

6 Fish recruitment (Young-of-the-year)

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During this survey the main distribution of most of 0-group species were not covered due to lack of cover in the southeastern Barents Sea (see section “Survey execution 2018” in the report). Therefore, 0-group fish abundance indices were not calculated for the 2018 and distribution maps presented only (Figure 6.1.1-6.11.1). The density legend in the figure is based on the catches, measured as number of fish per square nautical mile. More intensive colouring indicates denser concentrations.

6.1 Capelin (*Mallotus villosus*)

In 2018, the highest concentrations of capelin were found in the north-central Barents Sea, and was similar to 2016-2017.

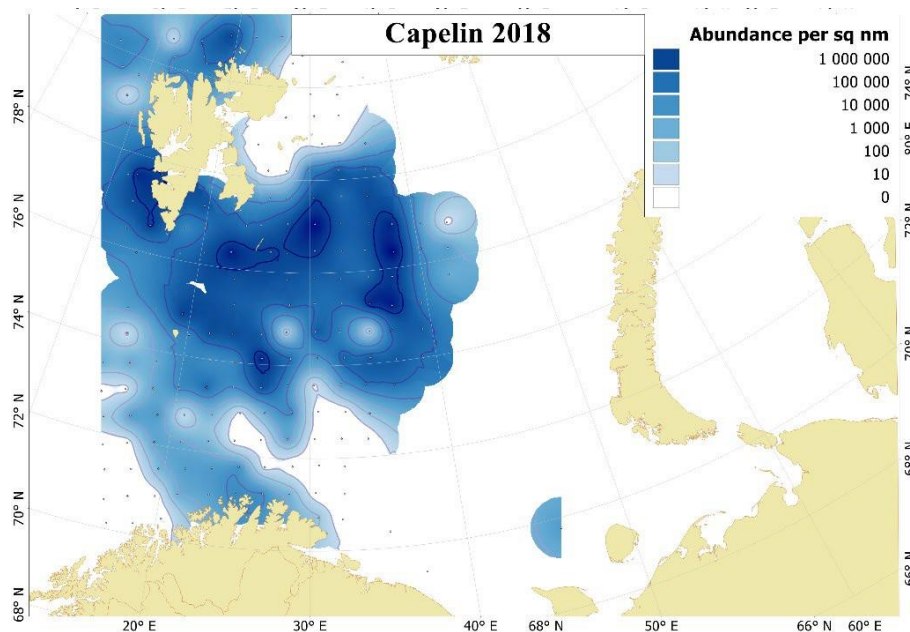


Figure 6.1.1. Distribution of 0-group capelin, August-October 2018. Dots indicated sampling locations.

6.2 Cod (*Gadus morhua*)

Cod of medium and low concentration were found within the covered area, west of Norwegian Russian boarder. The main dense concentrations were locally found in the central part of the sea (Fig. 6.2.1).

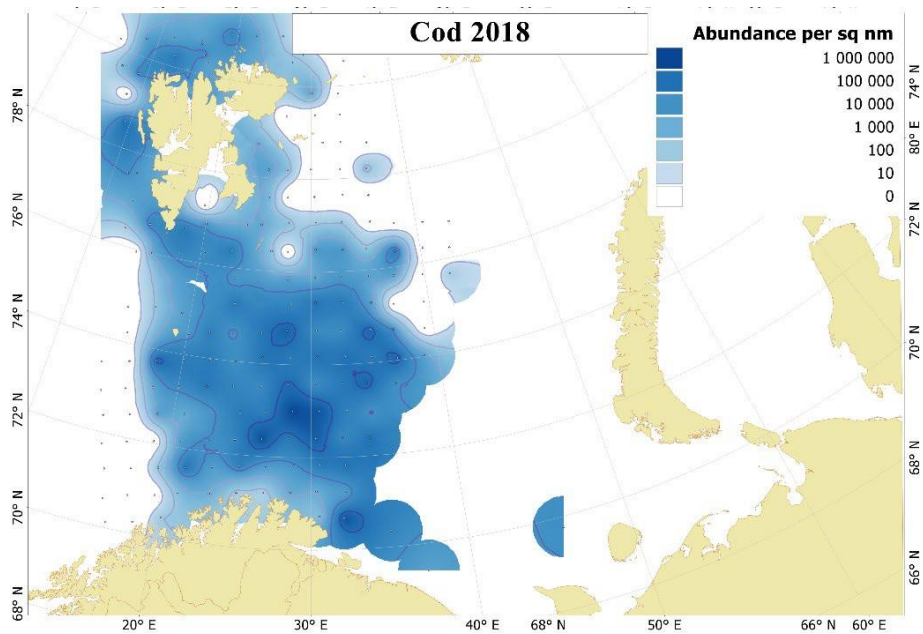


Figure 6.2.1. Distribution of 0-group cod, August-October 2018. Dots indicated sampling locations.

6.3 Haddock (*Melanogrammus aeglefinus*)

0-group haddock distributed widely in the western and central part of the survey area in 2018 (Figure 6.3.1). The main dense concentrations were found locally in the central Barents Sea.

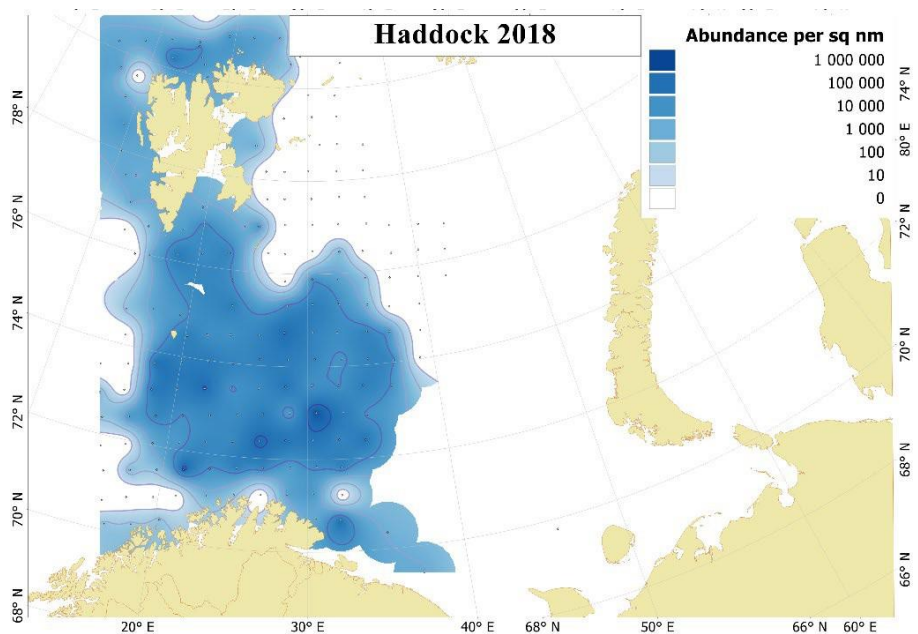


Figure 6.3.1. Distribution of 0-group haddock, August- October 2018. Dots indicated sampling locations.

6.4 Herring (*Clupea harengus*)

In 2018, herring were distributed in the central and north western Barents Sea. The dense concentrations of herring were found south from Svalbard (Spitsbergen) (Fig. 6.4.1).

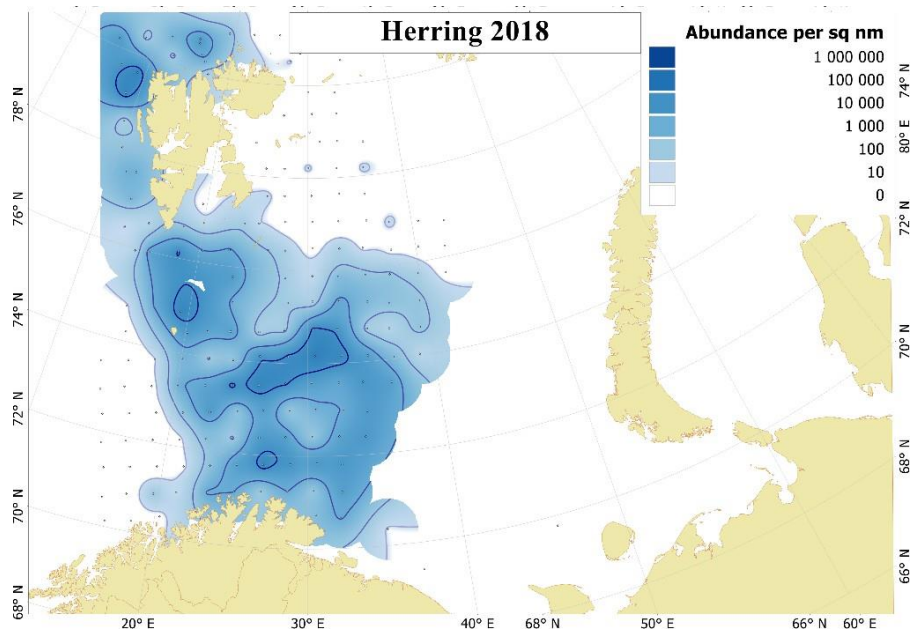


Figure 6.4.1. Distribution of 0-group herring, August- October 2018. Dots indicated sampling locations.

6.5 Polar cod (*Boreogadus saida*)

In 2018, the western component was covered only (Figure 6.5.1). Polar cod were widely distributed with denser concentration east of the Svalbard (Spitsbergen).

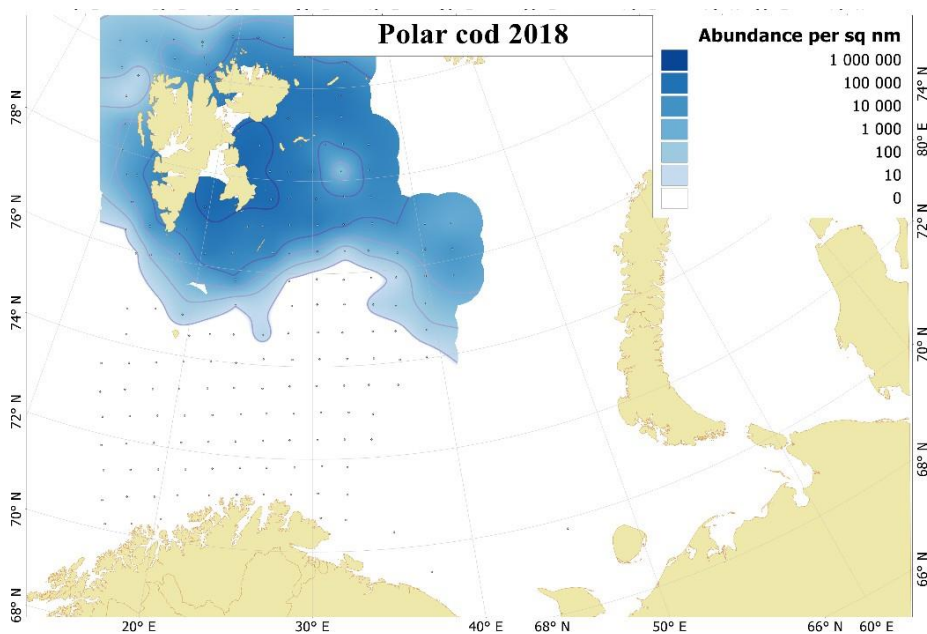


Figure 6.5.1. Distribution of 0-group polar cod, August-October 2018. Dots indicated sampling locations.

6.6 Saithe (*Pollachius virens*)

Saithe were found in the central and coastal (northern Norwegian and Russian coast) areas in 2018.

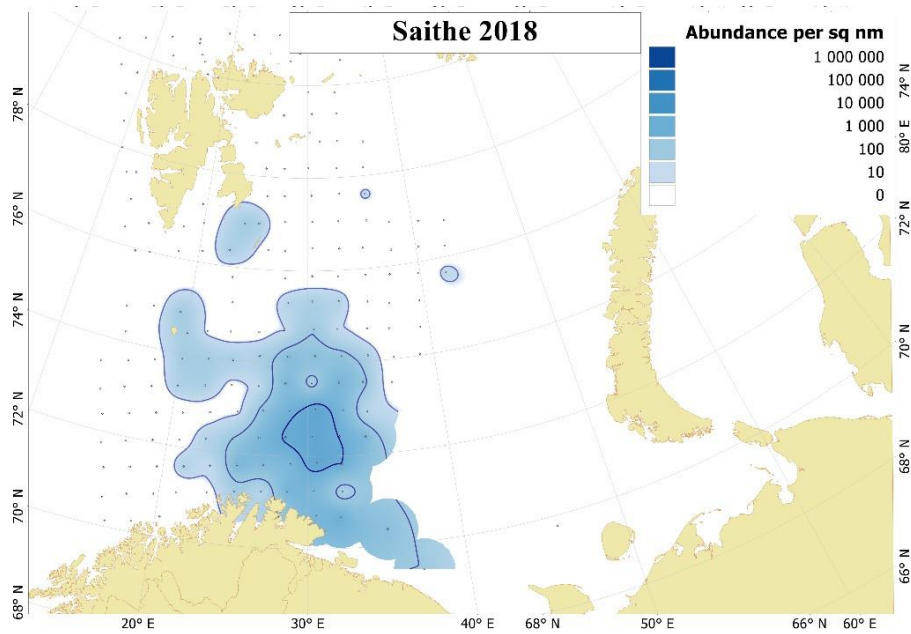


Figure 6.6.1. Distribution of 0-group saithe, August-October 2018. Dots indicated sampling locations.

6.7 Redfish (mostly *Sebastes mentella*)

0-group redfish was distributed north of Norwegian coast and south and west of Svalbard (Spitsbergen) in 2018 (Figure 6.7.1). The densest concentrations were found west of Svalbard (Spitsbergen).

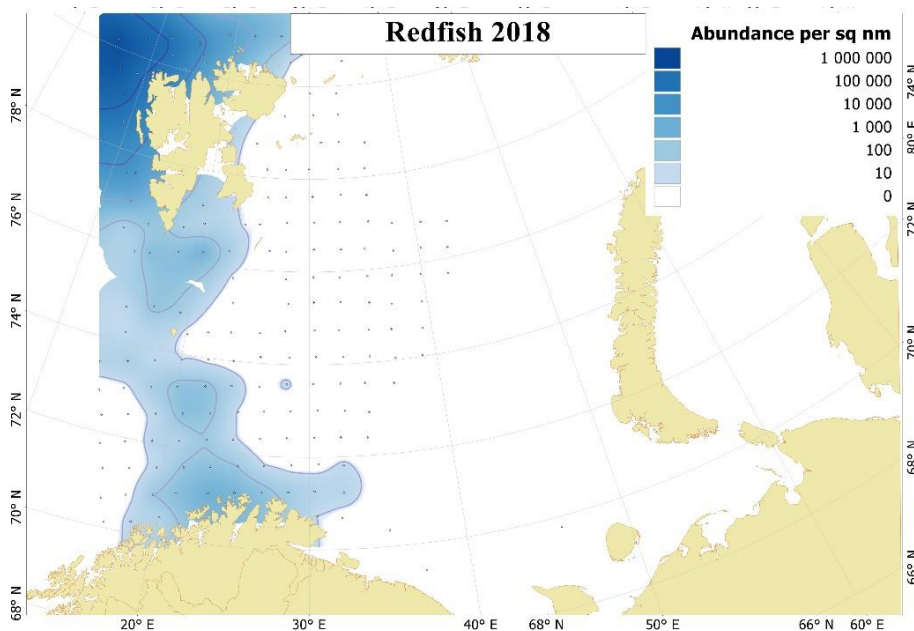


Figure 6.7.1. Distribution of 0-group redfishes (mostly *Sebastes mentella*), August- October 2018. Dots indicated sampling locations.

6.8 Greenland halibut (*Reinhardtius hippoglossoides*)

0-group Greenland halibut was distributed west, north and east of Svalbard (Spitsbergen) in 2018 (Figure 6.8.1).

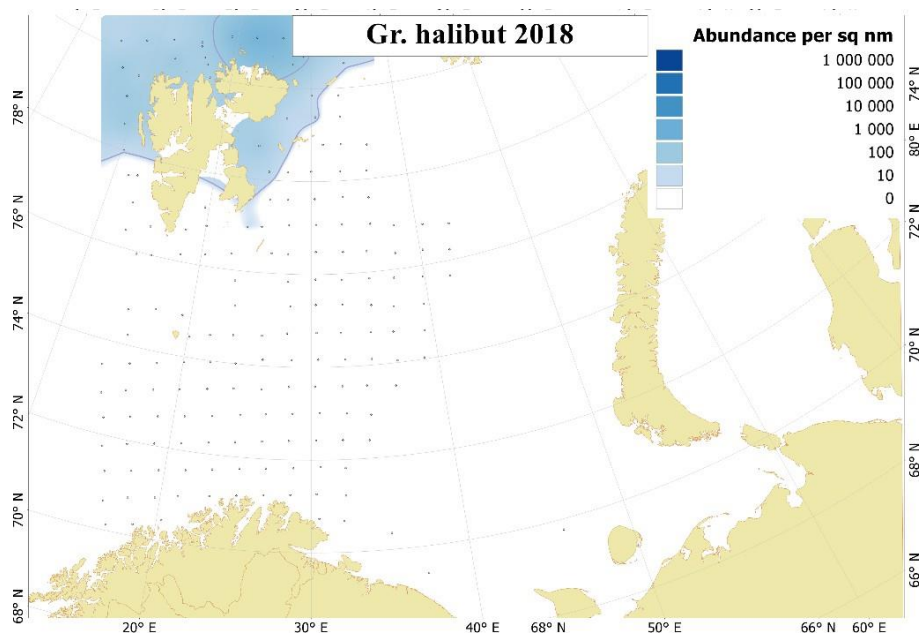


Figure 6.8.1. Distribution of 0-group Greenland halibut, August-October 2018. Dots indicated sampling locations.

6.9 Long rough dab (*Hippoglossoides platessoides*)

0-group long rough dab was found in the north part of the Norwegian EEZ, north of the 74 °N in 2018 (Figure 6.9.1).

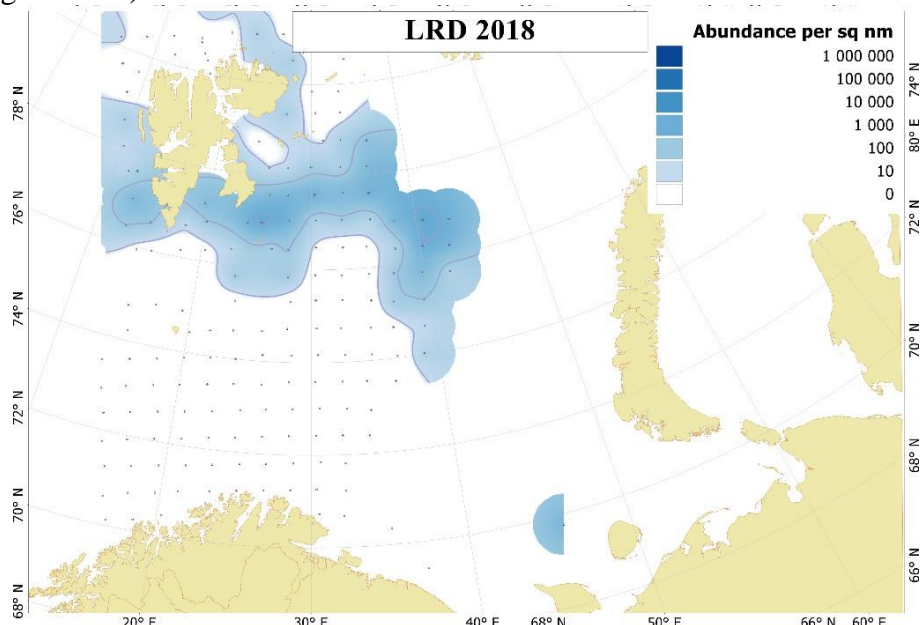


Figure 6.9.1. Distribution of 0-group long rough dab, August-October 2018. Dots indicated sampling locations.

6.10 Wolffishes (*Anarhichas sp.*)

There are three species of wolffish live in the Barents Sea: Atlantic wolffish (*Anarhichas lupus*), Spotted wolffish (*Anarhichas minor*) and Northern wolffish (*Anarhichas denticulatus*). 0-group of Atlantic wolffish and Spotted wolffish were found west, north and east of Svalbard (Spitsbergen) and in the central part of the Barents sea in 2018 (Fig. 6.10.1). One specimen 0-group of Northern wolffish was found in the central part of the Barents Sea.

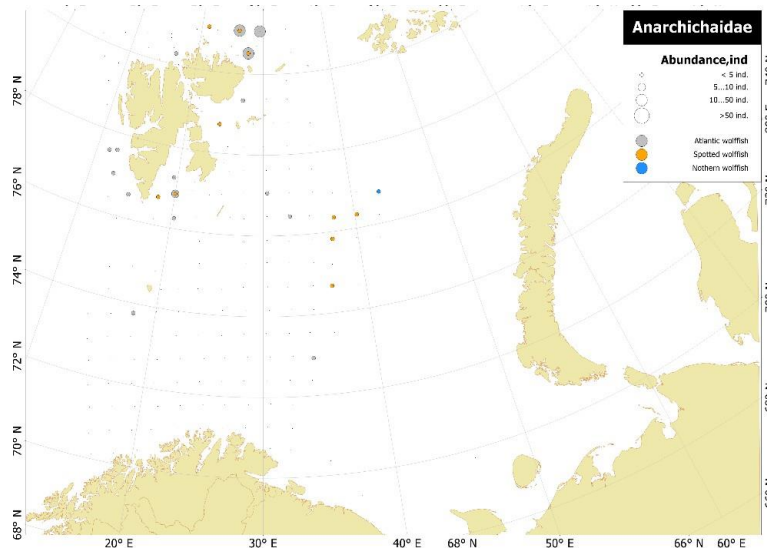


Figure 6.10.1. Distribution of 0-group wolffishes, August-October 2018. Dots indicated sampling locations.

6.11 Sandeel (*Ammodytes marinus*)

In 2018, 0-group sandeel were found in the western and central the Barents Sea (Figure 6.11.1).

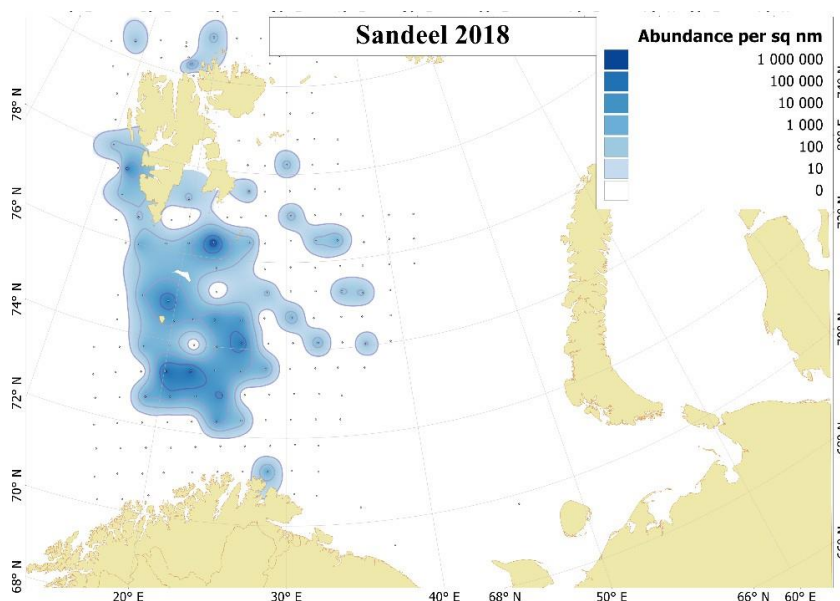


Figure 6.11.1. Distribution of 0-group sandeel, August-October 2018. Dots indicated sampling locations.