

THE INSTITUTE OF MARINE SCIENCES AT THE UNIVERSITY OF NORTH CAROLINA USES PESOLA SPRING SCALES / FISHING SCALE FOR RESEARCH

The research team at the University of North Carolina at Chapel Hill's Institute of Marine Science conducts basic and applied research exploring ecosystem service delivery of biogenic habitats such as oyster reefs, sea grass, and saltmarsh. Identifying the value and function of these habitats within the seascape is a central component of conservation and management efforts to protect these valuable resources and the animals that depend on them. These estuarine habitats are essential to the growth and success of many ecologically and economically important fish, shrimps, and crabs (referred to as nekton). These animals use these habitats to acquire food and hide from larger predators. Globally, estuarine habitats are experiencing significant declines do to anthropogenic impacts. The research is designed to better identify how factors such as climate change, spatial habitat configuration, habitat loss, sediment supply rate, seasonality, and water quality influence spatiotemporal patterns in how various fish, shrimp, and crabs use these individual habitats. Understanding these metrics allow managers to better apply limited resources towards conservation efforts that focus on the essential habitats that are most valuable to the ecosystem and the animals that rely on them.

The research team of the Institute of Marine Sciences spends many hours in the field collecting marine nekton to understand how their abundance changes in space and time (spatiotemporal). Quantifying the abundance of nekton requires accurate measurements of the biomass of target animals collected across broad spatial and temporal gradients.





“We have been using PESOLA spring scales / fishing scales for over ten years to accurately measure the weights of nekton collected using various sampling gears. PESOLA spring scales / fishing scales are particularly useful for our research because of the variety of sizes available to customers. During a single day of nekton sampling our study species may range from small fish and crabs (< 5cm) to large sharks and rays (>2m). The variety of scale sizes offered by PESOLA provides our research team with accurate and reliable options for collecting biomass data on the diversity of animals collected during our sampling efforts. PESOLA is the only company with reliable options that meet the needs of our research. Additionally, the scales receive heavy usage in harsh environments. We value PESOLA spring scales / fishing scales for their ability to continue to function accurately under such heavy usage” says Matt Kenworthy Research Specialist / Lab Manager at the Institute of Marine Sciences at the University of North Carolina.

Company Information:

For over 70 years Pesola Präzisionswaagen AG based in Switzerland produces high precision spring scales. PESOLA spring scales gained a world-wide outstanding reputation based on its Swiss precision and quality. No matter if industry, research or education, wherever precise mechanical measuring is needed, PESOLA spring scales are used.