

2025-10-07

Interim cruise report no "08.01.2025, 21.04.2025-02.05.2025, Jnr. 25/335".

The following interim report no "08.01.2025, 21.04.2025-02.05.2025, Jnr. 25/335" is part of the fulfillment of the conditions to enter Norwegian zone with the research vessel Svea given by permit "25/335"

Final results are to be presented in the ICES working groups WGNeps 2025 report (planned during winter 2025/2026).

Participants

Svea skipper Peter Kasesjö and crew and from SLU Aqua:
Erika Norlinder, Emmelie Hammenstig-Åström, Baldvin Thorvaldsson and Anders Wernbo. The scientific officer and cruise leader was Patrik Jonsson.

Objectives

The cruise is part of the joint Swedish-Danish survey to cover the Nephrops (Norwegian lobster) fishing grounds in the Skagerrak and Kattegat area coordinated through ICES working group WGNeps. A video camera mounted on a sledge is towed along the bottom in short segments (approx. 200 m) at about 100 station. In case of steep topography, rocky bottoms etc the sledge can be moved up to 500 m to seek a more suitable bottom for towing without risking entanglements or poor bottom contact. In subsequent video analysis, the nephrops burrows are counted manually and estimated burrow density is part of the assessment and quota calculations coordinated by the ICES.

Itinerary

Sweden is using the research vessel Svea (call sign **SEYB**) and Svea left Lysekil the 2025-04-24 travelling first north and arrived in Lysekil at 2025-04-30. No foreign port calls were made during the cruise. The four planned stations in the Norwegian EEZ were sampled during April 25th. Samples were carried out according to plan. The cruise track and visited stations in the Skagerrak/Kattegat is visualized in the map below.

Achievements

The Swedish part of the survey covered 94 planned stations in the trawling part of the survey area. Of these stations four were located in the Norwegian part of the Skagerrak. The resulting bias corrected densities of nephrops burrows at the Norwegian stations are shown in the table below.

Table. Burrow density at Norwegian stations

Station	Latitud	Longitud	Burrow density (no/m2)
S6C0098	58.83333	10.46667	0.27
S6C0149	58.81111	10.31111	0.32
S6C0294	58.75556	10.35556	0.17
S6C0349	58.73333	10.4667	0.13

2025 April 24-30. Swedish UWTV survey R/V Svea

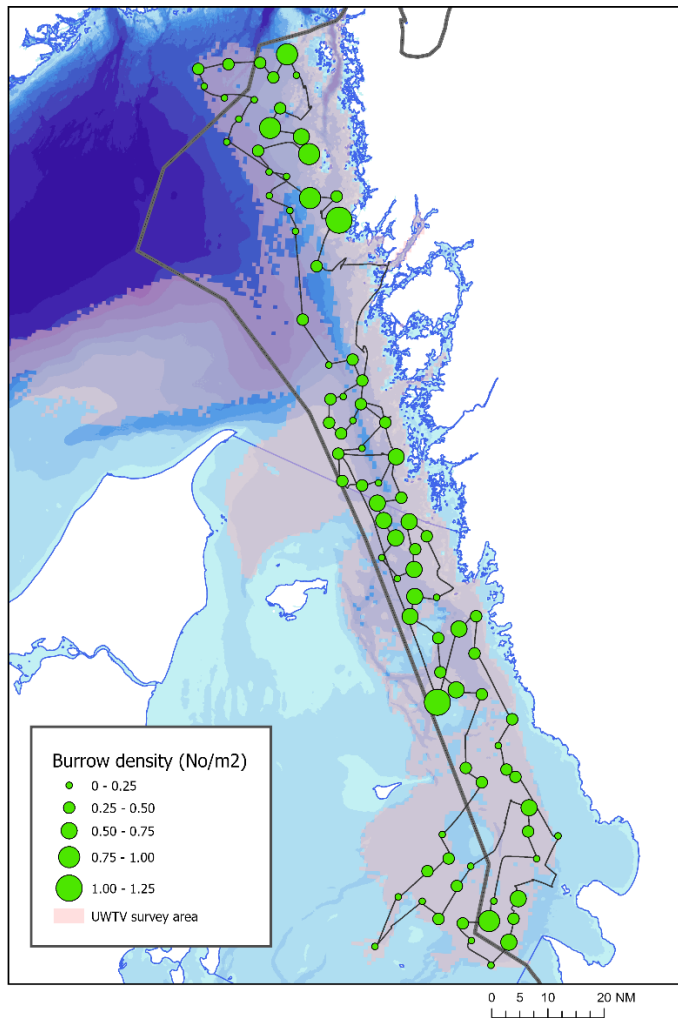


Figure. Cruise track and resulting burrow densities from valid stations in the Skagerrak and Kattegat SVEA during the Nephrops UWTV survey (FU 3 & 4) 2025.

