

**Day in the Life of the Hudson River 10/12/17 Data  
(Salt Front ~RM 65)**

**RIVER MILE 19**

**Alpine Boat Basin**

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11<sup>th</sup>-12<sup>h</sup> grade AP Environmental Science– 13 students, 1 adult  
N 40.945833° – W -73.918333°

**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:** 75% Forested (at the foot of the Palisades, 10% Man made Sandy Beach; 15%, recreationally developed pier and park area

**Sampling Site:** sandy beach, banks altered, rip rap, bulkhead, pier, concrete

**Plants in area:** none in water

**River Bottom** – shallow depth - sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	11:38 AM	59°F	15°C	
Wind Speed	11:30 AM	Beaufort #4	2.3 m/s	South
Cloud Cover	11:28 AM	Partly cloudy		
Weather today	11:30 very little rain in morning but not now			
Weather recently	Very warm and dry until yesterday when it rained and cooled			
<b>Water</b>				
<b>Water Temperature</b>	11:15 AM	20.4°C		
	11:20 AM	20.5 °C		
<b>Turbidity –</b>	11:22 AM	15.6 cm 15.1cm 14.6 cm	<b>Average 15.17 cm</b>	
<b>Comment on Turbidity</b>	This is a second site for this group. Compared to Englewood Boat Basin the water is a bit more clear and has less mud.			
<b>Chemical</b>				
DO -	11:15 AM	20.4°C	7.2 ppm	80%
Drop count kits	11:35 AM	20.5 °C	7.19 ppm	80% saturated
pH – test strips	NR			
Salinity - refractometer	11:15 AM	15 ppt 16 ppt 16 ppt 16 ppt	Average 16 ppt	
<b>Fish Catch</b>	NR			
<b>Tides</b>	NR			
<b>Currents-</b>	<b>Cm/30 sec</b>	<b>Cm/Sec</b>	<b>Kts</b>	
11:20 AM	152 cm	5 cm	7.96	S/Ebb
<b>Sediment Core:</b>	<b>Length in cm</b>	<b>Rare</b>	<b>Common</b>	<b>Abundant</b>

