

Day in the Life of the Hudson River 10/22/20 Data
LONG DOCK, BEACON, RIVER MILE: 61
Salt Front: ~RM 75
Scenic Hudson- Kate Phipps and 2 staff
Latitude 41.50312 N & Longitude – 73.98696 W



Banded Killifish

Location: Long Dock Park, Beacon, Dutchess County, NY

Area: Long Dock Park- a former brownfield now public park used for fishing, launching kayaks, picnics, fieldtrips, enjoying scenic view of the Hudson River, Hudson Highlands, and Hudson Valley. Most of the shoreline on the south side is lined with trees.

Surrounding Land Use: 25% Forested; 15% Beach; 60% Other

Sampling Site: Beach area rocky with lots of sand, water chestnut and grass

Plants in area:

River Bottom: Muddy, Rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature:</i>	12:30 PM	18 ° C	68 ° F	
<i>Wind Speed:</i>	NR			
<i>Weather Today:</i>	12:30 PM No rain			
<i>Weather Previous:</i>	Mix of sun and clouds, some light rain, seasonably warm			
<i>Water Temperature</i>	12:40 PM	19 ° C	65° F	
<i>Turbidity - site tube</i>	12:15 PM	55.5 cm		
Chemical				
<i>Salinity- Low Range Quantabs</i>	12:40PM	*607 ppm Cl-	1097 ppm Total salinity	*Note the sample reached the maximum of the chart
<i>DO – Hach drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	12:40 PM	19 ° C	10 ppm	105%
<i>pH - color match kit</i>	12:50 PM	7.6		
Biological				
<i>Fish – seine –</i>	<i>Seine Number</i>	<i>Number</i>	<i>Name</i>	OVERALL
<i>Fish – seine –</i>		11	Herring, YOY	
		1	Spottail Shiner	
		1	Banded Killifish	
		1	Bay Anchovy	

		TOTAL: 14	DIVERSITY: 4	
<i>Macroinvertebrates- Seine</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	TOTAL: 0	Diversity: 0		
<i>Tides-</i>	<i>Time of Low Tide</i>	<i>Time of High Tide</i>	<i>Sampling Time</i>	<i>Direction of tide at sampling</i>
	11:26 AM	5:29 PM	12:30 PM	Flooding
<i>Currents Flow</i>	<i>Cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR			