

**Snapshot Day 10/7/08 Data**  
**(Salt Front RM 63.4)**  
**RIVER MILE 18.5W**  
**Alpine Boat Basin**  
**Leslie Day & Gary Lyon, The Elisabeth Morrow School,**  
**Englewood, NJ – 5<sup>th</sup> grade – 25 students**

**Location:** North end of the Alpine Boat Basin, adjacent to a sandy beach area

**Area:** Used for picnics, boats, seining and education programs

**Surrounding Land Use:** Forested 50% (at the foot of the Palisades, Man made Sandy Beach 5%, Recreationally developed boat mooring & picnic table 45%

**Sampling Site:** sandy beach,

**Plants in area:**

**Water depth:** 1 foot at shoreline

**River Bottom –**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	9:41 AM	15.57°C 60°F		
Wind Speed	Beaufort #2	4-7 km/hr 4-6 Knots	5-8 mph in gusts using meter	N/NE
Cloud Cover	no cloudy			
Weather today	Sunny and dry			
Weather recently				
<b><i>Water Temperature</i></b>	10:00 AM	20°C 60°F	sunny	3 replicates
<b><i>(at shoreline 1 foot depth)</i></b>	10:30 AM	20°C 60°F	Sunny	3 replicates
	10:45 AM	20°C 60°F	sunny	3 replicates
<b><i>Turbidity</i></b>	10:50 AM	40.5 cm 33.8 cm	Average 37.15 cm	Long Site tube
	10:50 AM	67 cm 70 cm	Average 68.5 cm	Secchi Disk
<b><i>Chlorophyll</i></b>	11:15 AM	2		
<b><i>Chemical</i></b>				
DO - In direct sun	9:58 AM	6.0 mg/L	20°C	70%
	10:35 AM	6.0 mg/L	20°C	70%
	11:30 AM	6.0 mg/L	20°C	70%
pH	10:30 AM	7.0		

	10:50 AM	7.0		
	11:30 AM	6.5		
Phosphate				
Nitrate	< 5 ppm			
Alkalinity				
Salinity	10:00 AM	12 ppt		
	10:45 AM	12 ppt		
	11:15 AM	12 ppt		
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Size</i></b>	<b><i>Seine</i></b>
<b><i>Tides</i></b>	9:59 AM	20 cm		
	10:29 AM	26 cm	Rising	
	10:23 AM	31 cm	Rising	
<b><i>Currents-</i></b>	10:15 AM near jetty	1260 cm/60 sec	21 cm/sec	Ebb
	10:19 AM near jetty	705.6 cm/sec	11.76 cm/sec	
	10:23 AM mid channel	3291.1 cm/sec	54.85 cm/sec	
<b><i>Sediment Core</i></b>	<b>TOTAL Length</b>	<b>Top Layer</b>	<b>Bottom Layer</b>	<b>Description</b>
	25.5 cm	9.5 cm lighter sandy color	16 cm bottom darker color	No plant material, mix of grain sizes,