REPUBLIC OF NAMIBIA

MINISTRY OF FISHERIES AND MARINE RESOURCES

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Namibia

Namibian Shellfish Sanitation Program

Sampling area: Aquapark 4

Sampling date: 2022-02-07

Report Date: 2024-10-29

Report Author: Johnathan Evanilla

To do

Forecast section

map with colors or symbols

indicate action thresholds on bar plot

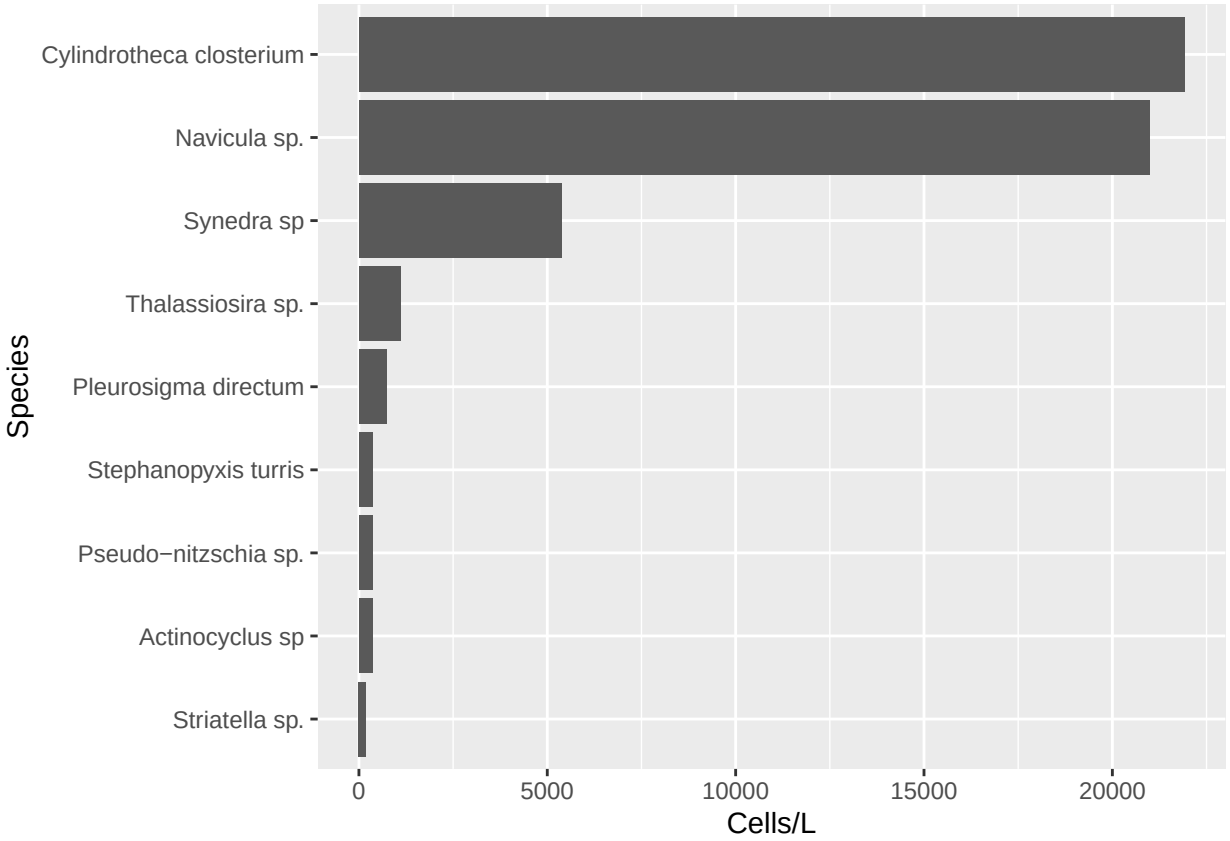
Phytoplankton Summary

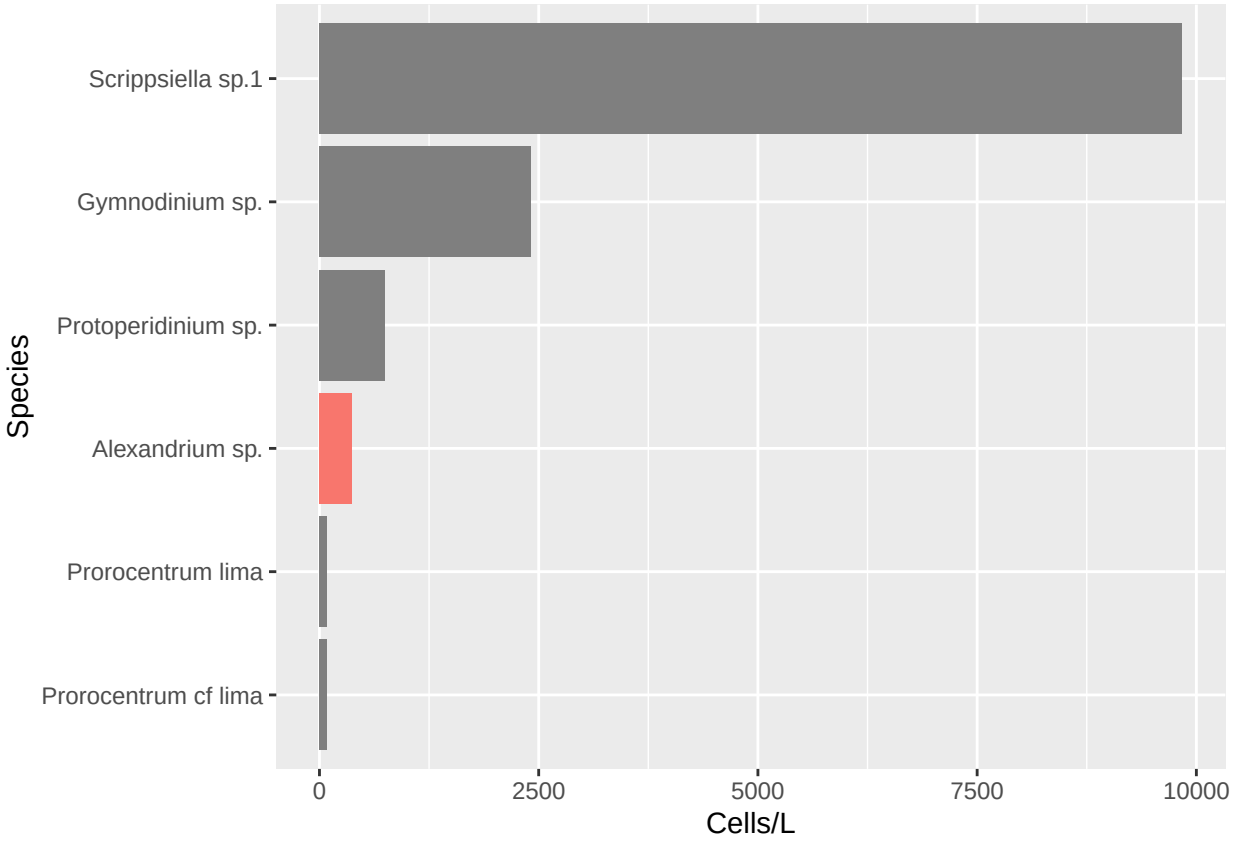
Table 1: Diatoms

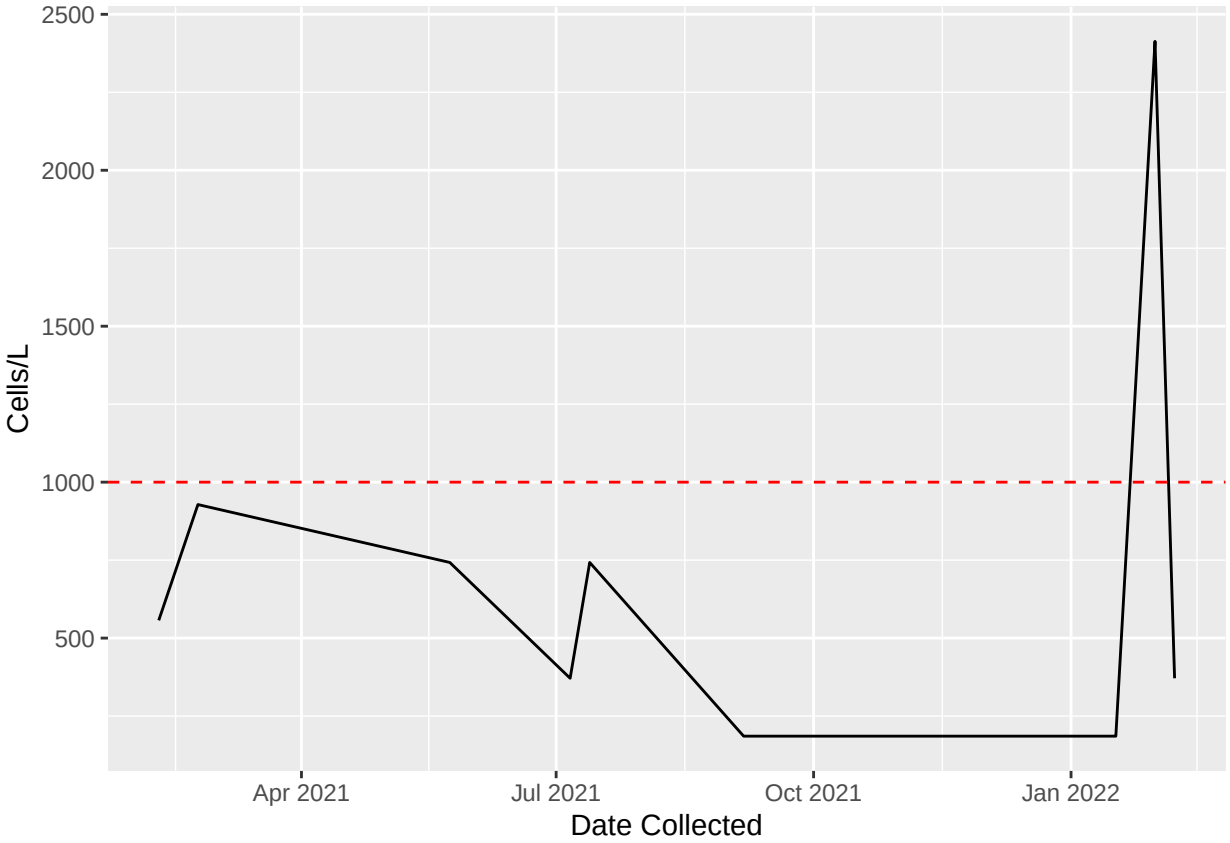
Species	Potential Toxin	Cells/L	Threshold Alert
Cylindrotheca closterium		21905	
Navicula sp.		20977	
Synedra sp		5384	
Thalassiosira sp.		1114	
Pleurosigma directum		743	
Actinocyclus sp		371	
Pseudo-nitzschia sp.	ASP	371	
Stephanopyxis turris		371	
Striatella sp.		186	
	Total Cells/L =	51422	

Table 2: Dinoflagellates

Species	Potential Toxin	Cells/L	Threshold Alert
Scrippsiella sp.1		9839	
Gymnodinium sp.		2413	
Protoperidinium sp.		743	
Alexandrium sp.	PSP	371	THRESHOLD EXCEEDED
Prorocentrum cf lima		80	
Prorocentrum lima	DSP	80	
	Total Cells/L =	13526	


Cylindrotheca closterium
Navicula sp.
Synedra sp
Thalassiosira sp.
Pleurosigma directum
Stephanopyxis turris
Pseudo−nitzschia sp.
Actinocyclus sp
Striatella sp.
Species
0
5000
10000
15000
20000
Cells/L


Scrippsiella sp.1
Gymnodinium sp.
Protoperidinium sp.
Alexandrium sp.
Prorocentrum lima
Prorocentrum cf lima
Species
0
2500
5000
7500
10000
Cells/L


2500
2000
1500
1000
500
Cells/L
Apr 2021
Jul 2021
Oct 2021
Jan 2022
Date Collected

Environment

name	value
Dissolved Oxygen (mg/L)	2.57
Saturation (%)	28.00
PH (mol/L)	7.34
Temperature (°C)	19.40
Salinity (PSU)	36.80
TDS (ppm)	35.30
Conductivity (S/m)	55.50
Resistivity (O m)	18.00
Depth (m) sampled	0.50

Nutrient

name	value
Nitrate	0.48378
Phosphate	12.63480
Silicate	57.83360

Forecast

Please note: Some of the phytoplankton from the genera Dinophysis and Pseudo-nitzschia can potentially produce biotoxins. The biotoxin produced by the particular species is indicated in the "Potential Toxin" column, however this does not mean that the toxin is present. Only biotoxin tests can confirm the presence or absence of toxin.