## XII PINRO/IMR Symposium

21-22 August 2007 Polar Environmental Center, Tromsø

## Spatial migration pattern of deep-sea redfish (Sebastes mentella Travin) in the Barents Sea as inferred from long-term research survey series.



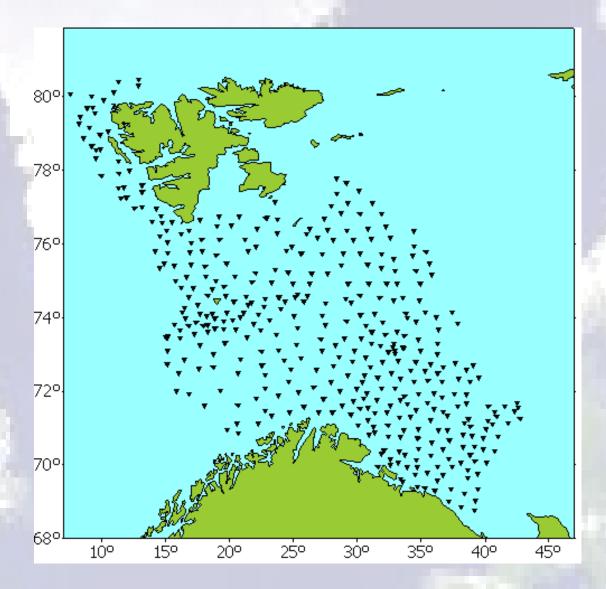
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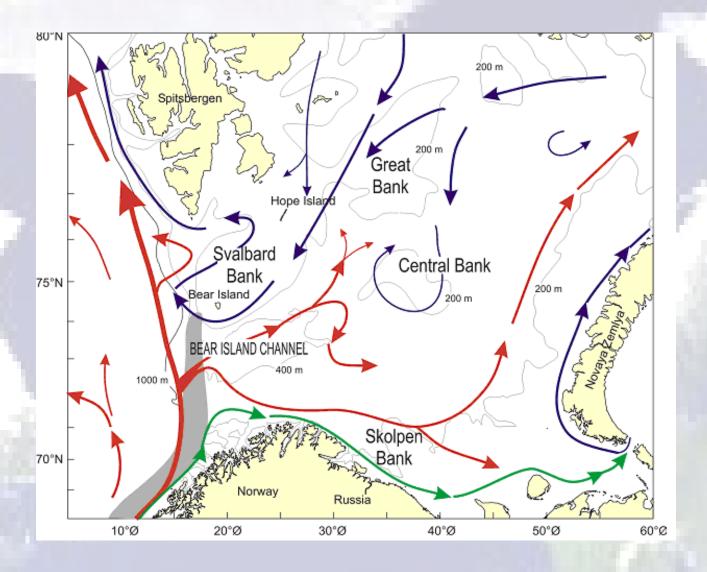


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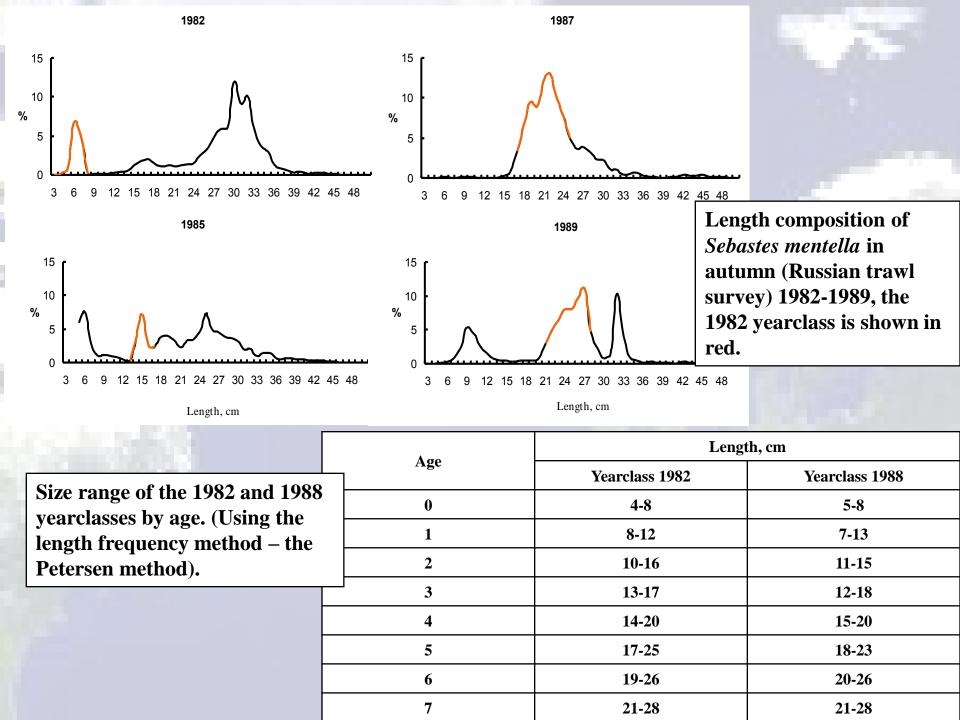


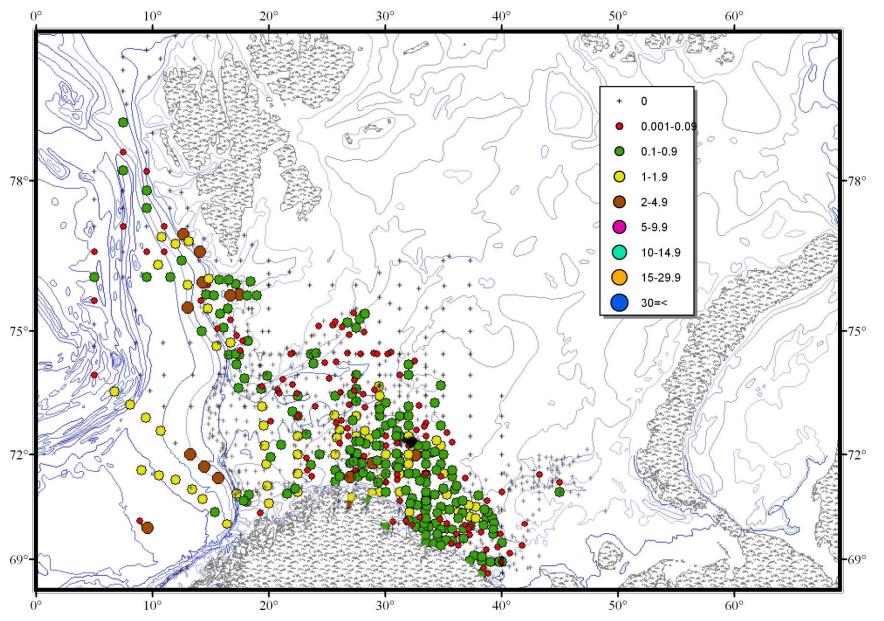
Positions of trawl stations during the annual Russian and Norwegian trawl surveys in autumn.



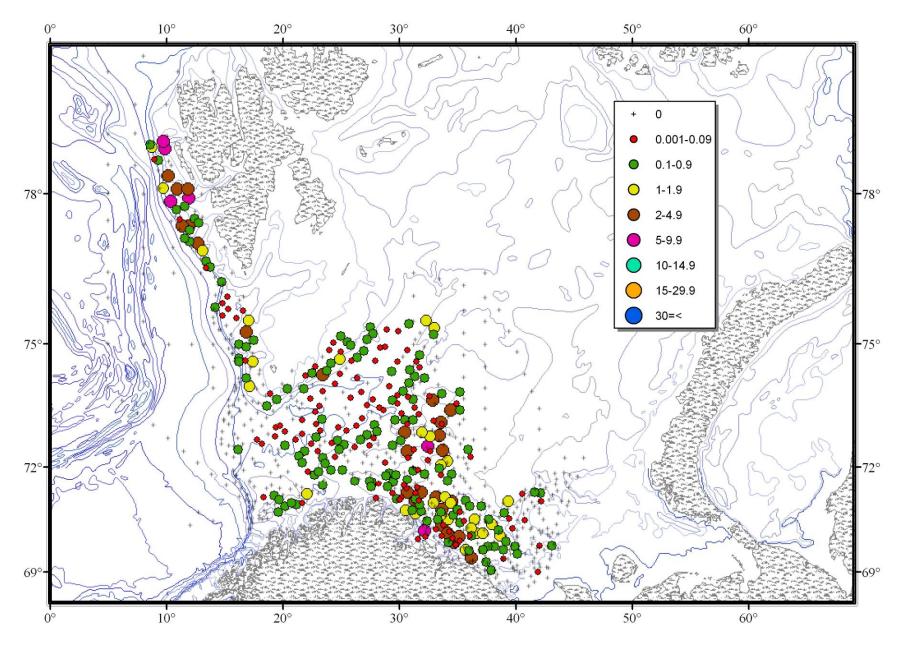
Dominating prevalent current systems in Norwegian Sea/Barents Sea. Red (Atlantic water) and green arrows (coastal water) – warm, dark blue – cold currents.

Spawning area of Sebastes mentella has been emphasized (grey area).

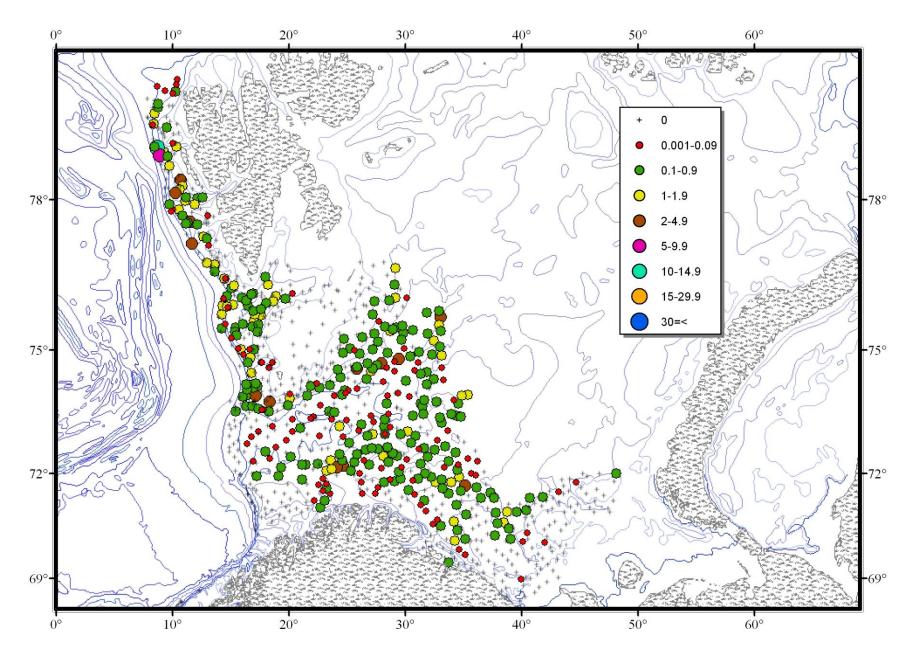




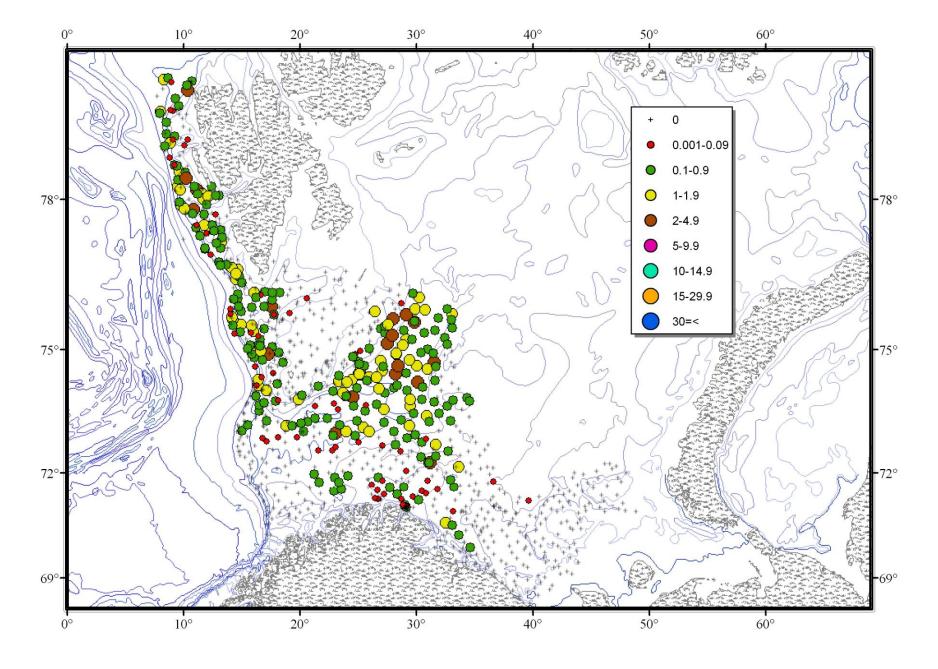
Distribution of *S.mentella* at age 0 (yearclass 1982) in 1982. (Circles represent position of tows; their diameter corresponds to percentage of yearclass caught in a given position of its total catch during the survey)



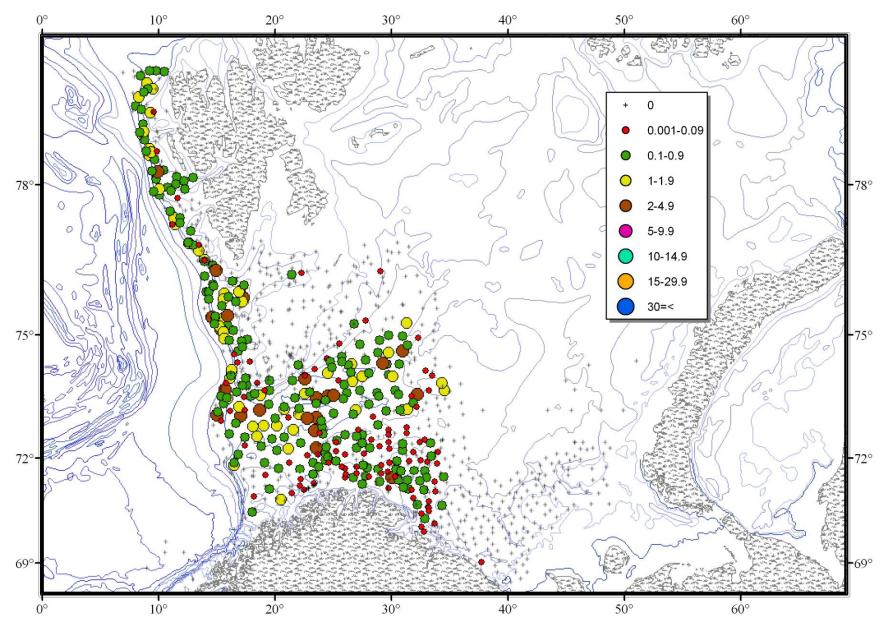
Distribution of *S.mentella* at age 1 (yearclass 1982) in 1983.



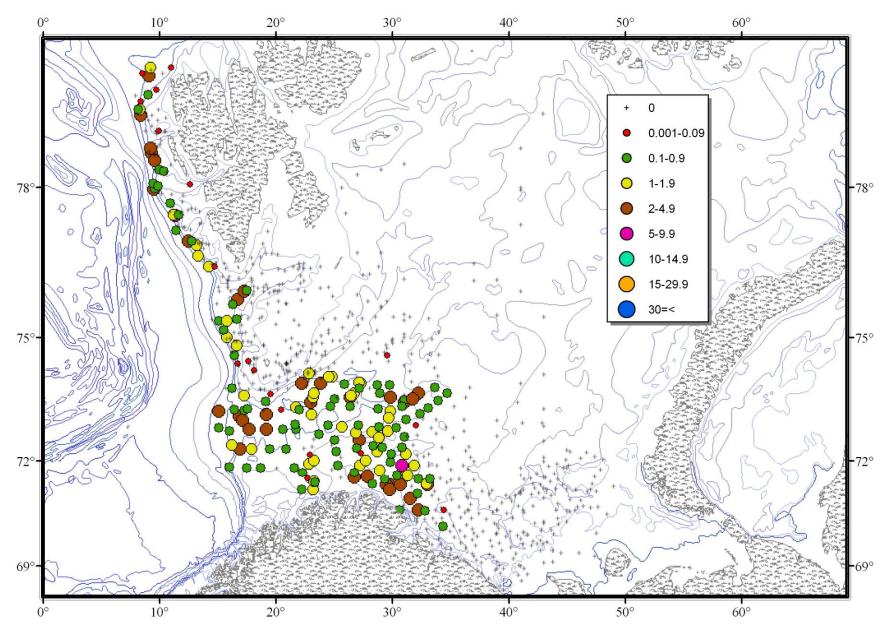
Distribution of *S.mentella* at age 2 (yearclass 1982) in 1984.



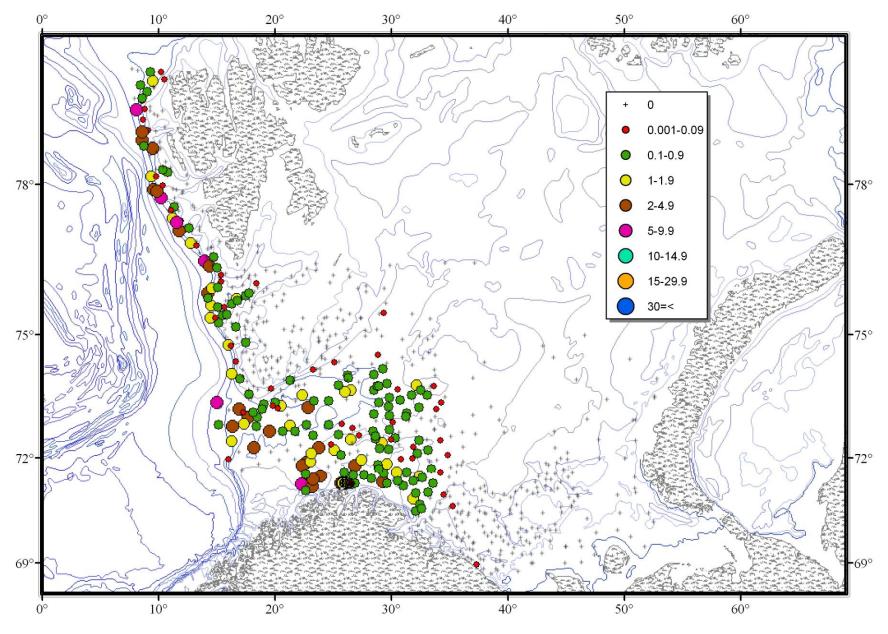
Distribution of *S.mentella* at age 3 (yearclass 1982) in 1985.



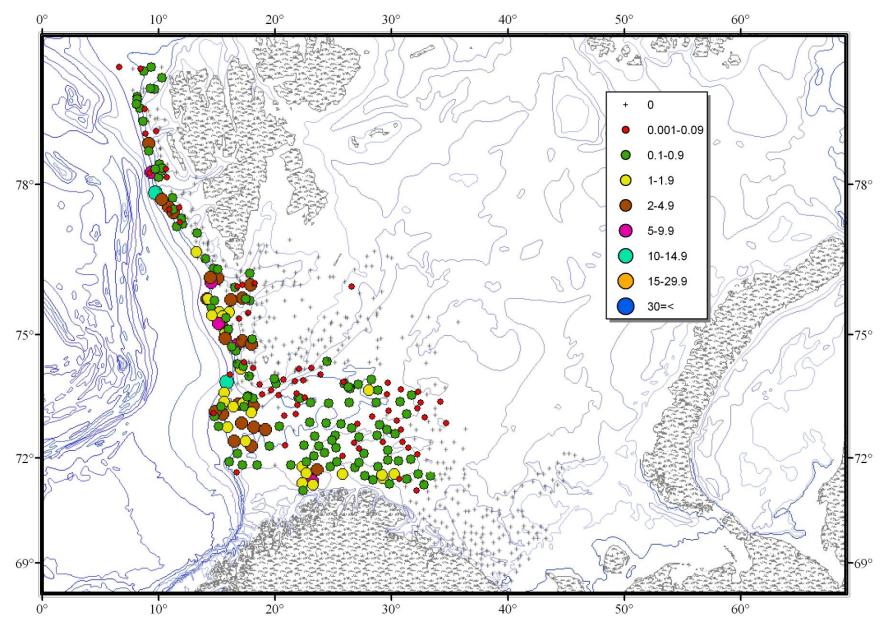
Distribution of *S.mentella* at age 4 (yearclass 1982) in 1986.



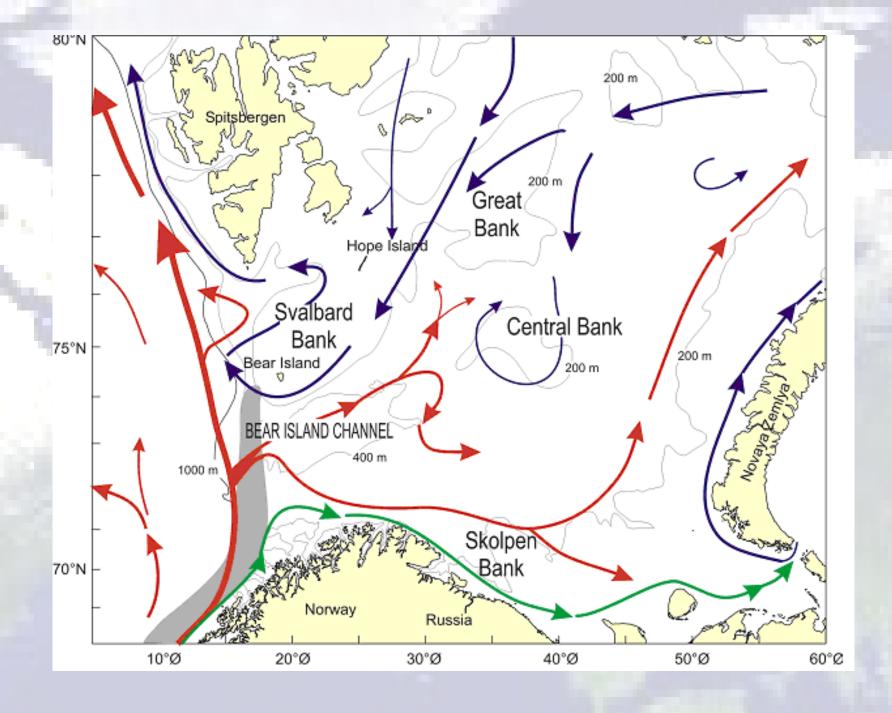
Distribution of *S.mentella* at age 5 (yearclass 1982) in 1987.



Distribution of *S.mentella* at age 6 (yearclass 1982) in 1988.



Distribution of *S.mentella* at age 7 (yearclass 1982) in 1989.



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