

**Snapshot Day 10/2/07 Data**  
**(Salt Front RM 78.2)**  
**RIVER MILE 61W**  
**Newburgh Landing, Newburgh**  
**Latitude 41°30'.239" Longitude 74°30'.238"**  
**Teresa Thornton, Mount Saint Mary's College**  
**Alice Kish, Horizens on Hudson School, 4<sup>th</sup> grade – 16 students**

**Location:** Newburgh Landing, Newburgh, Orange County NY

**Area:** Site is a developed waterfront with wooden fishing pier, waterfront includes shops and restaurants,

**Surrounding Land Use:** industrial/commercial 100%

**Sampling Site Shoreline:** shoreline large rip rap, bulkhead wood timbers, piping entering the river

**Plants in area:** no

**Water depth:** 1.91 meters deep

**Bottom Surface:** rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	1:30 -3:00 PM	24°C		
Wind Speed	1:30 -3:00 PM	4 on Beaufort chart		
Cloud Cover	clear			
Weather today	Mostly clear & sunny			
Weather recently	Unseasonably warm			
<b><i>Water Temperature</i></b>	1:30 -3:00 PM	22°C		
<b><i>Water Surface</i></b>	Smooth	Water Calm		
<b><i>Turbidity - Turbidity tube</i></b>	1:30 -3:00 PM	47 cm	43 cm	39 cm
<b><i>Chlorophyll</i></b>	1:30-3:00 PM	0.5		
<b><i>Chemical</i></b>				
DO	1:30-3:00 PM	10 mg/L	113% saturated	
pH –	1:30-3:00 PM	6.5	8.0	

Phosphate	Background readings			
Nitrate	Background readings			
Alkalinity				
Salinity -				
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>		
		Pipefish		
		Striped Bass		
		Eel		
		Catfish		
		Blue Crab		
<b><i>Tides</i></b>	1:38 PM	62 cm		
	2:15 PM	203 cm	Rising	
	2:45 PM	207 cm	Rising	
<b><i>Currents</i></b>	1:30-2:45 PM	30.8 ft.	North	Flood
<b><i>Traffic</i></b>				