

**Day in the Life of the Hudson River 10/20/16 Data
(Salt Front ~RM 83)
RIVER MILE 92**



**Kingston Point Park, Kingston, Ulster County
Julie Noble, KC Keegan-Twonbly, Forsyth Nature Center (Site Hosts)
Kingston High School, 7 students, 2 adults
GPS Latitude 41°55.48 N Longitude 73°57.55 W**



Location: Swimming Beach Kingston Point, City of Kingston, forested, beach and parking lot
Area: Used for picnics, boating, fishing, swimming, jogging, kayaking
Surrounding Land Use: 5% forested; 85% beach; 10% Industrial/Commercial
Sampling Site: Beach area - shoreline is sandy with some bricks, banks are altered, collected wood debris in the area, rip rap to north along brickyard shoreline. Sandy shoreline 75 feet from shoreline to parking lot, 200 feet wide with boat launch, large amount of brick debris from prior industry
Plants in area: 2% duckweed, spatterdock, water chestnut, water celery
Water depth: 0.4 depth
River Bottom : sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:50 PM	65°F 18.3°C		

Wind Speed	12:50 PM	#1 Beaufort	N	
Cloud Cover	12:50 PM	overcast >75% cover		
Weather today	Cloudy			
Weather recently	Sunny – 84 F			
Water Surface	Calm			
Turbidity	Water clear up to ~ 1 meter – sand created turbidity the more we walked in it the more turbid it became.			
Water Temperature	Time	Temperature #1	Temperature #2	Average
Water Depth 2 ft.	1:00 PM	60°F 21 °C		
Chemical				
DO <i>Test tabs</i>	1:15 PM	7 ppm	21 C	81% saturated
pH – color match kit	1:15 PM	7		
Salinity - hydrometer	11:56 AM	1.006 1.004 1.005	Above the salt front - trace	
Fish Catch <i>30'seine X 4 ft. with bag – 20 ft haul</i>	Number Caught- 15	Species - 2	Largest Size	
<i>10:45-11:45 AM</i>	11	Pumpkinseed fish	5 cm	DIV 5
	3	Bluegill Sunfish	5 cm	TOTAL 28
	8	Alewife y-o-y (Herring)	6.5 cm	
	3	Striped Bass	8 cm	
	3	Banded Killifish	5 cm	
Macro Catch	4	Blue Crab	Male	DIV 3
	Abundant	Scuds		Totals 4 +
	Abundant	Zebra Mussels		
Tides	10:00 AM 10:50 AM 11:36 AM 12:06 PM 12:34 PM 1:02 PM	Ebb Ebb Rise Rise Rise		
Currents	NR			
Core Sample	Description	Rare	Common	Abundant
	15 cm	Brick		Sand

	grey color			
<i>Traffic- Commercial</i>	10:40 AM	A87 Barge	Black	N - loaded
	11:38 AM	UBC Seattle- Barge	Red	S - light
	12:30 PM	Barge	Green	S - light
<i>Traffic – Recreational</i>	11:02 AM	Speedboat	White	South
	11:10 AM	‘Unplugged’	White	North
<i>Other Items</i>	10:40 AM Belted Kingfisher (1)			
	11:15 AM Ring Billed Gulls (35)			
	Beach ~ 1/3 covered with brick parts, 1/8 covered with water chestnut seed pods, few shell pieces			