds, 1974 | \* | \* | \* |
| *Phaeocystis* sp. |  |  |  |

**Table (continued):**

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxa** | **81** | **82** | **83** |
| **Chlorophyta** |  |  |  |
| *Chlamydomonas* sp. |  |  |  |
| *Pyramimonas* sp. |  | \* |  |
| *Tetraselmis* sp. |  |  |  |
|  |  |  |  |
| **Dictyochophyceae** |  |  |  |
| *Vicicitus globosus* (Y.Hara & Chihara) F.H.Chang, 2012 |  |  |  |
| *Dictyocha fibula* Ehrenberg, 1839 | \* |  |  |
| *Dictyocha octonaria* Ehrenberg, 1944 | \* |  |  |
|  |  |  |  |
| **Eyglenozoa** |  |  |  |
| *Euglena* spp. |  | \* |  |
| *Eutreptiella* sp. | \* | \* | \* |
|  |  |  |  |
| **Cercozoa** |  |  |  |
| *Ebria tripartita* (J.Schumann) Lemmermann, 1899 |  |  |  |
|  |  |  |  |
| **Ciliophora** |  |  |  |
| *Mesodinium rubrum* (Lohmann, 1908) |  |  |  |
|  |  |  |  |
| **Telonemida** |  |  |  |
| *Telonema subtile* Greissmann, 1913 |  |  |  |
|  |  |  |  |
| **Xanthophyceae** |  |  |  |
| *Meringosphaera mediterranea* Lohmann, 1903 |  |  |  |