

FLOW Plankton Monitoring Program Report

Time	10:00 AM
Date	5-Dec-14
Collectors	Jerry
Location	Inlet
Tide	High
Weather/Wind	Overcast, 2 mph N
Water T (deg C)	19.5
Salinity	36
pH	8
Ammonia	0.1
Phosphates	0.25
Nitrates	0.25
DCDPH Bottle #	

Plankton Observed in Sample

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
Diatoms	Asterionella	L
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	
	Coscinodiscus	L
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans
Protooperidinium
Scrippsiella

Silicaflagellate Dictyocha

Other

Summary

Water Conditions (T, S, pH and nutrients) were within expected ranges?

Other:

Yes/No

Yes

FLOW Plankton Monitoring Program Report

Time 10:00 AM
Date 5-Dec-14
Collectors JR
Location Wetlands
Tide Incoming
Weather/Wind Overcast
Water T (deg C) 64 F
Salinity 30
pH 8
Ammonia 1
Phosphates 0.25
Nitrates 0
DCDPH Bottle #

Plankton Observed in Sample

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
Diatoms	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	
	Coscinodiscus	L
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	L
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans
Protooperidinium
Scrippsiella

Silicaflagellate Dictyocha

Other

Summary

Water Conditions (T, S, pH and nutrients) were within expected ranges?

Other:

Yes/No

Yes

FLOW Plankton Monitoring Program Report

Time 1:50
Date 12-Dec-14
Collectors Jim, Terry
Location Inlet
Tide Outgoing
Weather/Wind sk Onshore wind, Partly Cloudy
Water T (deg C) 17
Salinity 32
pH 8
Ammonia 0
Phosphates 0.25
Nitrates 0
DCDPH Bottle #

Plankton Observed in Sample

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
Diatoms	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	L
	Coscinodiscus	
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	L
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	L
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans
Protopteridinium
Scrippsiella

H

Silicaflagellate Dictyocha

Other Rain 0400 - 0800 Zooplankton, copepod (dead)

Summary

Water Conditions (T, S, pH and nutrients) were within expected ranges?

Yes/No

Yes

Other:

FLOW Plankton Monitoring Program Report

Time	2:00 PM
Date	12-Dec-14
Collectors	Jerry
Location	Footbridge
Tide	H
Weather/Wind	Clear (after rain)/ 10 mph W
Water T (deg C)	12
Salinity	18 (after rain)
pH	7.8
Ammonia	0.25
Phosphates	0.25
Nitrates	0
DCDPH Bottle #	

Plankton Observed in Sample

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
Diatoms	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	
	Coscinodiscus	
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	
	Skeletonema	
	Thalassiosira	
	Thalassionema	
	Thalassionthrix	
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans
Proto-peridinium
Scrippsiella

Silicaflagellate Dictyocha

Other Round worm

Summary

Water Conditions (T, S, pH and nutrients) were within expected ranges?

Yes/No

No

Other:

Heavy rain last night & early morning

FLOW Plankton Monitoring Program Report

Time	10:00 AM
Date	19-Dec-14
Collectors	Jim, Terry
Location	Inlet
Tide	Outgoing
Weather/Wind	Calm, Clear
Water T (deg C)	18
Salinity	31
pH	
Ammonia	
Phosphates	
Nitrates	
DCDPH Bottle #	4876

Plankton Observed in Sample

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
Diatoms	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	
	Coscinodiscus	
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	
	Skeletonema	
	Thalassiosira	
	Thalassionema	
	Thalassionthrix	
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans
Protooperidinium
Scrippsiella

Silicaflagellate Dictyocha

Other

Summary

Water Conditions (T, S, pH and nutrients) were within expected ranges?

Other:

Yes/No

Yes

FLOW Plankton Monitoring Program Report

Time 1400
Date 26-Dec-14
Collectors Jim, Jennifer
Location Inlet
Tide Outgoing
Weather/Wind Clear
Water T (deg C) 15
Salinity 31
pH
Ammonia
Phosphates
Nitrates
DCDPH Bottle #

Plankton Observed in Sample

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
Diatoms	Asterionella	H
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	H
	Coscinodiscus	
	Ditylum	L
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	L
	Nitzschia	
	Odontella	
	Pleurosigma	L
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	L
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans L
Protooperidinium L
Scrippsiella

Silicaflagellate Dictyocha

Other Radiolara, tintined

Summary

Water Conditions (T, S, pH and nutrients) were within expected ranges?

Yes/No

Yes

Other: