



# ORGANISMO NACIONAL DE SANIDAD PESQUERA

## SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Ica: 006 Bahía Paracas, 003 Bahía Lagunillas, 005 Bahía Independencia

Análisis Cuantitativo de Fitoplancton (Nº cel/L)

1ra Semana



Semana: 01 al 07 de febrero de 2015

Fecha: 06 de febrero de 2015

| ZONAS                                       | 006 BAHIA PARACAS |      | 003 BAHIA LAGUNILLAS |          |                    | 005 BAHIA INDEPENDENCIA |            |           |                  |      |      |          |                  |
|---------------------------------------------|-------------------|------|----------------------|----------|--------------------|-------------------------|------------|-----------|------------------|------|------|----------|------------------|
| AREAS                                       | ATENAS            |      | ARQUILLO             | ZÁRATE   | LA MINA LAGUNILLAS | LAGUNA GRANDE           | CANASTONES | STA. ROSA | TUNGA - EL QUESO |      |      | LA PAMPA | EL ANCLA-CHUCCIO |
| ESTACION                                    | 01-A-PAR          |      | 01-B-LAG             | 04-B-LAG | 02-B-LAG           | 01-A-IND                | 04-A-IND   | 07-A-IND  | 05-A-IND         |      |      | 08-A-IND | 03-A-IND         |
| PROFUNDIDAD (m)                             | 0-3               | 3-7  | ....                 | ....     | ....               | ....                    | ....       | ....      | ....             | .... | .... | ....     | ....             |
| TEMPERATURA (°C)                            | 18.6              | 16.5 | ....                 | ....     | ....               | ....                    | ....       | ....      | ....             | .... | .... | ....     | ....             |
| DIATOMEAS                                   |                   |      |                      |          |                    |                         |            |           |                  |      |      |          |                  |
| Grupo <i>Pseudo-nitzschia delicatissima</i> | 120               | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| Grupo <i>Pseudo-nitzschia seriata</i>       | 440               | 2360 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| DINOFLAGELADOS                              |                   |      |                      |          |                    |                         |            |           |                  |      |      |          |                  |
| <i>Alexandrium minutum</i>                  | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Alexandrium monilatum</i>                | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Alexandrium ostenfeldii</i>              | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Alexandrium peruvianum</i>               | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Alexandrium sp.</i>                      | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Azadinium spinosum</i>                   | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Cochlodinium polykrikoides</i>           | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Dinophysis acuminata</i>                 | 160               | 360  | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Dinophysis caudata</i>                   | 920               | 3080 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Dinophysis rotundata</i>                 | 80                | 80   | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Dinophysis tripos</i>                    | 40                | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Gonyaulax spinifera</i>                  | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Karenia sp.</i>                          | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Karlodinium cf. veneficum</i>            | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Lingulodinium polyedrum</i>              | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Prorocentrum lima</i>                    | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Prorocentrum minimum</i>                 | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Protoceratium reticulatum</i>            | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Protoperdinium crassipes</i>             | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| FITOFAGELADOS                               |                   |      |                      |          |                    |                         |            |           |                  |      |      |          |                  |
| <i>Heterosigma akashiwo</i>                 | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |

S/M: Sin Monitoreo

Fuente: Entidad de Apoyo CERPER S.A.



# ORGANISMO NACIONAL DE SANIDAD PESQUERA

## SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Ica: 006 Bahía Paracas, 003 Bahía Lagunillas, 005 Bahía Independencia

Análisis Cuantitativo de Fitoplancton (Nº cel/L)

2da Semana



Semana: 08 al 14 de febrero de 2015

Fechas: 12 y 13 de febrero de 2015

| ZONAS                                       | 006 BAHIA PARACAS | 003 BAHIA LAGUNILLAS |          |                    | 005 BAHIA INDEPENDENCIA |            |           |                  |      |       |          |                  |
|---------------------------------------------|-------------------|----------------------|----------|--------------------|-------------------------|------------|-----------|------------------|------|-------|----------|------------------|
| AREAS                                       | ATENAS            | ARQUILLO             | ZÁRATE   | LA MINA LAGUNILLAS | LAGUNA GRANDE           | CANASTONES | STA. ROSA | TUNGA - EL QUESO |      |       | LA PAMPA | EL ANCLA-CHUCCIO |
| ESTACION                                    | 01-A-PAR          | 01-B-LAG             | 04-B-LAG | 02-B-LAG           | 01-A-IND                | 04-A-IND   | 07-A-IND  | 05-A-IND         |      |       | 08-A-IND | 03-A-IND         |
| PROFUNDIDAD (m)                             | 0-7               | ....                 | ....     | ....               | ....                    | ....       | ....      | 0-5              | 5-10 | 10-15 | ....     | ....             |
| TEMPERATURA (°C)                            | 18.6              | ....                 | ....     | ....               | ....                    | ....       | ....      | 17.2             | 16.5 | 16.4  | ....     | ....             |
| DIATOMEAS                                   |                   |                      |          |                    |                         |            |           |                  |      |       |          |                  |
| Grupo <i>Pseudo-nitzschia delicatissima</i> | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 280              | 400  | 520   | S/M      | S/M              |
| Grupo <i>Pseudo-nitzschia seriata</i>       | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 120  | 120   | S/M      | S/M              |
| DINOFLAGELADOS                              |                   |                      |          |                    |                         |            |           |                  |      |       |          |                  |
| <i>Alexandrium minutum</i>                  | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Alexandrium monilatum</i>                | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Alexandrium ostenfeldii</i>              | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Alexandrium peruvianum</i>               | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Alexandrium</i> sp.                      | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Azadinium spinosum</i>                   | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Cochlodinium polykrikoides</i>           | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Dinophysis acuminata</i>                 | 200               | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 40               | 40   | 40    | S/M      | S/M              |
| <i>Dinophysis caudata</i>                   | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 160              | 440  | 440   | S/M      | S/M              |
| <i>Dinophysis rotundata</i>                 | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 40               | 80   | 0     | S/M      | S/M              |
| <i>Dinophysis tripos</i>                    | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Gonyaulax spinifera</i>                  | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Karenia</i> sp.                          | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Karlodinium</i> cf. <i>veneficum</i>     | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Lingulodinium polyedrum</i>              | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Prorocentrum lima</i>                    | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Prorocentrum minimum</i>                 | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Protoceratium reticulatum</i>            | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Protoperdinium crassipes</i>             | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| FITOFLAGELADOS                              |                   |                      |          |                    |                         |            |           |                  |      |       |          |                  |
| <i>Heterosigma akashiwo</i>                 | 0                 | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |

S/M: Sin Monitoreo

Fuente: Entidad de Apoyo CERPER S.A.



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## SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Ica: 006 Bahía Paracas, 003 Bahía Lagunillas, 005 Bahía Independencia

Análisis Cuantitativo de Fitoplancton (Nº cel/L)

3ra Semana



Semana: 15 al 21 de febrero de 2015

Fecha: 20 de febrero de 2015

| ZONAS                                       | 006 BAHIA PARACAS | 003 BAHIA LAGUNILLAS |          |                    |               | 005 BAHIA INDEPENDENCIA |           |                  |      |      |          |                  |
|---------------------------------------------|-------------------|----------------------|----------|--------------------|---------------|-------------------------|-----------|------------------|------|------|----------|------------------|
| AREAS                                       | ATENAS            | ARQUILLO             | ZÁRATE   | LA MINA LAGUNILLAS | LAGUNA GRANDE | CANASTONES              | STA. ROSA | TUNGA - EL QUESO |      |      | LA PAMPA | EL ANCLA-CHUCCIO |
| ESTACION                                    | 01-A-PAR          | 01-B-LAG             | 04-B-LAG | 02-B-LAG           | 01-A-IND      | 04-A-IND                | 07-A-IND  | 05-A-IND         |      |      | 08-A-IND | 03-A-IND         |
| PROFUNDIDAD (m)                             | 0-7               | ....                 | ....     | ....               | ....          | ....                    | ....      | ....             | .... | .... | ....     | ....             |
| TEMPERATURA (°C)                            | 18.1              | ....                 | ....     | ....               | ....          | ....                    | ....      | ....             | .... | .... | ....     | ....             |
| DIATOMEAS                                   |                   |                      |          |                    |               |                         |           |                  |      |      |          |                  |
| Grupo <i>Pseudo-nitzschia delicatissima</i> | 80                | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| Grupo <i>Pseudo-nitzschia seriata</i>       | 120               | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| DINOFLAGELADOS                              |                   |                      |          |                    |               |                         |           |                  |      |      |          |                  |
| <i>Alexandrium minutum</i>                  | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Alexandrium monilatum</i>                | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Alexandrium ostenfeldii</i>              | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Alexandrium peruvianum</i>               | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Alexandrium sp.</i>                      | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Azadinium spinosum</i>                   | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Cochlodinium polykrikoides</i>           | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Dinophysis acuminata</i>                 | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Dinophysis caudata</i>                   | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Dinophysis rotundata</i>                 | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Dinophysis tripos</i>                    | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Gonyaulax spinifera</i>                  | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Karenia sp.</i>                          | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Karlodinium cf. veneficum</i>            | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Lingulodinium polyedrum</i>              | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Prorocentrum lima</i>                    | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Prorocentrum minimum</i>                 | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Protoceratium reticulatum</i>            | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| <i>Protoperdinium crassipes</i>             | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |
| FITOFLAGELADOS                              |                   |                      |          |                    |               |                         |           |                  |      |      |          |                  |
| <i>Heterosigma akashiwo</i>                 | 0                 | S/M                  | S/M      | S/M                | S/M           | S/M                     | S/M       | S/M              | S/M  | S/M  | S/M      | S/M              |

S/M: Sin Monitoreo

Fuente: Entidad de Apoyo CERPER S.A.



# ORGANISMO NACIONAL DE SANIDAD PESQUERA

## SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Ica: 006 Bahía Paracas, 003 Bahía Lagunillas, 005 Bahía Independencia

Análisis Cuantitativo de Fitoplancton (Nº cel/L)

4ta Semana



Semana: 22 al 28 de febrero de 2015

Fechas: 26 y 27 de febrero de 2015

| ZONAS                                       | 006 BAHIA PARACAS |      | 003 BAHIA LAGUNILLAS |          |                    | 005 BAHIA INDEPENDENCIA |            |           |                  |      |       |          |                  |
|---------------------------------------------|-------------------|------|----------------------|----------|--------------------|-------------------------|------------|-----------|------------------|------|-------|----------|------------------|
| AREAS                                       | ATENAS            |      | ARQUILLO             | ZÁRATE   | LA MINA LAGUNILLAS | LAGUNA GRANDE           | CANASTONES | STA. ROSA | TUNGA - EL QUESO |      |       | LA PAMPA | EL ANCLA-CHUCCIO |
| ESTACION                                    | 01-A-PAR          |      | 01-B-LAG             | 04-B-LAG | 02-B-LAG           | 01-A-IND                | 04-A-IND   | 07-A-IND  | 05-A-IND         |      |       | 08-A-IND | 03-A-IND         |
| PROFUNDIDAD (m)                             | 0-3               | 3-8  | ....                 | ....     | ....               | ....                    | ....       | ....      | 0-5              | 5-10 | 10-15 | ....     | ....             |
| TEMPERATURA (°C)                            | 20.5              | 18.1 | ....                 | ....     | ....               | ....                    | ....       | ....      | 19.3             | 16.6 | 15.6  | ....     | ....             |
| DIATOMEAS                                   |                   |      |                      |          |                    |                         |            |           |                  |      |       |          |                  |
| Grupo <i>Pseudo-nitzschia delicatissima</i> | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| Grupo <i>Pseudo-nitzschia seriata</i>       | 360               | 520  | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| DINOFLAGELADOS                              |                   |      |                      |          |                    |                         |            |           |                  |      |       |          |                  |
| <i>Alexandrium minutum</i>                  | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Alexandrium monilatum</i>                | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Alexandrium ostenfeldii</i>              | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Alexandrium peruvianum</i>               | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Alexandrium</i> sp.                      | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Azadinium spinosum</i>                   | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Cochlodinium polykrikoides</i>           | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Dinophysis acuminata</i>                 | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Dinophysis caudata</i>                   | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 1520             | 480  | 80    | S/M      | S/M              |
| <i>Dinophysis rotundata</i>                 | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 40   | 0     | S/M      | S/M              |
| <i>Dinophysis tripos</i>                    | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Gonyaulax spinifera</i>                  | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 200              | 0    | 0     | S/M      | S/M              |
| <i>Karenia</i> sp.                          | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Karlodinium</i> cf. <i>veneficum</i>     | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Lingulodinium polyedrum</i>              | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Prorocentrum lima</i>                    | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Prorocentrum minimum</i>                 | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 80               | 0    | 0     | S/M      | S/M              |
| <i>Protoceratium reticulatum</i>            | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| <i>Protoperidinium crassipes</i>            | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |
| FITOFLAGELADOS                              |                   |      |                      |          |                    |                         |            |           |                  |      |       |          |                  |
| <i>Heterosigma akashiwo</i>                 | 0                 | 0    | S/M                  | S/M      | S/M                | S/M                     | S/M        | S/M       | 0                | 0    | 0     | S/M      | S/M              |

S/M: Sin Monitoreo

Fuente: Entidad de Apoyo CERPER S.A.