

Day in the Life of the Hudson River 10/22/19

MORRIS CANAL BASIN, NEW JERSEY

RIVER MILE: 0.5

Salt Front: ~ RM 53

Hudson Montessori School- Grace Sanvictores

88 students, 6 adults, 1-6th grade

Latitude 40.707725 N & Longitude – 74.03447 W



Location: Morris Canal Basin, Jersey City, Hudson County, New Jersey

Area: Walking and fishing pier along a developed area, walkway with railings, water's edge is rocky

Surrounding Land Use: 100% Industrial

Sampling Site: Waterfront pier jutting out along the water front surrounding a canal inlet, walk down to the water to a rocky shoreline.

Shoreline: 100% Rocky



ITEM	Time	Reading	Comments	
Physical				
<i>Air Temperature</i>	NR			
<i>Wind Speed:</i>	NR			
<i>Weather today</i>	NR			
<i>Weather the past 3 days:</i>	NR			
Tides-	Time	Rising, Falling, Unchanged	Height (cm)	Rate of Tidal Change (cm/min)
	NR			
Current-	cm/second	North/South	Ebb/Flood/Still	Comments
	NR			
<i>Water Temperature</i>	NR			
<i>Turbidity- long sight tube</i>	9:18 AM	45 cm		
Chemical				
Salinity- Hydrometer	Time	Chloride ppm Cl	Total Sal. ppm	
	9:18 AM		20000	
DO –	Time	Temp	ppm DO	% saturation
	NR			
pH –	9:18 AM	5-6		*Seems low
Fish	Number	Name	Length of longest	
	1	White Perch		*Educator caught a white perch on site before the

				<i>students arrived</i>
Fish Totals	TOTAL: 1	Diversity: 1		
Macroinvertebrates	Number	Name	Length of longest	
		Crabs Amphipods Barnacles		
Macroinvertebrate Totals	TOTAL:	Diversity: 3		