

FLOW Plankton Monitoring Program Report

Month: **October**

Year: **2013**

Week 1, Date	10/4/13
Location	Tidal Inlet <input checked="" type="checkbox"/> Wetland <input type="checkbox"/>
Time	10:30 AM
Collectors	Jerry, Belen, Dennis
Tide	Going Out <input checked="" type="checkbox"/> Slack <input type="checkbox"/> Coming In <input type="checkbox"/> NA <input type="checkbox"/>
Water T (°C)	21
Salinity (ppt)	34
Weather/ wind	Clear/ mild breeze
pH	8
Ammonia	0 ppm
Nitrate	0 ppm
Phosphate	0 ppm
CDPH Bottle #	04692

List of plankton observed in sample

	Species/ genera/ groups	Estimated relative abundance*		
Diatoms	Asterionella	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Astemphalus	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Bacteriastrum	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Chaetoceros	Low <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Dominant <input checked="" type="checkbox"/>
	Coscinodiscus	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Ditylum	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Eucampia	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Ginardia	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Hemiaulus	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Lauderia	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Leptocylindrus	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Licmophora	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Lithodesmium	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Melosira	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Navicula	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Nitzschia	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Odontella	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Pleurosigma	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Pseudonitzschia	Low <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Rhizosolenia	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Skeletonema	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Thalassiosira	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Thalassionema	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
Thalassiothrix	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	
	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	
	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	
	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	

Dinoflagellates	Akashiwo	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Alexandrium	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Ceratium divaricatum	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Ceratium furca	Low <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Ceratium fusus	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Ceratium lineatum	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Ceratium macroceros	Low <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Ceratium sp. (other)	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Cochlodinium	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Dinophysis acuminata	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Dinophysis caudata	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Dinophysis fortii	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Gonyaulax	Low <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Lingoludinium	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Noctiluca	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Oxytoxum	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Prorocentrum micans	Low <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Dominant <input type="checkbox"/>
	Protoperidinium	Low <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Dominant <input type="checkbox"/>
	Scrippsiella	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
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	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	
	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	
	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	
Other groups	Dictyocha	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Tintinnids	Low <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Dominant <input type="checkbox"/>
	Radiolaria	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Copepods	Low <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Dominant <input type="checkbox"/>
	Crustacean larvae (nauplii/zoea)	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Fish larvae/ eggs	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Cnidaria	Low <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
		Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>
	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	
Summary	<p>Water conditions (T, S, pH and nutrients) were within expected ranges <input type="checkbox"/></p> <p>/not within expected ranges <input type="checkbox"/></p> <p>Comparison with previous week(s): low abundance (except for Chaetoceros) and low variety of organisms.</p> <p>Other Notes:</p>			

*No quantitative analysis/ Relative abundance is estimated visually and represents a general sense of which plankton groups seem to be present in higher amounts when compared to other groups.

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Summary	Water conditions (T, S, pH and nutrients) were within expected ranges <input checked="" type="checkbox"/> /not within expected ranges <input type="checkbox"/>			
	Comparison with previous week(s): Ammonia was slightly higher than usual (probably due to rain in the past 2 days); phytoplankton composition and quantity was similar to last week's sample but zooplankton was more abundant			
Other Notes:				

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Summary	<p>Water conditions (T, S, pH and nutrients) were within expected ranges <input checked="" type="checkbox"/> /not within expected ranges <input type="checkbox"/></p> <p>Comparison with previous week(s): Greater variety of organisms than last week's samples but lower quantities;</p> <p>Other Notes: Fullerton College Students (Sisie Grabiell's class) shadowed activities</p>			

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	Low <input type="checkbox"/>	High <input type="checkbox"/>	Dominant <input type="checkbox"/>	
Summary	Water conditions (T, S, pH and nutrients) were within expected ranges <input checked="" type="checkbox"/> /not within expected ranges <input type="checkbox"/> Comparison with previous week(s): High diversity and abundance Other Notes:			

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