



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 (Nº cel/L)  
MARZO 2016



| ZONAS                                       | 010-NON-01 NONURA        |       |       |          |       |       |                          |      |       |          |      |       |                          |       |       |          |       |       |                          |       |       |          |       |       |                          |      |       |          |      |       |    |
|---------------------------------------------|--------------------------|-------|-------|----------|-------|-------|--------------------------|------|-------|----------|------|-------|--------------------------|-------|-------|----------|-------|-------|--------------------------|-------|-------|----------|-------|-------|--------------------------|------|-------|----------|------|-------|----|
| N° MONITOREO                                | 10                       |       |       |          |       |       | 11                       |      |       |          |      |       | 12                       |       |       |          |       |       | 13                       |       |       |          |       |       | 14                       |      |       |          |      |       |    |
| SEMANA                                      | 28/02/2016 al 05/03/2016 |       |       |          |       |       | 06/03/2016 al 12/03/2016 |      |       |          |      |       | 13/03/2016 al 19/03/2016 |       |       |          |       |       | 20/03/2016 al 26/03/2016 |       |       |          |       |       | 27/03/2016 al 02/04/2016 |      |       |          |      |       |    |
| FECHA DE MONITOREO                          | 04/03/2016               |       |       |          |       |       | 11/03/2016               |      |       |          |      |       | 18/03/2016               |       |       |          |       |       | 25/03/2016               |       |       |          |       |       | 01/04/2016               |      |       |          |      |       |    |
| ESTACION                                    | 01-A-NON                 |       |       | 01-B-NON |       |       | 01-A-NON                 |      |       | 01-B-NON |      |       | 01-A-NON                 |       |       | 01-B-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 | 0-5      | 5-10  | 10-15 | 0-5                      | 5-10 | 10-15 | 0-5      | 5-10 | 10-15 |    |
| TEMPERATURA SUPERFICIAL (°C)                | 22.5                     | 21.1  | 21.3  | 22.6     | 20.9  | 19.8  | 25.0                     | 24.6 | 23.0  | 25.4     | 24.1 | 21.3  | 22.8                     | 22.9  | 20.9  | 24.5     | 23.8  | 21.8  | 21.7                     | 20.3  | 19.6  | 21.3     | 20.4  | 20.7  | 22.6                     | 21.4 | 21.2  | 22.2     | 21.4 | 20.4  |    |
| DIATOMEAS                                   |                          |       |       |          |       |       |                          |      |       |          |      |       |                          |       |       |          |       |       |                          |       |       |          |       |       |                          |      |       |          |      |       |    |
| Grupo <i>Pseudo-nitzschia delicatissima</i> | 62080                    | 20800 | 6800  | 12360    | 7160  | 4960  | 0                        | 320  | 480   | 0        | 160  | 160   | 23480                    | 20040 | 12640 | 22440    | 10400 | 10440 | 60000                    | 49600 | 37120 | 38320    | 43200 | 38960 | 2840                     | 1240 | 1440  | 5560     | 4600 | 3320  |    |
| Grupo <i>Pseudo-nitzschia seriata</i>       | 191840                   | 80720 | 72720 | 215920   | 86240 | 43280 | 1240                     | 1000 | 1000  | 480      | 280  | 120   | 9560                     | 6560  | 3400  | 5120     | 6320  | 3440  | 13320                    | 8760  | 6680  | 38320    | 43200 | 38960 | 2960                     | 1640 | 200   | 3840     | 1200 | 960   |    |
| DINOFLAGELADOS                              |                          |       |       |          |       |       |                          |      |       |          |      |       |                          |       |       |          |       |       |                          |       |       |          |       |       |                          |      |       |          |      |       |    |
| <i>Alexandrium minutum</i>                  | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Alexandrium monilatum</i>                | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Alexandrium ostenfeldii</i>              | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Alexandrium peruvianum</i>               | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Alexandrium</i> sp.                      | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Azadinium spinosum</i>                   | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Cochlodinium polykrikoides</i>           | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Dinophysis acuminata</i>                 | 0                        | 0     | 0     | 0        | 0     | 40    | 0                        | 0    | 0     | 0        | 0    | 40    | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Dinophysis caudata</i>                   | 0                        | 80    | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 40   | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Dinophysis rotundata</i>                 | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Dinophysis tripos</i>                    | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 40    | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Gonyaulax spinifera</i>                  | 40                       | 0     | 0     | 0        | 0     | 0     | 40                       | 40   | 0     | 480      | 80   | 120   | 4440                     | 2440  | 720   | 880      | 40    | 120   | 280                      | 40    | 0     | 360      | 0     | 0     | 0                        | 0    | 0     | 0        | 80   | 80    | 40 |
| <i>Karenia</i> sp.                          | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Karlodinium</i> cf. <i>veneficum</i>     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Lingulodinium polyedrum</i>              | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Prorocentrum lima</i>                    | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Prorocentrum minimum</i>                 | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 40   | 0     | 0                        | 0     | 0     | 40       | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Protoceratium reticulatum</i>            | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 40       | 0     | 0     | 0                        | 0     | 0     | 0        | 40    | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| <i>Protoperidinium crassipes</i>            | 40                       | 0     | 0     | 0        | 40    | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 40    | 0     | 40       | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |
| FITOFLAGELADOS                              |                          |       |       |          |       |       |                          |      |       |          |      |       |                          |       |       |          |       |       |                          |       |       |          |       |       |                          |      |       |          |      |       |    |
| <i>Heterosigma akashiwo</i>                 | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0     | 0     | 0        | 0     | 0     | 0                        | 0    | 0     | 0        | 0    | 0     |    |

S/M: Sin Monitoreo  
Fuente: Entidad de Apoyo CERPER S.A.