

Day in the Life of the Hudson River 10/22/20
QUIET COVER PARK, POUGHKEEPSIE

RIVER MILE: 78

Salt Front: ~ RM 73

**Cornell Cooperative Extension Dutchess County &
 NCLI Program from Poughkeepsie High School**

Danielle Salisbury and 13 participants

NYS DEC Fisheries - Bob Adams and Jess

Latitude 41.73506 N & Longitude – 73.93632 W



Location: Quiet Cove, Poughkeepsie, Dutchess County, NY

Area: Grassy area with parking lot, beach like waterfront

Surrounding Land Use: 60% Park, 40% Industrial/Commercial (previous industrial site)

Sampling Site: An old industrial area that has been turned into a park. Used by people for picnics, boating, and fishing. Beach with altered banks, riprap, and wooden bulkhead. Boat launch is for kayaks and canoes.

Shoreline: Rocky shoreline with altered banks

Water: 160 cm in the area with concrete embankments

River Bottom: Muddy

Water depth: 8 cm

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:10 AM	64° F		
<i>Wind Speed:</i>	10:11 AM	<1 knot		
<i>Weather today</i>	10:10 AM No rain			
<i>Weather past 3 days:</i>	Sunny no rain			
<i>Tides-</i>	<i>Time of Low Tide</i>	<i>Time of High Tide</i>	<i>Time</i>	<i>Tide during sampling</i>
	12:10 PM	6:27 PM	10:05 AM	Ebbing tide
<i>Current-</i>	<i>Time</i>	<i>cm/second</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
<i>Water Temperature-</i>	N/R	° C		
<i>Turbidity- short sight tube</i>	10:45AM	>60 cm 27 cm 26 cm (listed as JTU but the turbidity tube was actually cm)		
<i>Chemical</i>				
<i>Salinity- LR Quantab</i>	NR			

DO – Hach drop count	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:25 AM	° C	11 ppm* noted this was inaccurate	
pH –	N/R			
Nitrates- LaMotte <i>Estuary wide kit – low resolution</i>	NR			
Phosphates - LaMotte <i>Estuary wide kit – low resolution</i>	NR			
Biological				
Fish	Number	Name	Length of longest	
Seine	1	Alewife	9 cm	
	43	Spottail Shiner	10 cm	
	1	Smallmouth Bass	9 cm	
	1	American Eel	18 cm	
Fish Totals	TOTAL: 46	Diversity: 4		
Macroinvertebrates	Number	Name	Length of longest	
NR				
Macroinvertebrate Totals	TOTAL:	Diversity:		
Sediment Core	Time	Oxid Top	Grain Size	Other Features
	NA			
Boats	Time	Name/Color	North/South	Loaded/Light
Recreational	10:10 AM		2 Northbound 3 Southbound	
Observations				