

Day in the Life of the Hudson River 10/22/20
CORNWALL LANDING
RIVER MILE: 57
Salt Front: ~ RM 75
New York State DEC – Tom Lake
Palisades Interstate Park @ Bear Mountain- Travis Cherry
Latitude 41.44384 N & Longitude – 73.99961 W



Blueback Herring



American Shad

Location: Donahue Memorial Park, Cornwall Landing, Town of Cornwall, Orange County, NY

Area: Sandy beach

Surrounding Land Use: 100% open and grassy park

Sampling Site: Pier/dock, sandy beach, altered banks, shoreline riprap, bulkhead, collected wood and debris in area

Water: Choppy

River Bottom: Muddy, rocky

Plants in water:

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	1:00 PM	22 ° C	73 ° F	
<i>Wind Speed:</i>	1:00 PM	10 mph		South
<i>Weather today</i>	1:00 PM no rain			
<i>Weather the past 3 days:</i>	Fair, mild			
<i>Tides-</i>	<i>Time of Low Tide</i>	<i>Time of High Tide</i>	<i>Time</i>	<i>Tide at time of sampling</i>
	11:15 AM	5:14 PM	1:00 PM	Flooding
<i>Current-</i>	<i>cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR			
<i>Water Temperature</i>	1:00 PM	12.3 ° C	65.1 ° F	
<i>Turbidity- long sight tube</i>	1:00 PM	38.2 cm		
Chemical				
<i>Salinity- N/R</i>	<i>Time</i>	<i>Total Salinity</i>		
	1:00 PM	3 ppt		
<i>DO – Hach drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	1:00 PM	12.3	9	84%
<i>pH –</i>	NR			
Biological				

<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of shortest</i>
Seine	11	striped bass	9.4 cm	8.0 cm
All young of year	10	American shad	9.2 cm	8.7 cm
	155	blueback herring	7.2 cm	6.7 cm
	6	bluefish	13.5 cm	13.0 cm
	16	Atlantic silverside	9.3 cm	8.4 cm
	4	banded killifish		
	9	spottail shiner		
Fish Totals	TOTAL: 5	Diversity: 2		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of shortest</i>
	20	Bluecrab	3.5 cm	2.0 cm
Macroinvertebrate Totals	TOTAL: 20	Diversity: 1		