

FLOW Plankton Monitoring Program Report

Time 2:00 PM
Date 4-Dec-15
Collectors Abby, Angelica, Michelle
Location Inlet
Tide Low, incoming
Weather/Wind 2 mph
Water T (deg C) 14
Salinity 34
pH 8
Ammonia 0
Phosphates 0
Nitrates 0
CDPH Bottle # 0047

Plankton Observed in Sample

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>	5 Dec ?
Diatoms	Asterionella		
	Astemphalus		
	Bacteriastrium		L
	Chaetoceros	H (Bloom)	L
	Coscinodiscus	L	
	Ditylum		
	Eucampia		
	Ginardia striata		L
	Hemiaulus		
	Lauderia	L	L
	Leptocylindrus	L	
	Licmophora		
	Lithodesmium		
	Melosira		
	Navicula		
	Nitzschia	L	
	Odontella		
	Pleurosigma	H	
	Pseudonitzschia		
	Rhizosolenia		
Skeletonema			
Thalassiosira	L		
Thalassionema			
Thalassionthrix			
Dinoflagellates	Akashiwo		
	Alexandrium		
	Ceratium furca		
	Ceratium fusus		
	Ceratium lineatum		
	Ceratium macroceros		L
	Cochlodinium		
	Dinophysis		

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans L
Protoperidinium L
Scrippsiella

Silicaflagellate Dictyocha

Other

Summary

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

Yes/No

Yes

Other:

FLOW Plankton Monitoring Program Report

Time
Date 11-Dec-15
Collectors Jerry, Angelica, Sandy, Abby
Location Inlet
Tide Low, outgoing
Weather/Wind Sunny, 15 mph (Gusts to 32), Rained in morning
Water T (deg C) 16
Salinity 32
pH 8
Ammonia 0.25
Phosphates 0.25
Nitrates 0
CDPH Bottle # n/a

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	L
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	
	Ceratium fusus	L
	Ceratium lineatum	L
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans
Protooperidinium
Scrippsiella

L

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 9:58 AM
Date 18-Dec-15
Collectors Jim, Terry, Jerry, Abby, Loie, Angelica
Location Inlet
Tide Low
Weather/Wind Sunny, Calm
Water T (deg C) 12
Salinity 38
pH 8.1
Ammonia 0.1
Phosphates 0.25
Nitrates 0
CDPH Bottle # 6165

Plankton Observed in Sample

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

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans
Protooperidinium
Scrippsiella

L

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 9:38 AM
Date 19-Dec-15
Collectors Veronica Amezola, Fernanden Lopez, Mr Pfeifer, Catrina Javaira, Stephanie Maturino
Location Wetlands
Tide Low, outgoing
Weather/Wind Sunny, 56 deg F, 1-3 mph breeze
Water T (deg C) 11
Salinity 32
pH
Ammonia
Phosphates
Nitrates
CDPH Bottle #

Plankton Observed in Sample No microscopy
Species/genera/groups **Est. Relative Abundance (Low, High)**

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

FLOW Plankton Monitoring Program Report

Time 2:00 PM
Date 24-Dec-15
Collectors Jim, Jerry
Location Inlet
Tide Outgoing, strong
Weather/Wind Sunny, 15 mph W
Water T (deg C) 14
Salinity 33
pH 8
Ammonia 0
Phosphates 0
Nitrates 0
CDPH Bottle # 03648

Plankton Observed in Sample

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
Diatoms	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	L
	Coscinodiscus	
	Ditylum	L
	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	H
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans
Protooperidinium
Scrippsiella

L

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 1:53 PM
Date 24-Dec-15
Collectors Loie, Abby
Location Wetlands
Tide Outgoing
Weather/Wind 5 mph
Water T (deg C) 13
Salinity 29
pH 8
Ammonia < .25
Phosphates 0
Nitrates 0
CDPH Bottle #

Plankton Observed in Sample No microscopy
Species/genera/groups Est. Relative Abundance (Low, High)

- 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