

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 – 6th 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, fishing 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

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

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