

FLOW Plankton Monitoring Program Report

Time 10:00 AM
Date 1-Apr-16
Collectors Curtis, Loie
Location Inlet
Tide High, Ebb, Out
Weather/Wind 5 k, S
Water T (deg C) 16
Salinity 38
pH 8
Ammonia 0
Phosphates 0.25
Nitrates 0
CDPH Bottle # 6180

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	
	Eucampia	
	Ginardia striata	H
	Hemiaulus	
	Lauderia	
	Leptocylindrus	L
	Licmophora	
	Lithodesmium	
	Melosira	L
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	L
	Rhizosolenia	L
Skeletonema		
Thalassiosira		
Thalassionema	L	
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	L
	Ceratium fusus	
	Ceratium lineatum	L
	Ceratium macroceros	
	Cochlodinium	
Dinophysis	L	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans L
Protooperidinium 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 10:36 AM
Date 1-Apr-16
Collectors Valerie, Terry
Location Footbridge
Tide
Weather/Wind Clear, Breeze from S
Water T (deg C) 15
Salinity 33
pH 8
Ammonia 0.25
Phosphates 0.25
Nitrates 0
CDPH 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	L
	Nitzschia	H
	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

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	2:00 PM
Date	8-Apr-16
Collectors	Michelle,Loie, Jerry
Location	Inlet
Tide	Outgoing, strong
Weather/Wind	Overcast, 5 mph, W
Water T (deg C)	14
Salinity	33
pH	7.8
Ammonia	0
Phosphates	0.25
Nitrates	0
CDPH Bottle #	4975

Plankton Observed in Sample

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

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 1:55 AM
Date 8-Apr-16
Collectors Nancy, Terry
Location Footbridge
Tide Outgoing
Weather/Wind Overcast, 10 mph, S
Water T (deg C) 16
Salinity 33
pH 8
Ammonia 0.25
Phosphates 0.25
Nitrates 0
CDPH 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	L
	Nitzschia	H
	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
Proto-peridinium
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 10:05 AM
Date 15-Apr-16
Collectors Nancy C., Weston W.
Location Inlet
Tide Outgoing
Weather/Wind 20 C, 5mph W
Water T (deg C) 16
Salinity 39
pH 8
Ammonia 0
Phosphates 0
Nitrates 0
CDPH Bottle # 6114

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	L	
Thalassionema		
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	H
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans H
Protooperidinium L
Scrippsiella

Silicaflagellate Dictyocha L

Other No Blooms

Summary

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

Yes/No

Yes

Other:

FLOW Plankton Monitoring Program Report

Time	10:00 AM
Date	15-Apr-16
Collectors	Loie, Terry, Judy
Location	Footbridge
Tide	H
Weather/Wind	Warm, 0-5 mph
Water T (deg C)	18
Salinity	33
pH	8
Ammonia	0.25
Phosphates	0.25
Nitrates	0
CDPH 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	HH
	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

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	1:52 AM
Date	22-Apr-16
Collectors	Jerry & Terry
Location	Inlet
Tide	Outgoing
Weather/Wind	Clear, Brisk winf from W
Water T (deg C)	16
Salinity	35
pH	8.2
Ammonia	0
Phosphates	0.25
Nitrates	0
CDPH Bottle #	4980

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	L	
Thalassionema		
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	H
	Ceratium fusus	
	Ceratium lineatum	H
	Ceratium macroceros	
	Cochlodinium	
Dinophysis	H	

Gonyalax
Lingoludinium
Noctiluca
Oxytoxum
Prorocentrum micans H
Protooperidinium 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 2:00 PM
Date 22-Apr-16
Collectors Loie
Location Footbridge
Tide Low
Weather/Wind Sunny, Windy
Water T (deg C) 20
Salinity 38
pH 8.1
Ammonia 0
Phosphates 0.25
Nitrates 0
CDPH 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	H
	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	10:00 AM
Date	29-Apr-16
Collectors	Jerry, Julia
Location	Inlet
Tide	Outgoing
Weather/Wind	Partly Cloudy, 3 mph, S
Water T (deg C)	18
Salinity	34
pH	8.2
Ammonia	0
Phosphates	0.25
Nitrates	0
CDPH Bottle #	3948

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	L
	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	10:05 AM
Date	29-Apr-16
Collectors	Nancy, Terry
Location	Footbridge
Tide	Low, Outgoing
Weather/Wind	SW 8 knots
Water T (deg C)	16
Salinity	40
pH	8.2
Ammonia	0
Phosphates	0
Nitrates	0
CDPH 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	HH
	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