

Behavior Studies Leading to the Development of an Electro-shrimp Trawl System

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Abstract

The scenes presented in this film show some of the methods used to collect information on the behavior of electrically stimulated burrowed shrimp, which led to the development of a successful electro-shrimp trawl system.

Shrimp trawling, shrimp handling techniques—both aboard the vessel and underwater—collection of environmental data, and methods of observation are shown. Electrical stimulation equipment and underwater photographic techniques are also depicted.

Escape reaction of electrically stimulated shrimp burrowed in sand and mud are shown in detail, including the effects of pulse rate, voltage and bottom type.

Organizations interested in this film should request it from the Bureau of Commercial Fisheries, Exploratory Fishing and Gear Research Base, Pascagoula, Mississippi.
