



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: 06 al 12 de setiembre de 2015

Fecha: 11 de setiembre 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)	....	....	....	....	....	....	....	0-5	5-10	10-15	....	....
TEMPERATURA (°C)	....	....	....	....	....	....	....	16.5	16.2	15.7	....	....
DIATOMEAS												
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	8040	9240	9880	S/M	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	80	0	0	S/M	S/M
DINOFLAGELADOS												
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	40	S/M	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Karenia</i> sp.	S/M	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>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Protoperdinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
FITOFITAGELADOS												
<i>Heterosigma akashiwo</i>	S/M	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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Monitoreo de Fitoplancton Potencialmente Tóxico
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Análisis Cuantitativo de Fitoplancton (Nº cel/L)
2da Semana



Semana: 13 al 19 de setiembre 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>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
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



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Análisis Cuantitativo de Fitoplancton (Nº cel/L)
3ra Semana



Semana: 20 al 26 de setiembre de 2015

Fecha: 25 de setiembre 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)	....	....	....	....	....	....	....	0-5	5-10	10-15	....	....
TEMPERATURA (°C)	....	....	....	....	....	....	....	15.5	15.5	15.3	....	....
DIATOMEAS												
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	240	640	S/M	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	960	160	160	S/M	S/M
DINOFLAGELADOS												
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Karenia</i> sp.	S/M	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>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
<i>Protoperdinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M
FITOFLAGELADOS												
<i>Heterosigma akashiwo</i>	S/M	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)
4ta Semana



Semana: 27 de setiembre al 03 de octubre 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

S/M: Sin Monitoreo