

SoundToxins Phytoplankton Identification

2018

Date:	1/11/2018	1/25/2018	2/12/2018	2/28/2018	3/8/2018	3/15/2018	3/29/2018	4/13/2018	4/20/2018	4/26/2018	5/3/2018	5/8/2018	5/17/2018	5/22/2018	5/29/2018	6/4/2018	6/11/2018	6/19/2018	6/26/2018	7/2/2018	7/10/2018	7/17/2018
Sampler:	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	F. Perez	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	F. Perez	M. Taylor
HABs	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance
Pseudo-nitzschia	P			P					P					P		P	C	B	B	C	P	P
Alexandrium																						
Dinophysis		P																			P	
Heterosigma																						
DIATOMS (genus)	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance
Actinocyclus				P							P	P	P	P	P	P						
Asterionellopsis								P														
Asteromphalus																						
Bacillaria								P														
Bacteriastrium																						
Cerataulina																						
Chaetoceros	P	P		P	P	P		P	P	P	C	P	P		P	P				P		P
Corethron																						
Coscinodiscus	P		P	P	P	P		P	P	C	C			P	P	P		P	P	P	C	
Cylindrotheca									P													P
Dactyliosolen											P											P
Detonula																						
Ditylum																						
Eucampia																						C
Fragilaria								P														
Guinardia											P	P	P	P		P				P		
Hemiaulus																						
Lauderia																						
Leptocylindrus																						
Licomorpha																						
Melosira																						
Navicula	P					P			P													
Odontella																						
Paralia																						
Proboscia																						
Pleurosigma	P				P	P		P	P	P	P	P		P	P	P				P	P	P
Rhizosolenia				P		P		P	P	P	P	P		P	P	P			P	P	B	C
Skeletonema	P			P		P		P			P	P		P	P	P				P	P	P
Stephanopyxis												P										P
Striatella																						
Thalassionema		P		P				P	P		P	P										P
Thalassiosira				P	C	C		P	P	P	B	C			P	P						P
Tropidoneis																						P
DINOFAGELLATES	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance
Akashiwo																						
Amylax																						
Azadinium																						
Ceratium																P						P
Dissodinium																						
Ebria																						
Gonyaulax																						
Gymnodinium																						
Gyrodinium																						
Heterocapsa																						
Lingulodinium																						
Meringosphaera																						
Noctiluca								P				P	P	C	P	P			P	P		P
Oxyphysis																						
Polykrikos																						
Prorocentrum									P													
Prorocentrum																						
Protoperidinium								P	P					P		P			P	P	P	C
Scrippsiella									P													P
Unident. Centric Diatom																						
Unident. Pennate Diatom																						
Unident. Ciliate			P	P																		P
Unident. Dinoflag/Flag.		P	P			P		P	P													P
OTHER	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance
Dictyocha																						
Ebria				P																		
Phaeocystis																						
ZOOPLANKTON	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance
Brittle Star Larva																						
Cladoceran	P							P														
Copepod			P	P				P	P	P		P	P	P	P			P		P	P	P
Cyprid																						
Gastropod Veliger	P														P							
Larvacean										P					P							P
Nauplius					P	P		P	P	P	P	P	P	P							P	P
Polychaete Worm																						
Rotifer				P	P																	
Tintinnid									P													

KEY:

Present
Common
Bloom

7/23/2018	7/30/2018	8/6/2018	8/14/2018	8/20/2018	8/27/2018	9/4/2018	9/13/2018	9/18/2018	9/26/2018	10/3/2018	10/9/2018	10/17/2018	10/23/2018	11/2/2018	11/7/2018	11/19/2018	12/4/2018	SUM	% Presence
M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	M. Taylor	40	
Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance		
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				26	65.00
																		0	0.00
																		2	5.00
																		0	0.00
Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance		
			P	P	P	P	P	P	P			P	P		P			7	17.50
																		11	27.50
																		0	0.00
																		1	2.50
																		0	0.00
																		0	0.00
P	P	P	P	P	P	P	P	P	P	P	P	P	P					29	72.50
																		1	2.50
P	P	P	P	P	P	P	P	P	P	P	P	P	P					30	75.00
					P							P	P					5	12.50
P																		2	5.00
P			P	P	P	P	P	P								P	P	1	2.50
P	P		P	P	P							P	P		P	P	P	13	32.50
													P	P				10	25.00
																		1	2.50
														P				7	17.50
																		0	0.00
																		0	0.00
																		0	0.00
																		0	0.00
																		0	0.00
																		0	0.00
																		3	7.50
																		1	2.50
																		0	0.00
																		0	0.00
P				P				P		P					P	P		21	52.50
C	P	P	P	P	P			P		P			P				P	22	55.00
P	P	P	B	P	P	P	P	P	P	P	P	P	P	P				26	65.00
					P	P	P	P	P				P					9	22.50
																		0	0.00
			P	P	P	P	P	P	P	P	P	P	P		P			18	45.00
P	P	P	P	P	P	P	P	P				P	P			P		23	57.50
																		0	0.00
Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance		
																		0	0.00
																		0	0.00
																		0	0.00
P	P	P	P	P	P	P		P										10	25.00
																		0	0.00
																		0	0.00
																		0	0.00
																		0	0.00
																		0	0.00
																		0	0.00
P			P	P	P			P										14	35.00
																		0	0.00
																		1	2.50
																		0	0.00
P		P	P	P				P	P									17	42.50
																		2	5.00
																		0	0.00
																		0	0.00
																		0	0.00
				P	P			P	P	P	P							11	27.50
P					P			P	P									10	25.00
Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance		
																		0	0.00
																		1	2.50
																		0	0.00
Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance	Abundance		
																		0	0.00
P	P	P	P	P	P		P	P	P	P	P							24	60.00
																		0	0.00
																		2	5.00
P	P																	7	17.50
P	P	P	P	P						P	P							18	45.00
																		0	0.00
																		5	12.50
			P															6	15.00