



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)

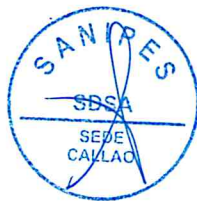
1ra Semana



Semana: 28 de diciembre de 2014 al 03 de enero 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)	....	....	....	....	....	....	....	....	....	....	....	....
TEMPERATURA (°C)	....	....	....	....	....	....	....				....	....
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
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
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
<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
<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
<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
<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
<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
<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
<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
<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
<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
<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
<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
<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
<i>Karlodinium</i> cf. <i>veneficum</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
<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
<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
<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
<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
<i>Protoperidinium 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
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: Sin Monitoreo



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: 04 al 10 de enero de 2015

Fechas: 05 y 06 de enero 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)	20.3	....	....	....	....	....	....	16.3	15.9	15.1	....	....
DIATOMEAS												
Grupo <i>Pseudo-nitzschia delicatissima</i>	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>	0	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	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>	320	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>	0	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis caudata</i>	40	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis rotundata</i>	0	S/M	S/M	S/M	S/M	S/M	S/M	0	0	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	40	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>Protoperidinium 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: 11 al 17 de enero de 2015

Fechas: 14 y 15 de enero 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)	18.1	....	....	....	....	....	....	16.9	15.8	15.3	....	....
DIATOMEAS												
Grupo <i>Pseudo-nitzschia delicatissima</i>	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>	1800	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	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>	40	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis caudata</i>	0	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis rotundata</i>	0	S/M	S/M	S/M	S/M	S/M	S/M	0	0	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	40	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>Protoperidinium 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.



ORGANISMO NACIONAL DE SANIDAD PESQUERA

SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

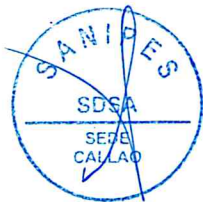
Monitoreo de Fitoplancton Potencialmente Tóxico
Departamento de Ica: 006 Bahía Paracas, 003 Bahía Lagunillas, 005 Bahía Independencia
Análisis Cuantitativo de Fitoplancton (Nº cel/L)
4ta Semana



Semana: 18 al 24 de enero 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)	....	....	....	....	....	....	....	....	....	....	....
TEMPERATURA (°C)	....	....	....	....	....	....	....	....	....	....	....
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
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
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
<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
<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
<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
<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
<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
<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
<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
<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
<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
<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
<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
<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
<i>Karlodinium</i> cf. <i>veneficum</i>	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>	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>	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>	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>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M
FITOFITAGELADOS											
<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: Sin Monitoreo



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Monitoreo de Fitoplancton Potencialmente Tóxico

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

Análisis Cuantitativo de Fitoplancton (Nº cel/L)

5ta Semana



Semana: 25 al 31 de enero de 2015

Fechas: 29 y 30 de enero 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)	18.9	....	....	....	....	....	....	16.8	16.6	15.9	....	....
DIATOMEAS												
Grupo <i>Pseudo-nitzschia delicatissima</i>	120	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>	1600	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	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>	120	S/M	S/M	S/M	S/M	S/M	S/M	0	40	80	S/M	S/M
<i>Dinophysis caudata</i>	520	S/M	S/M	S/M	S/M	S/M	S/M	80	40	80	S/M	S/M
<i>Dinophysis rotundata</i>	0	S/M	S/M	S/M	S/M	S/M	S/M	0	0	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	1000	160	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>Protoperidinium 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.