

## Differential Phytoplankton Analysis: Moriches Bay

\*all values in cells per liter\*

Date	04-Oct-01	04-Oct-01	04-Oct-01	04-Oct-01	04-Oct-01
Bottle Number	106/101	102/70	84/80	67/62	82/65
Site	SP	FR	SP	FR	MI
Tidal Stage	outgo	outgo	incom	incom	incom
<b>Diatoms</b>					
<i>Nitzschia spp.</i>	28,710		19,140		
<i>Rhizosolenia spp.</i>	9,570	57,420		114,840	
<i>Chaetoceros spp.</i>		38,280			
<i>Navicula spp.</i>		19,140	9,570		19,140
<i>Leptocylindrus spp.</i>	19,140	19,140		38,280	
<i>Pleurosigma spp.</i>			19,140	19,140	
<i>Pseudo-nitzschia spp.</i>			19,140		57,420
Unknown small penate Diatom		133,980	86,130	57,420	19,140
Unknown Chain Forming Diatom	57,420		19,140		
<b>Total</b>	<b>114,840</b>	<b>267,960</b>	<b>172,260</b>	<b>229,680</b>	<b>95,700</b>
<b>Dinoflagellate</b>					
<i>Prorocentrum spp.</i>	66,990	76,560	38,280	38,280	19,140
<i>Gymnodinium sp.</i>	9,570	57,420	38,280	19,140	
<i>Amphidinium spp.</i>			9,570		9,570
<i>Polykrikos spp.</i>				19,140	
<b>Total</b>	<b>76,560</b>	<b>133,980</b>	<b>86,130</b>	<b>76,560</b>	<b>28,710</b>
<b>Ciliates</b>					
<i>Strombidium spp.</i>	19,140		9,570		
<i>Stenosemella spp.</i>	9,570				
<b>Total</b>	<b>28,710</b>	<b>0</b>	<b>9,570</b>	<b>0</b>	<b>0</b>
<b>Other</b>					
Flagellates, cryptomonads (3-8 um)	153,120	765,600	1,071,840	459,360	306,240
Picoplankton (< 3 um)	163,838,400	130,152,000	214,750,800	161,388,480	45,859,440
Euglena		19,140			
<b>Total</b>	<b>163,991,520</b>	<b>130,936,740</b>	<b>215,822,640</b>	<b>161,847,840</b>	<b>46,165,680</b>

<b>04-Oct-01</b>	<b>04-Oct-01</b>	<b>04-Oct-01</b>
<b>73/122</b>	<b>66/71</b>	<b>104/81</b>
<b>GSB</b>	<b>GSB</b>	<b>MI</b>
<b>incom</b>	<b>outgo</b>	<b>outgo</b>
	9,570	95,700
28,710	19,140	
47,850	9,570	
		19,140
		38,280
9,570		
38,280		
<b>124,410</b>	<b>38,280</b>	<b>153,120</b>
47,850	9,570	57,420
9,570	9,570	19,140
19,140		
<b>76,560</b>	<b>19,140</b>	<b>76,560</b>
19,140	57,420	
<b>19,140</b>	<b>57,420</b>	<b>0</b>
1,224,960	918,720	229,680
174,939,600	163,072,800	62,549,520
<b>176,164,560</b>	<b>163,991,520</b>	<b>62,779,200</b>