

**Day in the Life of the Hudson River 10/12/17 Data  
(Salt Front RM 65)  
RIVER MILE 98**

**Tivoli South Bay (near Bard Field Station between mouth of Saw Kill & Blithewood Manor)**

**Clara Woolner and other Environmental and Urban Studies (EUS) program students**

**Duane Wolff, Kingston HS 12<sup>th</sup> graders – 11 students, 8 adults**

**Location:** Tivoli South Bay (near Bard Field Station between mouth of Saw Kill & Blithewood Manor)

**Area:** Embayment

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature				
Weather today	N/R			
Weather				
<b><i>Water Temperature</i></b>	11:00 AM	15.6°C °F		
	12:00 PM	16°C		
<b><i>Water Surface</i></b>	choppy			
<b><i>Turbidity –long site tube</i></b>	11:00 AM	88.2 cm 57 cm 65.2 cm		70.1 cm average
<b><i>Chemical</i></b>				
DO – drop count test kit	11:00 AM to noon	15.8°C	10.5 ppm (avg 2 readings)	105% saturated
pH – indicator solution	11:00 AM to noon	7.2 6.7		6.95
Salinity – conductivity meter	11:00 AM to noon	Average of 2 readings	351.2 uS/cm	Salinity average 0.207 ppt (doesn't make seems)
<b><i>Fish Catch</i></b> <i>10 ft. &amp; 2 dip nets</i>	<b><i>Species</i></b>	<b><i>Number</i></b>	<b><i>Length of largest</i></b>	<b><i>Seine #</i></b>
<b><i>2 seines</i></b>	3	Banded killifish	6 cm	<b><i>Diversity 2</i></b>
<b><i>10:45 AM</i></b>	1	Tessellated darter	4 cm	<b><i>Total #4</i></b>
<b><i>Sediment Core from 3 ft. H2O</i></b>	<b><i>Total Length</i></b>	<b><i>Common</i></b>	<b><i>Rare</i></b>	<b><i>Comments</i></b>
11:15 AM	4 cm	Sand Pebbles	Leaves	