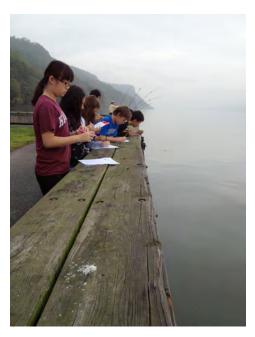
## Day in the Life of the Hudson River 10/4/12 Data RIVER MILE 18.5W

**Alpine Boat Basin** 

Christina Fehre, Alpine Park, Palisades Interstate Park
Lisa, Wolfelsperger, & Rivka Rosenstein, Alpine Elementary School
Alpine NJ – 6<sup>th</sup> grade – 20 students
N 40.56.45– W -73.55,6





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

**Area:** Forested, parking lot, used for picnics, boats, fshing and education programs

**Surrounding Land Use:** Urban/residential 70%, Forested 25% (at the foot of the Palisades, Man made Sandy Beach 5%, Recreationally developed boat mooring & picnic table, parking lot

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

Plants in area: none

**River Bottom** – sandy, muddy, rock

ITEM	Time	Reading 1	Reading 2	Comments
Physical				
Air Temperature	10:15 AM	73.4 °F	11:45 PM	71 °F
		23°C		21°C
Wind Speed				NE
Cloud Cover	Cloudy, drizzly			
Weather today	Rain – 2 cm			

Weather recently	Some rain and li	ight wind		
Water	calm			
Water Temperature	10:25 AM	22°C		
Turbidity	10:35 PM	52 cm 40 50	Average 47.3cm	Secchi Disk
	2 <sup>nd</sup> reading	54 53 53	53 cm	
Chlorophyll				
Chemical				
DO - Drop count kits	Not read			
pH – litmus paper*	10:25 AM	6		
	11:35	5.5		
Salinity - hydrometer	10:45 AM	12 ppt		
Fish Catch	Number Caught	Species	Size	Seine
8X4 ft. seine net	48	shiner	1 inch	
10 seines -	1	Perch	3 inch	
	~40	Jellyfish		
	5	Blue crab		
<b>Total Catch</b>	49 fish/94 total catch	Diversity	4	
Tides	10:14 AM	74 cm		
	10:56 AM	82 cm	Rising	
	Lost stick later			
Currents-	10:25AM		25 cm/sec	North/flood
Sediment Core	TOTAL Length	Common	Rare	Description
Shipping	10:10 PM	Large	White	north