

**Seabird counting during the arctic cruise of r/v "Oceania"
from Bear Island to Spitsbergen (July 1993)
AREX' 93**

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Methods

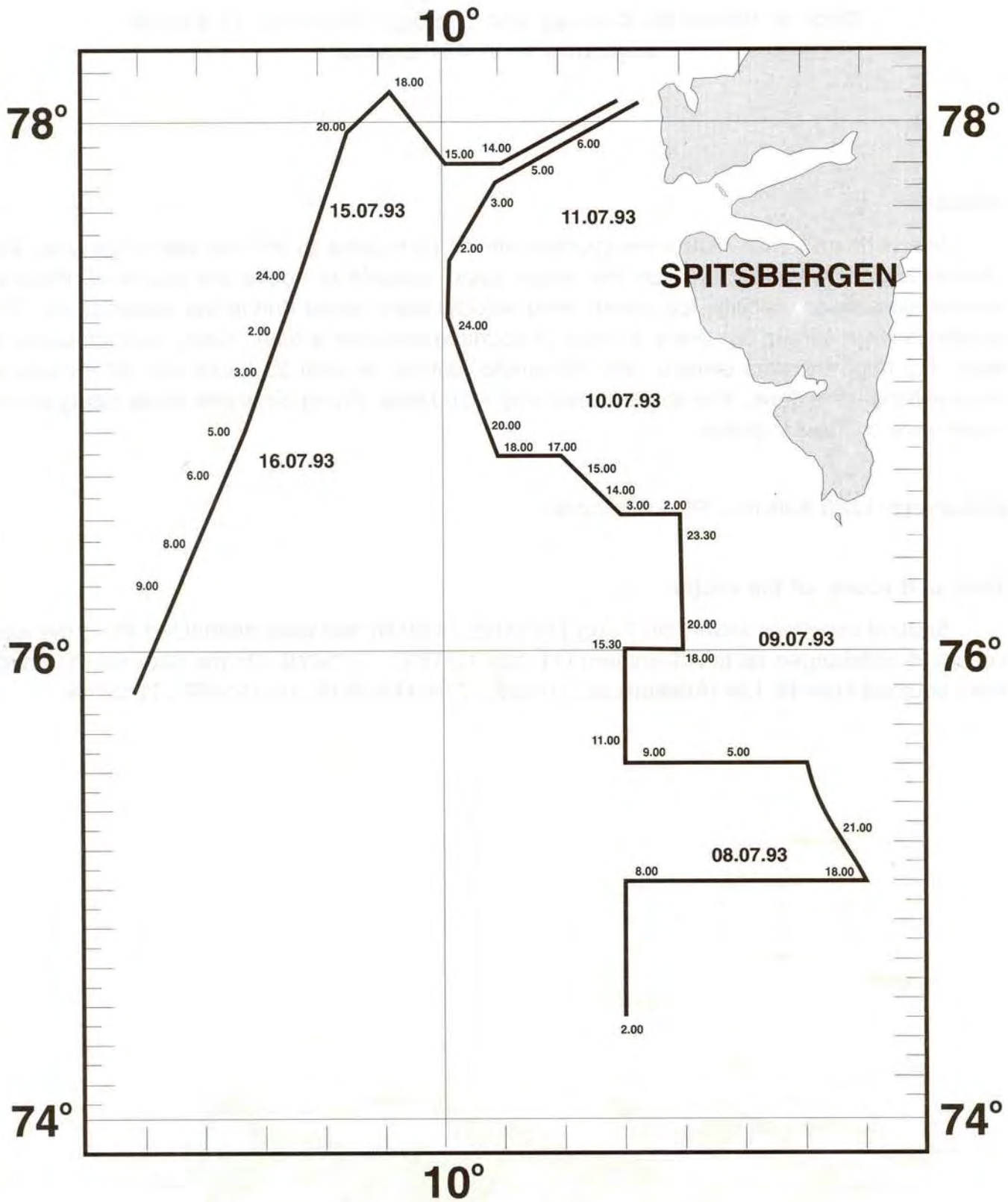
Sea birds and mammals were counted within 300 m zone by the one side of the ship. The observation point was situated on the bridge deck, about 4 m above the sea level. Weather conditions such as visibility, ice cover, wind velocity were noted during the observations. The countings were carried out every 3 hours (8 counting sessions a day). Each session lasted at least 0.5 hour and was divided into 10 minute periods. In total 28 hours and 50 minutes of observations were done. The ship's speed was 4-10 knots. Flying birds and those sitting on the water were counted together.

Observers: Lech Kotwicki, Piotr Wieczorek.

Time and route of the cruise

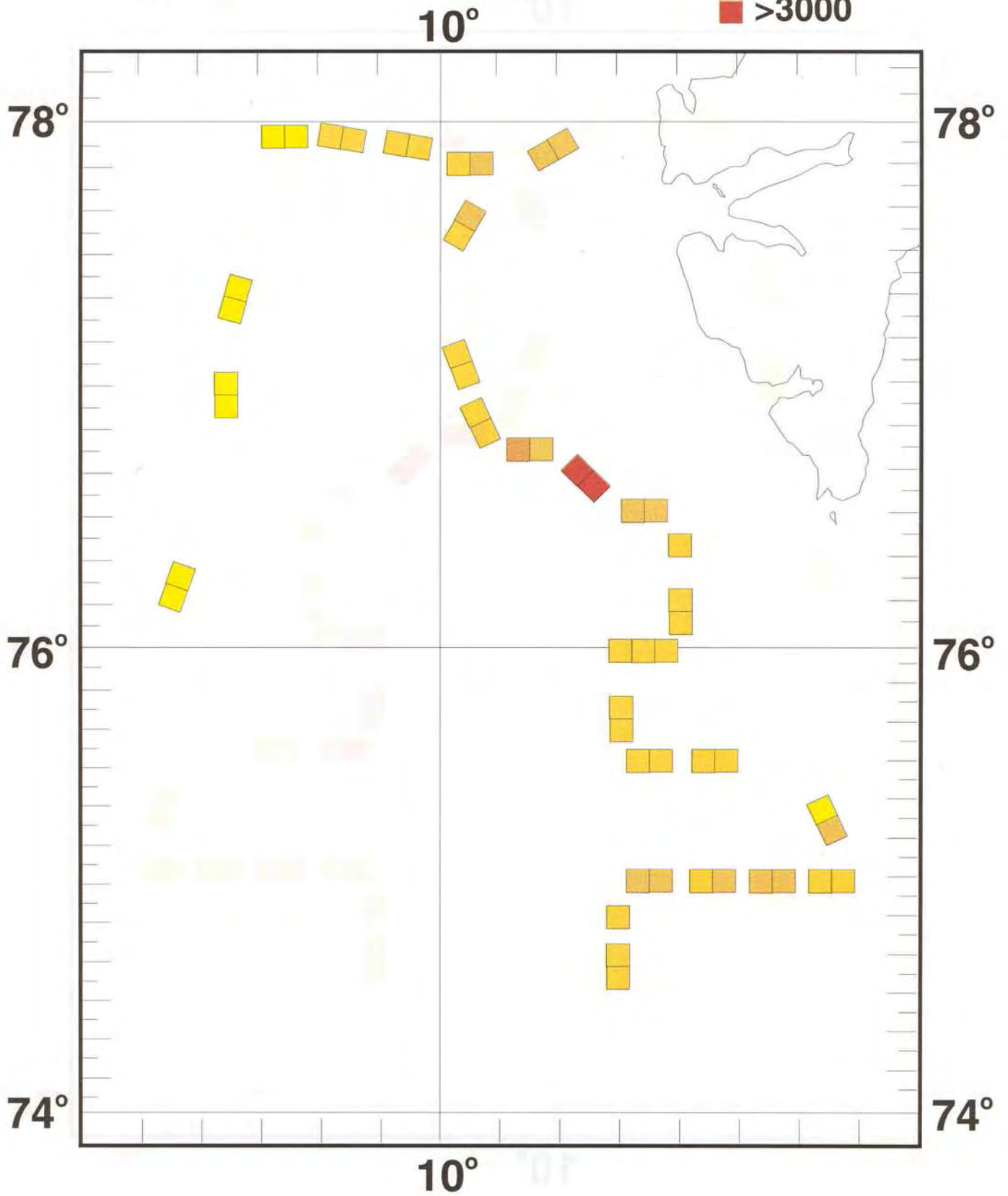
Seabird censuses started on 7 July (13°00'E; 74°30'N) and were conducted along the west coasts of Spitsbergen up to Adventfjord (11 July 13°10'E , 77°50'N). On the back way the birds were counted from 15 July (Adventfjord; 11°10'E , 77°50'N) till 16 July (5°30'E , 76°20'N).

Route of r/y "Oceania" during cruise from Bear Isl. to Svalbard 7 - 16.07. 1993

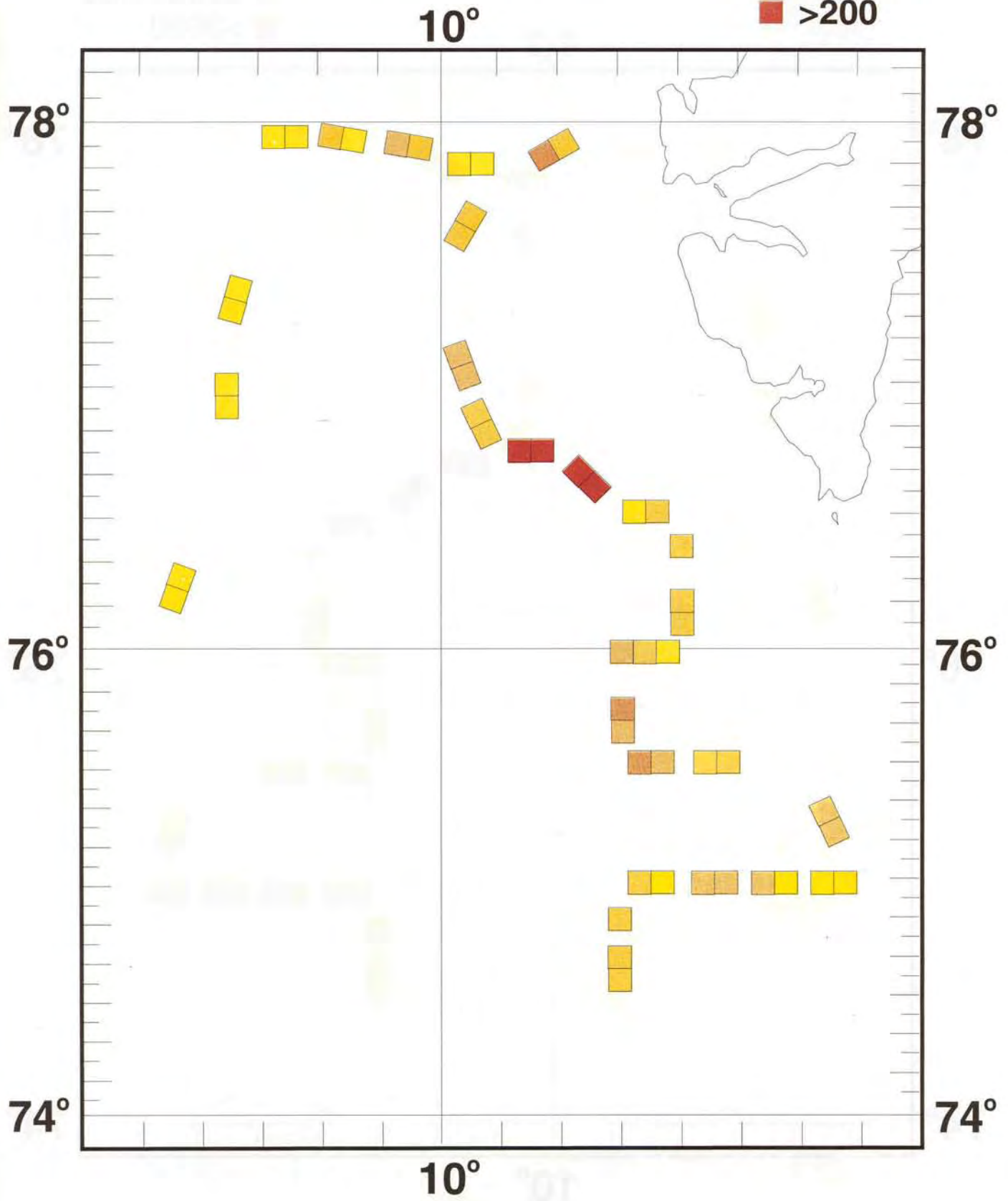
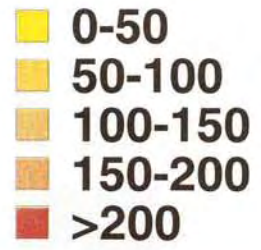


Fulmarus glacialis

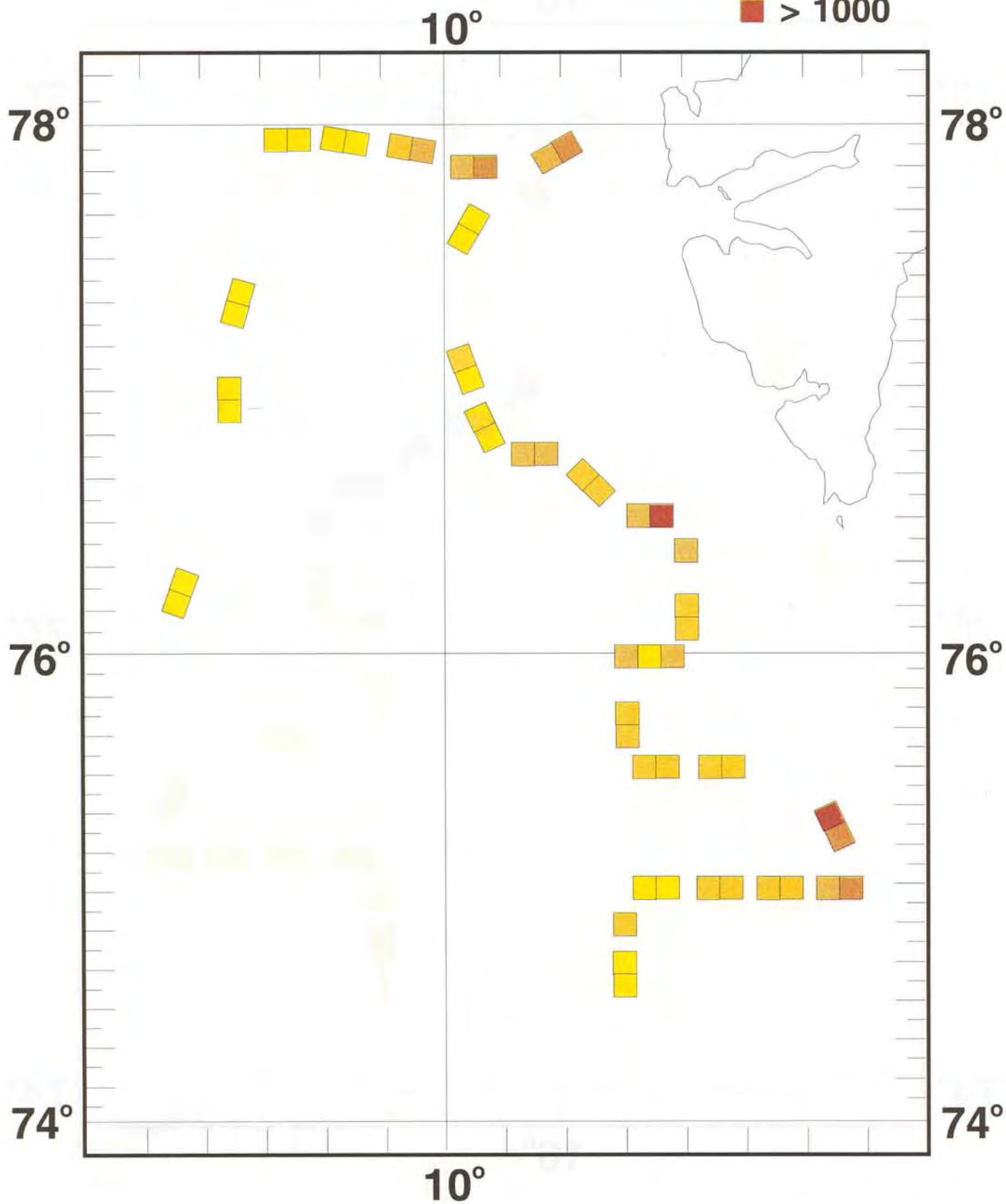
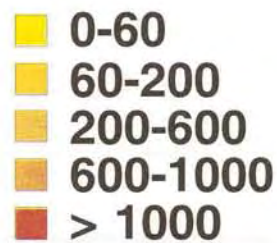
- 0-300
- 300-1000
- 1000-2000
- 2000-3000
- >3000



Rissa tridactyla

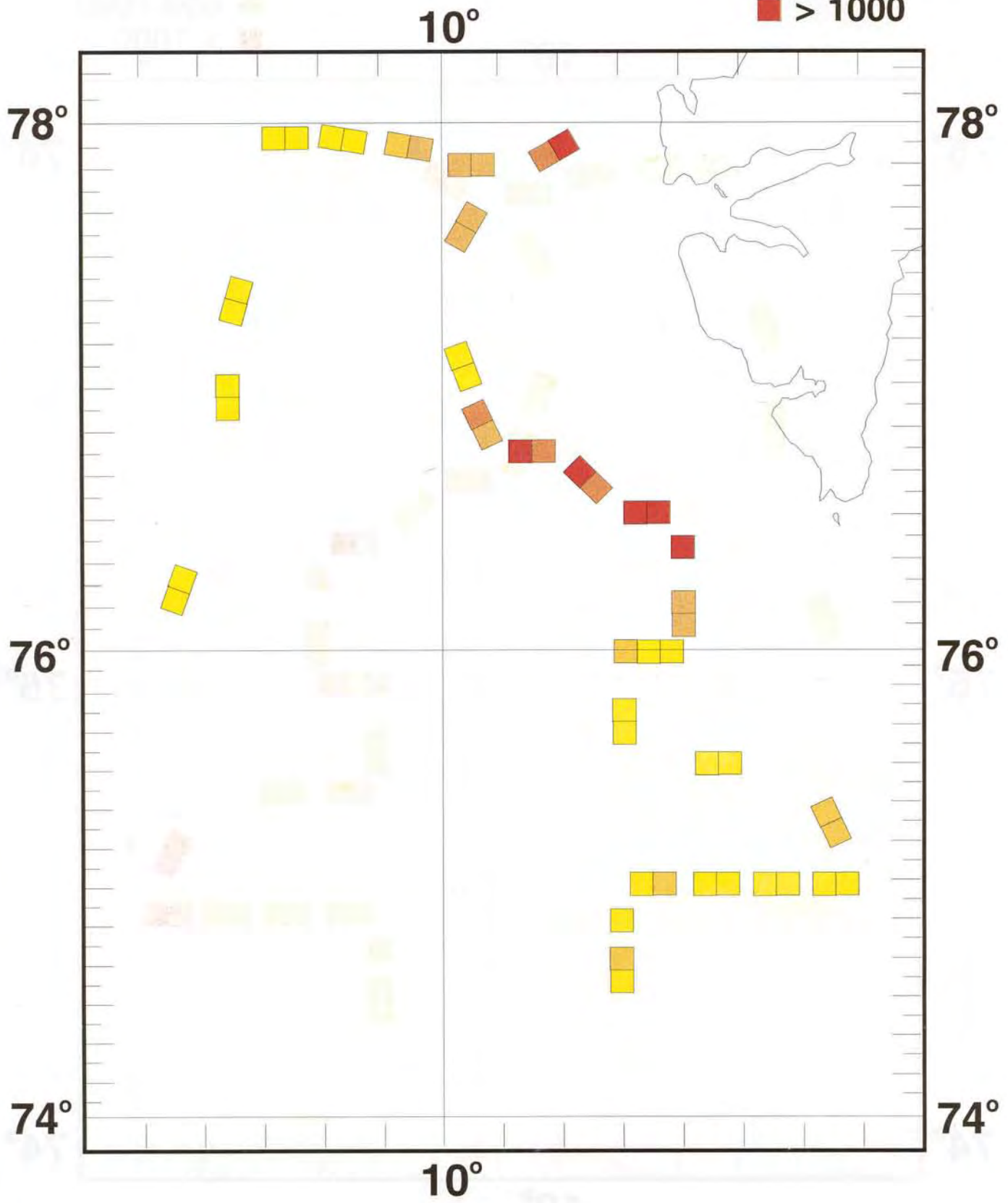


Uria sp.



Alle alle

- 0-60
- 60-200
- 200-600
- 600-1000
- > 1000



Fratercula arctica

- 0-10
- 10-20
- 20-40
- 40-60
- >60

