Area, Distribution and Abundance of Razor Clam (Solen sp.1) in Samut Sakhon Province

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Abstract

The study on area, distribution and abundance of the razor clam (Solen sp.1) along the coast line of Samut Sakhon Province was carried out during October 1999 - September 2000. The total habitat area of razor clam was approximately 618.75 rai (991,085 m²) at 300-1,000 meters from shore. The area was limited between 1491565 m N 641890.9 m E, 1491529 m N 641819.1 m E, 1490795 m N 641805 m E, 1491092 m N 643114.1 m E, 1490670 m N 643067 m E, 1490364 m N 642886.9 m E. The soil composition consisted of the average of sand, silt, clay and organic matter 31.57±17.33, 48.37±16.76, 20.06±12.13 and 1.74±0.76 % respectively. The razor clams were distributed in range of 300-1,000 meter far from the coast line at the density between 1-15 individuals/ m² or 3.5 individuals/ m² in average. The sizes of razor clams were 15.5-45.5 mm in length and 1.06±0.46 gram in weight.

Key words: Razor clam, Area, Distribution, Density, Soil quality