

**Day in the Life of the Hudson River 10/22/19 Data**  
**ALPINE BOAT BASIN, ALPINE NJ**  
**RIVER MILE: 19**  
*Salt Front: ~RM 53*  
**Alpine School – Lisa Walfe**  
**22 students 6th grade, 2 adults**  
**Palisades Interstate Park Commission Ranger staff**  
**Latitude 40.9458 N & Longitude – 73.9183 W**

**Location:** Alpine Boat Basin, Alpine, NJ

**Area:** North end of the Alpine Boat Basin, adjacent to a sandy beach area. Pier, forested, parking lot, used for picnics, boats, fishing and education programs

**Surrounding Land Use:** 25% Man-made Sandy Beach; 75% recreationally developed pier and park area.

**Sampling Site:** Sandy beach, banks altered, riprap, bulkhead, pier, concrete, brick, charcoal

**Water:** calm

**Plants in area:** no plants in water area

**River Bottom:** muddy/mucky

\*NOTE: Rain impeded data collection

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical -</b>				
<i>Air Temperature:</i>	9:55 AM	*4 ° C	39.2 ° F	<i>*must be error</i>
<i>Wind Speed:</i>	10:00 AM	Beaufort 5		NE
<i>Water –</i>	Calm			
<i>Weather Today:</i>	Overcast, heavy drizzle began approximately 10:30 AM			
<i>Weather Previous:</i>	N/R			
<b>Water Temperature</b>	N/R			
<b>Turbidity - site tube</b>	10:00 AM	70cm 55 cm	<b>Average</b> 62.5 cm	
<b>Chemical</b>				
<i>Salinity- Refractometer</i>	N/R			
<i>DO – Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	N/R			
<i>pH -</i>	N/R			

<i>Fish – seine 10:00 AM</i>	<i>Number</i>	<i>Name</i>	<i>Length longest</i>	<b>*3 striped bass lengths–</b>
	1 3	American Eel *Striped Bass	30.5 cm 58.5 cm	-58.5 cm -40.5 cm -43 cm
<i>Fish – seine 10:00 AM Macroinvertebrates- Seine</i>	<b>TOTAL: 4</b>	<b>Diversity: 2</b>		
	<i>Number</i>	<i>Name</i>	<i>Length longest</i>	
	10 some	Blue Crab Grass Shrimp		
<i>Macroinvertebrates- Seine</i>	<b>TOTAL: 10+</b>	<b>Diversity: 2</b>		
<i>Tides- measuring down from pier</i>	<i>Time</i>	<i>Rising, Falling, Still</i>	<i>Height (cm)</i>	
	NR			
<i>Currents</i>	<i>Cm</i>	<i>Seconds</i>	<i>Cm/sec</i>	<i>Average</i>
9:50 AM	1000 1000 1000	21 28 23	47.62 35.71 43.48	42.27 average
<i>Boats</i>	<i>Name</i>	<i>North/ South</i>	<i>Loaded or Light</i>	
Recreational Recreational	No name No name	South South	Light Light (limited cargo)	