

**Day in the Life of the Hudson River 10/29/14 Data**  
**(Salt Front ~RM61.1 - on 10/28/14 at this location but not reported for 10/29-10/31**  
**on 11/1/14 it was at 59.6)**  
**RIVER MILE 18.5W**



**Alpine Boat Basin**

**Colin Keegan, Alpine Park, Palisades Interstate Park**

**Lisa, Wolfelsperger, , Alpine Elementary School**

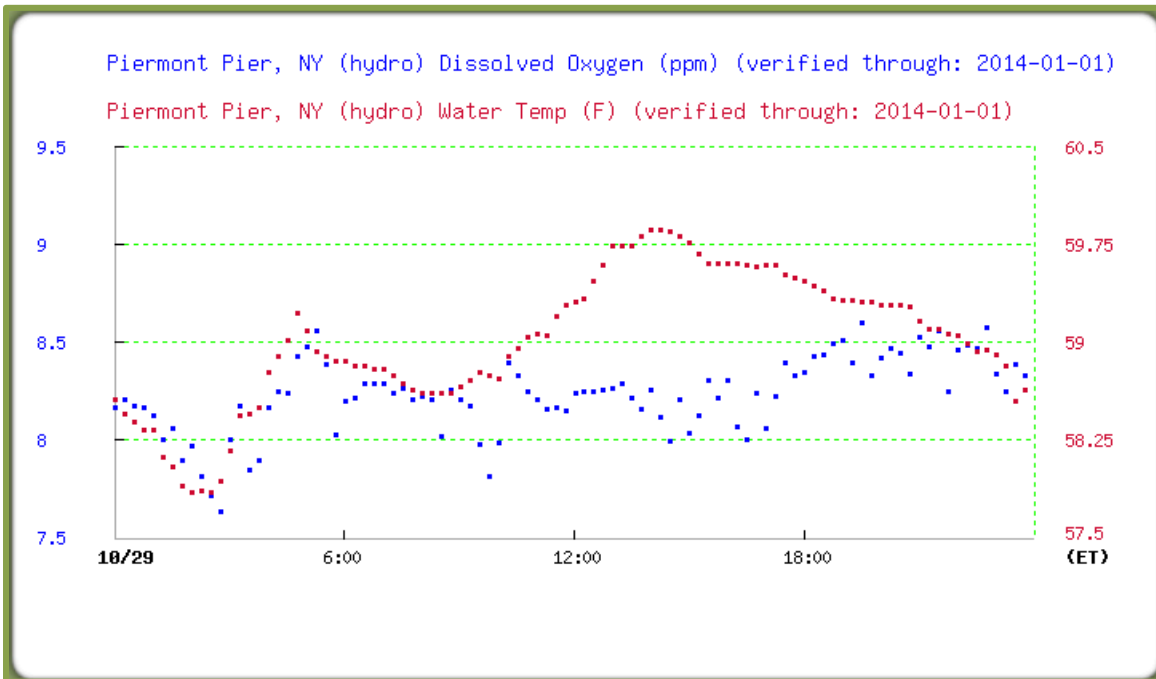
**Alpine NJ – 6<sup>th</sup> grade – 18 students, 2 teachers, 2 PIP educators (5 adults total)**

**N 40.7031° – W -74.0267°**

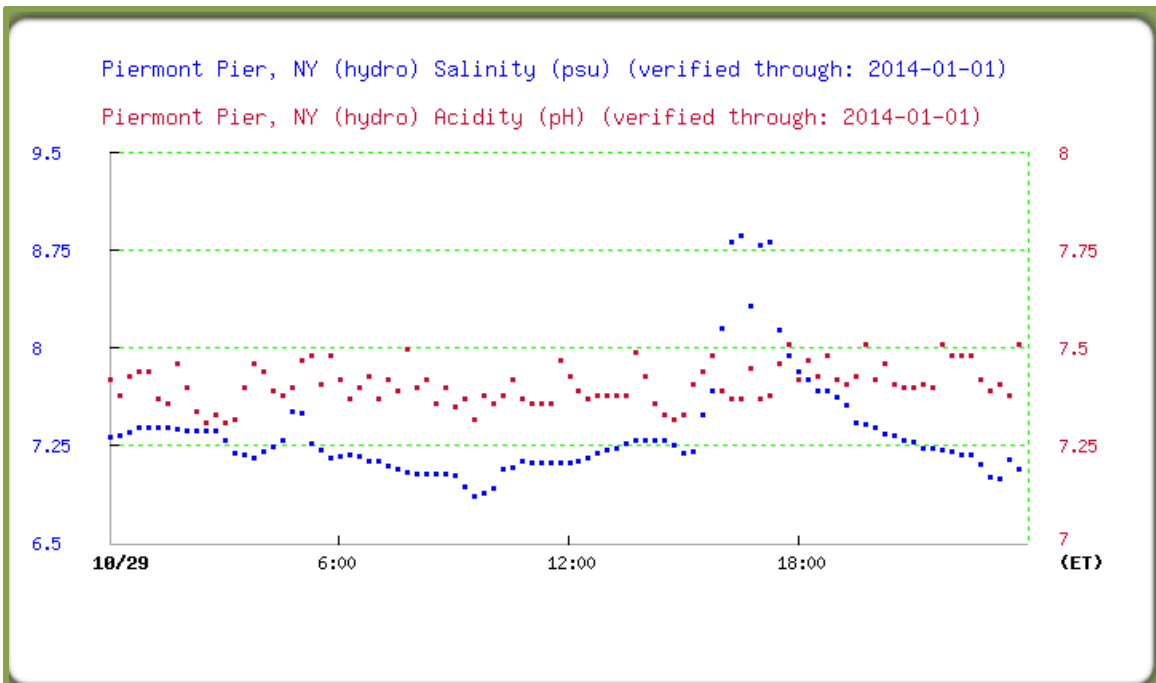


**Location:** North end of the Alpine Boat Basin, adjacent to a sandy beach area  
**Area:** Pier, Forested, parking lot, used for picnics, boats, fishing and education programs  
**Surrounding Land Use:** 63% Forested (at the foot of the Palisades, 6% Man made Sandy Beach , 6% Industrial/Commercial; 25%, recreationally developed pier  
**Sampling Site:** sandy beach, banks altered, rip rap, bulkhead, pier, concrete  
**Plants in area:** found few water chestnut seeds floating in the area but not growing  
**River Bottom** – shallow depth - sandy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	11:24 AM	55 °F 19°C		
Wind Speed				
Cloud Cover	Overcast			
Weather today	No rain			
Weather recently	Rain			
<b>Water</b>				
<b>Water Temperature</b> 11:20 AM	27°C* 80.6 °F* Reported	HRECOS notes it was closer to 59°F or 15°C		
<b>Turbidity</b>	Not read			
<b>Chemical</b>	<b>Not read onsite</b>	<b>HRECOS</b>		
DO - Drop count kits	See HRECOS below	8.2 ppm		
pH – test strips	See below	~7.4		
Salinity -	See Below	~ 7 ppt		
<b>Fish Catch - 8X4 ft. seine net</b>	<b>Number Caught</b>	<b>Species</b>	<b>Size</b>	<b>Seine</b>
9:30-noon	10	Atlantic Silverside	5-8 inch	
	2	White Perch	7.5 inch	
	3	Striped Bass	4 inch	
	3	Bay Anchovy	3 inch	
	1	Northern Pipefish	8 inch	
<b>TOTAL CATCH</b>	<b>19</b>	<b>TOTAL DIVERSITY</b>	<b>5</b>	
<b>Tides</b>	HT 11:10 AM	Stick floated away @ HT		
<b>Currents-</b>	<b>Time</b>	<b>Cm/30 secs</b>	<b>Cm/Sec</b>	
<b>A pier juts out and we are not in the main stem of the Hudson River</b>	11:10 AM	13.57	0.2655	Flood/South
	11:14 AM	30	51.4	Flood/South
	11:16 AM	266	0.468	Still
	11:20 AM	266	0.468	Still



*D.O. and Water Temperature for closest HRECOS station at RM 25*



*Salinity and pH from Piermont – closest HRECOS station at RM 25*