

**FLOW Plankton Monitoring Program Report**

**Time** 10:30 AM  
**Date** 5-Feb-16  
**Collectors** Jim, Nancy  
**Location** Inlet  
**Tide** outgoing, strong  
**Weather/Wind** West, 5 mph  
**Water T (deg C)** 12  
**Salinity** 39  
**pH** 8  
**Ammonia** 0  
**Phosphates** 0  
**Nitrates** 0  
**CDPH Bottle #** 6126

**Plankton Observed in Sample**

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
<b>Diatoms</b>	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	
	Coscinodiscus	Very High
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	L
	Licmophora	L
	Lithodesmium	
	Melosira	L
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
<b>Dinoflagellates</b>	Akashiwo	
	Alexandrium	
	Ceratium furca	Very High
	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** 10:15 AM  
**Date** 5-Feb-16  
**Collectors** Terry  
**Location** Footbridge  
**Tide** Outgoing  
**Weather/Wind** Sunny, lt breeze  
**Water T (deg C)** 12  
**Salinity** 32  
**pH** 8.1  
**Ammonia** 0.25  
**Phosphates** 0  
**Nitrates** 0  
**CDPH Bottle #**

**Plankton Observed in Sample**

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
<b>Diatoms</b>	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	L
	Coscinodiscus	
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
<b>Dinoflagellates</b>	Akashiwo	
	Alexandrium	
	Ceratium furca	L
	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** 9:00 AM  
**Date** 12-Feb-16  
**Collectors** Jerry  
**Location** Inlet  
**Tide** Incoming  
**Weather/Wind**  
**Water T (deg C)** 14  
**Salinity** 33  
**pH** 8  
**Ammonia** 0.25  
**Phosphates** 0  
**Nitrates** 0  
**CDPH Bottle #** 6057

**Plankton Observed in Sample**

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

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** 12-Feb-16  
**Collectors**  
**Location** Footbridge  
**Tide**  
**Weather/Wind**  
**Water T (deg C)** 13  
**Salinity** 32  
**pH**  
**Ammonia**  
**Phosphates**  
**Nitrates**  
**CDPH Bottle #**

**Plankton Observed in Sample**

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
<b>Diatoms</b>	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	
	Coscinodiscus	
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	H
	Odontella	
	Pleurosigma	H
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
<b>Dinoflagellates</b>	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**

<b>Time</b>	9:57 AM
<b>Date</b>	19-Feb-16
<b>Collectors</b>	Weston, Michelle, Jerry
<b>Location</b>	Inlet
<b>Tide</b>	Outgoing, strong
<b>Weather/Wind</b>	Sunny, light onshore
<b>Water T (deg C)</b>	14
<b>Salinity</b>	32
<b>pH</b>	7.9
<b>Ammonia</b>	0.15
<b>Phosphates</b>	0.15
<b>Nitrates</b>	5
<b>CDPH Bottle #</b>	N/A

**Plankton Observed in Sample**

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
<b>Diatoms</b>	<b>Asterionella</b>	L
	<b>Astemphalus</b>	
	<b>Bacteriastrum</b>	
	<b>Chaetoceros</b>	H
	<b>Coscinodiscus</b>	
	<b>Ditylum</b>	L
	<b>Eucampia</b>	
	<b>Ginardia striata</b>	
	<b>Hemiaulus</b>	L
	<b>Lauderia</b>	
	<b>Leptocylindrus</b>	L
	<b>Licmophora</b>	
	<b>Lithodesmium</b>	
	<b>Melosira</b>	
	<b>Navicula</b>	
	<b>Nitzschia</b>	
	<b>Odontella</b>	
	<b>Pleurosigma</b>	
	<b>Pseudonitzschia</b>	L
	<b>Rhizosolenia</b>	
<b>Skeletonema</b>		
<b>Thalassiosira</b>	L	
<b>Thalassionema</b>		
<b>Thalassionthrix</b>		
<b>Dinoflagellates</b>	<b>Akashiwo</b>	
	<b>Alexandrium</b>	
	<b>Ceratium furca</b>	L
	<b>Ceratium fusus</b>	
	<b>Ceratium lineatum</b>	
	<b>Ceratium macroceros</b>	
	<b>Cochlodinium</b>	
<b>Dinophysis</b>	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** 9:45 AM  
**Date** 19-Feb-16  
**Collectors** Terry, Loie, Judy  
**Location** Footbridge  
**Tide** High, Outgoing  
**Weather/Wind** Clear, Lt Breeze  
**Water T (deg C)** 14  
**Salinity** 30  
**pH** 7.8  
**Ammonia** <.25  
**Phosphates** 0  
**Nitrates** 0  
**CDPH Bottle #**

**Plankton Observed in Sample**

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
<b>Diatoms</b>	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	L
	Coscinodiscus	
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	L
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	L
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
<b>Dinoflagellates</b>	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** 1:46 PM  
**Date** 26-Feb-16  
**Collectors** Loie, Angelica  
**Location** Inlet  
**Tide** Low, outgoing  
**Weather/Wind** Sunny, lt cloud cover, 6 mph  
**Water T (deg C)** 14  
**Salinity** 33  
**pH** 8.2  
**Ammonia** 0  
**Phosphates** 0.25  
**Nitrates** 0  
**CDPH Bottle #** 04981

**Plankton Observed in Sample**

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

Gonyalax  
Lingoludinium  
Noctiluca  
Oxytoxum  
Prorocentrum micans  
Protooperidinium  
Scrippsiella

H

Silicaflagellate Dictyocha

Other

Diatom?

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** 26-Feb-16  
**Collectors** Terry  
**Location** Foorbridge  
**Tide** High, outgoing  
**Weather/Wind** Clear, Lt breeze from west  
**Water T (deg C)** 19  
**Salinity** 34  
**pH** 8.2  
**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>
<b>Diatoms</b>	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	
	Coscinodiscus	
	Ditylum	
	Eucampia	
	Ginardia striata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	L
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
<b>Dinoflagellates</b>	Akashiwo	
	Alexandrium	
	Ceratium furca	
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

**Gonyalax**  
**Lingoludinium**  
**Noctiluca**  
**Oxytoxum**  
**Prorocentrum micans**  
**Protoperidinium**  
**Scrippsiella**

**Silicaflagellate**   **Dictyocha**

**Other**

**Summary**

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

**Other:**

**Yes/No**