

**Snapshot Day 10/12/06 Data
(Salt Front RM 52.5)
RIVER MILE 2.5**

Christopher Street Pier (#45)

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Location: The foot of Christopher Street Pier on the South side

Area: Pier – bulkhead – mainly metal and wooden pier

Surrounding Land Use: roads and parking lots nearby, very little tree or grass cover

Sampling Site: Recreational pier

Plants in area: None

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:30 AM	18°C		
	10:10 AM	19.1°C		
	11:20 AM	21°C		
	12:00 noon	68°F 20°C		
	1:40 PM	21°C		
Wind Speed	Windy	4 knots	SW	Water choppy
Cloud Cover	90% covered			
Weather today	9:30 AM – breezy, foggy, cloudy 10:10 AM – very windy, cloudy but sunny, windy like a giant blowing, foggy 11:20 AM -Overcast – few breaks but mainly a grey day.			
Weather recently	Rained yesterday and last night			
<i>Water Temperature</i>	9:30 AM	19 °C		
	10:10 AM	18.2 °C		
	11:20 AM	64.4°F 18 °C		
	12:00 noon	63 °F 18° C		
	1:40 PM	20°C		
<i>Turbidity</i>	9:30 AM	73.1 cm		
	10:10 AM	44.5 cm*	*averaged from 38cm, 43 cm, 52.5 cm	
	11:35AM	90.3 cm		

	11:50	79 cm		
	1:40 PM	71.2 cm		
Chemical				
DO (drop count kit)	9:30 AM	6.7 mg/L	19 ° C	71% saturated
	10:10 AM	6.2 mg/L	18.2 ° C	63% saturated
	11:35 AM	5.9 mg/L	Temp. 18 ° C	60% saturated
	1:40 PM	5.5 mg/L	20 ° C	58% saturated
pH	9:30 AM	7.0		
All with litmus paper unless noted otherwise	10:10 AM	7.0		
	11:55 AM	7.0	7.3 with probe	
	1:40 PM	8.0		
Phosphate	n/a			
Nitrate	n/a			
Alkalinity	n/a			
Salinity (hydrometer)	9:30 AM	15.0 ppt	1.011 sp. gravity	
	10:10 AM	13.5 ppt	1.010 sp. gravity	
	12:18 PM	13.5 ppt		
	1:40 PM	14.0 ppt	1.010 sp. gravity	
Fish Catch	12:28 A blue crab swam the length of the pier			
Tides	11:37 AM	Close to high tide from observations of tidal markers		
Currents	12:38 PM	4.3 secs/212 cm North	6.8 secs/212 cm North	2 separate trials done
Boats	9:30 AM	ferries		
	10:10 AM	Tug boats, cruise ship, NY water taxi		
	11:49 AM	2 cargo boats passed	Southbound	Loaded – unable to determine cargo
	11:50 AM	Water taxi	Northbound	empty
	11:50	Small ferries	Southbound	Empty
Other Observations	Crab legs on the ledge of the pier seagulls			