



# ORGANISMO NACIONAL DE SANIDAD PESQUERA

SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Concesiones de Cultivo de *Argopecten purpuratus* "concha de abanico"

Departamentos de Piura / Zonas: 010 Nonura

Monitoreo de Fitoplancton Potencialmente Tóxico

Reporte de Análisis Cuantitativo de Fitoplancton (N° cel/L)

FEBRERO 2016



| ZONAS                                       | 010-NON-01 NONURA        |     |     |          |     |     |          |     |     |                          |      |       |          |      |       |          |      |       |                          |       |       |          |       |       |                          |      |       |          |       |       |   |
|---------------------------------------------|--------------------------|-----|-----|----------|-----|-----|----------|-----|-----|--------------------------|------|-------|----------|------|-------|----------|------|-------|--------------------------|-------|-------|----------|-------|-------|--------------------------|------|-------|----------|-------|-------|---|
| N° MONITOREO                                | 06                       |     |     |          |     |     |          |     |     | 07                       |      |       |          |      |       |          |      |       | 08                       |       |       |          |       |       | 09                       |      |       |          |       |       |   |
| SEMANA                                      | 31/01/2016 al 06/02/2016 |     |     |          |     |     |          |     |     | 07/02/2016 al 13/02/2016 |      |       |          |      |       |          |      |       | 14/02/2016 al 20/02/2016 |       |       |          |       |       | 21/02/2016 al 27/02/2016 |      |       |          |       |       |   |
| FECHA DE MONITOREO                          | ---                      |     |     |          |     |     |          |     |     | 12/02/2016*              |      |       |          |      |       |          |      |       | 19/02/2016               |       |       |          |       |       | 26/02/2016               |      |       |          |       |       |   |
| ESTACION                                    | 01-A-NON                 |     |     | 01-B-NON |     |     | 01-C-NON |     |     | 01-A-NON                 |      |       | 01-B-NON |      |       | 01-C-NON |      |       | 01-A-NON                 |       |       | 01-B-NON |       |       | 01-A-NON                 |      |       | 01-B-NON |       |       |   |
| PROFUNDIDAD (m)                             | ---                      | --- | --- | ---      | --- | --- | ---      | --- | --- | 0-5                      | 5-10 | 10-15 | 0-5      | 5-10 | 10-15 | 0-5      | 5-10 | 10-15 | 0-5                      | 5-10  | 10-15 | 0-5      | 5-10  | 10-15 | 0-5                      | 5-10 | 10-15 | 0-5      | 5-10  | 10-15 |   |
| TEMPERATURA (°C)                            | ---                      | --- | --- | ---      | --- | --- | ---      | --- | --- | 21.9                     | 20.9 | 20.8  | 21.8     | 21.0 | 20.6  | 21.8     | 21.1 | 20.6  | 23.7                     | 22.7  | 23.6  | 23.9     | 21.9  | 21.9  | 22.1                     | 21.1 | 20.7  | 22.0     | 20.5  | 20.6  |   |
| DIATOMEAS                                   |                          |     |     |          |     |     |          |     |     |                          |      |       |          |      |       |          |      |       |                          |       |       |          |       |       |                          |      |       |          |       |       |   |
| Grupo <i>Pseudo-nitzschia delicatissima</i> | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 15240                    | 15480 | 12760 | 35480    | 23080 | 11920 | 11960                    | 3920 | 4320  | 14720    | 14760 | 5280  |   |
| Grupo <i>Pseudo-nitzschia seriata</i>       | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 11120                    | 3160  | 760   | 1680     | 1440  | 1760  | 14920                    | 2400 | 5640  | 16840    | 13440 | 8880  |   |
| DINOFLAGELADOS                              |                          |     |     |          |     |     |          |     |     |                          |      |       |          |      |       |          |      |       |                          |       |       |          |       |       |                          |      |       |          |       |       |   |
| <i>Alexandrium minutum</i>                  | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Alexandrium monilatum</i>                | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Alexandrium ostenfeldii</i>              | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Alexandrium peruvianum</i>               | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Alexandrium</i> sp.                      | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Azadinium spinosum</i>                   | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Cochlodinium polykrikoides</i>           | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Dinophysis acuminata</i>                 | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 40    | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 160   | 0     |   |
| <i>Dinophysis caudata</i>                   | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Dinophysis rotundata</i>                 | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Dinophysis tripos</i>                    | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Gonyaulax spinifera</i>                  | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 40    | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 80       | 440   | 0     |   |
| <i>Karenia</i> sp.                          | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Karlodinium cf. veneticum</i>            | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Lingulodinium polyedrum</i>              | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Prorocentrum lima</i>                    | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Prorocentrum minimum</i>                 | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 80                       | 0     | 0     | 80       | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 40    | 0 |
| <i>Protoceratium reticulatum</i>            | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     |   |
| <i>Protoperdinium crassipes</i>             | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 40       | 0     | 0     |   |
| FITOFLAGELADOS                              |                          |     |     |          |     |     |          |     |     |                          |      |       |          |      |       |          |      |       |                          |       |       |          |       |       |                          |      |       |          |       |       |   |
| <i>Heterosigma akashiwo</i>                 | S/M                      | S/M | S/M | S/M      | S/M | S/M | S/M      | S/M | S/M | S/M                      | S/M  | S/M   | S/M      | S/M  | S/M   | S/M      | S/M  | S/M   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0     | 0     | 0 |

S/M: Sin Monitoreo

\* Sólo se tomó muestra para *E. coli*

Fuente: Entidad de Apoyo CERPER S.A.