

Day in the Life of the Hudson River 10/12/17 Data
(Salt Front ~ RM 65)
RIVER MILE 138 – Henry Hudson Park
Mary Cosgrove, 3 faculty & 8 students, Mt. St. Rose College
Sara Loya, 18 - 5th Grade Albany Academy for Girls
Coordinates: 42.64 N, 73.7W

Location: Waterfront of Henry Hudson Park

Area: Park/Boat launch,

Surrounding Land Use: 100% parkland with 75% vegetated coverage – grassy, parking lot, used for picnics, boating, fishing

Sampling Site: Banks altered, riprap, bulkheaded -rocky

ITEM	Group 1	Group 2	Group 3	Comments
Physical	10:00-10:45 AM	11-noon	1:00-2:00 PM	
Air Temperature	83 ^o F 28 ^o C	81 ^o F 27 ^o C	80 ^o F 26.7 ^o C	
Wind	2 Beaufort South	2 Beaufort South	1 Beaufort South	
Weather last 3 days	NR			
Water Temperature	64 ^o F 17.7 ^o C	64 ^o F 17.7 ^o C	65 ^o F 18.3 ^o C	
Turbidity secchi disk	125 cm	125 cm	150 cm	
Turbidity long sight tube	64 cm	50 cm	47.3 cm	
DO -Drop count	10 ppm (small air bubble)	8 ppm	9 ppm (small air bubbles)	
pH	7.2-7.4	7.0	NR	
Chlorophyll	0.3-0.4	0.3-1.0	0.4	
Salinity –	32 ppm Cl- 58 ppm TS	32 ppm Cl- 58 ppm TS	32 ppm Cl- 58 ppm TS	
Currents	Ebb - South	Ebb - South	Ebb - South	
Tides	High	High – going out	Low	
Fish	Group 1	Group 2	Group 3	
Catch	0	3	5	
Type	N/A	2 shiners 1 unidentified	All shiners	
Core -	Group 1	Group 2	Group 3	
Smell	Salty Old clay Dirt Manure	Salty Old clay Dirt Manure	Salty Old clay Dirt Manure	
Texture	Rough	Rough	Rough	Rough

	Rocky Grainy Sandy Chunky Sharp	Rocky Grainy Sandy Chunky Sharp	Rocky Grainy Sandy Chunky Sharp	Rocky Grainy Sandy Chunky Sharp
Color	Brown Yellow Black Green Grey Orange	Brown Yellow Black Green Grey Orange	Brown Yellow Black Green Grey Orange	Brown Yellow Black Green Grey Orange
Composition	Rock Pebbles Soil Sand Wood	Rock Pebbles Soil Sand Wood	Rock Pebbles Soil Sand Wood	Rock Pebbles Soil Sand Wood