

Discard survival of undersized plaice in the Danish seine fishery

AIM

To estimate the discard survival of undersized plaice in the Danish seine fishery.

TARGET SPECIES

European plaice (*Pleuronectes platessa*)

AREA, VESSEL

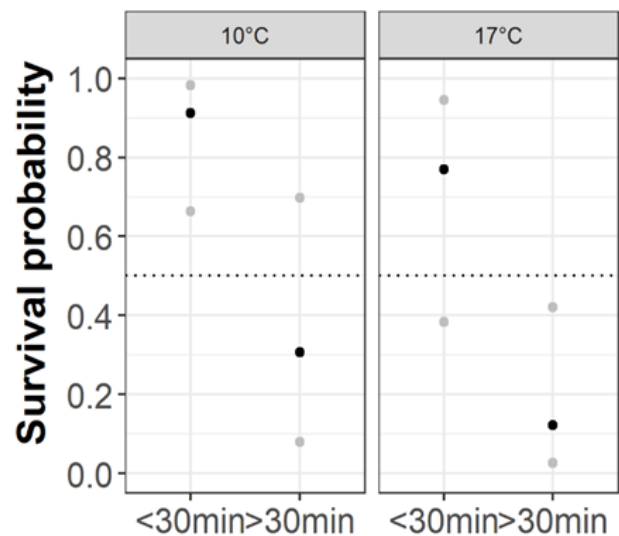
Skagerrak (ICES IIIa) on board S15 Vera-Marie (16.1 m, 142 kW)

FISHING OPERATIONS

A standard commercial Danish seine net with diamond mesh size of 125 mm (nominal) was fished.

The catch was sorted on deck following usual commercial practise.

Undersized plaice that would previously have been discarded, were placed in specially designed holding tanks.



Air exposure (in minutes)

Discard survival as a function of air exposure and bottom temperature (black) with 95%-confidence intervals (grey).

RESULTS

On average 78% of 281 undersized plaice survived after 14 days in captivity.

The trials demonstrated that survival is better when the temperature on the sea bed is low and the exposure to air is short.

FURTHER INFORMATION

Junita Karlsen (juka@aqua.dtu.dk)

