

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
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 – 16 students
N 40.56.45– W -73.55,6**



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

Area: Used for picnics, boats, seining and education programs

Surrounding Land Use: Forested 50% (at the foot of the Palisades, Man made Sandy Beach 50%, Recreationally developed boat mooring & picnic table, parking lot

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

Plants in area: none but found water chestnut pods on the beach

Water depth:

River Bottom – muddy, rock

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:42 AM	60 °F 18°C	11:30 PM	67 °F 19°C
Wind Speed	Beaufort #3	7-10 kts	8-12 mph	S
Cloud Cover	Partly cloudy			
Weather today	No rain			
Weather recently	Some rain and light wind			
<i>Water</i>	calm			
<i>Water Temperature</i>	12:19 PM	15°C		

<i>Turbidity</i>	12:15 PM	23.1 cm 31.2 45	Average 35 cm	Secchi Disk
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO - Drop count kits	12:19 PM	8 mg/L	15°C	90%
pH	11:45 AM	6		6 average
Nitrate				
Salinity - hydrometer	10:00 AM	6 ppt		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size</i>	<i>Seine</i>
8X4 ft. seine net	8	Bay Anchovy	2.5-3 inch	
	5	American Shad	3 inch	
	1	Striped Bass		
Total Catch	14	Diversity	3	
<i>Tides</i>	9:52 AM	66 cm		
	10:05 AM	72 cm	Rising	
	10:12 AM	76 cm	Rising	
<i>Currents-</i>	10:10 AM	2215 cm/60 secs	38 cm/sec AND .75 kts	North/flood
<i>Sediment Core</i>	TOTAL Length	Common	Rare	Description
<i>Shipping</i>	1:00 PM	Barge	Red/Black	southbound
	1:00 PM	Barge	Black/Green	Northbound
		Barge	Blue/White	
<i>Observations</i>	3 people fishing	Someone caught an eel		