



PEARSON COLLEGE



COASTAL BIODIVERSITY

PLANKTON GUIDE

By Jerry Jiang (Year 45, China)

Supervisor: Laura Verhegge

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1 Plankton Photo



Figure 1: Obelia

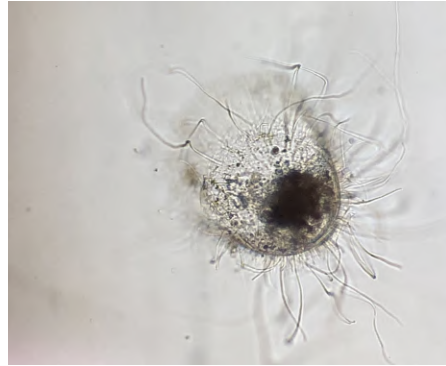


Figure 2: Obelia



Figure 3: Barnacle Exoskeleton



Figure 4: Rathkea

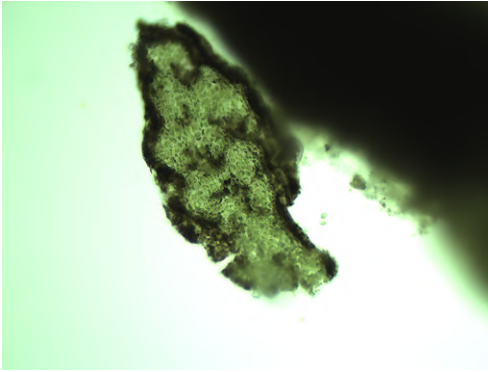


Figure 5: Sea Lettuce

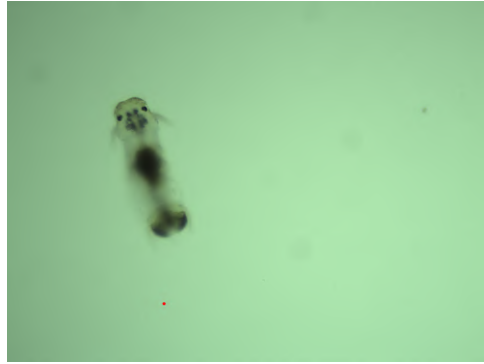


Figure 6: Polychaete Worm

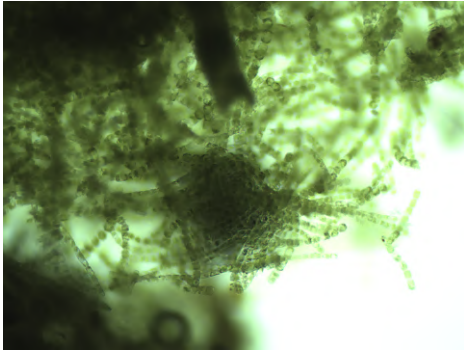


Figure 7: Green Algae

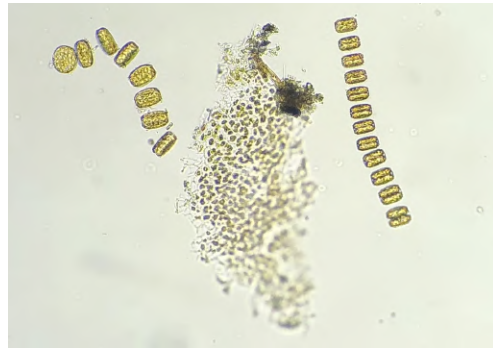


Figure 8: Thalassiosira and Microcystis

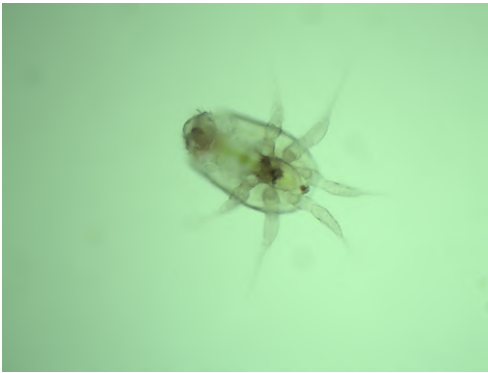


Figure 9: Crustacean Nauplius



Figure 10: Copepod

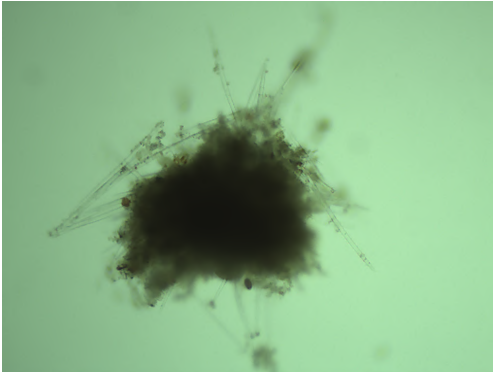


Figure 11: Body of a Sponge

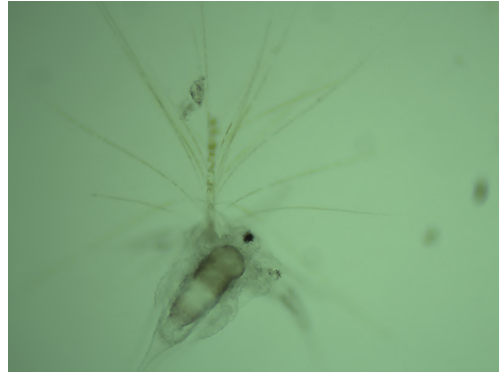


Figure 12: Barnacle with Ciliate

2 Census Data

Special Thanks to Chloe Molou (Year 44, Vanuatu) for part of the census data collection.

Temperature and Salinity

Jan 25, 2019

Spot	Temperature(°C)	Salinity(PSU)
Kayak Dock	8.5	29.4
Long Dock	8.8	29.8
Back of EngA Room	9.1	32.2

Feb 1, 2019

Spot	Temperature(°C)	Salinity(PSU)
Kayak Dock	8.7	29.3
Long Dock	8.7	29.4
Back of EngA Room	9.0	28.6

Jan 25, 2019

Spot	Temperature(°C)	Salinity(PSU)
Kayak Dock	6.6	29.8
Long Dock	7.0	29.9
Back of EngA Room	6.9	29.8

Jan 25, 2019

Spot	Temperature(°C)	Salinity(PSU)
Kayak Dock	7.7	30.3
Long Dock	7.7	30.4
Back of EngA Room	7.7	30.4

Plankton Diversity Data

Abbreviations for planktons

Name	Abb.
Ciliates	CIL
Crustacean Nauplii	CRN
Rotifer	ROT
Barnacle Nauplii	BAN
Chaetoceros	CHI
Coscinodiscus	COS
Copepod	COP
Microcystis	MIC

Name	Abb.
Radiococcus	RAD
Planktonicus	
Triceratium	TRI
Green Algae	GRA
Sea Lattice	SEL
Polychaete Worm	POW
Rathkea	RAK
Obelia	OBE

Jan 25, 2019

Spot	CRN	ROT	BAN	COS	MIC	RAD	TRI
Kayak Dock	6	2	6				3
Long Dock	16		16	6	3		
Back of EngA Room	25	1	14	9	6	2	

Feb 1, 2019

Spot	CIL	CRN	ROT	BAN	CHI	COS	COP
Kayak Dock	1	4	1			1	
Long Dock	9	7	1	7	8		
Back of EngA Room	7	20	2				1

Feb 15, 2019

Spot	CIL	CRN	ROT	CHI	COS	COP	GRA	SEL	POW
Kayak Dock	1	4		1			1	1	
Long Dock		4			1		1		1
Back of EngA Room		6	1		2	1	1		

Mar 1, 2019

Spot	CRN	BAN	COP	RAK	OBE
Kayak Dock	39	3	1		3
Long Dock	11	4		1	
Back of EngA Room	5	7	2		