

**FLOW Plankton Monitoring Program Report**

**Time** 1:54 PM  
**Date** 2-May-14  
**Collectors** Dennis, Angelica  
**Location** Inlet  
**Tide** Incoming  
**Weather/Wind** Sunnigh, Light wind  
**Water T (deg C)** 19  
**Salinity** 33  
**pH** 8  
**Ammonia** 0.25  
**Phosphates** 0.12  
**Nitrates** 0  
**DCDPH Bottle #** 4915

**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>	L
	<b>Coscinodiscus</b>	L
	<b>Ditylum</b>	
	<b>Eucampia</b>	
	<b>Ginardia stiata</b>	
	<b>Hemiaulus</b>	
	<b>Lauderia</b>	
	<b>Leptocylindrus</b>	
	<b>Licmophora</b>	
	<b>Lithodesmium</b>	
	<b>Melosira</b>	
	<b>Navicula</b>	L
	<b>Nitzschia</b>	L
	<b>Odontella</b>	
	<b>Pleurosigma</b>	
	<b>Pseudonitzschia</b>	
	<b>Rhizosolenia</b>	
<b>Skeletonema</b>		
<b>Thalassiosira</b>		
<b>Thalassionema</b>		
<b>Thalassionthrix</b>		
<b>Dinoflagellates</b>	<b>Akashiwo</b>	
	<b>Alexandrium</b>	
	<b>Ceratium furca</b>	
	<b>Ceratium fusus</b>	
	<b>Ceratium lineatum</b>	
	<b>Ceratium macroceros</b>	
	<b>Cochlodinium</b>	
	<b>Dinophysis</b>	

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** 2-May-14  
**Collectors** Terry, Jerry  
**Location** Wetlands  
**Tide** H  
**Weather/Wind** Sunny, 3 mph West  
**Water T (deg C)** 25  
**Salinity** 35  
**pH** 7.4  
**Ammonia** 0.25  
**Phosphates** 0  
**Nitrates** 0  
**DCDPH 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 stitata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	L
	Nitzschia	H
	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  
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** 8:00 AM  
**Date** 9-May-14  
**Collectors** Dennis  
**Location** Inlet  
**Tide** Outgoing  
**Weather/Wind** Sunny, Calm  
**Water T (deg C)** 18  
**Salinity** 32  
**pH**  
**Ammonia**  
**Phosphates**  
**Nitrates**  
**DCDPH Bottle #** 5033

**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 stiata	L
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	L
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	L
	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 L  
Protoperidinium L  
Scrippsiella

Silicaflagellate Dictyocha

Other

Summary

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

Other:

Yes/No

Not measured

**FLOW Plankton Monitoring Program Report**

**Time** 10:00 AM  
**Date** 9-May-14  
**Collectors** Jerry  
**Location** Wetlands  
**Tide** H  
**Weather/Wind** Sunny, 5 mph W  
**Water T (deg C)** 21  
**Salinity** 35  
**pH**  
**Ammonia**  
**Phosphates**  
**Nitrates**  
**DCDPH 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	L
	Ditylum	
	Eucampia	
	Ginardia stiata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	L
	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 L  
Protoperidinium L  
Scrippsiella

Silicaflagellate Dictyocha

Other

Summary

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

Other:

Yes/No

Not measured



**FLOW Plankton Monitoring Program Report**

**Time** 2:02 PM  
**Date** 16-May-14  
**Collectors** Allan, Dennis  
**Location** Inlet  
**Tide** High  
**Weather/Wind** 10 mph, North  
**Water T (deg C)** 23  
**Salinity** 33  
**pH** 7.8  
**Ammonia** 0.15  
**Phosphates** 0.1  
**Nitrates** 0  
**DCDPH Bottle #** 4875

**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	
	Eucampia	
	Ginardia stiata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	L
	Rhizosolenia	
Skeletonema	L	
Thalassiosira		
Thalassionema		
Thalassionthrix		
<b>Dinoflagellates</b>	Akashiwo	
	Alexandrium	
	Ceratium furca	L
	Ceratium fusus	L
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

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** 2:00 PM  
**Date** 16-May-14  
**Collectors** Jerry  
**Location** Wetlands  
**Tide** High  
**Weather/Wind** Sunny, 3 mph West  
**Water T (deg C)** 23  
**Salinity** 30  
**pH** 7.9  
**Ammonia** 0  
**Phosphates** 0.15  
**Nitrates** 0  
**DCDPH 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 stiata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	L
	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** 10:10  
**Date** 23-May-14  
**Collectors** Dennis, Judy  
**Location** Inlet  
**Tide** Low, outgoing  
**Weather/Wind** Overcast, breezy  
**Water T (deg C)** 20  
**Salinity** 33  
**pH** 8  
**Ammonia** 0  
**Phosphates** 0  
**Nitrates** 0.25  
**DCDPH Bottle #** 6051

**Plankton Observed in Sample**

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
Diatoms	Asterionella	L
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	L
	Coscinodiscus	
	Ditylum	
	Eucampia	
	Ginardia stiata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	
	Rhizosolenia	L
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** 10:00 AM  
**Date** 23-May-14  
**Collectors** Terry, Jerry  
**Location** Wetlands  
**Tide** High  
**Weather/Wind** Overcast, 5 mph West  
**Water T (deg C)** 23  
**Salinity** 33  
**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 stiata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	L
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	L
	Rhizosolenia	
Skeletonema		
Thalassiosira	L	
Thalassionema		
Thalassionthrix		
Dinoflagellates	Akashiwo	
	Alexandrium	
	Ceratium furca	
	Ceratium fusus	L
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax  
Lingoludinium  
Noctiluca  
Oxytoxum  
Prorocentrum micans  
Proto-peridinium  
Scrippsiella

Silicaflagellate Dictyocha

Other Unidentified L

**Summary**

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

**Yes/No**

Yes

Other:



**FLOW Plankton Monitoring Program Report**

**Time** 2:15 om  
**Date** 30-May-14  
**Collectors** Dennis  
**Location** Inlet  
**Tide** Outgoing  
**Weather/Wind** Sunny & Breezy  
**Water T (deg C)** 24  
**Salinity** 32  
**pH** 8.1  
**Ammonia** 0.5  
**Phosphates** 0.12  
**Nitrates** 0  
**DCDPH Bottle #** 10032

**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 stiata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	L
	Pseudonitzschia	L
	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

L

Silicaflagellate Dictyocha

Other

Summary Sparse Findings

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

Yes/No

Yes

Other:

## FLOW Plankton Monitoring Program Report

Time	1410
Date	30-May-14
Collectors	Jim
Location	Wetlands
Tide	
Weather/Wind	
Water T (deg C)	25
Salinity	33
pH	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 stiata	
	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**                Nothing found except a few Zooplankton

**Summary**

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

**Other:**

**Yes/No**

Yes