

Snapshot Day 10/23/14 Data

(Salt Front RM 61.1)

RIVER MILE 25E

Matthiessen Park, Irvington

Joanna Morabito- Irvington High School AP Env. Sci.

20 students, 11/12th graders

***Philip Levine- Irvington Middle School**

180 students, 6th Grade

Latitude 41° 2' 30" N Longitude 73° 52' 32" W

***Middle School Data Recorded and posted separately**



Area: 40% grass, 10% beach, 5 % forested, 45% river

Surrounding Land Use: train, boats, buildings, cars, park

Sampling Site: Matthiessen Park

Water Depth: varied; depth increased as the day progressed

River Bottom: Rocky close to the beach and muddy farther away

Weather Conditions: Raining! (see photo!)

ITEM	Reading 1	Reading 2	Reading 3	Reading 4
Physical	9:42 am	10:02 am	10:20 am	10:45 am
Air Temperature	MS students recorded	7°C		7°C
Cloud Cover	100%	100%	100%	100%
Weather today	Very rainy			
Weather recently	Rainy and cool			
Water Temperature –	13°C	13°C	12°C	12°C
	13°C	13°C	12°C	12°C
	13°C	10°C	9°C	10°C
	13°C	13°C	10°C	10°C
	13°C	12°C		
	<i>average 13°C</i>	<i>average 12°C</i>	<i>average 10.75°C</i>	<i>average 11°C</i>

Turbidity –water chemistry test kit	27 cm 27 cm 27 cm	21 cm 21 cm 21 cm	8 cm 8 cm	8 cm 8 cm
Chemical				
DO (tablet kits)	6 ppm 6 ppm 8 ppm 8 ppm <i>average 7 ppm</i>	4 ppm 4 ppm 9 ppm 8 ppm <i>average 6 ppm</i>	4 ppm 4 ppm 9 ppm <i>average 5.67 ppm</i>	6 ppm 6 ppm 9 ppm <i>average 7 ppm</i>
pH	7 7 7 7 <i>average 7</i>	7 7 7 7 <i>average 7</i>	8 8 7 <i>average 7.3</i>	8 8 8 <i>average 8</i>
Salinity – Quantab recorded as # and ppm Cl-	7 - 2273 ppm 7 – 2273 ppm 6 – 1499 ppm	8 - 3654 8 - 3654 6 - 1499	8 - 3654 8 - 3654	8 - 3654 8 - 3654
Recorded as Total Salinity	4106 ppm TS 4106 ppm TS 2708 ppm TS	6601 ppm TS 6601 ppm TS 2708 ppm TS	6601 ppm TS 6601 ppm TS	6601 ppm TS 6601 ppm TS