

RESULTS of Fish Survey

Tuesday, July 18 2023

Sandy Hook Bay

Bayshore Waterfront Park
Port Monmouth section of Middletown Township
719 Port Monmouth Rd, Port Monmouth, NJ 07758

Time: 7:40pm - 8:37pm (approx)
Moon Stage: New Moon
Air Temperature = 76 degrees F
Water Temperature = 78.9 degrees F
Winds = Light, Southwest at 5mph
Weather: Partly sunny, rain earlier in day.
Salinity = 18.5 ppt
Turbidity = Cloudy, near zero visibility.

Tidal Stage = Incoming tide. Next tidal Stage: High tide at 9:03pm approximately

Seaweed = An abundance of Sea lettuce (*Ulva*). Scattered amounts of Rhodophyta gracilaria (red algae or red-branching filaments), Agardh's Red Weed (*Agardhiella* sp.) along the edge of the beach.

Interesting Items found on the beach:

- An adult male blue-claw crab shell
- Skull of a juvenile Striped Bass
- Spider crab shell molts
- Channel Welk shell.
- Remnants of a Red-Beard Sponge
- An abundance of horseshoe crab molts found on the beach along the high tide line.

Life found in Seine Net

100 (approx) Atlantic Silversides or spearing (*Menidia menidia*). Around 95% were juvenile or YOY (young-of-the-year), hatched out of eggs a few weeks ago.

2 YOY Green Crabs (*Carcinus maenas*)

2 Sea Squirt (*Molgula manhattensis*)

2 juvenile Blue Mussels (*Mytilus edulis*)

1 YOY Atlantic Menhaden (*Brevoortia tyrannus*)