

**Day in the Life of the Hudson River 10/12/17 Data
(Saltfront ~RM 65)
RIVER MILE 145**



**Jennings Landing, Albany
Betsey Domenico, Griffen Memorial Elementary School 4th grade,
80 students, 8 adults
Latitude 42.650810 Longitude -73.746875**



Location: Riverfront area at Jennings Landing, Albany

Area: Grassy riverfront park,

Surrounding Land Use: 100% Urban/commercial;

Sampling Site: rocky shoreline, riprap edges and pipe entering water

Plants: no plants in water.

River Bottom: muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM 11:15 AM	19.7°C 20 °C	67°F 70°F	
Wind Speed	11:10 AM	Beaufort 2	N	Light Breeze
Cloud Cover	11:10 AM	Partly cloudy	26-50%	
Weather today	Clear with a few clouds - more sun later in the day			
Weather recently	Warm and some wet			
<i>Water calm</i>	NR			

<i>Water Temperature</i>	10:15 AM	18°C	64.4°F	
<i>Turbidity – long site tube</i>	READING 1	READING 2	READING 3	Average
	39	57	64	53
	81	33	75	63
	29	33	53	38
	29	33	53	38
	28	33	53	38
	33	31	33	32
	28	33	45	35
	31	34	38	34
	48	38	53	46
	8	33	45	29
	8	33	45	29
	20	33	53	35
	8	33	45	29
	18	22	41	27
	33	45	45	41
	33	20	53	35
	23	58	18	33
	23	56	18	32
	23	58	54	45
	30	57	78	55
	37	33	41	37
	8	33	45	29
	8	33	45	29
	34	57	64	52
	8	33	45	29
	37	33	41	37
	37	32	41	37
	23	28	54	35
	23	58	81	54
	23	58	54	45
	34	63	85	61
	33	28	54	38
	34	54	55	48
	28	33	34	32
	33	35	62	43
	41	45	33	40
	32	33	55	40
	23	58	81	54
	51	58	81	63
	58	81	54	64
	23	58	54	45

	58	58	54	57
	37	33	41	37
		GRAND	AVERAGE	46 cm
<i>Chemical</i>				
DO – drop count	11:15 AM	8 mg/L	19°C	85%
	11:43 AM	10 mg/L	23°C	115%
	12:26 PM	11 mg/L	20°C	120%
	12:35 PM	2* mg/L	20°C	20% Problem expected
	12:48 PM	8 mg/L	22°C	120%
	12:48 PM	10 mg/L	22°C	115%
pH – color match	11:40 AM 12:55 PM	7.0 7.0		
Salinity – quantab LR	11:15 AM 1:05 PM	1.2 quantab 1.2 quantab	Below detection	(1.4 started at 32 ppm)
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Seine</i>
<i>Tides</i>	11:10 AM	20 inches		
	11:50 AM	17.5 inches	2.5 inches	falling
<i>Commercial Traffic</i>	10:15 AM	Fishing boat	White & Red	Northbound - loaded
<i>Recreation traffic</i>	12:42 PM	Sailboat	White	Northbound – light
	1:44 PM	Mini Cruise ship	White	Northbound - Light
<i>Other items</i>	Man made - Boats, , part of a pipe, cans, trash, picnic table, minnow trap, wrappers in the water, Natural - Driftwood, rocks, crab apples, sticks, pond, leaves, slime on the rocks, trees, grass, boulders in the water Animal - Butterfly, geese,			