

**FLOW Plankton Monitoring Program Report**

**Time** 2:10 PM  
**Date** 4/5/2014  
**Collectors** Judy, Dennis  
**Location** Tidal Inlet  
**Tide** Incoming  
**Weather/Wind** Sunny, Breezy, 15 MPH  
**Water T (deg C)** 17 C  
**Salinity** 35  
**pH** 8.2  
**Ammonia** 0.25  
**Phosphates** 0.25  
**Nitrates** 0.1  
**DCDPH Bottle #** 6032

**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	L
	Licmophora	
	Lithodesmium	L
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	H
	Rhizosolenia	
Skeletonema	L	
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>	2:10 PM
<b>Date</b>	4/5/2014
<b>Collectors</b>	Terry, Allen Arthur
<b>Location</b>	Wetlands
<b>Tide</b>	Incoming Near High
<b>Weather/Wind</b>	5 MPH from West
<b>Water T (deg C)</b>	20
<b>Salinity</b>	33
<b>pH</b>	8.2
<b>Ammonia</b>	0.5
<b>Phosphates</b>	0
<b>Nitrates</b>	0
<b>DCDPH Bottle #</b>	none

### 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 stciata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	L
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzchia	
	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 AM  
**Date** 4/11/2014  
**Collectors** Dennis  
**Location** Tidal Inlet  
**Tide** Outgoing  
**Weather/Wind** Sunny, mild  
**Water T (deg C)** 16  
**Salinity** 33  
**pH** 8  
**Ammonia** 0.5  
**Phosphates** 0.13  
**Nitrates** 0  
**DCDPH Bottle #** 5093

**Plankton Observed in Sample**

	<u>Species/genera/groups</u>	<u>Est. Relative Abundance (Low, High)</u>
<b>Diatoms</b>	Asterionella	
	Astemphalus	
	Bacteriastrum	
	Chaetoceros	H
	Coscinodiscus	L
	Ditylum	L
	Eucampia	
	Ginardia stiata	H
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	H
	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  
Proto-peridinium  
Scrippsiella

Silicaflagellate Dictyocha

Other Cyanobacteria L

**Summary**

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

**Yes/No**

Other:

Yes

**FLOW Plankton Monitoring Program Report**

**Time** 10:05 AM  
**Date** 4/11/2014  
**Collectors** Angelica, Jerry, Terry  
**Location** Wetlands  
**Tide** High  
**Weather/Wind** Sunny 5Mph  
**Water T (deg C)** 21  
**Salinity** 32  
**pH** 7.8  
**Ammonia** 0.5  
**Phosphates** 0  
**Nitrates** 0  
**DCDPH Bottle #** None

**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 stciata	
	Hemiaulus	
	Lauderia	
	Leptocylindrus	
	Licmophora	
	Lithodesmium	
	Melosira	
	Navicula	
	Nitzschia	
	Odontella	
	Pleurosigma	
	Pseudonitzchia	
	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  
Proto-peridinium  
Scrippsiella

Silicaflagellate Dictyocha

Other Copepods L

**Summary**

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

**Yes/No**

Yes

Other:



## FLOW Plankton Monitoring Program Report

Time	7:45 AM
Date	4/18/2014
Collectors	Dennis
Location	Inlet
Tide	Outgoing
Weather/Wind	Calm, Overcast
Water T (deg C)	16
Salinity	33
pH	
Ammonia	
Phosphates	
Nitrates	
DCDPH Bottle #	Unknown

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

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

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** 4/18/2014  
**Collectors**  
**Location** Wetlands  
**Tide**  
**Weather/Wind**  
**Water T (deg C)**  
**Salinity**  
**pH**  
**Ammonia**  
**Phosphates**  
**Nitrates**  
**DCDPH Bottle #** None

**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	L
	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**  
**Protoperidinium**  
**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** 10:10 AM  
**Date** 4/25/2014  
**Collectors** Nancy, Dennis  
**Location** Inlet  
**Tide** Outgoing  
**Weather/Wind** Overcast, Mild wind  
**Water T (deg C)** 64 F  
**Salinity** 33  
**pH** 8.2  
**Ammonia** 0.25  
**Phosphates** 0.25  
**Nitrates** 6088  
**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	
	Odontella	
	Pleurosigma	
	Pseudonitzschia	L
	Rhizosolenia	
Skeletonema		
Thalassiosira		
Thalassionema		
Thalassionthrix		
<b>Dinoflagellates</b>	Akashiwo	
	Alexandrium	
	Ceratium furca	L
	Ceratium fusus	
	Ceratium lineatum	
	Ceratium macroceros	
	Cochlodinium	
	Dinophysis	

Gonyalax  
Lingoludinium L  
Noctiluca L  
Oxytoxum  
Prorocentrum micans L  
Protooperidinium  
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	10:00 AM
Date	4/25/2014
Collectors	Terry, Judy, Jerry
Location	Wetlands
Tide	High
Weather/Wind	Overcast 15-20 MPH
Water T (deg C)	21
Salinity	30
pH	8
Ammonia	0
Phosphates	0.1
Nitrates	0
DCDPH Bottle #	None

### 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 Various Zooplankton L

**Summary**

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

**Yes/No**

No

Other: