

Appendix Table. Species composition and abundance of phytoplankton in St.1 and St.2 (Patong canal) during December 2022 to September 2023.

Taxa	Phytoplankton density (Cell per liter)									
	Dec-22		Feb-23		Apr-23		Jun-23		Sep-23	
	St.1	St.2	St.1	St.2	St.1	St.2	St.1	St.2	St.1	St.2
Class Cyanophyceae										
<i>Microcystis aeruginosa</i>			250	167	125	125	563	75	422	1563
<i>Geitlerinema sp.</i>					1000	9375	375	150	469	688
<i>Oscillatoria acuta</i>		63	625	1667		125				688
<i>Oscillatoria limnetica</i>	188	688								
<i>Oscillatoria princeps</i>	63	125								
<i>Oscillatoria tenuis</i>	563									
<i>Phormidium sp.</i>			4000	5667	3750	12500	2063	1350		
<i>Trichodesmium erythraeum</i>										63
<i>Tolypothrix sp.</i>				333						
<i>Cylindrospermopsis raciborskii</i>					125	250			94	313
<i>Raphidiopsis mediterranea</i>									1078	625
<i>Spirulina sp.</i>					125	250	438	75		
Class Chlorophyceae										
<i>Eudorina elegans</i>					250	250				
<i>Kirchneriella subsolitaria</i>			125							63
<i>Pediastrum duplex</i>	63									
<i>Pediastrum duplex</i>	63									
<i>Pediastrum simplex</i>			125							63
<i>Coelastrum cambricum</i>		63			375	375				188
<i>Dictyosphaerium sp.</i>			1250	1000						
<i>Actinastrum gracillimum</i>							125	300		63
<i>Comasiella arcuatus</i>							125			
<i>Scenedesmus quadricauda</i>							125	63		63
<i>Scenedesmus bijugatus</i>								63		
<i>Ulothrix zonata</i>	63		875							125
<i>Geminella mutabilis</i>							125			313
<i>Spondylomorom quarternarium</i>							63			
<i>Tetradesmus dimorphus</i>					375	625				
<i>Cosmarium sp.</i>	63									
Class Euglenophyceae										
<i>Euglena sp.</i>					375	125		75		125
<i>Euglena acus</i>										63
<i>Euglena fusca</i>	188									
<i>Lepocinelis ovum</i>					500					
<i>Phacus anomalus</i>							63	75		
<i>Phacus curvicauda</i>	125		250							
<i>Phacus ranula</i>					375	500				
<i>Phacus pleuronectes</i>	63									
<i>Phacus tortus</i>					125					
<i>Mougeotia sp.</i>										63
Class Bacillariophyceae										
<i>Cyclotella sp.</i>			125	500						
<i>Thalassiosira frauenfeldii</i>									94	63
<i>Chaetoceros socialis</i>					125	8625				
<i>Bacteriastrum hyalinum</i>										
<i>Synedra acus</i>		63								
<i>Pleurosigma sp.</i>				167		125				
<i>Navicula sp.</i>			250						141	188
<i>Lyrella lyra</i>				167						
<i>Entomoneis ornata</i>						125				
Class Dinophyceae										
<i>Peridinium quinquecorne</i>		63		500	125	375			94	
Total (Cell per litre)	1379	1065	7875	10168	7750	34000	4066	2100	2392	5320

