| Kermélo (Anse de Kermélo) | 21 E 3592 | 21 E 3970 | 21 E 4834 | 21 E 5300 | 21 E 5814 | 21 E6240 | 21 E6634 | 21 E 7465 | 21 E 8022 | 21 E 8482 | 21 E 9162 | 21 E 10515 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 04/05/2021 | 17/05/2021 | 09/06/2021 | 21/06/2021 | 05/07/2021 | 19/07/2021 | 02/08/2021 | 30/08/2021 | 14/09/2021 | 27/09/2021 | 11/10/2021 | 22/11/2021 |
| Chlorophylle a ( µg/l) | | | | | | | | | | | | |
| Fluorescence Phycocyanine (µg/l) | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **CYANOTOXINES** | | | | | | | | | | | | |
| Microcystines LR (µg/l) | | | | | | | | | | | | |
| Microcystines YR (µg/l) | | | | | | | | | | | | |
| Microcystines RR (µg/l) | | | | | | | | | | | | |
| Microcystine LF (µg/L) | | | | | | | | | | | | |
| Microcystine LW (µg/L) | | | | | | | | | | | | |
| Microcystine LY (µg/L) | | | | | | | | | | | | |
| Microcystine LA (µg/L) | | | | | | | | | | | | |
| Microcystines LR desmethyl (µg/l) | | | | | | | | | | | | |
| Microcystines RR desmethyl (µg/l) | | | | | | | | | | | | |
| Anatoxine A (µg/L) | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Nbre de cyanobactéries par mL | 56 | 320 | 320 | 4 120 | 2 620 | 1 100 | 0 | 360 | 320 | 1 920 | 1 040 | 240 |
| Autres algues par mL | 1 470 | 960 | 1 520 | 760 | 1 280 | 1 040 | 240 | 720 | 640 | 280 | 8 240 | 520 |
| Nbre total de cellules par mL | 1 526 | 1 280 | 1 840 | 4 880 | 3 900 | 2 140 | 240 | 1 080 | 960 | 2 200 | 9 280 | 760 |
| | | | | | | | | | | | | |
| **Répartition en %** | | | | | | | | | | | | |
| CHLOROPHYCEES | 2,9 | 12,5 | 0,0 | 9,8 | 4,6 | 3,7 | 58,3 | 25,9 | 0,0 | 0,0 | 0,0 | 31,6 |
| ZYGOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| DIATOMOPHYCEES | 93,4 | 43,8 | 82,6 | 5,7 | 28,2 | 24,3 | 16,7 | 38,9 | 66,7 | 1,8 | 0,9 | 31,6 |
| CHRYSOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| DINOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 16,8 | 25,0 | 0,0 | 0,0 | 1,8 | 1,7 | 0,0 |
| CRYPTOPHYCEES | 0,0 | 18,8 | 0,0 | 0,0 | 0,0 | 3,7 | 0,0 | 0,0 | 0,0 | 9,1 | 86,2 | 5,3 |
| XANTOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| EUGLENOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 1,9 | 0,0 | 0,0 | 0,0 | 0,0 |
| **CYANOBACTERIES** | 3,7 | 25,0 | 17,4 | 84,4 | 67,2 | 51,4 | 0,0 | 33,3 | 33,3 | 87,3 | 11,2 | 31,6 |
| **total en %** | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| | | | | | | | | | | | | |
| **Nbre de cellules/mL** | | | | | | | | | | | | |
| **CYANOBACTERIES** | | | | | | | | | | | | |
| *Anabaena circinalis (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena crassa (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena flos aquae (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena heterospora (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena mendotae (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena planctonica (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena spiroides (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena viguieri (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena sp. ((Dolichospermum)* | | | | | | | | | | | | |
| *Aphanizomenon aphanizomenoides* | | | | | | | | | | | | |
| *Aphanizomenon flos aquae* | | | | | | | | | | | | |
| *Aphanizomenon gracile* | | | | | | | | | | | | |
| *Aphanizomenon issatschenkoi (Cuspidothrix)* | | | | | | | | | | | | |
| *Aphanizomenon sp.* | | | | | | | | | | | | |
| *Aphanocapsa sp.* | | | | | | | | | | | | |
| *Aphanothece sp.* | | | | | | | | | | | | |
| *Calothrix sp* | | | | | | | | | | | | |
| *Chroococcus sp.* | | | | 720 | 160 | | | 160 | | | | |
| *Coelomoron sp.* | | | | | | | | | | | | |
| *Coelosphaerium sp.* | | | | | | | | | | | | |
| *Cyanodictyon sp* | | | | | | | | | | | 800 | |
| *Cyanogranis sp* | | | | | | | | | | | | |
| *Cyanonephron sp.* | | | | | | | | | | | | |
| *Cylindrospermopsis sp.* | | | | | | | | | | | | |
| *Cylindrospermum sp.* | | | | | | | | | | | | |
| *Geitlerinema sp* | | | | | | | | | | | | |
| *Gloeotrichia sp* | | | | | | | | | | | | |
| *Gomphosphaeria sp* | | | | | | | | | | | | |
| *Komvophoron sp.* | | | | | | | | | | | | |
| *Lemmermaniella sp.* | | | | | | | | | | | | |
| *Leptolyngbya sp.* | | | | | | | | | | | | |
| *Limnothrix redekei* | | | | | | | | | | | | |
| *Limnothrix sp* | 56 | | | 800 | 860 | 1 100 | | | | 1 600 | 240 | 240 |
| *Lyngbya sp.* | | | | | | | | | | | | |
| *Merismopedia glauca* | | | | | | | | | | | | |
| *Merismopedia tenuissima* | | | | | | | | | | | | |
| *Merismopedia sp.* | | | 320 | 2 600 | 1 600 | | | | 320 | | | |
| *Microcystis aeruginosa* | | | | | | | | | | | | |
| *Microcystis botrys* | | | | | | | | | | | | |
| *Microcystis flos aquae* | | | | | | | | | | | | |
| *Microcystis viridis* | | | | | | | | | | | | |
| *Microcystis wesenbergii* | | | | | | | | | | | | |
| *Microcystis sp.* | | | | | | | | | | | | |
| *Nostoc sp* | | | | | | | | | | | | |
| *Oscillatoria limosa* | | | | | | | | | | | | |
| *Oscillatoria princeps* | | | | | | | | | | | | |
| *Oscillatoria sp.* | | | | | | | | | | | | |
| *Pannus sp* | | | | | | | | | | | | |
| *Phormidium sp.* | | | | | | | | | | | | |
| *Planktolyngbia sp.* | | | | | | | | | | | | |
| *Planktothrix agardhii* | | | | | | | | | | | | |
| *Planktothrix sp.* | | | | | | | | | | | | |
| *Planktothrix isothrix* | | | | | | | | | | | | |
| *Pseudanabaena catenata* | | | | | | | | | | | | |
| *Pseudanabaena limnetica* | | | | | | | | | | | | |
| *Pseudanabaena mucicola* | | | | | | | | | | | | |
| *Pseudanabaena sp.* | | 320 | | | | | | 200 | | 320 | | |
| *Radiocystis sp.* | | | | | | | | | | | | |
| *Rhabdoderma sp.* | | | | | | | | | | | | |
| *Rhaphidiopsis sp.* | | | | | | | | | | | | |
| *Rivularia sp* | | | | | | | | | | | | |
| *Romeria sp.* | | | | | | | | | | | | |
| *Snowella sp.* | | | | | | | | | | | | |
| *Spirulina sp.* | | | | | | | | | | | | |
| *Synechococcus sp.* | | | | | | | | | | | | |
| *Woronichinia sp.* | | | | | | | | | | | | |
| Autres cyanobactéries picoplanctoniques | | | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **CHLOROPHYCEES** | | | | | | | | | | | | |
| *Actinastrum sp.* | | | | | | | | | | | | |
| *Acutodesmus sp* | | | | | | | | | | | | |
| *Ankistrodesmus falcatus* | | | | | | | | | | | | |
| *Ankyra sp.* | | | | | | | | 20 | | | | |
| *Botryococcus braunii* | | | | | | | | | | | | |
| *Chlamydomonas sp.* | | | | | | | | | | | | |
| *Chlorella sp.* | | | | | | | | | | | | |
| *Chlorococcum sp.* | | | | | | | | | | | | |
| *Closteriopsis sp.* | | | | | | | | | | | | |
| *Coelastrum sp.* | | | | | | | | | | | | |
| *Coronastrum sp* | | | | | | | | | | | | |
| *Crucigenia sp.* | | | | | | | 60 | | | | | |
| *Crucigeniella sp.* | | | | | | | | | | | | |
| *Desmodesmus sp* | | | | | | | | | | | | |
| *Diacanthos sp* | | | | | | | | | | | | |
| *Dichotomococcus sp* | | | | | | | | | | | | |
| *Dictyosphaerium sp.* | | | | | | | | | | | | |
| *Didymogenes sp* | | | | | | | | | | | | |
| *Elakatothrix sp* | | | | | | | | | | | | |
| *Eudorina sp.* | | | | | | | | | | | | |
| *Franceia sp.* | | | | | | | | | | | | |
| *Golenkinia sp* | | | | | | | | | | | | |
| *Golenkiniopsis sp* | | | | | | | | | | | | |
| *Gonium sp.* | | | | | | | | | | | | |
| *Haematococcus sp* | | | | | | | | | | | | |
| *Kirchneriella sp.* | | 40 | | | | | | | | | | |
| *Lagerheimia sp.* | | | | | | | | | | | | |
| *Micractinium sp.* | | | | | | | | | | | | |
| *Micractinium bornhemiense* | | | | | | | | | | | | |
| *Microspora sp* | | | | | | | | | | | | |
| *Monoraphidium sp.* | 10 | | | 80 | 20 | | | 20 | | | | 40 |
| *Nephrocytium sp* | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Oedogonium sp.* | | | | | | | | | | | | |
| *Oocystis sp.* | | | | | | | | | | | | |
| *Pandorina sp.* | | | | | | | | | | | | |
| *Paulschulzia sp* | | | | | | | | | | | | |
| *Pediastrum sp.* | 16 | | | 240 | | | 80 | | | | | |
| *Planctonema sp* | | | | | | | | | | | | |
| *Polyedriopsis sp* | | | | | | | | | | | | |
| *Pteromonas sp* | | | | | | | | | | | | |
| *Quadrigula sp.* | | | | | | | | | | | | |
| *Radiococcus sp.* | | | | | | | | | | | | |
| *Rhizoclonium sp* | | | | | | | | | | | | |
| *Scenedesmus sp.* | 16 | | | 80 | 160 | 80 | | 240 | | | | 160 |
| *Schroederia sp.* | | | | | | | | | | | | |
| *Selenastrum sp.* | | | | | | | | | | | | |
| *Sphaerellopsis sp* | | | | | | | | | | | | |
| *Sphaerocystis sp.* | | | | | | | | | | | | |
| *Tetraedron sp.* | 2 | | | | | | | | | | | |
| *Tetrastrum sp.* | | | | | | | | | | | | |
| *Treubaria sp.* | | | | | | | | | | | | |
| *Trochiscia sp* | | | | | | | | | | | | |
| *Volvox sp.* | | | | | | | | | | | | |
| *Ulothrix sp* | | | | | | | | | | | | |
| **Autres** | | 120 | | 80 | | | | | | | | 40 |
| **ZYGOPHYCEES** | | | | | | | | | | | | |
| *Closterium sp.* | | | | | | | | | | | | |
| *Cosmarium sp.* | | | | | | | | | | | | |
| *Euastrum sp* | | | | | | | | | | | | |
| *Mougeotia sp* | | | | | | | | | | | | |
| *Spirogyra sp.* | | | | | | | | | | | | |
| *Spondylosium sp.* | | | | | | | | | | | | |
| *Staurastrum sp.* | | | | | | | | | | | | |
| *Staurodesmus sp.* | | | | | | | | | | | | |
| *Zygnema sp* | | | | | | | | | | | | |
| **Autres** | | | | | | | | | | | | |
| **DIATOMEES** | | | | | | | | | | | | |
| *Aulacoseira granulata* | | | | | | | | | | | | |
| *Aulacoseira sp.* | | | | | | | 40 | | | | | |
| *Cyclotella sp.* | | | | | | | | | | | | |
| *Gyrosigma sp.* | | | | | | | | | | | | |
| *Melosira varians* | | | | | | | | | | | | |
| *Pseudostephanodiscus sp.* | | | | | | | | | | | | |
| *Stephanodiscus sp.* | | | 240 | 40 | | | | 40 | | | | |
| **Centriques autres** | 1400 | | 200 | | 580 | | | 140 | 160 | | | 200 |
| *Achnanthes sp.* | | | | | | | | | | | | |
| *Amphora sp.* | | | | | 20 | | | | | | | |
| *Asterionella sp.* | | | | | | | | | | | | |
| *Attheya sp* | | | | | | | | | | | | |
| *Bacillaria sp.* | | | | | | | | | | | | |
| *Cocconeis sp.* | | | | | | | | | | | | |
| *Craticula sp.* | | | | | | | | | | | | |
| *Cymbella sp.* | | | | | | | | | | | | |
| *Diatoma sp.* | | | | | | | | | | | | |
| *Eunotia sp.* | | | 40 | | | | | | | | | |
| *Fragilaria sp.* | 12 | 120 | | 80 | 40 | 280 | | 80 | 120 | | 40 | 40 |
| *Gomphoneis sp.* | | | | | | | | | | | | |
| *Gomphonema sp.* | | | | | | | | | | | | |
| *Gyrosygma sp* | | | | | | | | | | | | |
| *Meridion circulare* | | | | | | | | | | | | |
| *Navicula sp.* | 10 | 360 | 760 | 120 | 160 | 40 | | | 240 | 40 | 40 | |
| *Nitzschia sp.* | | | | | | | | | | | | |
| *Pinnularia sp.* | | | | | | | | | | | | |
| *Pleurosigma sp.* | 4 | | 80 | | | | | | | | | |
| *Urosolenia sp* | | | | | | | | | | | | |
| *Surirella sp.* | | | | | | | | | | | | |
| *Tabellaria sp.* | | | | | | | | | | | | |
| **Pennées autres** | | 80 | 200 | 40 | 300 | 200 | | 160 | 120 | | | |
| **CHRYSOPHYCEES** | | | | | | | | | | | | |
| *Dinobryon sp.* | | | | | | | | | | | | |
| *Kephyrion sp.* | | | | | | | | | | | | |
| *Mallomonas sp.* | | | | | | | | | | | | |
| *Synura sp.* | | | | | | | | | | | | |
| *Uroglena sp.* | | | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **XANTHOPHYCEES** | | | | | | | | | | | | |
| *Centritractus sp* | | | | | | | | | | | | |
| *Goniochloris sp.* | | | | | | | | | | | | |
| *Ophiocytium sp* | | | | | | | | | | | | |
| *Pseudostaurastrum sp.* | | | | | | | | | | | | |
| *Tetraedriella sp* | | | | | | | | | | | | |
| *Tribonema sp.* | | | | | | | | | | | | |
| **Autres** | | | | | | | | | | | | |
| **DINOPHYCEES** | | | | | | | | | | | | |
| *Ceratium sp.* | | | | | | | | | | | | |
| *Gymnodinium sp.* | | | | | | | | | | | | |
| *Peridinium sp.* | | | | | | 360 | 60 | | | 40 | 160 | |
| Autres | | | | | | | | | | | | |
| **CRYPTOPHYCEES** | | | | | | | | | | | | |
| *Cryptomonas sp.* | | 240 | | | | 80 | | | | 200 | 8000 | 40 |
| Autres | | | | | | | | | | | | |
| **EUGLENOPHYCEES** | | | | | | | | | | | | |
| *Euglena sp.* | | | | | | | | | | | | |
| *Lepocinclis sp* | | | | | | | | | | | | |
| *Phacus sp.* | | | | | | | | | | | | |
| *Strombomonas sp.* | | | | | | | | | | | | |
| *Trachelomonas sp.* | | | | | | | | 20 | | | | |
| Autres | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Température de l'air en °C** | 12 | 13,3 | 22,5 | 18,2 | 15,6 | 26,4 | 17,4 | 19,1 | 20,8 | 16,8 | 15,6 | 9,7 |
| **Température de l'eau en °C** | 16 | 16,2 | 24 | 22,2 | 21,7 | 25,5 | 22,7 | 19,4 | 20,5 | 19,6 | 15,6 | 7,2 |
| **pH** | 8,4 | 8,3 | 7,5 | 7,7 | 8 | 8,2 | 8,4 | 8,1 | 8,3 | 8 | 8,6 | 8,8 |
| **Disque de Secchi (m)** | >0,4 | >0,5 | 0,4 | 0,3 | >0,5 | 0,5 | 0,5 | 0,4 | 0,5 | 0,6 | 0,5 | 0,4 |
| | | | | | | | | | | | | |
| Validation: | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | PM.DREAN | M.GIBIER | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO |
| Date: | 05/05/2021 | 18/05/2021 | 10/06/2021 | 22/06/2021 | 05/07/2021 | 20/07/2021 | 03/08/2021 | 31/08/2021 | 15/09/2021 | 28/09/2021 | 12/10/2021 | 23/11/2021 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Résultat de l'observation du prélèvement de l' efflorescence: | | | | | | | | | | | | |
| Genre dominant: | | | | | | | | | | | | |

| Kermélo<br>Base nautique | 21 E 3589<br>04/05/2021 | 21 E 3967<br>17/05/2021 | 21 E 4831<br>09/06/2021 | 21 E 5297<br>21/06/2021 | 21 E 5817<br>05/07/2021 | 21 E 6243<br>19/07/2021 | 21 E 6631<br>02/08/2021 | 21 E 7468<br>30/08/2021 | 21 E 8019<br>14/09/2021 | 21 E 8479<br>27/09/2021 | 21 E 9159<br>11/10/2021 | 21 E 10512<br>22/11/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorophylle a ( µg/l) | | | | | | | | | | | | |
| Fluorescence Phycocyanine (µg/l) | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **CYANOTOXINES** | | | | | | | | | | | | |
| Microcystines LR (µg/l) | | | | | | | | | | | | |
| Microcystines YR (µg/l) | | | | | | | | | | | | |
| Microcystines RR (µg/l) | | | | | | | | | | | | |
| Microcystine LF (µg/L) | | | | | | | | | | | | |
| Microcystine LW (µg/L) | | | | | | | | | | | | |
| Microcystine LY (µg/L) | | | | | | | | | | | | |
| Microcystine LA (µg/L) | | | | | | | | | | | | |
| Microcystines LR desmethyl (µg/l) | | | | | | | | | | | | |
| Microcystines RR desmethyl (µg/l) | | | | | | | | | | | | |
| Anatoxine A (µg/L) | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Nbre de cyanobactéries par mL | 480 | 960 | 4 440 | 30 320 | 2 680 | 1 520 | 3 080 | 1 780 | 200 | 480 | 400 | 0 |
| Autres algues par mL | 6 380 | 1 920 | 1 260 | 2 040 | 1 000 | 240 | 1 320 | 440 | 1 660 | 120 | 440 | 4 480 |
| Nbre total de cellules par mL | 6 860 | 2 880 | 5 700 | 32 360 | 3 680 | 1 760 | 4 400 | 2 220 | 1 860 | 600 | 840 | 4 480 |
| | | | | | | | | | | | | |
| **Répartition en %** | | | | | | | | | | | | |
| CHLOROPHYCEES | 0,6 | 22,2 | 5,6 | 5,3 | 14,1 | 0,0 | 23,6 | 10,8 | 0,0 | 0,0 | 0,0 | 0,0 |
| ZYGOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| DIATOMOPHYCEES | 91,8 | 37,5 | 16,5 | 1,0 | 13,0 | 13,6 | 6,4 | 7,2 | 89,2 | 0,0 | 47,6 | 100,0 |
| CHRYSOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| DINOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 20,0 | 0,0 | 0,0 |
| CRYPTOPHYCEES | 0,6 | 6,9 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| XANTOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| EUGLENOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 1,8 | 0,0 | 0,0 | 4,8 | 0,0 |
| **CYANOBACTERIES** | 7,0 | 33,3 | 77,9 | 93,7 | 72,8 | 86,4 | 70,0 | 80,2 | 10,8 | 80,0 | 47,6 | 0,0 |
| **total en %** | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| | | | | | | | | | | | | |
| **Nbre de cellules/mL** | | | | | | | | | | | | |
| **CYANOBACTERIES** | | | | | | | | | | | | |
| *Anabaena circinalis (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena crassa (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena flos aquae (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena heterospora (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena mendotae (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena planctonica (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena spiroides (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena viguieri (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena sp. ((Dolichospermum)* | | | | | | 120 | | | | | | |
| *Aphanizomenon aphanizomenoides* | | | | | | | | | | | | |
| *Aphanizomenon flos aquae* | | | | | | | | | | | | |
| *Aphanizomenon gracile* | | | | | | | | | | | | |
| *Aphanizomenon issatschenkoi (Cuspidothrix)* | | | | | | | | | | | | |
| *Aphanizomenon sp.* | | | | | | | | | | | | |
| *Aphanocapsa sp.* | | | | | | | | | | | | |
| *Aphanothece sp.* | | | 600 | | | | | | | | | |
| *Calothrix sp* | | | | | | | | | | | | |
| *Chroococcus sp.* | | | | 6 700 | 1 400 | 1 400 | 600 | 480 | 200 | 480 | 240 | |
| *Coelomoron sp.* | | | | 1 300 | 640 | | | | | | | |
| *Coelosphaerium sp.* | | | | | | | | | | | | |
| *Cyanodictyon sp* | | | | 7600 | | | | | | | | |
| *Cyanogranis sp* | | | | | | | | | | | | |
| *Cyanonephron sp.* | | | | | | | | | | | | |
| *Cylindrospermopsis sp.* | | | | | | | | | | | | |
| *Cylindrospermum sp.* | | | | | | | | | | | | |
| *Geitlerinema sp* | | | | | | | | | | | | |
| *Gloeotrichia sp* | | | | | | | | | | | | |
| *Gomphosphaeria sp* | | | | | | | | | | | | |
| *Komvophoron sp.* | | | | | | | | | | | | |
| *Lemmermaniella sp.* | | | | | | | | | | | | |
| *Leptolyngbya sp.* | | | | | | | | | | | | |
| *Limnothrix redekei* | | | | | | | | | | | | |
| *Limnothrix sp* | 480 | 320 | 140 | 720 | | | | 1 300 | | | 160 | |
| *Lyngbya sp.* | | | | | | | | | | | | |
| *Merismopedia glauca* | | | | | | | | | | | | |
| *Merismopedia tenuissima* | | | | | | | | | | | | |
| *Merismopedia sp.* | | 640 | 3 700 | 14 000 | 640 | | 2 480 | | | | | |
| *Microcystis aeruginosa* | | | | | | | | | | | | |
| *Microcystis botrys* | | | | | | | | | | | | |
| *Microcystis flos aquae* | | | | | | | | | | | | |
| *Microcystis viridis* | | | | | | | | | | | | |
| *Microcystis wesenbergii* | | | | | | | | | | | | |
| *Microcystis sp.* | | | | | | | | | | | | |
| *Nostoc sp* | | | | | | | | | | | | |
| *Oscillatoria limosa* | | | | | | | | | | | | |
| *Oscillatoria princeps* | | | | | | | | | | | | |
| *Oscillatoria sp.* | | | | | | | | | | | | |
| *Pannus sp* | | | | | | | | | | | | |
| *Phormidium sp.* | | | | | | | | | | | | |
| *Planktolyngbia sp.* | | | | | | | | | | | | |
| *Planktothrix agardhii* | | | | | | | | | | | | |
| *Planktothrix sp.* | | | | | | | | | | | | |
| *Planktothrix isothrix* | | | | | | | | | | | | |
| *Pseudanabaena catenata* | | | | | | | | | | | | |
| *Pseudanabaena limnetica* | | | | | | | | | | | | |
| *Pseudanabaena mucicola* | | | | | | | | | | | | |
| *Pseudanabaena sp.* | | | | | | | | | | | | |
| *Radiocystis sp.* | | | | | | | | | | | | |
| *Rhabdoderma sp.* | | | | | | | | | | | | |
| *Rhaphidiopsis sp.* | | | | | | | | | | | | |
| *Rivularia sp* | | | | | | | | | | | | |
| *Romeria sp.* | | | | | | | | | | | | |
| *Snowella sp.* | | | | | | | | | | | | |
| *Spirulina sp.* | | | | | | | | | | | | |
| *Synechococcus sp.* | | | | | | | | | | | | |
| *Woronichinia sp.* | | | | | | | | | | | | |
| Autres cyanobactéries picoplanctoniques | | | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **CHLOROPHYCEES** | | | | | | | | | | | | |
| *Actinastrum sp.* | | | | | | | | | | | | |
| *Acutodesmus sp* | | | | | | | | | | | | |
| *Ankistrodesmus falcatus* | | | | | | | | | | | | |
| *Ankyra sp.* | | | | | | | | | | | | |
| *Botryococcus braunii* | | | | | | | | | | | | |
| *Chlamydomonas sp.* | | | | | | | | | | | | |
| *Chlorella sp.* | | | | | | | | | | | | |
| *Chlorococcum sp.* | | | | | | | | | | | | |
| *Closteriopsis sp.* | | | | | | | | | | | | |
| *Coelastrum sp.* | | | | | | | | | | | | |
| *Coronastrum sp* | | | | | | | | | | | | |
| *Crucigenia sp.* | | | | | | | 640 | | | | | |
| *Crucigeniella sp.* | | | | | | | | | | | | |
| *Desmodesmus sp* | | | | | | | | | | | | |
| *Diacanthos sp* | | | | | | | | | | | | |
| *Dichotomococcus sp* | | | | | | | | | | | | |
| *Dictyosphaerium sp.* | | | | | | | | | | | | |
| *Didymogenes sp* | | | | | | | | | | | | |
| *Elakatothrix sp* | | | | | | | | | | | | |
| *Eudorina sp.* | | | | | | | | | | | | |
| *Franceia sp.* | | | | | | | | | | | | |
| *Golenkinia sp* | | | | | | | | | | | | |
| *Golenkiniopsis sp* | | | | | | | | | | | | |
| *Gonium sp.* | | | | | | | | | | | | |
| *Haematococcus sp* | | | | | | | | | | | | |
| *Kirchneriella sp.* | | | | | | | | | | | | |
| *Lagerheimia sp.* | | | | | | | | | | | | |
| *Micractinium sp.* | | | | | | | | | | | | |
| *Micractinium bornhemiense* | | | | | | | | | | | | |
| *Microspora sp* | | | | | | | | | | | | |
| *Monoraphidium sp.* | 40 | 80 | | 400 | | | | | | | | |
| *Nephrocytium sp* | | | | | | | | | | | | |
| *Oedogonium sp.* | | | | | | | | | | | | |
| *Oocystis sp.* | | | | | | | | | | | | |
| *Pandorina sp.* | | | | | | | | | | | | |
| *Paulschulzia sp* | | | | | | | | | | | | |
| *Pediastrum sp.* | | | | | | | | | | | | |
| *Planctonema sp* | | | | | | | | | | | | |
| *Polyedriopsis sp* | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Pteromonas sp* | | | | | | | | | | | | |
| *Quadrigula sp.* | | | | | | | | | | | | |
| *Radiococcus sp.* | | | | | | | | | | | | |
| *Rhizoclonium sp* | | | | | | | | | | | | |
| *Scenedesmus sp.* | | 480 | 280 | 1200 | 480 | | 280 | 80 | | | | |
| *Schroederia sp.* | | | | | | | | | | | | |
| *Selenastrum sp.* | | | | | | | 120 | | | | | |
| *Sphaerellopsis sp* | | | | | | | | | | | | |
| *Sphaerocystis sp.* | | | | | | | | | | | | |
| *Tetraedron sp.* | | | 40 | | | | | | | | | |
| *Tetrastrum sp.* | | | | | | | | | | | | |
| *Treubaria sp.* | | | | | | | | | | | | |
| *Trochiscia sp* | | | | | | | | | | | | |
| *Volvox sp.* | | | | | | | | | | | | |
| *Ulothrix sp* | | | | | | | | | | | | |
| **Autres** | | 80 | | 120 | 40 | | | 160 | | | | |
| **ZYGOPHYCEES** | | | | | | | | | | | | |
| *Closterium sp.* | | | | | | | | | | | | |
| *Cosmarium sp.* | | | | | | | | | | | | |
| *Euastrum sp* | | | | | | | | | | | | |
| *Mougeotia sp* | | | | | | | | | | | | |
| *Spirogyra sp.* | | | | | | | | | | | | |
| *Spondylosium sp.* | | | | | | | | | | | | |
| *Staurastrum sp.* | | | | | | | | | | | | |
| *Staurodesmus sp.* | | | | | | | | | | | | |
| *Zygnema sp* | | | | | | | | | | | | |
| **Autres** | | | | | | | | | | | | |
| **DIATOMEES** | | | | | | | | | | | | |
| *Aulacoseira granulata* | | | | | | | | | | | | |
| *Aulacoseira sp.* | 440 | | | | | | | | | | | |
| *Cyclotella sp.* | | | | | | | | | | | | |
| *Gyrosigma sp.* | | | | | | | | | | | | |
| *Melosira varians* | | | | | | | | | | | | |
| *Pseudostephanodiscus sp.* | | | | | | | | | | | | |
| *Stephanodiscus sp.* | 40 | | 140 | 40 | | 40 | 280 | | | | | 40 |
| **Centriques autres** | 5700 | 1000 | 720 | | 400 | 40 | | | 1600 | | 400 | 4400 |
| *Achnanthes sp.* | | | | | | | | | | | | |
| *Amphora sp.* | | | | | | | | | | | | |
| *Asterionella sp.* | | 40 | | | | | | | | | | |
| *Attheya sp* | | | | | | | | | | | | |
| *Bacillaria sp.* | | | | | | | | 40 | | | | |
| *Cocconeis sp.* | | | | | | | | | | | | |
| *Craticula sp.* | | | | | | | | | | | | |
| *Cymbella sp.* | | | | | | | | | | | | 40 |
| *Diatoma sp.* | | | | | | | | | | | | |
| *Eunotia sp.* | | | | | | | | | | | | |
| *Fragilaria sp.* | 40 | 40 | 40 | 280 | 40 | 120 | | | | | | |
| *Gomphoneis sp.* | | | | | | | | | | | | |
| *Gomphonema sp.* | | | | | | | | | | | | |
| *Gyrosygma sp* | | | | | | | | | 20 | | | |
| *Meridion circulare* | | | | | | | | | | | | |
| *Navicula sp.* | 80 | | 20 | | 40 | | | 40 | 20 | | | |
| *Nitzschia sp.* | | | | | | | | | | | | |
| *Pinnularia sp.* | | | | | | | | | | | | |
| *Pleurosigma sp.* | | | | | | | | | 20 | | | |
| *Urosolenia sp* | | | | | | | | | | | | |
| *Surirella sp.* | | | | | | | | | | | | |
| *Tabellaria sp.* | | | | | | | | | | | | |
| **Pennées autres** | | | 20 | | | 40 | | 80 | | | | |
| **CHRYSOPHYCEES** | | | | | | | | | | | | |
| *Dinobryon sp.* | | | | | | | | | | | | |
| *Kephyrion sp.* | | | | | | | | | | | | |
| *Mallomonas sp.* | | | | | | | | | | | | |
| *Synura sp.* | | | | | | | | | | | | |
| *Uroglena sp.* | | | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **XANTHOPHYCEES** | | | | | | | | | | | | |
| *Centritractus sp* | | | | | | | | | | | | |
| *Goniochloris sp.* | | | | | | | | | | | | |
| *Ophiocytium sp* | | | | | | | | | | | | |
| *Pseudostaurastrum sp.* | | | | | | | | | | | | |
| *Tetraedriella sp* | | | | | | | | | | | | |
| *Tribonema sp.* | | | | | | | | | | | | |
| **Autres** | | | | | | | | | | | | |
| **DINOPHYCEES** | | | | | | | | | | | | |
| *Ceratium sp.* | | | | | | | | | | | | |
| *Gymnodinium sp.* | | | | | | | | | | | | |
| *Peridinium sp.* | | | | | | | | | | 120 | | |
| Autres | | | | | | | | | | | | |
| **CRYPTOPHYCEES** | | | | | | | | | | | | |
| *Cryptomonas sp.* | 40 | 200 | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **EUGLENOPHYCEES** | | | | | | | | | | | | |
| *Euglena sp.* | | | | | | | | | | | | |
| *Lepocinclis sp* | | | | | | | | | | | | |
| *Phacus sp.* | | | | | | | | 40 | | | 40 | |
| *Strombomonas sp.* | | | | | | | | | | | | |
| *Trachelomonas sp.* | | | | | | | | | | | | |
| Autres | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Température de l'air en °C** | 11,6 | 14 | 19,7 | 17,7 | 17,1 | 25,6 | 19,5 | 17,1 | 20,5 | 16 | 14,6 | 9,4 |
| **Température de l'eau en °C** | 14,9 | 16,1 | 22 | 20,5 | 21,1 | 25,6 | 22,6 | 20,4 | 21,7 | 19 | 18,9 | 8,2 |
| **pH** | 8,6 | 8,3 | 8,1 | 7,9 | 8,3 | 8,4 | 8,6 | 8,3 | 8,2 | 8,2 | 8,4 | 8,7 |
| **Disque de Secchi (m)** | >1 | >1 | >1 | 0,3 | >1 | 0,7 | >1 | >1 | >1 | >1 | >1 | 0,9 |
| | | | | | | | | | | | | |
| Validation: | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | PM.DREAN | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO |
| Date: | 05/05/2021 | 18/05/2021 | 09/06/2021 | 21/06/2021 | 06/07/2021 | 19/07/2021 | 03/08/2021 | 31/08/2021 | 15/09/2021 | 28/09/2021 | 12/10/2021 | 23/11/2021 |
| | | | | | | | | | | | | |
| Résultat de l'observation du prélèvement de l' efflorescence: | | | | | | | | | | | | |
| Genre dominant: | | | | | | | | | | | | |

| Kermélo<br>Aval déversoir St Mathurin | 21 E 3590<br>04/05/2021 | 21 E 3968<br>17/05/2021 | 21 E 4832<br>09/06/2021 | 21 E 5298<br>21/06/2021 | 21 E 5818<br>05/07/2021 | 21 E 6244<br>19/07/2021 | 21 E 6632<br>02/08/2021 | 21 E 7469<br>30/08/2021 | 21 E 8020<br>14/09/2021 | 21 E 8480<br>27/09/2021 | 21 E 9160<br>11/10/2021 | 21 E 10513<br>22/11/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorophylle a ( µg/l) | | | | | | | | | | | | |
| Fluorescence Phycocyanine (µg/l) | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **CYANOTOXINES** | | | | | | | | | | | | |
| Microcystines LR (µg/l) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Microcystines YR (µg/l) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Microcystines RR (µg/l) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Microcystine LF (µg/L) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Microcystine LW (µg/L) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Microcystine LY (µg/L) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Microcystine LA (µg/L) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Microcystines LR desmethyl (µg/l) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Microcystines RR desmethyl (µg/l) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| Anatoxine A (µg/L) | | | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | | | |
| | | | | | | | | | | | | |
| Nbre de cyanobactéries par mL | 1 000 | 16 900 | 28 780 | 316 400 | 1 081 800 | 752 300 | 649 600 | 130 200 | 25 000 | 25 800 | 98 000 | 2 500 |
| Autres algues par mL | 6 000 | 3 080 | 3 600 | 12 800 | 15 120 | 11 700 | 1 544 | 2 760 | 2 520 | 1 760 | 9 960 | 4 060 |
| Nbre total de cellules par mL | 7 000 | 19 980 | 32 380 | 329 200 | 1 096 920 | 764 000 | 651 144 | 132 960 | 27 520 | 27 560 | 107 960 | 6 560 |
| | | | | | | | | | | | | |
| **Répartition en %** | | | | | | | | | | | | |
| CHLOROPHYCEES | 5,1 | 12,0 | 7,9 | 3,3 | 1,2 | 1,4 | 0,2 | 1,5 | 3,5 | 5,5 | 7,6 | 37,5 |
| ZYGOPHYCEES | 0,0 | 0,0 | 0,4 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,1 | 0,0 | 0,0 | 1,2 |
| DIATOMOPHYCEES | 79,4 | 1,4 | 2,8 | 0,6 | 0,1 | 0,1 | 0,0 | 0,6 | 5,5 | 0,9 | 1,4 | 23,2 |
| CHRYSOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| DINOPHYCEES | 0,6 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| CRYPTOPHYCEES | 0,6 | 2,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,1 | 0,0 |
| XANTOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| EUGLENOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,1 | 0,0 |
| CYANOBACTERIES | 14,3 | 84,6 | 88,9 | 96,1 | 98,6 | 98,5 | 99,8 | 97,9 | 90,8 | 93,6 | 90,8 | 38,1 |
| **total en %** | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| | | | | | | | | | | | | |
| **Nbre de cellules/mL** | | | | | | | | | | | | |
| **CYANOBACTERIES** | | | | | | | | | | | | |
| *Anabaena circinalis (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena crassa (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena flos aquae (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena heterospora (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena mendotae (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena planctonica (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena spiroides (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena viguieri (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena sp. ((Dolichospermum)* | | | | | | 29 000 | | | | | | |
| *Aphanizomenon aphanizomenoides* | | | | | | | | | | | | |
| *Aphanizomenon flos aquae* | | | | | | | | | | | | |
| *Aphanizomenon gracile* | | | | | | | | | | | | |
| *Aphanizomenon issatschenkoi (Cuspidothrix)* | | | | | | | | | | | | |
| *Aphanizomenon sp.* | | | | | | | | | | | | |
| *Aphanocapsa sp.* | | | | | | 1 200 | 17 200 | 9 600 | | | | |
| *Aphanothece sp.* | | 800 | | | | | | 14 000 | | 2 000 | | |
| *Calothrix sp* | | | | | | | | | | | | |
| *Chroococcus sp.* | 80 | | 880 | 80 000 | 450 000 | 440 000 | 162 080 | 85 000 | 5 800 | 9 600 | 32 000 | |
| *Coelomoron sp.* | | | 1 900 | 1 900 | 3 200 | 1 900 | 12 000 | 2 100 | | | | |
| *Coelosphaerium sp.* | | | | | | | | | | | | |
| *Cyanodictyon sp* | | 600 | 2200 | 17000 | 120000 | 1200 | 12560 | | 5200 | 3600 | 11000 | 1200 |
| *Cyanogranis sp* | | | 2000 | | 1600 | | | 4400 | | | | |
| *Cyanonephron sp.* | | | | | | | | | | | | |
| *Cylindrospermopsis sp.* | | | | | | | | | | | | |
| *Cylindrospermum sp.* | | | | | | | | | | | | |
| *Geitlerinema sp* | | | | | | | | | | | | |
| *Gloeotrichia sp* | | | | | | | | | | | | |
| *Gomphosphaeria sp* | | | | | | | | | | | | |
| *Komvophoron sp.* | | | | | | | | | | | | |
| *Lemmermaniella sp.* | | | | | | | | | | | | |
| *Leptolyngbya sp.* | | | | | | | | | | | | |
| *Limnothrix redekei* | | | | | | | | | | | | |
| *Limnothrix sp* | 920 | 1 100 | 2 800 | 7 500 | 17 000 | 39 000 | 92 480 | 10 000 | 9 800 | 1 600 | 28 000 | |
| *Lyngbya sp.* | | | | | | | | | | | | |
| *Merismopedia glauca* | | | | | | | | | | | | |
| *Merismopedia tenuissima* | | | | | | | | | | | | |
| *Merismopedia sp.* | | 9 800 | 19 000 | 210 000 | 490 000 | 240 000 | 353 280 | 5 100 | 4 200 | 9 000 | 27 000 | 1 300 |
| *Microcystis aeruginosa* | | | | | | | | | | | | |
| *Microcystis botrys* | | | | | | | | | | | | |
| *Microcystis flos aquae* | | | | | | | | | | | | |
| *Microcystis viridis* | | | | | | | | | | | | |
| *Microcystis wesenbergii* | | | | | | | | | | | | |
| *Microcystis sp.* | | | | | | | | | | | | |
| *Nostoc sp* | | | | | | | | | | | | |
| *Oscillatoria limosa* | | | | | | | | | | | | |
| *Oscillatoria princeps* | | | | | | | | | | | | |
| *Oscillatoria sp.* | | | | | | | | | | | | |
| *Pannus sp* | | | | | | | | | | | | |
| *Phormidium sp.* | | | | | | | | | | | | |
| *Planktolyngbia sp.* | | | | | | | | | | | | |
| *Planktothrix agardhii* | | | | | | | | | | | | |
| *Planktothrix sp.* | | | | | | | | | | | | |
| *Planktothrix isothrix* | | | | | | | | | | | | |
| *Pseudanabaena catenata* | | | | | | | | | | | | |
| *Pseudanabaena limnetica* | | | | | | | | | | | | |
| *Pseudanabaena mucicola* | | | | | | | | | | | | |
| *Pseudanabaena sp.* | | 200 | | | | | | | | | | |
| *Radiocystis sp.* | | | | | | | | | | | | |
| *Rhabdoderma sp.* | | | | | | | | | | | | |
| *Rhaphidiopsis sp.* | | | | | | | | | | | | |
| *Rivularia sp* | | | | | | | | | | | | |
| *Romeria sp.* | | | | | | | | | | | | |
| *Snowella sp.* | | | | | | | | | | | | |
| *Spirulina sp.* | | | | | | | | | | | | |
| *Synechococcus sp.* | | | | | | | | | | | | |
| *Woronichinia sp.* | | | | | | | | | | | | |
| Autres cyanos (famille oscillatoriales) | | 4 400 | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **CHLOROPHYCEES** | | | | | | | | | | | | |
| *Actinastrum sp.* | | | | | | | | | 120 | | | |
| *Acutodesmus sp* | | | | | | | | | | | | |
| *Ankistrodesmus falcatus* | | | | | | | | | | | | |
| *Ankyra sp.* | | | | | | | | | | | | |
| *Botryococcus braunii* | | | | | | | | | | | | |
| *Chlamydomonas sp.* | | | | | | | | | | | | |
| *Chlorella sp.* | | | | | | | | | | | | |
| *Chlorococcum sp.* | | | | | | | | | | | | |
| *Closteriopsis sp.* | | | | | | | | | | | | |
| *Coelastrum sp.* | | | | | | | 40 | | | | | |
| *Coronastrum sp* | | | | | | | | | | | | |
| *Crucigenia sp.* | | | | | 160 | | | | | | 320 | 320 |
| *Crucigeniella sp.* | | | | | | | | | | | | |
| *Desmodesmus sp* | | | | | | | | | | | | |
| *Diacanthos sp* | | | | | | | | | | | | |
| *Dichotomococcus sp* | | | | | | | | | | | | |
| *Dictyosphaerium sp.* | | | | 800 | | | | | | | 800 | |
| *Didymogenes sp* | | | | | | | | | | | | |
| *Elakatothrix sp* | | | | | | | | | | | | |
| *Eudorina sp.* | | | | | | | | | | | | |
| *Franceia sp.* | | | | | | | | | | | | |
| *Golenkinia sp* | | | | | | | | | | | | |
| *Golenkiniopsis sp* | | | | | | | | | | | | |
| *Gonium sp.* | | | | | | | | | | | | |
| *Haematococcus sp* | | | | | | | | | | | | |
| *Kirchneriella sp.* | | | | 40 | 200 | | 24 | 40 | | 80 | 120 | |
| *Lagerheimia sp.* | | | | | | | | | | | | |
| *Micractinium sp.* | | | | | | | | | | | | |
| *Micractinium bornhemiense* | | | | | | | | | | | | |
| *Microspora sp* | | | | | | | | | | | | |
| *Monoraphidium sp.* | 120 | 600 | 120 | 2900 | 4000 | 4000 | 40 | 80 | 80 | 200 | 600 | |
| *Nephrocytium sp* | | | | | | | | | | | | |
| *Oedogonium sp.* | | | | | | | | | | | | |
| *Oocystis sp.* | | | | | | | | | | | | |
| *Pandorina sp.* | | | | | | | | | | | | |
| *Paulschulzia sp* | | | | | | | | | | | | |
| *Pediastrum sp.* | | | 40 | 160 | 160 | | 16 | | | | | 640 |
| *Planctonema sp* | | | | | | | | | | | | |
| *Polyedriopsis sp* | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Pteromonas sp* | | | | | | | | | | | | |
| *Quadrigula sp.* | | | | | | | | | | | | |
| *Radiococcus sp.* | | | | | | | | | | | | |
| *Rhizoclonium sp* | | | | | | | | | | | | |
| *Scenedesmus sp.* | 240 | 1600 | 2400 | 6400 | 8800 | 6400 | 40 | 1800 | 400 | 720 | 5800 | 1500 |
| *Schroederia sp.* | | | | | | | | | | | | |
| *Selenastrum sp.* | | | | | | | 60 | | | | | |
| *Sphaerellopsis sp* | | | | | | | | | | | | |
| *Sphaerocystis sp.* | | | | | | | | | | | | |
| *Tetraedron sp.* | | | | | 40 | 40 | | | 40 | | 120 | |
| *Tetrastrum sp.* | | | | | | | | | | | | |
| *Treubaria sp.* | | | | | | | | | | | | |
| *Trochiscia sp* | | | | | | | | | | | | |
| *Volvox sp.* | | | | | | | | | | | | |
| *Ulothrix sp* | | | | | | | | | | | | |
| **Autres** | | 200 | | 600 | | | 1 200 | 80 | 320 | 520 | 400 | |
| **ZYGOPHYCEES** | | | | | | | | | | | | |
| *Closterium sp.* | | | | | | | | | | | | 80 |
| *Cosmarium sp.* | | | | | | | | | | | | |
| *Euastrum sp* | | | | | | | | | | | | |
| *Mougeotia sp* | | | | | | | | | | | | |
| *Spirogyra sp.* | | | | | | | | | | | | |
| *Spondylosium sp.* | | | | | | | | | | | | |
| *Staurastrum sp.* | | | | | | | | | | | | |
| *Staurodesmus sp.* | | | 120 | | | | | | 40 | | | |
| *Zygnema sp* | | | | | | | | | | | | |
| **Autres** | | | | | | | | | | | | |
| **DIATOMEES** | | | | | | | | | | | | |
| *Aulacoseira granulata* | | | | | | | | | | | | |
| *Aulacoseira sp.* | | | | | | | | 160 | | | 200 | 160 |
| *Cyclotella sp.* | | | | | | | | | | | | |
| *Gyrosigma sp.* | | | | | | | | | | | | |
| *Melosira varians* | | | | | | | 24 | 200 | | | | |
| *Pseudostephanodiscus sp.* | | | | | | | | | | | | |
| *Stephanodiscus sp.* | | | 240 | | | | | 40 | | 40 | 800 | 40 |
| **Centriques autres** | 5400 | | 400 | | | | | | 1200 | | | 1200 |
| *Achnanthes sp.* | | | | | | | | | | | | |
| *Amphora sp.* | | | | | | | | | | | | |
| *Asterionella sp.* | | | | | | | | | | | | |
| *Attheya sp* | | | | | | | | | | | | |
| *Bacillaria sp.* | | | | | | | | | | | | |
| *Cocconeis sp.* | | | | | | | | | | | | |
| *Craticula sp.* | | | | | | | | | | | | |
| *Cymbella sp.* | | | | | | | | | | | | |
| *Diatoma sp.* | | | | | | | | | | | | |
| *Eunotia sp.* | | | | | | | | | | | | |
| *Fragilaria sp.* | 120 | 240 | 120 | 1900 | 800 | 1100 | 28 | 280 | 320 | 80 | 400 | 80 |
| *Gomphoneis sp.* | | | | | | | | | | | | |
| *Gomphonema sp.* | | | | | | | | | | | | |
| *Gyrosygma sp* | | | | | | | | | | | | |
| *Meridion circulare* | | | | | | | | | | | | |
| *Navicula sp.* | 40 | 40 | 160 | | 200 | 40 | 32 | 80 | | 40 | 120 | |
| *Nitzschia sp.* | | | | | | | | | | | | |
| *Pinnularia sp.* | | | | | | | | | | | | |
| *Pleurosigma sp.* | | | | | 600 | | | | | 80 | 40 | 40 |
| *Urosolenia sp* | | | | | | | | | | | | |
| *Surirella sp.* | | | | | | | | | | | | |
| *Tabellaria sp.* | | | | | | | | | | | | |
| **Pennées autres** | | | | | | | | | | | | |
| **CHRYSOPHYCEES** | | | | | | | | | | | | |
| *Dinobryon sp.* | | | | | | | | | | | | |
| *Kephyrion sp.* | | | | | | | | | | | | |
| *Mallomonas sp.* | | | | | | | | | | | | |
| *Synura sp.* | | | | | | | | | | | | |
| *Uroglena sp.* | | | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **XANTHOPHYCEES** | | | | | | | | | | | | |
| *Centritractus sp* | | | | | | | | | | | | |
| *Goniochloris sp.* | | | | | | | | | | | | |
| *Ophiocytium sp* | | | | | | | | | | | | |
| *Pseudostaurastrum sp.* | | | | | | | | | | | | |
| *Tetraedriella sp* | | | | | | | | | | | | |
| *Tribonema sp.* | | | | | | | | | | | | |
| **Autres** | | | | | | | | | | | | |
| **DINOPHYCEES** | | | | | | | | | | | | |
| *Ceratium sp.* | | | | | | | | | | | | |
| *Gymnodinium sp.* | | | | | | | | | | | | |
| *Peridinium sp.* | 40 | | | | | 80 | | | | | | |
| Autres | | | | | | | | | | | | |
| **CRYPTOPHYCEES** | | | | | | | | | | | | |
| *Cryptomonas sp.* | 40 | 400 | | | | 40 | | | | | 80 | |
| Autres | | | | | | | | | | | | |
| **EUGLENOPHYCEES** | | | | | | | | | | | | |
| *Euglena sp.* | | | | | | | | | | | | |
| *Lepocinclis sp* | | | | | | | | | | | | |
| *Phacus sp.* | | | | | | | | | | | | |
| *Strombomonas sp.* | | | | | | | | | | | | |
| *Trachelomonas sp.* | | | | | 160 | | 40 | | | | 160 | |
| Autres | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Température de l'air en °C** | 12,3 | 15,3 | 21,4 | 18,8 | 16,4 | 25,7 | 21 | 17,9 | 20,8 | 15,2 | 14,4 | 8,8 |
| **Température de l'eau en °C** | 15,9 | 16,5 | 23,2 | 21,9 | 22 | 23,3 | 22,5 | 19,4 | 20,7 | 19,9 | 17,6 | 9 |
| **pH** | 8,6 | 8,4 | 8,2 | 7,8 | 8,5 | 9,2 | 8,8 | 8,3 | 8 | 8 | 8,4 | 8,7 |
| **Disque de Secchi (m)** | >1 | 0,7 | 0,6 | 0,1 | 0,2 | 0,2 | 0,2 | 0,4 | 0,3 | 0,5 | 0,5 | 0,4 |
| | | | | | | | | | | | | |
| Validation: | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | PM.DREAN | M.GIBIER | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO |
| Date: | 05/05/2021 | 18/05/2021 | 10/06/2021 | 22/06/2021 | 07/07/2021 | 20/07/2021 | 03/08/2021 | 31/08/2021 | 15/09/2021 | 28/09/2021 | 12/10/2021 | 23/11/2021 |
| | | | | | | | | | | | | |
| Résultat de l'observation du prélèvement de l' efflorescence: | | | | | | | | | | | | |
| Genre dominant: | | | | | | | | | | | | |

| Lorient St Mathurin | 21 E 3591 | 21 E 3969 | 21 E 4833 | 21 E 5299 | 21 E 5819 | 21 E 6245 | 21 E 6633 | 21 E 7470 | 21 E 8021 | 21 E 8481 | 21 E 9161 | 21 E 10514 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 04/05/2021 | 17/05/2021 | 09/06/2021 | 21/06/2021 | 05/07/2021 | 19/07/2021 | 02/08/2021 | 30/08/2021 | 14/09/2021 | 27/09/2021 | 11/10/2021 | 22/11/2021 |
| Chlorophylle a ( µg/l) | | | | | | | | | | | | |
| Fluorescence Phycocyanine (µg/l) | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **CYANOTOXINES** | | | | | | | | | | | | |
| Microcystines LR (µg/l) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Microcystines YR (µg/l) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Microcystines RR (µg/l) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Microcystine LF (µg/L) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Microcystine LW (µg/L) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Microcystine LY (µg/L) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Microcystine LA (µg/L) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Microcystines LR desmethyl (µg/l) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Microcystines RR desmethyl (µg/l) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| Anatoxine A (µg/L) | | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | |
| | | | | | | | | | | | | |
| Nbre de cyanobactéries par mL | 51 100 | 268 000 | 529 000 | 852 500 | 2 399 500 | 1 512 800 | 548 800 | 262 900 | 970 000 | 1 252 000 | 591 200 | 1 580 |
| Autres algues par mL | 5 120 | 40 440 | 28 740 | 10 480 | 33 400 | 16 360 | 22 040 | 11 720 | 37 480 | 56 500 | 40 880 | 3 420 |
| Nbre total de cellules par mL | 56 220 | 308 440 | 557 740 | 862 980 | 2 432 900 | 1 529 160 | 570 840 | 274 620 | 1 007 480 | 1 308 500 | 632 080 | 5 000 |
| | | | | | | | | | | | | |
| **Répartition en %** | | | | | | | | | | | | |
| CHLOROPHYCEES | 5,4 | 12,3 | 4,1 | 1,2 | 1,1 | 0,8 | 2,2 | 3,4 | 2,7 | 3,4 | 4,2 | 35,6 |
| ZYGOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 4,0 |
| DIATOMOPHYCEES | 3,1 | 0,8 | 0,8 | 0,0 | 0,3 | 0,3 | 1,5 | 0,9 | 1,0 | 0,9 | 2,0 | 11,2 |
| CHRYSOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| DINOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| CRYPTOPHYCEES | 0,5 | 0,0 | 0,3 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,3 | 16,8 |
| XANTOPHYCEES | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| EUGLENOPHYCEES | 0,1 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,1 | 0,0 | 0,0 | 0,0 | 0,0 | 0,8 |
| CYANOBACTERIES | 90,9 | 86,9 | 94,8 | 98,8 | 98,6 | 98,9 | 96,1 | 95,7 | 96,3 | 95,7 | 93,5 | 31,6 |
| **total en %** | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| | | | | | | | | | | | | |
| **Nbre de cellules/mL** | | | | | | | | | | | | |
| **CYANOBACTERIES** | | | | | | | | | | | | |
| *Anabaena circinalis (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena crassa (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena flos aquae (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena heterospora (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena mendotae (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena planctonica (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena spiroides (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena viguieri (Dolichospermum)* | | | | | | | | | | | | |
| *Anabaena sp. ((Dolichospermum)* | | | | | | 35 000 | | | | 800 | | |
| *Aphanizomenon aphanizomenoides* | | | | | | | | | | | | |
| *Aphanizomenon flos aquae* | | | | | | | | | | | | |
| *Aphanizomenon gracile* | | | | | | | | | | | | |
| *Aphanizomenon issatschenkoi (Cuspidothrix)* | | | | | | | | | | | | |
| *Aphanizomenon sp.* | | | | | | | | | | | | |
| *Aphanocapsa sp.* | | | | | | | | | | | 1 200 | |
| *Aphanothece sp.* | | 1 000 | | | | | | | | | | |
| *Calothrix sp* | | | | | | | | | | | | |
| *Chroococcus sp.* | | | 20 000 | 360 000 | 1 000 000 | 1 100 000 | 198 400 | 120 000 | 420 000 | 560 000 | 130 000 | |
| *Coelomoron sp.* | | | 7 000 | 4 500 | 5 100 | 5 800 | 4 800 | 2 900 | | | | |
| *Coelosphaerium sp.* | | | | | | | | | | | | |
| *Cyanodictyon sp* | 41 000 | 16 000 | 82 000 | 120 000 | 560 000 | 6 000 | | | 190 000 | 190 000 | 110 000 | |
| *Cyanogranis sp* | | | | | 2400 | | | | | 1200 | | |
| *Cyanonephron sp.* | | | | | | | | | | | | |
| *Cylindrospermopsis sp.* | | | | | | | | | | | | |
| *Cylindrospermum sp.* | | | | | | | | | | | | |
| *Geitlerinema sp* | | | | | | | | | | | | |
| *Gloeotrichia sp* | | | | | | | | | | | | |
| *Gomphosphaeria sp* | | | | | | | | | | | | |
| *Komvophoron sp.* | | | | | | | | | | | | |
| *Lemmermaniella sp.* | | | | | | | | | | | | |
| *Leptolyngbya sp.* | | | | | | | | | | | | |
| *Limnothrix redekei* | | | | | | | | | | | | |
| *Limnothrix sp* | 8 200 | 42 000 | 140 000 | 68 000 | 46 000 | 46 000 | 64 000 | 20 000 | 190 000 | 220 000 | 110 000 | 1 100 |
| *Lyngbya sp.* | | | | | | | | | | | | |
| *Merismopedia glauca* | | | | | | | | | | | | |
| *Merismopedia tenuissima* | | | | | | | | | | | | |
| *Merismopedia sp.* | 1 900 | 29 000 | 280 000 | 300 000 | 740 000 | 320 000 | 281 600 | 120 000 | 170 000 | 280 000 | 240 000 | |
| *Microcystis aeruginosa* | | | | | | | | | | | | |
| *Microcystis botrys* | | | | | | | | | | | | |
| *Microcystis flos aquae* | | | | | | | | | | | | |
| *Microcystis viridis* | | | | | | | | | | | | |
| *Microcystis wesenbergii* | | | | | | | | | | | | |
| *Microcystis sp.* | | | | | | | | | | | | |
| *Nostoc sp* | | | | | | | | | | | | |
| *Oscillatoria limosa* | | | | | | | | | | | | |
| *Oscillatoria princeps* | | | | | | | | | | | | |
| *Oscillatoria sp.* | | | | | 46 000 | | | | | | | 480 |
| *Pannus sp* | | | | | | | | | | | | |
| *Phormidium sp.* | | | | | | | | | | | | |
| *Planktolyngbia sp.* | | | | | | | | | | | | |
| *Planktothrix agardhii* | | | | | | | | | | | | |
| *Planktothrix sp.* | | | | | | | | | | | | |
| *Planktothrix isothrix* | | | | | | | | | | | | |
| *Pseudanabaena catenata* | | | | | | | | | | | | |
| *Pseudanabaena limnetica* | | | | | | | | | | | | |
| *Pseudanabaena mucicola* | | | | | | | | | | | | |
| *Pseudanabaena sp.* | | | | | | | | | | | | |
| *Radiocystis sp.* | | | | | | | | | | | | |
| *Rhabdoderma sp.* | | | | | | | | | | | | |
| *Rhaphidiopsis sp.* | | | | | | | | | | | | |
| *Rivularia sp* | | | | | | | | | | | | |
| *Romeria sp.* | | | | | | | | | | | | |
| *Snowella sp.* | | | | | | | | | | | | |
| *Spirulina sp.* | | | | | | | | | | | | |
| *Synechococcus sp.* | | | | | | | | | | | | |
| *Woronichinia sp.* | | | | | | | | | | | | |
| Autres cyanos (famille oscillatoriales) | | 180 000 | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **CHLOROPHYCEES** | | | | | | | | | | | | |
| *Actinastrum sp.* | | | | | | | | | 440 | | | |
| *Acutodesmus sp* | | | | | | | | | | | | |
| *Ankistrodesmus falcatus* | | | | | | | | | | | | |
| *Ankyra sp.* | | | | | | | | | | | | |
| *Botryococcus braunii* | | | | | | | | | | | | |
| *Chlamydomonas sp.* | | | | | | | | | | | | |
| *Chlorella sp.* | | | | | | | | | | | | |
| *Chlorococcum sp.* | | | | | | | | | | | | |
| *Closteriopsis sp.* | | | | | | | | | | | | |
| *Coelastrum sp.* | | | 320 | | | | | | | | 640 | 320 |
| *Coronastrum sp* | | | | | | | | | | | | |
| *Crucigenia sp.* | | 480 | 160 | | | | | | 480 | | 320 | 40 |
| *Crucigeniella sp.* | | | | | | | | | | | | |
| *Desmodesmus sp* | | | | | | | | | | | | |
| *Diacanthos sp* | | | | | | | | | | | | |
| *Dichotomococcus sp* | | | | | | | | | | | | |
| *Dictyosphaerium sp.* | | | | | | | | | | | | |
| *Didymogenes sp* | | | | | | | | | | | | |
| *Elakatothrix sp* | | | | | | | | | | | | |
| *Eudorina sp.* | | | | | | | | | | | | |
| *Franceia sp.* | | | | | | | | | | | | |
| *Golenkinia sp* | | | | | | | | | | | | |
| *Golenkiniopsis sp* | | | | | | | | | | | | |
| *Gonium sp.* | | | | | | | | | | | | |
| *Haematococcus sp* | | | | | | | | | | | | |
| *Kirchneriella sp.* | | 40 | 120 | 40 | 2000 | | | 120 | 200 | | 2000 | 80 |
| *Lagerheimia sp.* | | | | | | | | | | | | |
| *Micractinium sp.* | | | | | | | | | | | | |
| *Micractinium bornhemiense* | | | | | | | | | | | | |
| *Microspora sp* | | | | | | | | | | | | |
| *Monoraphidium sp.* | 1600 | 11000 | 1700 | 1500 | 6000 | 4000 | | | 8000 | 8000 | 4000 | |
| *Nephrocytium sp* | | | | | | | | | | | | |
| *Oedogonium sp.* | | | | | | | | | | | | |
| *Oocystis sp.* | | | | | | | | | 160 | | | |
| *Pandorina sp.* | | | | | | | | | | | | |
| *Paulschulzia sp* | | | | | | | | | | | | |
| *Pediastrum sp.* | | 320 | 320 | 760 | 320 | 160 | | | 1600 | 3200 | 640 | |
| *Planctonema sp* | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Polyedriopsis sp* | | | | | | | | | | | | |
| *Pteromonas sp* | | | | | | | | | | | | |
| *Quadrigula sp.* | | | | | | | | | | | | |
| *Radiococcus sp.* | | | | | | | | | | | | |
| *Rhizoclonium sp* | | | | | | | | | | | | |
| *Scenedesmus sp.* | 1000 | 26 000 | 20 000 | 8 000 | 18000 | 8000 | 11520 | 8600 | 16000 | 30000 | 16000 | 1300 |
| *Schroederia sp.* | | | | | | | | | | | | |
| *Selenastrum sp.* | | | | | | | 240 | | | | | |
| *Sphaerellopsis sp* | | | | | | | | | | | | |
| *Sphaerocystis sp.* | | | | | | | | | | | | |
| *Tetraedron sp.* | 120 | | 120 | 40 | 80 | 120 | | | 200 | 200 | 2000 | 40 |
| *Tetrastrum sp.* | | | | | | | | | | | | |
| *Treubaria sp.* | | | | | | | | | | | | |
| *Trochiscia sp* | | | | | | | | | | | | |
| *Volvox sp.* | | | | | | | | | | | | |
| *Ulothrix sp* | | | | | | | | | | | | |
| **Autres** | 320 | 200 | 200 | | | | 1 000 | 560 | | 2 700 | 800 | |
| **ZYGOPHYCEES** | | | | | | | | | | | | |
| *Closterium sp.* | | | | 20 | | | | | | | 40 | 200 |
| *Cosmarium sp.* | | | | | | | | | | | | |
| *Euastrum sp* | | | | | | | | | | | | |
| *Mougeotia sp* | | | | | | | | | | | | |
| *Spirogyra sp.* | | | | | | | | | | | | |
| *Spondylosium sp.* | | | | | | | | | | | | |
| *Staurastrum sp.* | | | | | | | | 40 | | | | |
| *Staurodesmus sp.* | | | | | | | | | | | | |
| *Zygnema sp* | | | | | | | | | | | | |
| **Autres** | | | | | | | | | | | | |
| **DIATOMEES** | | | | | | | | | | | | |
| *Aulacoseira granulata* | | | | | | | | | | | | |
| *Aulacoseira sp.* | 440 | | | 120 | | | 2 800 | 320 | 200 | | 400 | |
| *Cyclotella sp.* | | | | | | | | | | | | |
| *Gyrosigma sp.* | | | | | | | | | | | | |
| *Melosira varians* | | | | | | | | 280 | | | | |
| *Pseudostephanodiscus sp.* | | | | | | | | | | | | |
| *Stephanodiscus sp.* | | | 80 | | | 40 | | 120 | 200 | 200 | 4000 | 80 |
| **Centriques autres** | | | | | | | | | | | | |
| *Achnanthes sp.* | | | | | | | | | | | | |
| *Amphora sp.* | | | | | | | | | | | | |
| *Asterionella sp.* | 80 | | | | | | | | | | | |
| *Attheya sp* | | | | | | | | | | | | |
| *Bacillaria sp.* | | | | | | | | | | | | |
| *Cocconeis sp.* | | | | | | | | | | | | |
| *Craticula sp.* | | | | | | | | | | | | |
| *Cymbella sp.* | | | | | | | | | | | | |
| *Diatoma sp.* | | | | | | | | | | | | |
| *Eunotia sp.* | | | | | | | | | | | | |
| *Fragilaria sp.* | 1200 | 2400 | 4000 | | 4400 | 4000 | 6000 | 1200 | 10 000 | 8 000 | 4 000 | 400 |
| *Gomphoneis sp.* | | | | | | | | | | | | |
| *Gomphonema sp.* | | | | | | | | | | | | |
| *Gyrosygma sp* | | | | | | | | | | | | |
| *Meridion circulare* | | | | | | | | | | | | |
| *Navicula sp.* | 40 | | 120 | | 80 | | | 480 | | 200 | 2000 | 80 |
| *Nitzschia sp.* | | | | | | | | | | | | |
| *Pinnularia sp.* | | | | | | | | | | | | |
| *Pleurosigma sp.* | | | | | 2 400 | 40 | | | | 4 000 | 2 000 | |
| *Urosolenia sp* | | | | | | | | | | | | |
| *Surirella sp.* | | | | | | | | | | | | |
| *Tabellaria sp.* | | | | | | | | | | | | |
| **Pennées autres** | | | | | | | | | | | | |
| **CHRYSOPHYCEES** | | | | | | | | | | | | |
| *Dinobryon sp.* | | | | | | | | | | | | |
| *Kephyrion sp.* | | | | | | | | | | | | |
| *Mallomonas sp.* | | | | | | | | | | | | |
| *Synura sp.* | | | | | | | | | | | | |
| *Uroglena sp.* | | | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **XANTHOPHYCEES** | | | | | | | | | | | | |
| *Centritractus sp* | | | | | | | | | | | | |
| *Goniochloris sp.* | | | | | | | | | | | | |
| *Ophiocytium sp* | | | | | | | | | | | | |
| *Pseudostaurastrum sp.* | | | | | | | | | | | | |
| *Tetraedriella sp* | | | | | | | | | | | | |
| *Tribonema sp.* | | | | | | | | | | | | |
| **Autres** | | | | | | | | | | | | |
| **DINOPHYCEES** | | | | | | | | | | | | |
| *Ceratium sp.* | | | | | | | | | | | | |
| *Gymnodinium sp.* | | | | | | | | | | | | |
| *Peridinium sp.* | | | | | | | | | | | | |
| Autres | | | | | | | | | | | | |
| **CRYPTOPHYCEES** | | | | | | | | | | | | |
| *Cryptomonas sp.* | 280 | | 1600 | | 80 | | | | | | 2000 | 840 |
| Autres | | | | | | | | | | | | |
| **EUGLENOPHYCEES** | | | | | | | | | | | | |
| *Euglena sp.* | 40 | | | | | | | | | | | |
| *Lepocinclis sp* | | | | | | | | | | | | |
| *Phacus sp.* | | | | | | | | | | | | |
| *Strombomonas sp.* | | | | | | | | | | | | |
| *Trachelomonas sp.* | | | | | 40 | | 480 | | | | 40 | 40 |
| Autres | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Température de l'air en °C** | 11,7 | 14,6 | 19 | 18,6 | 15,7 | 23,5 | 19,8 | 18,4 | 21 | 16,4 | 15,8 | 10,6 |
| **Température de l'eau en °C** | 14,9 | 16,2 | 22,5 | 21,6 | 21,3 | 23,7 | 22,6 | 19,8 | 20,7 | 18,3 | 16,6 | 8,8 |
| **pH** | 8,5 | 8,3 | 9,1 | 8,3 | 9,3 | 9,9 | 9,2 | 9,2 | 8,1 | 7,8 | 8,2 | 7,4 |
| **Disque de Secchi (m)** | 0,4 | 0,35 | 0,4 | 0,1 | 0,2 | 0,2 | 0,2 | 0,2 | 0,3 | 0,4 | 0,3 | 0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Validation: | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO | M.GIBIER | M.GIBIER | S.PIRIO | S.PIRIO | S.PIRIO | S.PIRIO |
| Date: | 05/05/2021 | 18/05/2021 | 10/06/2021 | 22/06/2021 | 07/07/2021 | 20/07/2021 | 03/08/2021 | 30/08/2021 | 15/09/2021 | 28/09/2021 | 12/10/2021 | 23/11/2021 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Résultat de l'observation du prélèvement de l' efflorescence: | | | | | | | | | | | | |
| Genre dominant: | | | | | | | | | | | | |