



ORGANISMO NACIONAL DE SANIDAD PESQUERA

SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Piura: Zona 012 Bahía Sechura

Análisis Cuantitativo de Fitoplancton (N° cel/L)

1ra Semana



Semana: 06 al 12 de diciembre de 2015

Fechas: 11 y 12 de diciembre de 2015

ZONAS	012 BAHIA DE SECHURA														
AREAS	SAN PABLO	SAN PEDRO	PLAYA CHUYILLACHI	CHUYILLACHI		MATA CABALLO			CONSTANTE	LAS DELICIAS	PARACHIQUE		BARRANCOS	VICHAYO	PUERTO RICO
ESTACION	01-A-SECH	02-A-SECH	03-A-SECH	04-A-SECH		05-C-SECH**			06-A-SECH	07-B-SECH*	08-C-SECH		09-A-SECH	10-C-SECH	11-A-SECH
PROFUNDIDAD (m)	....	....	.....	.....	.....	0-5	5-10	10-15	.....	0-7	.....	.....	.....	.....	....
TEMPERATURA (°C)	....	....	.....	.....	.....	21.6	21.5	20.5	.....	23.3	.....	.....	.....	.....	....
DIATOMEAS															
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	480	200	80	S/M	1160	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	720	120	40	S/M	360	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	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Alexandrium sp.</i>	S/M	S/M	S/M	S/M	S/M	40	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Karenia sp.</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Karlodinium cf. veneticum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	80	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	0	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	0	0	0	S/M	0	S/M	S/M	S/M	S/M	S/M

S/M: Sin Monitoreo

Fuente: * Entidad de Apoyo CERPER S.A.

** Entidad de Apoyo ACUILAB S.A.



ORGANISMO NACIONAL DE SANIDAD PESQUERA

SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Piura: Zona 012 Bahía Sechura

Análisis Cuantitativo de Fitoplancton (N° cel/L)

2da Semana



Semana: 13 al 19 de diciembre de 2015

Fechas: 13 y 19 de diciembre de 2015

ZONAS	012 BAHIA DE SECHURA																	
AREAS	SAN PABLO	SAN PEDRO	PLAYA CHUYILLACHI	CHUYILLACHI		MATACABALLO			CONSTANTE		LAS DELICIAS	PARACHIQUE		BARRANCOS		VICHAYO		PUERTO RICO
ESTACION	01-A-SECH	02-A-SECH	03-A-SECH	04-A-SECH		05-C-SECH**			06-A-SECH		07-B-SECH*	08-C-SECH		09-A-SECH*	09-A-SECH*	10-C-SECH*	10-C-SECH*	11-A-SECH
PROFUNDIDAD (m )	....	....	.....	.....	.....	0-5	5-10	10-15	.....	.....	0-6	.....	.....	0-6	0-7	0-6	0-6	.....
TEMPERATURA (°C)	....	....	.....	.....	.....	22.50	21.82	21.51	.....	.....	22.2	.....	.....	23.1	22.8	22.3	22.0	.....
DIATOMEAS																		
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	560	520	200	S/M	S/M	12760	S/M	S/M	640	4440	2400	6080	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	80	120	0	S/M	S/M	2480	S/M	S/M	440	480	0	400	S/M
DINOFLAGELADOS																		
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Alexandrium ostenfeldi</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	40	0	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Karlodinium</i> cf. <i>veneficum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	0	40	0	S/M	S/M	80	S/M	S/M	0	80	0	120	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M
FITOFLAGELADOS																		
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	S/M	S/M	0	S/M	S/M	0	0	0	0	S/M

S/M: Sin Monitoreo

Fuente: * Entidad de Apoyo CERPER S.A.

** Entidad de Apoyo ACUILAB S.A.



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SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Piura: Zona 012 Bahía Sechura

Análisis Cuantitativo de Fitoplancton (N° cel/L)

3ra Semana



Semana: 20 al 26 de diciembre de 2015

Fecha: 26 de diciembre de 2015

ZONAS			012 BAHIA DE SECHURA												
AREAS	SAN PABLO	SAN PEDRO	PLAYA CHUYILLACHI	CHUYILLACHI		MATACABALLO			CONSTANTE	LAS DELICIAS	PARACHIQUE		BARRANCOS	VICHAYO	PUERTO RICO
ESTACION	01-A-SECH	02-A-SECH	03-A-SECH	04-A-SECH		05-C-SECH			06-A-SECH	07-B-SECH*	08-C-SECH		09-A-SECH*	10-C-SECH*	11-A-SECH
PROFUNDIDAD (m)	....	....	....	....	....	....	....	....	....	0-6	....	....	0-5	0-6	....
TEMPERATURA (°C)	....	....	....	....	....	....	....	....	....	21.7	....	....	21.6	21.3	....
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	12480	S/M	S/M	80	320	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	3560	S/M	S/M	0	0	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	0	S/M	S/M	0	0	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Alexandrium sp.</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	80	40	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	80	40	S/M
<i>Karenia sp.</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Karlodinium cf. veneficum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	40	S/M	S/M	40	0	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	S/M
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	S/M	S/M	0	0	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	0	S/M	S/M	0	0	S/M

S/M: Sin Monitoreo

Fuente: * Entidad de Apoyo CERPER S.A.

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