

Purse-seine Detection Equipment Form

Instructions

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Introduction

In March, 2009 the Purse-seine Detection Equipment Form was created to monitor the presence and capabilities of the different detection equipment on board tuna vessels, as well as to track the evolution of detection equipment technology over the years.

Introduction for the collection of data

The form should be completed for every observed trip aboard tuna purse-seiners. Most of the equipment can be recorded by checking off the presence of the equipment on the form.

Form fields

Vessel and form information

Trip no. The trip number assigned to this vessel.

Vessel The vessel name.

Date The date that the information was recorded.

Page ___ of ___ The current page and total number of pages used to record the vessel equipment information.

Detection equipment

This section is used to record information about sonar, bird radar, echo sounder, and computer (PC) programs present on board the vessel. Use the columns on the bottom half of the form labeled 'Other equipment 1' and 'Other equipment 2' to describe other types of equipment, or for the same type of equipment present more than once, even if the duplicate equipment is the same make and model. Use additional pages if necessary.

Make Describes the brand/manufacturer of the equipment.

Model Describes the model of the equipment.

Equipment capabilities

Graphic estimation of school tonnage Check if the equipment displays a graphic estimation of the volume of the school.

Identification of detected species Check if the equipment displays information about the identification of the species detected.

Up to 360° scan coverage Check if the equipment scan range covers a full circle.

Up to 180° scan coverage Check if the equipment scan range covers a half circle.

Search range Check the most appropriate response.

Up to 5,000 m search range Check if the equipment can search up to 5,000 m distance.

Up to 10,000 m search range Check if the equipment can search up to 10,000 m distance.

More than 10,000 m search range Check if the equipment can search more than 10,000 m distance.

Visual detection of beeper Check if the equipment can physically detect (visually, by a spot on the screen or by a signal emitted by a radar reflector) a beeper.

Detection of small floating objects Check if the equipment can physically detect (visually, by a spot on the screen, etc.) a small floating object.

Other Check if any other equipment capabilities not mentioned above are present. Use as many “other” capabilities as necessary.

Comments

Describe any additional useful information related to the equipment, or any other observation you may want to record.