

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 4
Pier 84**

N 40.76544 W-73.99765

Lauren Donnelly and staff, Hudson River Park Trust

Lisbeth Uribe and 5 teachers from The School at Columbia, 55 fourth graders



Location: Pier 84, is an educational pier used for picnics, boating, fishing take place at our sample site.

Area: Pier – bulkhead – mainly concrete & wood

Surrounding Land Use: 100% urban/residential

Sampling Site: Recreational pier – rocks near the edge, banks altered

Depth:

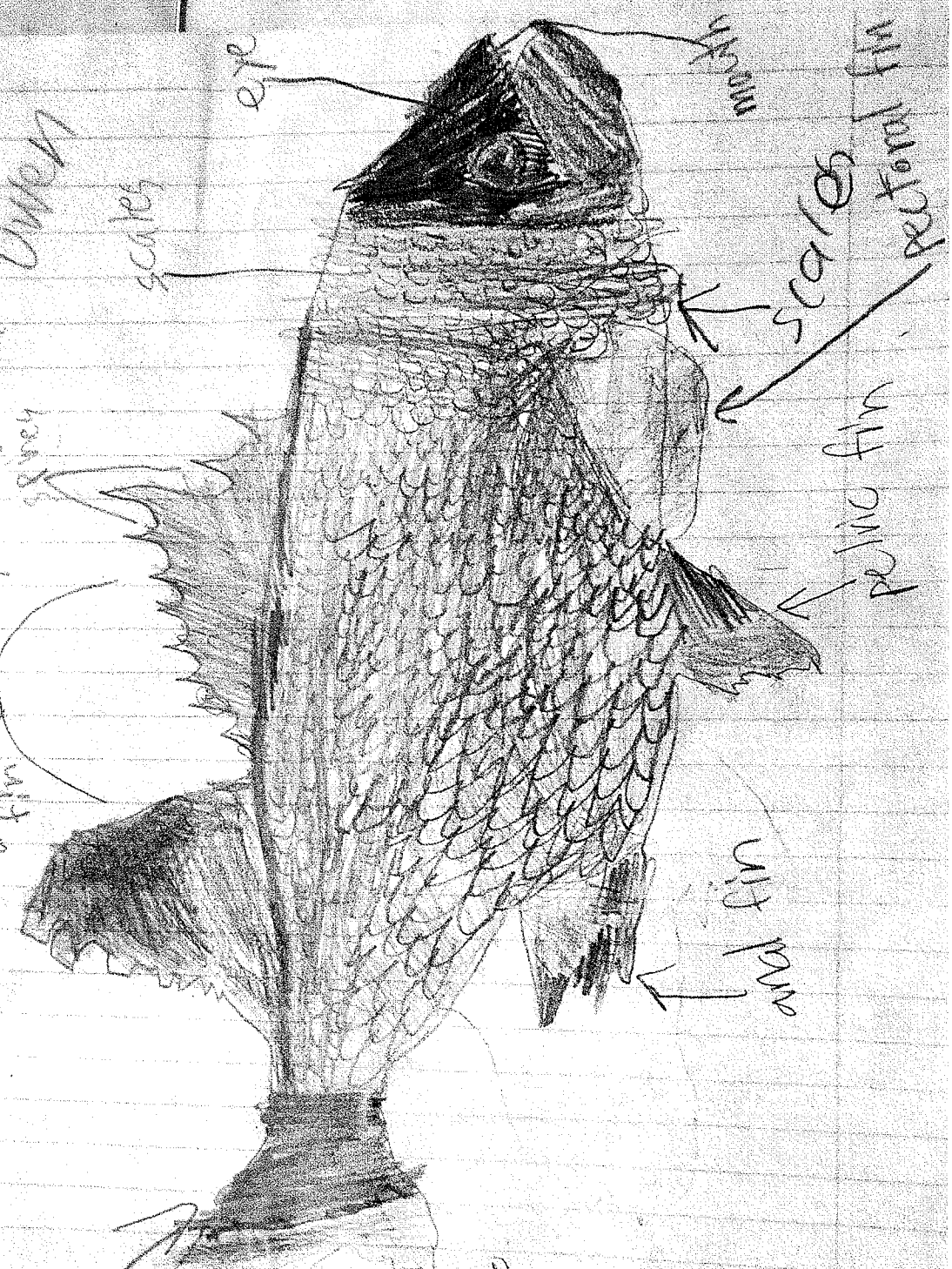
Plants in area: No plants

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:10 PM	23°C 76 °F		
Wind Speed	Beaufort 2.5-3	3 mph anemometer	South	Water choppy
Cloud Cover	clear			
Weather today	Clear sky, very little wind		Water is calm	
Weather recently	Some rain and wind			

Water Temperature	12:18 PM surface sample ~ 2 ft depth	20°C 18°C 19°C	68°F 64.4 °F 66.2°F	Avg. 19°C 66.2°F
<i>Water still – sunny but some shade form the pier</i>	12:38 PM surface sample ~ 2 ft depth	18°C 18°C 18°C	64.4 °F 64.4 °F 64.4 °F	18°C 64.4 °F
Turbidity Turbidity tube	12:20 PM	33.4 cm 43 44	40 cm average	Water is tan colored
Chlorophyll	12:27 PM	1.0		
Chemical				
DO (drop count kit)	12:15 PM 12:30 PM	6.0 ppm 8 ppm	20° C 18° C	61% 85% saturated
pH indicator solution	12:15 PM 12:35 PM 1:00 PM 1:15 PM	8 7 7 8	8 7.5 8 8	8 7.5 8 8
Salinity (hydrometer)	12:20 PM	2-3 ppt		Hydrometer range was 0-6 and was ~ half way
Fish Catch	AM	2	White Perch	By park staff
		1	Striped Bass	
Tides (from dock)	12:12 PM	289 cm		
	12:44 PM	276 cm	falling	
	12:58 PM	300 cm	rising	
	1:10 PM	300 cm	unchanged	
Currents	Cm/60 secs	Cm/sec North/South	Knots	Ebb/Flood/Still
12:30 PM	150 cm		0.05 kts	Flood
12:45 PM	0		0 kts	Still
1:00 PM	1880 cm		0.6 kts	Flood
1:10 PM	1575 cm		0.5 kts	Flood
Boats	12:35 PM	Circle line	White	southbound
		Water ferry	Yellow	southbound
	1:05 PM	Water taxi	Yellow	
Other Observations	Man just caught a big fish from the pier!!!			

White Perch by Elias and Owen

called fin
grey
scutes

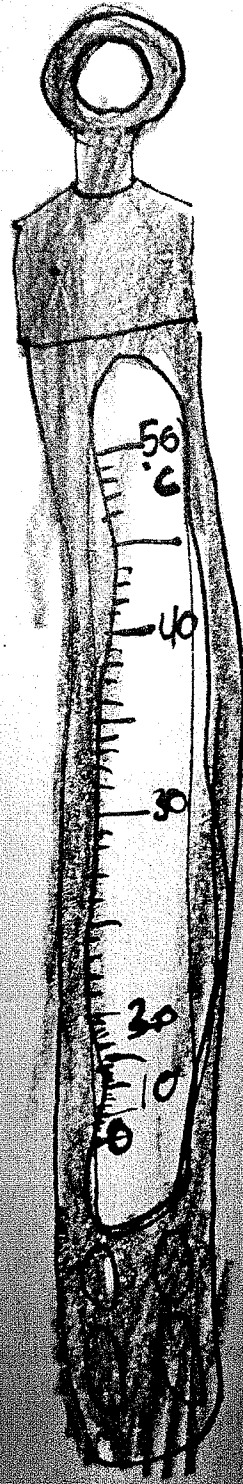


eye
mouth
scutes
pectoral fin
scutes
pelvic fin
anal fin

- Jaw is protruded.
- Adult white perch move up stream to fresh water

Water ~~Thermometer~~
Thermometer.

Its used for
Water



Measuring turbidity



In the comic above the person is seeing how murky the water is by letting more water out. If you can't see the sechi disk, the science word for doing the experiment is called turbidity.