



ORGANISMO NACIONAL DE SANIDAD PESQUERA

SUB DIRECCIÓN DE SUPERVISIÓN ACUÍCOLA

Monitoreo de Fitoplancton Potencialmente Tóxico

Departamento de Ancash: Zona 018 Tamborero

Análisis Cuantitativo de Fitoplancton (N° cel/L)

1ra Semana



Semana: 02 al 08 de agosto de 2015

ZONAS	018 TAMBORERO			
AREAS	LAS ZORRAS	GRAMADAL		
ESTACION	01 - A - TAM	02 - B - TAM		
PROFUNDIDAD (m)	....	....	....	....
TEMPERATURA (°C)	....	....	....	....
DIATOMEAS				
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M
DINOFLAGELADOS				
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium sp.</i>	S/M	S/M	S/M	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M
<i>Karenia sp.</i>	S/M	S/M	S/M	S/M
<i>Karlodinium cf. veneficum</i>	S/M	S/M	S/M	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M
<i>Protoperdinium crassipes</i>	S/M	S/M	S/M	S/M
FITOFLAGELADOS				
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M

S/M: Sin Monitoreo



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Análisis Cuantitativo de Fitoplancton (N° cel/L)

2da Semana



Semana: 09 al 15 de agosto de 2015

ZONAS	018 TAMBORERO			
AREAS	LAS ZORRAS	GRAMADAL		
ESTACION	01 - A - TAM	02 - B - TAM		
PROFUNDIDAD (m)	....	....	....	....
TEMPERATURA (°C)	....	....	....	....
DIATOMEAS				
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M
DINOFLAGELADOS				
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M
<i>Karlodinium</i> cf. <i>veneficum</i>	S/M	S/M	S/M	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M
FITOFAGELADOS				
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M

S/M: Sin Monitoreo



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Análisis Cuantitativo de Fitoplancton (N° cel/L)

3ra Semana



Semana: 16 al 22 de agosto de 2015

ZONAS	018 TAMBORERO			
AREAS	LAS ZORRAS	GRAMADAL		
ESTACION	01 - A - TAM	02 - B - TAM		
PROFUNDIDAD (m)	....	....	....	....
TEMPERATURA (°C)	....	....	....	....
DIATOMEAS				
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M
DINOFLAGELADOS				
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M
<i>Karlodinium</i> cf. <i>veneficum</i>	S/M	S/M	S/M	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M
<i>Protoperidinium crassipes</i>	S/M	S/M	S/M	S/M
FITOFLAGELADOS				
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M

S/M: Sin Monitoreo



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Análisis Cuantitativo de Fitoplancton (N° cel/L)

4ta Semana



Semana: 23 al 29 de agosto de 2015

Fecha: 29 de agosto de 2015

ZONAS	018 TAMBORERO			
AREAS	LAS ZORRAS	GRAMADAL		
ESTACION	01 - A - TAM	02 - B - TAM		
PROFUNDIDAD (m)	....	0-5	5-10	10-15
TEMPERATURA (°C)	....	19.2	18.5	18.0
DIATOMEAS				
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	120	0	0
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	120	0	40
DINOFLAGELADOS				
<i>Alexandrium minutum</i>	S/M	0	0	0
<i>Alexandrium monilatum</i>	S/M	0	0	0
<i>Alexandrium ostenfeldii</i>	S/M	0	0	0
<i>Alexandrium peruvianum</i>	S/M	0	0	0
<i>Alexandrium</i> sp.	S/M	0	0	0
<i>Azadinium spinosum</i>	S/M	0	0	0
<i>Cochlodinium polykrikoides</i>	S/M	0	0	0
<i>Dinophysis acuminata</i>	S/M	0	0	0
<i>Dinophysis caudata</i>	S/M	0	0	80
<i>Dinophysis rotundata</i>	S/M	0	0	0
<i>Dinophysis tripos</i>	S/M	0	0	0
<i>Gonyaulax spinifera</i>	S/M	0	0	0
<i>Karenia</i> sp.	S/M	0	0	0
<i>Karlodinium</i> cf. <i>veneficum</i>	S/M	0	0	0
<i>Lingulodinium polyedrum</i>	S/M	0	0	0
<i>Prorocentrum lima</i>	S/M	0	0	0
<i>Prorocentrum minimum</i>	S/M	40	80	0
<i>Protoceratium reticulatum</i>	S/M	0	0	0
<i>Protoperdinium crassipes</i>	S/M	0	0	0
FITOFLAGELADOS				
<i>Heterosigma akashiwo</i>	S/M	0	0	0

S/M: Sin Monitoreo

Fuente: Entidad de Apoyo ACUILAB S.A.



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Monitoreo de Fitoplancton Potencialmente Tóxico
Departamento de Ancash: Zona 018 Tamborero
Análisis Cuantitativo de Fitoplancton (N° cel/L)
5ta Semana



Semana: 30 de agosto al 05 de setiembre de 2015

ZONAS	018 TAMBORERO			
AREAS	LAS ZORRAS	GRAMADAL		
ESTACION	01 - A - TAM	02 - B - TAM		
PROFUNDIDAD (m)	....	....	....	....
TEMPERATURA (°C)	....	....	....	....
DIATOMEAS				
Grupo <i>Pseudo-nitzschia delicatissima</i>	S/M	S/M	S/M	S/M
Grupo <i>Pseudo-nitzschia seriata</i>	S/M	S/M	S/M	S/M
DINOFLAGELADOS				
<i>Alexandrium minutum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium monilatum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium ostenfeldii</i>	S/M	S/M	S/M	S/M
<i>Alexandrium peruvianum</i>	S/M	S/M	S/M	S/M
<i>Alexandrium</i> sp.	S/M	S/M	S/M	S/M
<i>Azadinium spinosum</i>	S/M	S/M	S/M	S/M
<i>Cochlodinium polykrikoides</i>	S/M	S/M	S/M	S/M
<i>Dinophysis acuminata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis caudata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis rotundata</i>	S/M	S/M	S/M	S/M
<i>Dinophysis tripos</i>	S/M	S/M	S/M	S/M
<i>Gonyaulax spinifera</i>	S/M	S/M	S/M	S/M
<i>Karenia</i> sp.	S/M	S/M	S/M	S/M
<i>Karlodinium</i> cf. <i>veneficum</i>	S/M	S/M	S/M	S/M
<i>Lingulodinium polyedrum</i>	S/M	S/M	S/M	S/M
<i>Prorocentrum lima</i>	S/M	S/M	S/M	S/M
<i>Prorocentrum minimum</i>	S/M	S/M	S/M	S/M
<i>Protoceratium reticulatum</i>	S/M	S/M	S/M	S/M
<i>Protoperdinium crassipes</i>	S/M	S/M	S/M	S/M
FITOFLAGELADOS				
<i>Heterosigma akashiwo</i>	S/M	S/M	S/M	S/M

S/M: Sin Monitoreo