



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: 02 al 08 de agosto de 2015

Fechas: 07 y 08 de agosto 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	0-7	0-3	3-8	0-6	0-5
TEMPERATURA (°C)	....	....	....	....	....	19.6	19.0	19.0	18.9	19.1	19.1
DIATOMEAS											
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	1520	23000	31560	29120	27480	20360
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	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	0	0	0	0
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	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
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	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
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	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
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	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
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	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
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M	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	0	0	0	0
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	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
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	0	0	120	0	0	0
<i>Protoperdinium crassipes</i>	S/M	S/M	S/M	S/M	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	0	0	0	0

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: 09 al 15 de agosto de 2015

Fechas: 14 y 15 de agosto de 2015

ZONAS	012 BAHIA DE SECHURA															Fechas: 14 y 15 de agosto de 201	
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	0-7	0-3	3-8	0-6	0-5	....	
TEMPERATURA (°C)	....	....	....	....	....	....	....	....	19.2	17.8	18.9	19.1	18.8	18.7	18.7	....	
DIATOMEAS																	
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	240	440	1200	2280	480	1200	920	S/M	
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	80	480	0	S/M	
DINOFLAGELADOS																	
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Alexandrium sp.</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	40	0	0	0	S/M	
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Karenia sp.</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	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	0	0	0	0	0	0	0	S/M	
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M	
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	40	0	0	S/M	
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	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	0	0	0	0	0	0	0	S/M	
S/M: Sin Monitoreo																	

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)

3ra Semana



Semana: 16 al 22 de agosto de 2015

Fechas: 21 y 22 de agosto de 2015

ZONAS	012 BAHIA DE SECHURA														Fechas: 21 y 22 de agosto de 2015
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	0-7	0-3	3-8	0-6	0-6	.....
TEMPERATURA (°C)	....	....	.....	.....	.....	.....	.....	.....	19.7	18.0	18.1	17.9	18.1	17.6	.....
DIATOMEAS															
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	80	960	2400	1640	320	520	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	320	320	1400	920	0	320	S/M
DINOFLAGELADOS															
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Cochlodinium polykrioides</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	40	0	0	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Karlodinium</i> cf. <i>veneticum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	40	0	0	0	0	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	S/M
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	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	0	0	0	0	0	0	S/M
S/M: Sin Monitoreo															

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)

4ta Semana



Semana: 23 al 29 de agosto de 2015

Fechas: 28 y 29 de agosto de 2015

ZONAS	012 BAHIA DE SECHURA																Fechas: 28 y 29 de agosto de 2015	
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	0-3	3-8	0-3	3-8	0-6	0-5	.....		
TEMPERATURA (°C)	....	....	.....	.....	.....	.....	.....	.....	18.9	17.8	17.5	18.0	17.5	17.5	17.2	.....		
DIATOMEAS																		
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	240	1840	1200	440	1080	2400	2040	S/M		
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	440	640	320	320	320	0	560	S/M		
DINOFLAGELADOS																		
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	S/M		
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	0	0	S/M		
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	40	40	0	0	0	S/M		
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	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	0	0	0	0	0	0	0	S/M		
S/M: Sin Monitoreo																		

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)

5ta Semana



Semana: 30 de agosto al 05 de setiembre de 2015

Fechas: 04 y 05 de setiembre de 2015

ZONAS	012 BAHIA DE SECHURA												Fechas: 04 y 05 de setiembre de 2015	
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)	....	....	.....	.....	.....	.....	.....	.....	0-6	0-7	0-7	0-6	0-6	.....
TEMPERATURA (°C)	....	....	.....	.....	.....	.....	.....	.....	19.7	18.7	18.2	18.5	18.1	.....
DIATOMEAS														
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	1680	560	840	1760	480	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	1080	440	80	0	S/M
DINOFLAGELADOS														
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	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	0	0	0	0	0	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	0	0	S/M
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M	S/M	S/M	S/M	S/M	0	0	0	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	0	0	0	0	0	S/M
S/M: Sin Monitoreo														

S/M: Sin Monitoreo

Fuente: * Entidad de Apoyo CERPER S.A.

** Entidad de Apoyo ACUILAB S.A.