

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 53**

Garrison Landing Park

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7th graders 34 students

41°1 N - 73°9 W



Yellow Perch @ Garrison Landing

Location: Garrison Landing Park, Garrison, Putnam County, NY

Area: Waterfront beach area on front of park primarily used for boating & picnics

Surrounding Land Use: Urban/residential 25%, Forested 30%, Beach 5%,

Industrial/Commercial 15%, Recreational 20%

Sampling Site: Pier, shore with bulkhead, riprap, grassy

Plants in area: none

Water depth:

River Bottom – muddy/rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:33 AM	54 °F		
	11:30 AM	61 °F		
	12:30 PM	60 °F		
	1:02 PM	64°F		
Wind Speed	Beaufort #	Knots	Time	Direction
	Force #0	0.0097		SE
Cloud Cover	Partly			

	cloudy in AM			
Weather today	No rain			
Weather recently	Cool, windy, partly cloudy			
Water Surface	calm			
Water Temperature	10:04 AM	15°C 16°C	59° F 60° F	15.5°C AVG 59.5° F
	11:30 AM	15°C	59° F	
	12:07 PM	16.4°C	60° F	
	1:00 PM	18°C 16 17	65° F 60 62	17°C AVG 62°F
Turbidity - secchi	10:04 AM	12 inch 12 12		12 inch
Chlorophyll				
Chemical				
DO - drop count	10:30 AM	8 mg/L	16°C	80%
pH – color match & litmus paper	Time	Reading		Averages
	10:27 AM	7 7 6.8		6.9
Salinity - quantab	10:23 AM	31.5 ppm Cl	57 ppm salinity	
Tides	Time	Tide Stick		
	10:20 AM	78 cm		
	11:10 AM	99.1 cm	rising	
	12:15 PM	127 cm	rising	
	12:49 PM	142.24 cm	rising	
Currents/Time	Cm/60 secs	Cm/Sec	Knots	Ebb/Flood/Still
10:25 AM	76.2 cm	1.27	0.24 kts	
11:19 AM	350 cm	5.83	0.113 kts.	N/Flood
12:22 PM	228.4	3.81	0.07 kts.	N/Flood
12:56 PM	820	13.7	0.27	N/Flood
Seine – 60 ft. X 94.2 ft. pull – ¼ inch mesh	TIME	SPECIES	CATCH	SIZE/CM
Seine #1	10:15 AM	Pumpkin Seed	7	12 cm

		Smallmouth Bass	2	28.5
		Spottail Shiner	5	10.5 cm
		Blueback Herring	56	8.5 cm
		Redbellied Sunfish	1	12
		White Perch	13	14.5
		Yellow Perch	2	19
		Golden Shiner	1	14
		Carp	1	13
		American Eel	3	29.5
TOTALS	10	Diversity	91	catch
Seine #2	11:30 AM	Pumpkinseed Sunfish	1	10.5 cm
		Spottail Shiner	3	9.7
		Blueback Herring	8	7.2
		Golden Shiner	1	15.5
		Gizzard Shad	4	11.6
		Striped Bass	1	11.5
TOTALS	6	Diversity	18	catch
Seine #3	12:30 PM	Spottail Shiner	1	10 cm
		Blueback Herring	24	9.5 cm
		Golden Shiner	1	7.5 cm
TOTALS	3	Diversity	26	catch
Seine #4	1:13 PM	Spottail Shiner	2	9.6cm
		Blueback Herring	6	9.5 cm
		White Perch	1	6.6
TOTALS	3	Diversity	9	catch
Grand Totals	12	Diversity	144	catch
CPUE Seine #1	10:15 AM	91 catch	0.200	
CPUE Seine #2	11:30 AM	18 catch	1.02	
CPUE Seine #3	12:30 PM	26 catch	0.703	
<i>Traffic</i>				
<i>Sediment Core</i>				
<i>Other Items</i>				