## Day in the Life of the Hudson River 10/13/22 Tivoli Bay South, Redhook, NY RIVER MILE: 98

*Salt Front:* ~ *RM76* 

## **Bard College**– Andrew Patterson **Red Hook High School** - Deborah Beam

25 students & 6 adults

## **Latitude 42.01743°N & Longitude – 73.91723°W**

**Location:** Tivoli Bay South, Redhook, Dutchess County, NY **Area:** Mouth of the Saw Kill, adjacent to Hudsonia Field Station

Sampling Site: Marshy, Pipe entering the water

Surrounding Land Uses: 10% Urban/Residential, 90% Forested

**Shoreline:** Muddy, Rocky **River Bottom:** Rocky, Muddy

Water: Calm; 15 cm

Plants in the Water: 25% duckweed \*NR = Not read/recorded

Time	Reading			Comments
	I	Physical		
NR	NR		NR	
	Anemometer 16 mph		Beaufort	Direction
1:45 PM			3	S/SW
	>75% cloud cover		Start & Stop	
NR				
	T		1	
Time	Rising, Falling, Unchanged		Water Height (cm)	
Time	Cm/sec	Knots	North/South	Ebb/Flood/Still
10:00 AM	12.9°C		55.2°F	
10:00 AM	68 cm		Average of 83, 95 and 36 cm	
.1	•	hemical		
NR	246 ppm*			
11:00 AM	175 ppm			*must be some other contribution other than HR salinity
Time 10:00 AM	Temp 12.9°C X 3 readings		ppm DO NR	% saturation 97.1%, average 96.5 97.2%, 95.3 %
10:00 AM	8.85			
	Biologic	al- Did not	fish	
Number	Name		Length of longest	Length of smallest
TOTAL:	Diversity:			
Number	Name		Length of longest	Length of smallest
	NR	NR	NR	NR

Macroinvertebrate Totals	TOTA	L: Dive	rsity:					
Sediment Core – NR								
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features			
Boats- NR								
	Time	Name	Color	North/Southbound	Light/Loaded			
Commercial								
Recreational								