

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE East River Mile 4
Gantry Plaza State Park
Jennifer Mokos – AEL – High School 12 students

Location: Gantry Plaza State Park

Area: Pier, Banks altered – riprap along edges – mainly metal and wooden pier

Surrounding Land Use: Urban and residential and commercial mix. Park with several piers and floating dock, playground, some planted areas

Sampling Site: Recreational pier

Plants in area: no plants but bottom weedy

Bottom: Sandy, muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:47 AM	81°F 28°C	81°F 28°C	
Wind Speed	6-11 knots	South		
Cloud Cover	Mostly cloudy			
Weather today				
Weather recently	Chilly, sunny, cloudy			
<i>Water Temperature</i>	1:10 PM (shady)	22 °C	22 °C	22 °C
<i>Water Calm</i>	With small waves			
<i>Turbidity (secchi)</i>	430 cm 600 cm 705 cm			578 cm average (strong current – hard to drop in straight)
<i>Chlorophyll</i>	12:52 PM	0.1		
<i>Chemical</i>				
DO (ampules)	1:10 PM	6 ppm	22 ° C	70% saturated (shady area)
pH (color match kit)	11:34 AM	76.5	6.5	6.5
Phosphate	n/a			
Nitrate				
Alkalinity				
Salinity (hydrometer)	12:03 PM	29 ppt 30 ppt		hydrometer

		32 ppt		
<i>Fish Catch</i>	2	Porgy		Fish caught by fishermen on the dock
	1	Striped Bass		
	1	Sea Bass		
	2	Sea Robin		
<i>Tides</i>	10:40 AM	344cm		
	1:01 PM	305 cm	*falling	
<i>Currents</i>	10:42 AM		Flood time	
<i>Boats</i>				
<i>Other Observations</i>				

*Note that with time elapsed (2 hrs. and 20 mins.) and only 39 cm height change suggests rising and then falling.