



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: 04 al 10 de octubre de 2015

Fechas: 09 y 10 de octubre 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-B-SECH**	06-A-SECH**	07-B-SECH*	08-C-SECH*		09-A-SECH*	10-C-SECH*	11-A-SECH*
PROFUNDIDAD (m)	....	....	.....	.....	.....	0-5	0-5	0-7	0-3	3-8	0-6	0-5	0-5
TEMPERATURA (°C)	....	....	.....	.....	.....	21.4	20.7	20.6	21.0	20.6	20.7	20.5	21.2
DIATOMEAS													
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	320	360	1680	960	800	80	80	680
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	920	320	240	0	0	0	0	0
DINOFLAGELADOS													
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	80
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	0	40	0	0	0	0	0	0
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Karlodinium</i> cf. <i>veneficum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	80	40	800	1120	240	960	280	400
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
<i>Protoperdinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0
FITOFLAGELADOS													
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M	S/M	0	0	80	0	240	0	0	120

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: 11 al 17 de octubre de 2015

Fechas: 16 y 17 de octubre 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)	....	....	.....	.....	.....	0-5	5-10	10-15	0-5	0-7	0-3	3-8	0-6	0-5	0-5
TEMPERATURA (°C)	....	....	.....	.....	.....	18.8	17.6	17.0	17.5	19.1	20.5	19.5	19.1	18.9	19.3
DIATOMEAS															
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	24880	22480	8320	10720	20400	18600	13760	16880	13920	17960
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	0	600	160	200	0	0	600	320	120	0
DINOFLAGELADOS															
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Alexandrium sp.</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	120	80	0	0
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	40	0	0
<i>Karenia sp.</i>	S/M	S/M	S/M	S/M	S/M	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	0	0	0	0	0	0	0	0	0	0
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	40	160	40	0	200	120	0	0	0	80
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0
FITOFLAGELADOS															
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	0	0	0

S/M: Sin Monitoreo

Fuente: * Entidad de Apoyo CERPER S.A.

** Entidad de Apoyo ACUILAB S.A.



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Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Piura: Zona 012 Bahía Sechura

Análisis Cuantitativo de Fitoplancton (N° cel/L)

3ra Semana



Semana: 18 al 24 de octubre de 2015

Fechas: 21, 23 y 24 de octubre 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-B-SECH**		06-A-SECH	07-B-SECH*	08-C-SECH*		09-A-SECH*	10-C-SECH*	11-A-SECH*
PROFUNDIDAD (m )	....	....	.....	.....	.....	0-5	0-5	.....	0-7	0-4	4-9	0-7	0-6	0-5
TEMPERATURA (°C)	....	....	.....	.....	.....	20.3	18,7	.....	18.3	20.5	19.1	19.1	18.4	19.3
DIATOMEAS														
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	12160	6240	S/M	5640	2440	6040	4000	6160	4320
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	320	200	S/M	0	0	0	0	0	0
DINOFLAGELADOS														
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	80	0
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	2760	0
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	0	40	S/M	40	0	0	40	0	0
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Karlodinium</i> cf. <i>veneficum</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	480	40	S/M	1040	6880	800	1240	0	4800
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	0
FITOFLAGELADOS														
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M	S/M	0	0	S/M	0	0	0	0	0	80

S/M: Sin Monitoreo

Fuente: * Entidad de Apoyo CERPER S.A.

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Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Piura: Zona 012 Bahía Sechura

Análisis Cuantitativo de Fitoplancton (N° cel/L)

4ta Semana



Semana: 25 al 31 de octubre de 2015

Fechas: 30 y 31 de octubre 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-B-SECH**	06-A-SECH	07-B-SECH*	08-C-SECH*		09-A-SECH*	10-C-SECH*	11-A-SECH*
PROFUNDIDAD (m)	....	....	.....	.....	.....	0-5	.....	0-7	0-3	3-8	0-5	0-6	0-5
TEMPERATURA (°C)	....	....	.....	.....	.....	21.0	.....	20.0	20.4	19.8	20.1	19.6	19.90
DIATOMEAS													
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	960	S/M	39600	50000	50960	58400	17280	25600
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
DINOFLAGELADOS													
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	40	0	0	0	0
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	80
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	40	0	0
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	80	0	0
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Karlodinium</i> cf. <i>veneficum</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	160	S/M	5080	6840	8040	1840	2960	960
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0
FITOFLAGELADOS													
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M	S/M	0	S/M	0	0	0	0	0	0

S/M: Sin Monitoreo

Fuente: * Entidad de Apoyo CERPER S.A.

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