

**Day in the Life of the Hudson River 10/05/2023**

**Mt. Adams Trailhead, Newcomb, NY**

**RIVER MILE: 300s**

*Hudson River Estuary Salt Front: ~ RM 52*



**Long Lake Central School-Nicole Curtin**

**ESF- Jake O'Connell**

**16 students, 9<sup>th</sup>-11<sup>th</sup> grade, 5 adults**

**Latitude 44.091643°N & Longitude -74.0593°W**



**Location:** Mt. Adams Trailhead, Newcomb, NY

**Surrounding Land Use:** 100% Forested

**Sampling Site:** 100% Forested

**Shoreline:** 25% Sandy & 75% Rocky

**Water:** Calm

**River Bottom:** 25% Sandy & 75% Rocky

**Plants in the water:** No Plants

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature-NR</i>		° C	° F	
<i>Wind Speed:</i>	11:31 AM	<i>Anemometer</i> 0.04 m/s	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	11:00 AM	<25% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Clear & unseasonably warm			
<i>Tides- N/A above the head of tide</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
				<i>Ebb/Flood/Slack</i>

		38 24 29			N/A
<b>Water Temperature-</b>		16.9°C			
<b>Turbidity- NR</b>					
<b>Chemical</b>					
<b>Standardized Salinity- Low Range Quantabs</b>	2:35 PM	Below Detection			
<b>DO – Lamotte Drop Count Kit</b>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>	
	12:26 PM	16.9°C	4 ppm		
<b>pH – Color Match Kit</b>	11:45 AM	6.2			
<b>Biological</b>					
<b>Fish-Seining</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Notes</b>	
11:00 AM-12:00 PM				Minnnows were observed but not caught	
<b>Fish Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			
<b>Macroinvertebrates- Kick Net</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>		
11:00 AM-12:00 PM	5 3 2 1 5 1 3 1	Dragonfly nymph Dobsonfly (Hellgrammites) Mayfly nymph Stonefly nymph Caddisfly larva Diving Beetle Fishfly Cranefly			
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 21</b>	<b>Diversity: 8</b>			
<b>Sediment Core -NR</b>	<b>Time</b>	<b>Oxid Top</b>	<b>Grain Size</b>	<b>Other Features</b>	

Boats-NR					
Commercial/Recreational	Time	Name	Color	Southbound/Northbound	Light/Loaded