

Kolarctic CBC – Project KO4178; Conserving our Atlantic salmon as a sustainable resource for people in the North; fisheries and conservation in the context of growing threats and a changing environment.

REPORT X. Weekly catches in numbers and weights of salmon in bag net and bend net fisheries are indicating the timing and migration periods of small, medium and large salmon in four salmon districts in Finnmark

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<p>REPORT X. Weekly catches in numbers and weights of salmon in bag net and bend net fisheries are indicating the timing and migration periods of small, medium and large salmon in four salmon districts in Finnmark</p> <p>Niemelä ^{1,2}, E., Hassinen^{1,2}, E., Høstmark³, M.S., Kalske³, T.H</p> <p><i>¹⁾ Biodiversity Unit, University of Turku; Turku, Finland</i> ²⁾ <i>Firm Olli van der Meer; Oulu; Finland</i> ³⁾ <i>County Governor of Troms and Finnmark; Vadsø, Norway</i></p>	
<p>Abstract</p> <p>Salmon fishery at sea initiated years ago early in May. Gradually salmon fishery was opened later, in the middle of May and latest from the beginning of June. Current orders in Finnmark are tailored separately for various areas and since the year 2022, only bag net fishery is allowed. In this report catches are described on weekly base separately for bag nets and bend nets and fishing methods combined. Up until 1993, the first reported catches in Alta salmon district took place in week 20 (in the middle of May) in bag net fishery and in the weeks 22 or 23 (first and second week of June) in bend net fishery. In bag net fishery salmon catches in the middle of May and in the end of May consisted only of some tens of salmon in Alta salmon district. In Tana salmon district, catch distribution between the summer weeks has changed a lot when comparing catches between the year 1993-2010 and 2011-2020. Since 2011 until 2020, it has not been reported bag net salmon catches in early June.</p> <p>Actual salmon weekly catches in numbers and weights, which are demonstrated in graphs, can be used to evaluate the reduction of catches if fishing timed are further restricted for bag net fishery.</p>	
<p>Key words: Sea salmon fishery, bend net, bag net, Atlantic salmon, <i>Salmo salar</i>, Finnmark</p>	
<p>Front page photo: Eero Niemelä</p>	

Content

1. Weekly numbers, weights and proportions of small, medium and large size salmon in bag net and bend net catches in Alta salmon district.	4
2. Weekly numbers, weight and proportions of small, medium and large size salmon in bag net and bend net catches in Hammerfest salmon district.....	7
3. Weekly numbers, weights and proportions of small, medium and large size salmon in bag net and bend net catches in Tana salmon district.	10
4. Weekly numbers, weights and proportions of small, medium and large size salmon in bag net and bend net catches in Varanger salmon district.	13
5. Percentage weekly distributions of small, medium and large size salmon in Alta salmon district, calculated from the total numbers of salmon caught in the fishing season.....	16
6. Percentage weekly distributions of small, medium and large size salmon in Hammerfest salmon district, calculated from the total numbers of salmon caught in the fishing season.....	18
7. Percentage weekly distributions of small, medium and large size salmon in Tana salmon district, calculated from the total numbers of salmon caught in the fishing season.....	20
8. Percentage weekly distributions of small, medium and large size salmon in Varanger salmon district, calculated from the total numbers of salmon caught in the fishing season.....	22

1. Weekly numbers, weights and proportions of small, medium and large size salmon in bag net and bend net catches in Alta salmon district.

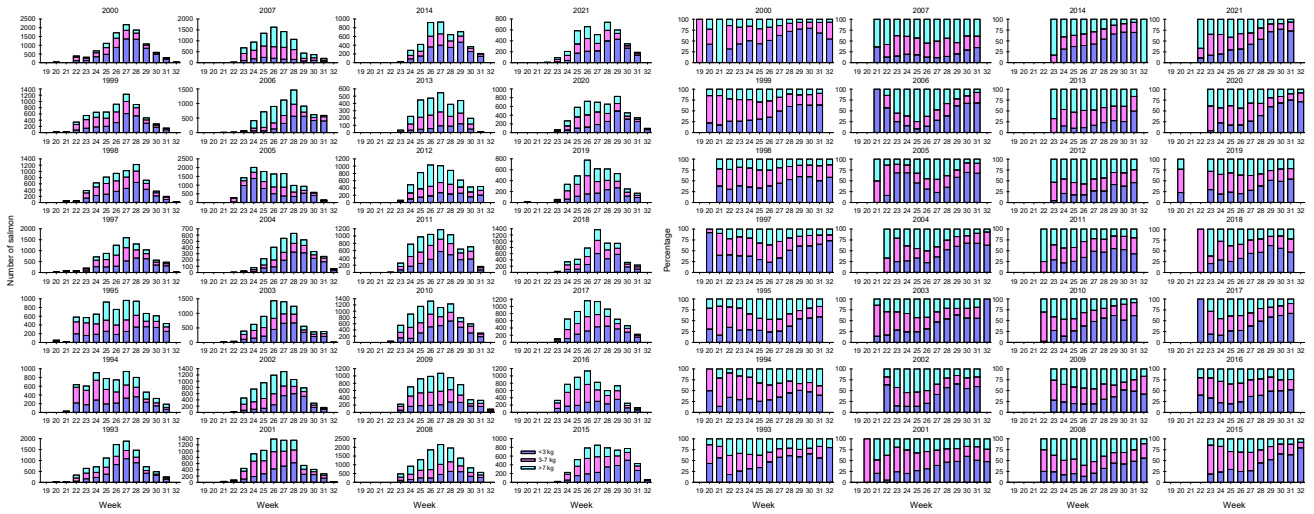


Figure 1. Weekly numbers and proportions of small, medium and large size salmon in the combined bag net and bend net catches in Alta salmon district. Source; SSB

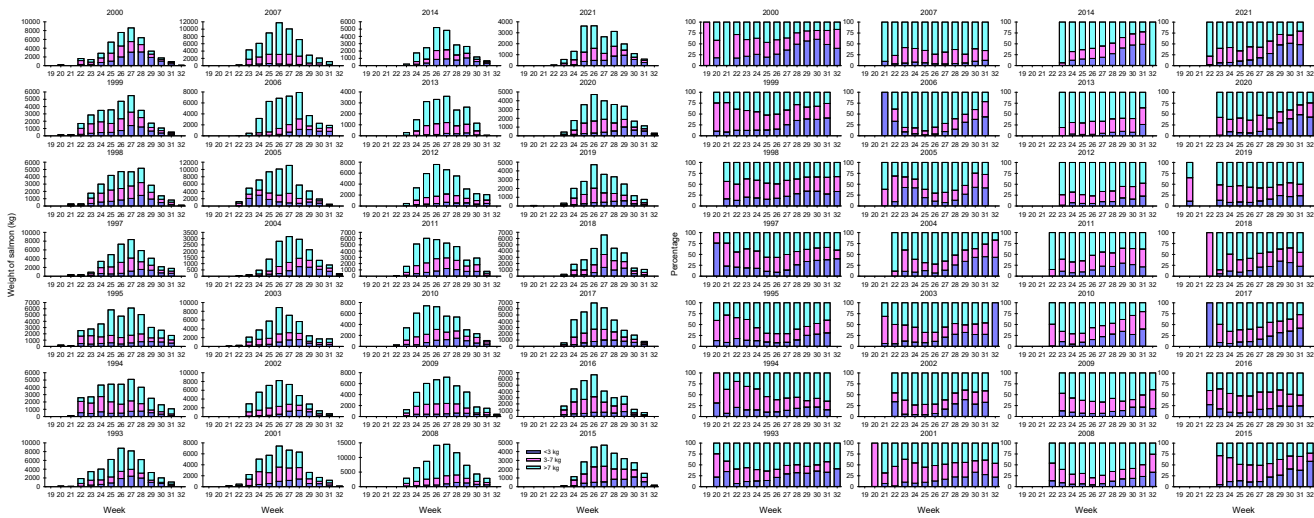


Figure 2. Weekly total weights and proportions of small, medium and large size salmon in the combined bag net and bend net catches in Alta salmon district. Source; SSB

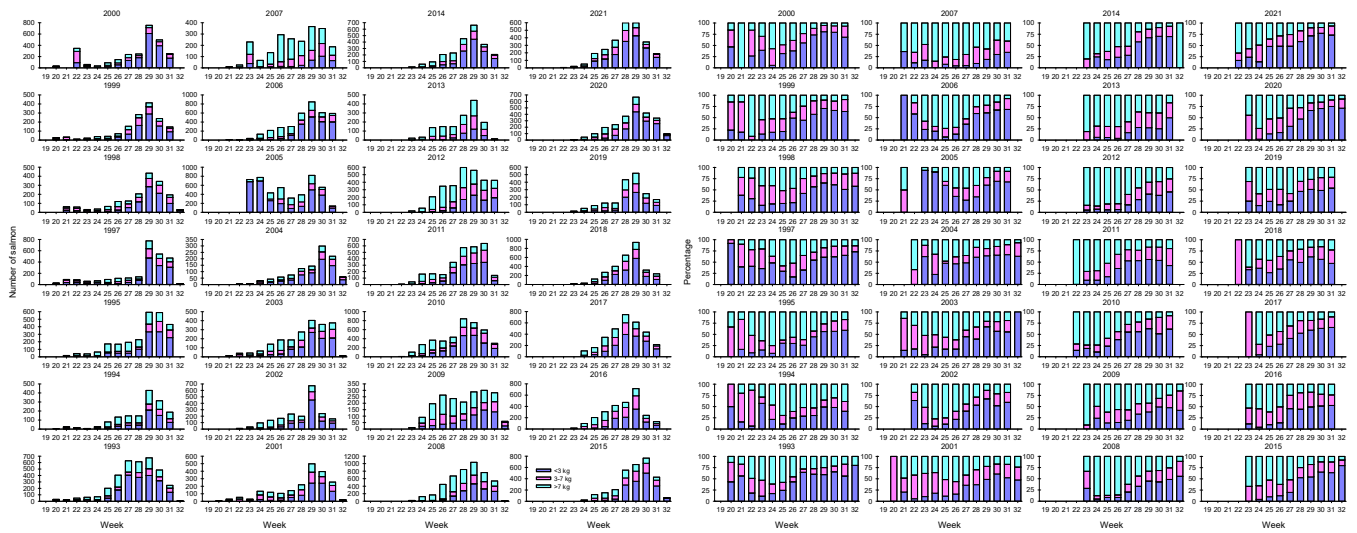


Figure 3. Weekly numbers and proportions of small, medium and large size salmon in the bag net catches in Alta salmon district. Source; SSB

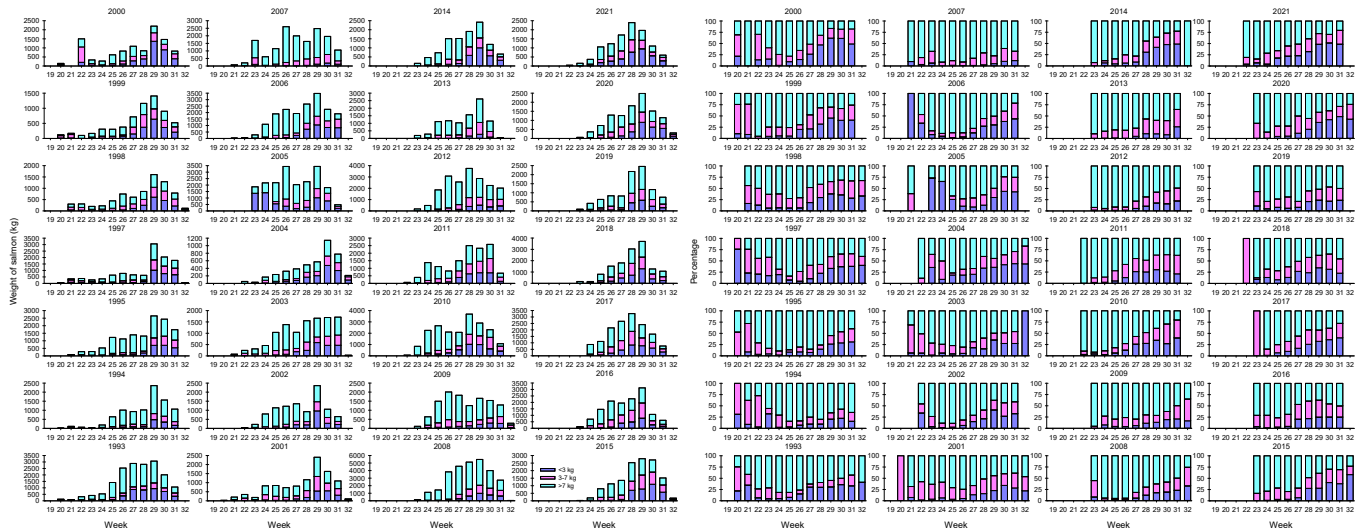


Figure 4. Weekly total weights and proportions of small, medium and large size salmon in the bag net catches in Alta salmon district. Source; SSB

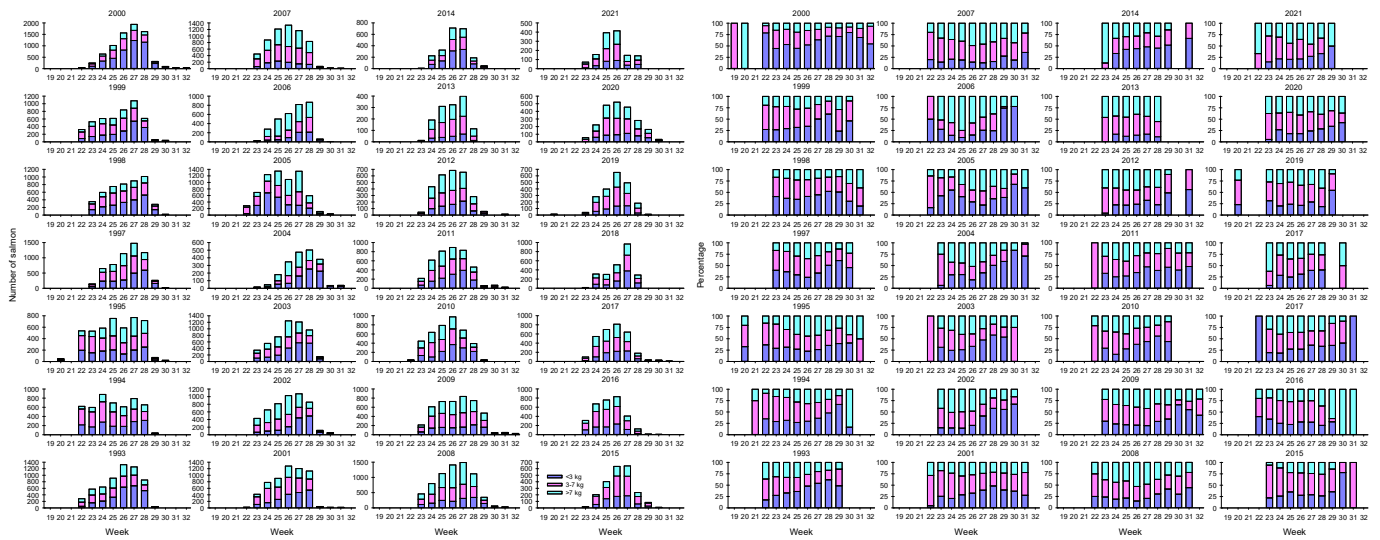


Figure 5. Weekly numbers and proportions of small, medium and large size salmon in the bend net catches in Alta salmon district. Source; SSB

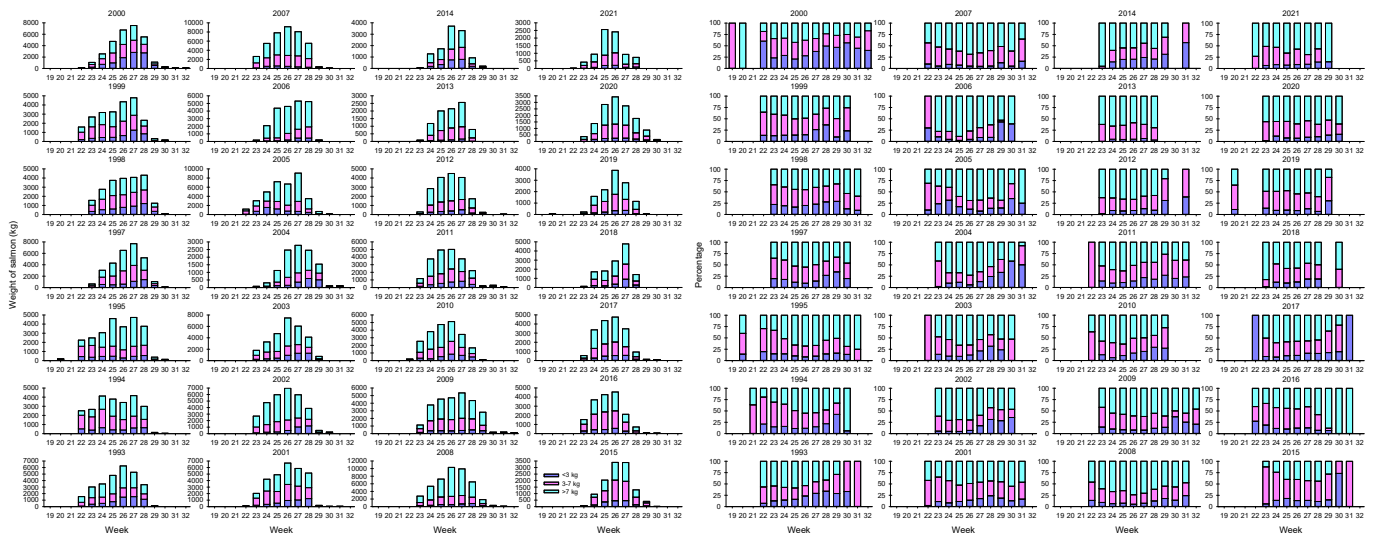


Figure 6. Weekly total weights and proportions of small, medium and large size salmon in the bend net catches in Alta salmon district. Source; SSB

2. Weekly numbers, weight and proportions of small, medium and large size salmon in bag net and bend net catches in Hammerfest salmon district.

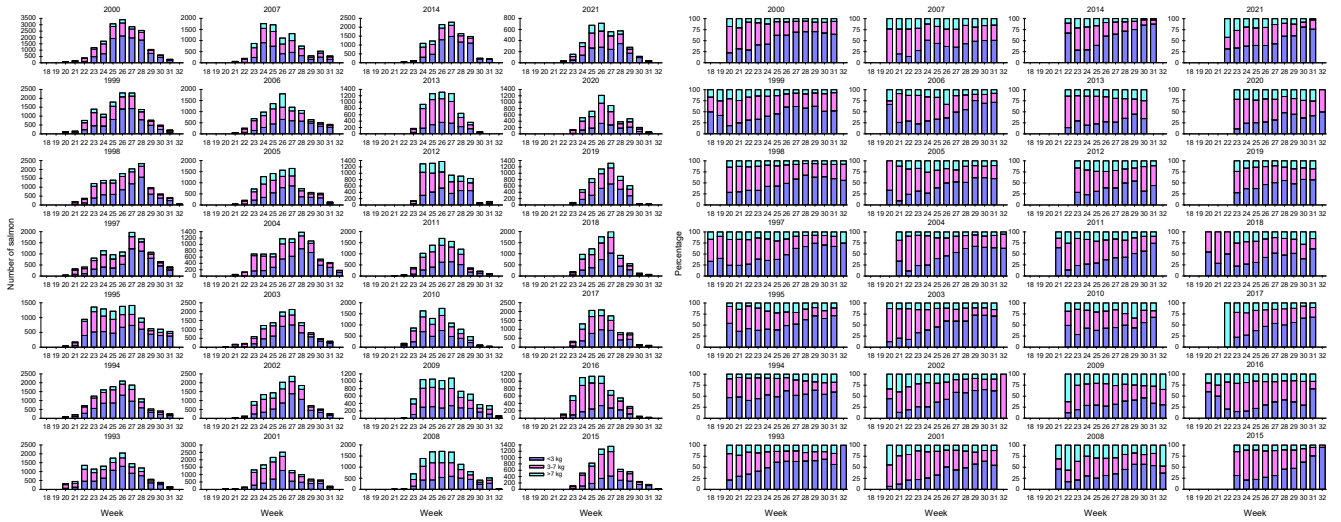


Figure 7. Weekly numbers and proportions of small, medium and large size salmon in the combined bag net and bend net catches in Hammerfest salmon district. Source; SSB

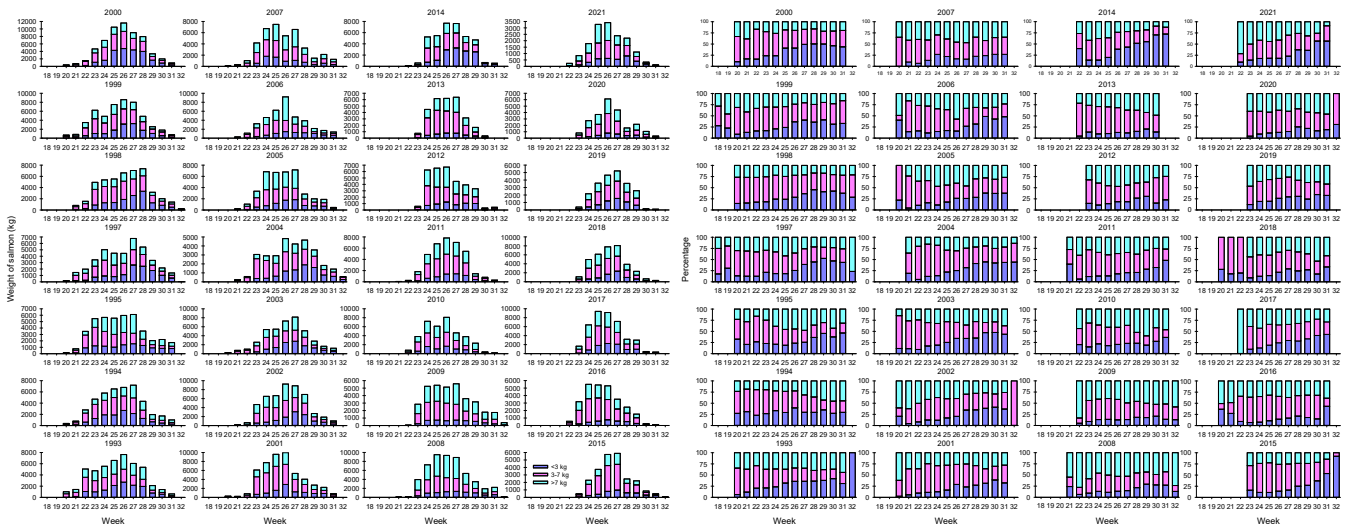


Figure 8. Weekly total weights and proportions of small, medium and large size salmon in the combined bag net and bend net catches in Hammerfest salmon district. Source; SSB

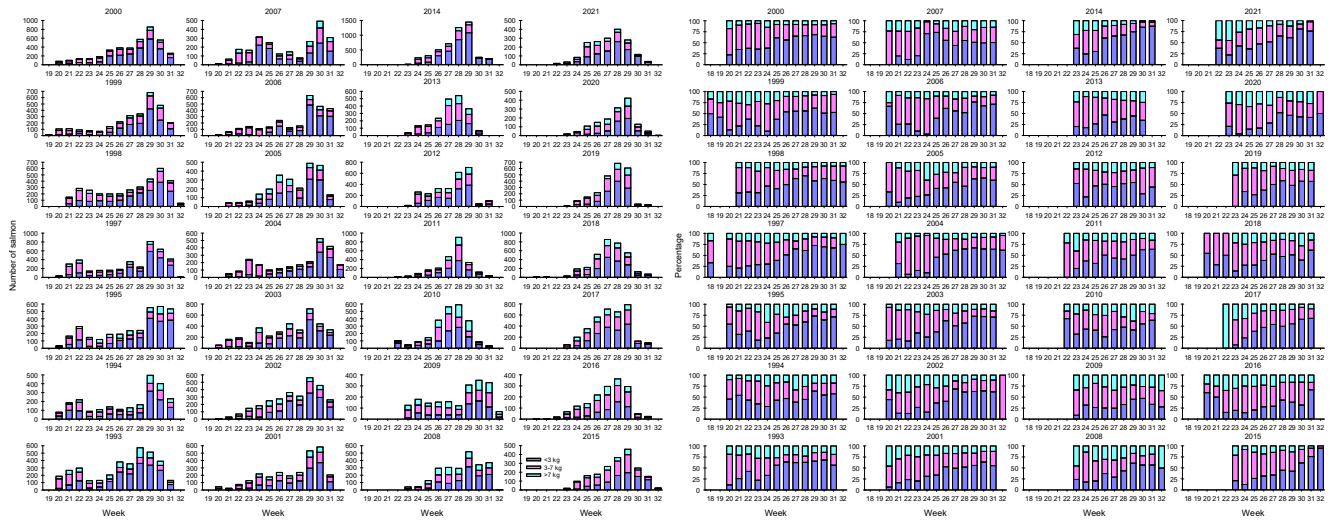


Figure 9. Weekly numbers and proportions of small, medium and large size salmon in the bag net catches in Hammerfest salmon district. Source; SSB

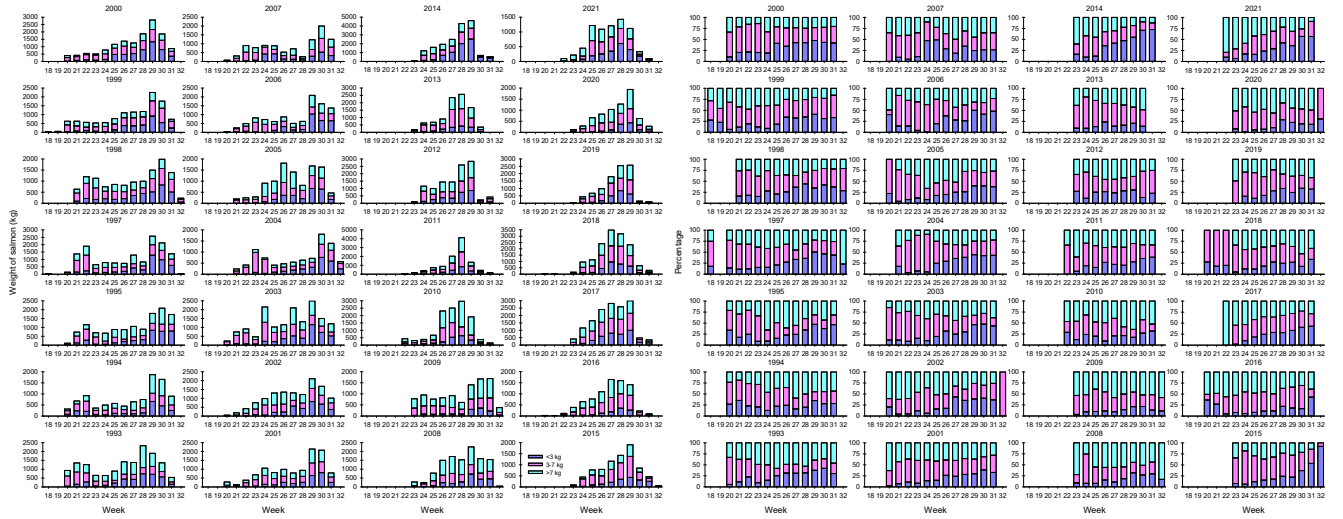


Figure 10. Weekly total weights and proportions of small, medium and large size salmon in the bag net catches in Hammerfest salmon district. Source; SSB

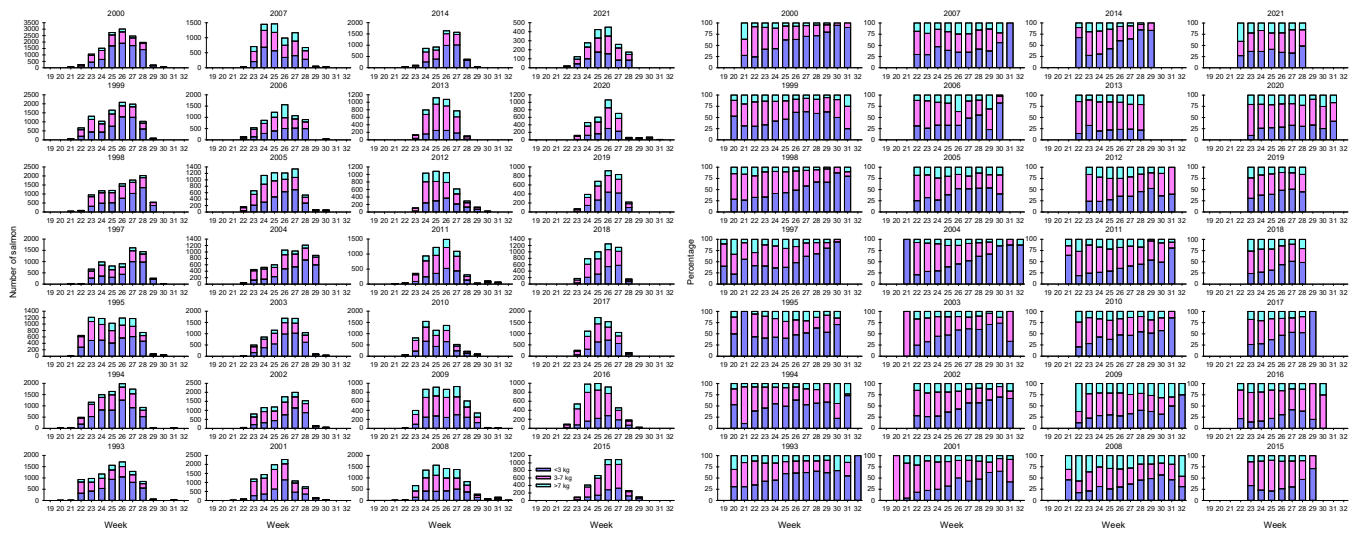


Figure 11. Weekly numbers and proportions of small, medium and large size salmon in the bend net catches in Hammerfest salmon district. Source; SSB

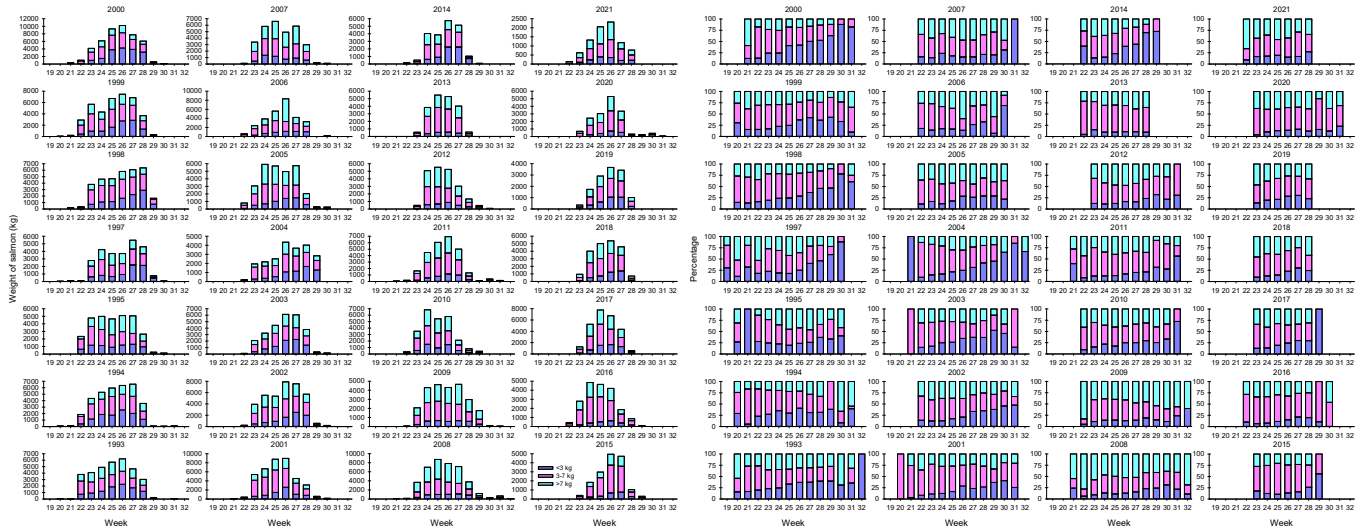


Figure 12. Weekly total weights and proportions of small, medium and large size salmon in the bend net catches in Hammerfest salmon district. Source; SSB

3. Weekly numbers, weights and proportions of small, medium and large size salmon in bag net and bend net catches in Tana salmon district.

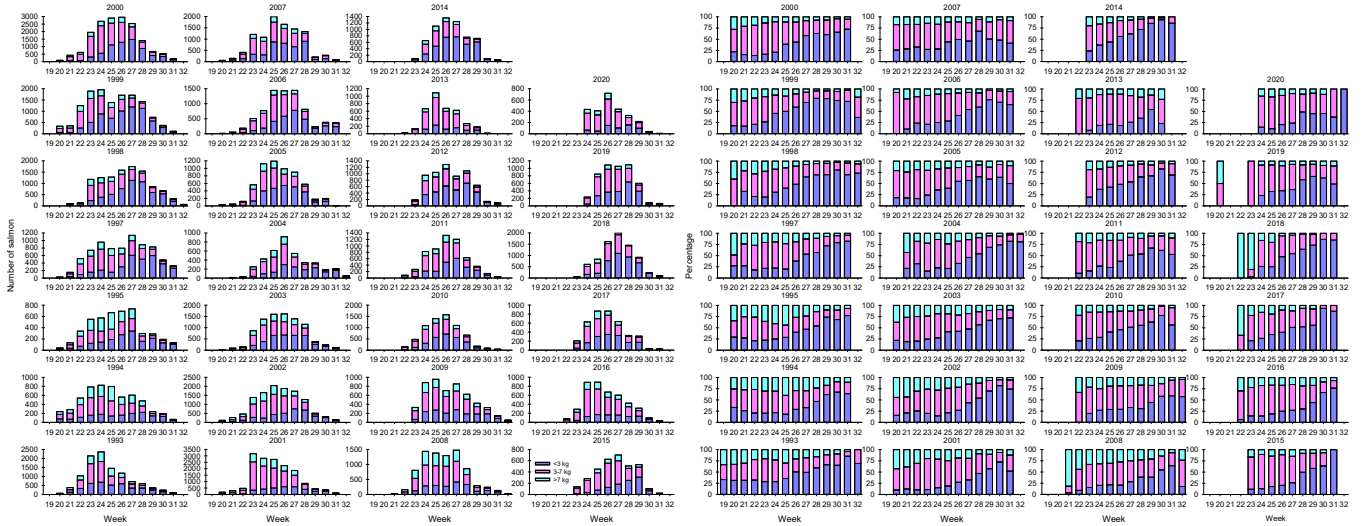


Figure 13. Weekly numbers and proportions of small, medium and large size salmon in the combined bag net and bend net catches in Tana salmon district. Source; SSB

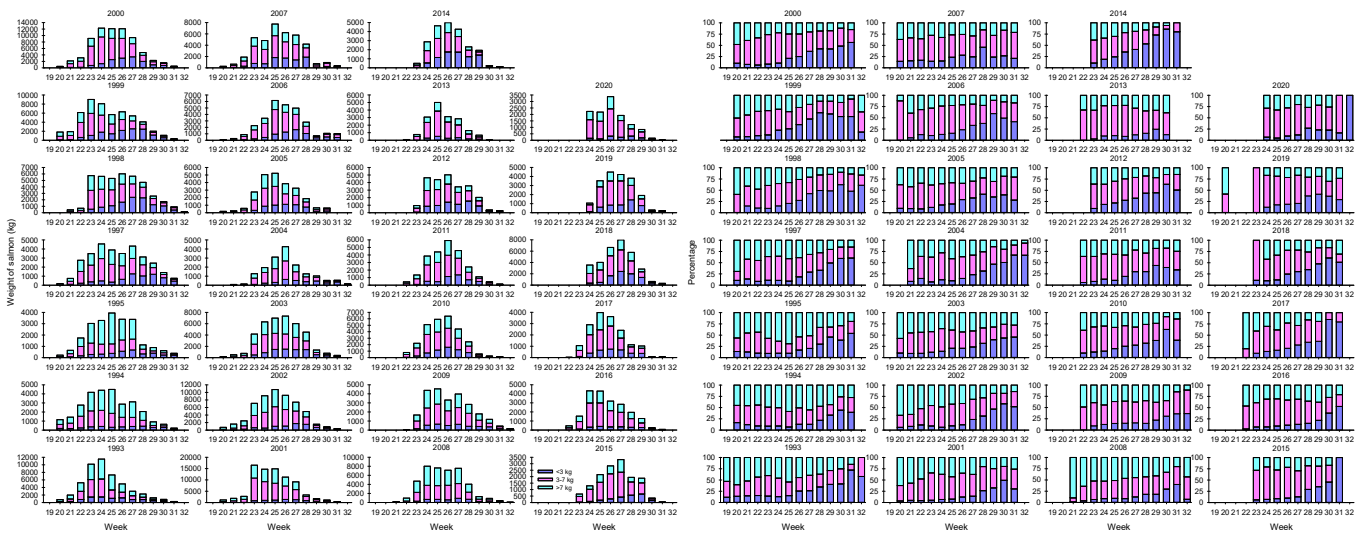


Figure 14. Weekly total weights and proportions of small, medium and large size salmon in the combined bag net and bend net catches in Tana salmon district. Source; SSB

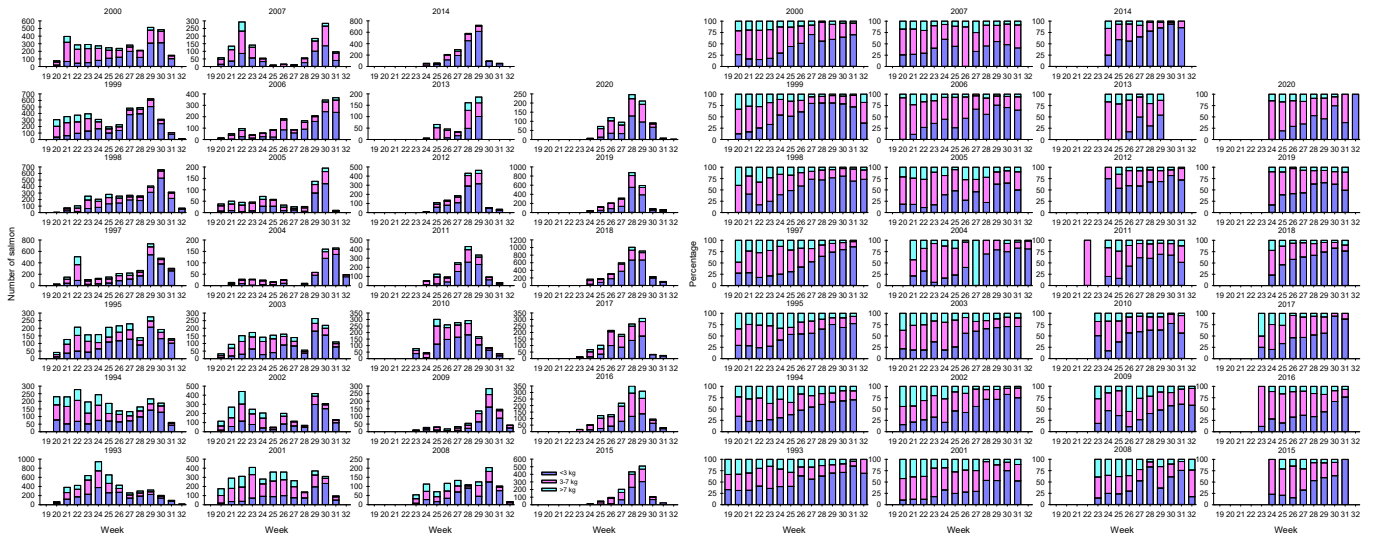


Figure 15. Weekly numbers and proportions of small, medium and large size salmon in the bag net catches in Tana salmon district. Source; SSB

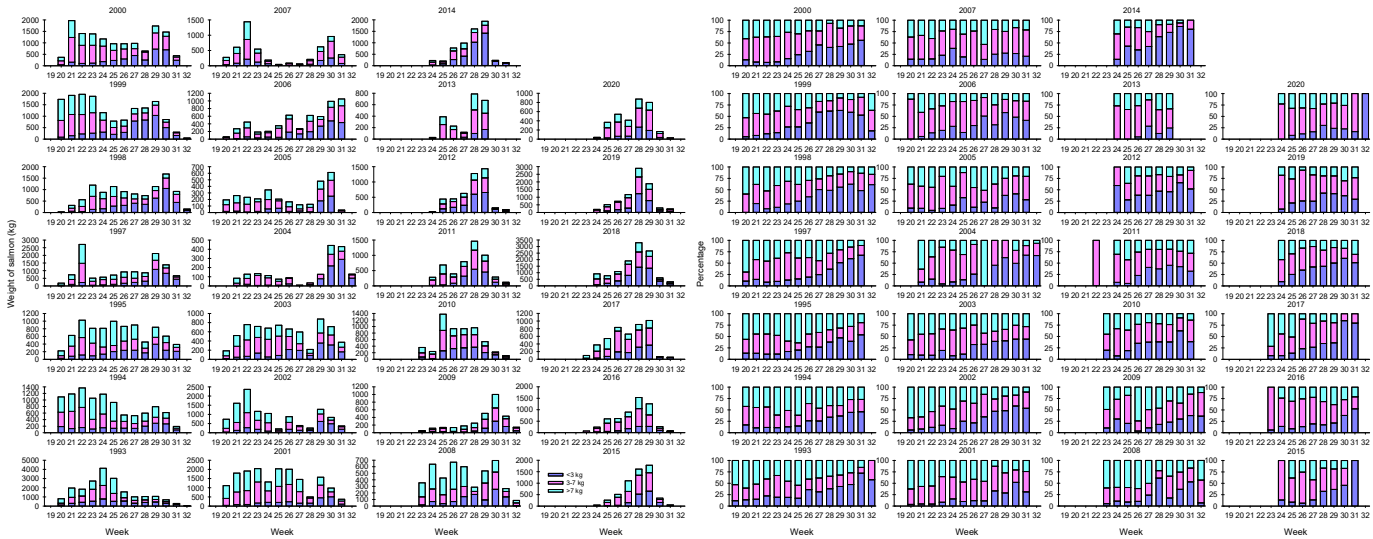


Figure 16. Weekly total weights and proportions of small, medium and large size salmon in the bag net catches in Tana salmon district. Source; SSB

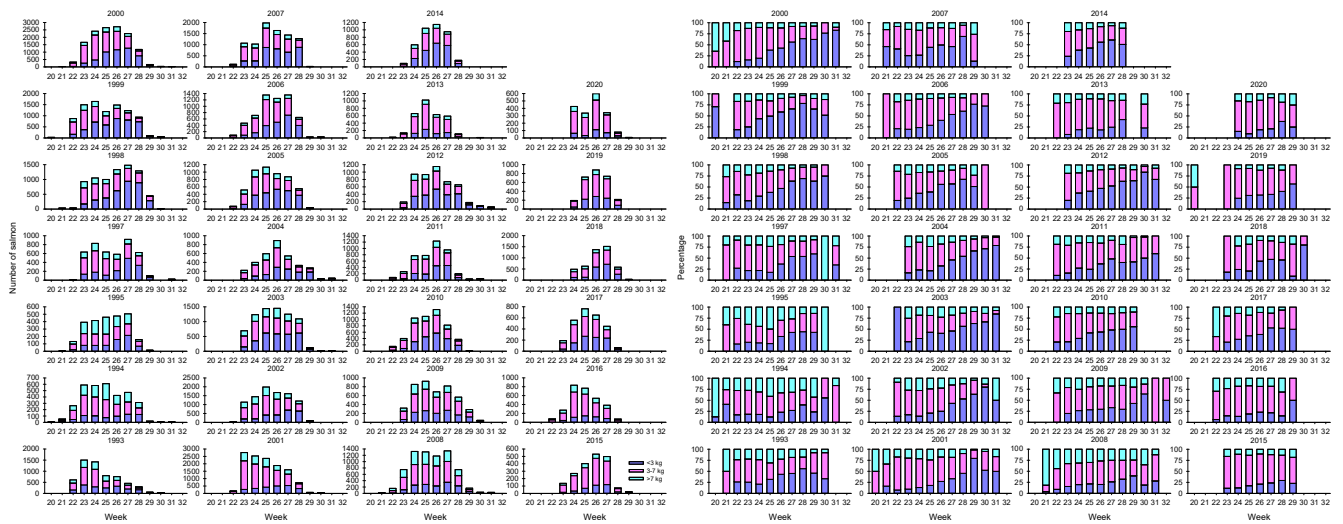


Figure 17. Weekly numbers and proportions of small, medium and large size salmon in the bend net catches in Tana salmon district. Source; SSB

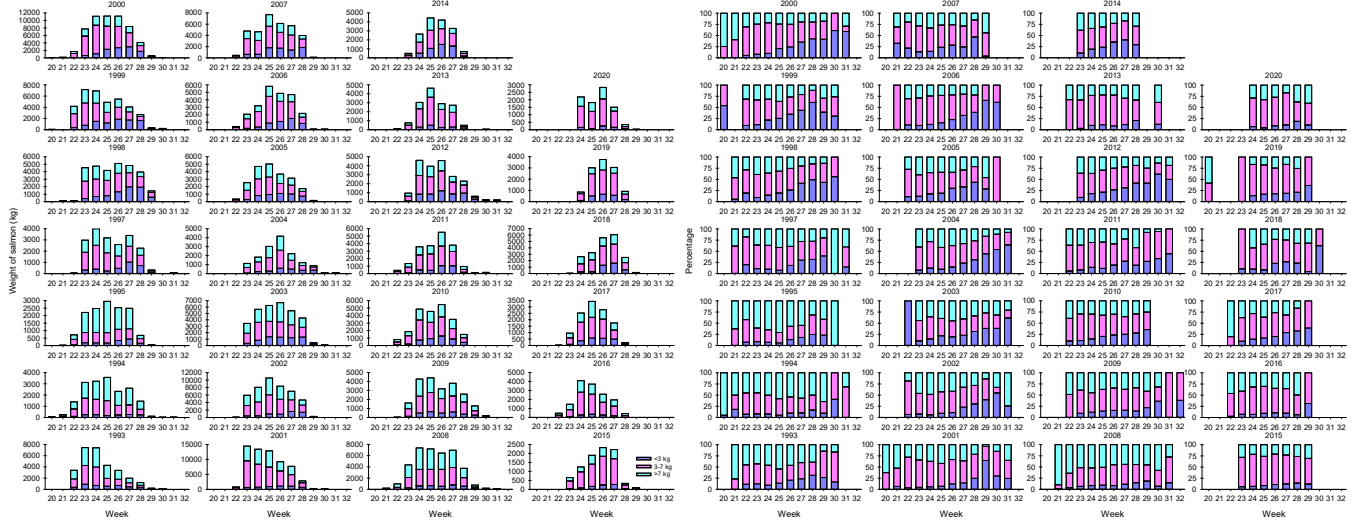


Figure 18. Weekly total weights and proportions of small, medium and large size salmon in the bend net catches in Tana salmon district. Source; SSB

4. Weekly numbers, weights and proportions of small, medium and large size salmon in bag net and bend net catches in Varanger salmon district.

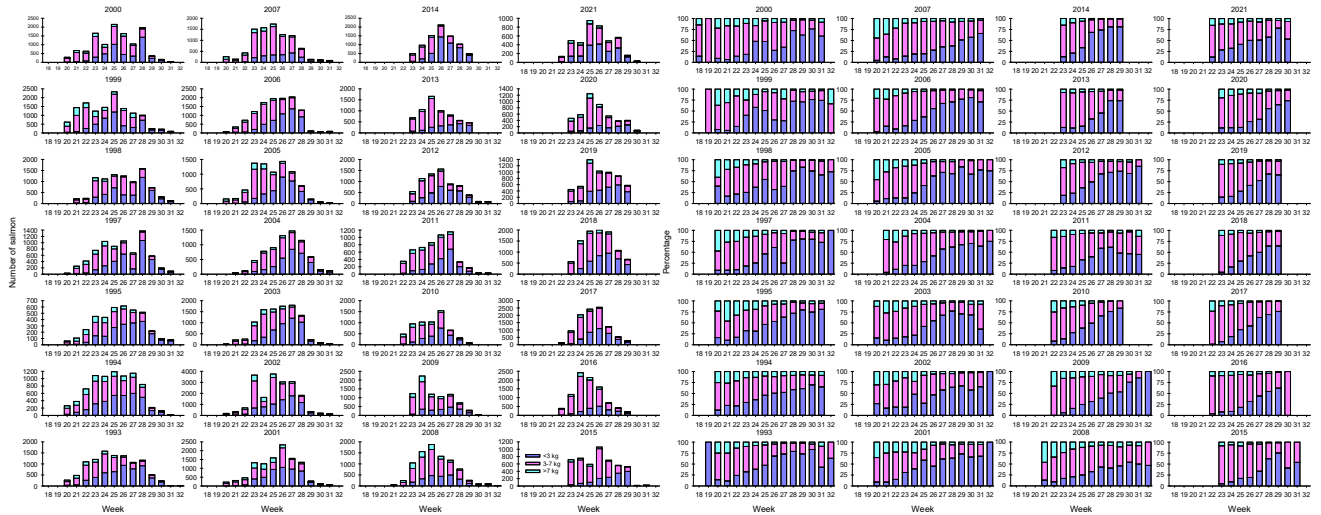


Figure 19. Weekly numbers and proportions of small, medium and large size salmon in the combined bag net and bend net catches in Varanger salmon district. Source; SSB

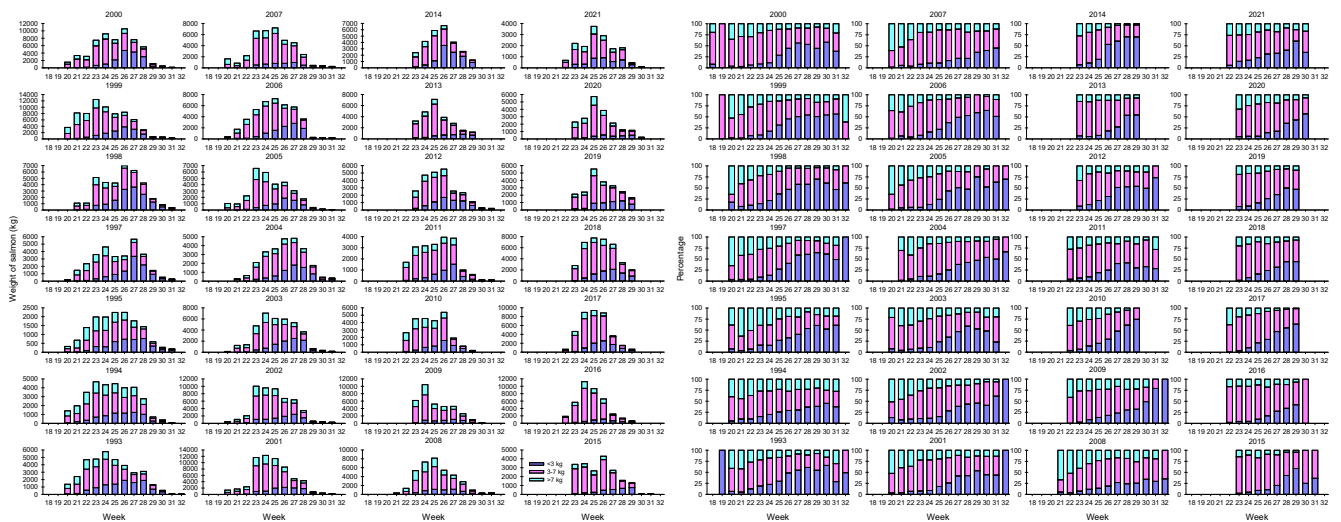


Figure 20. Weekly total weights and proportions of small, medium and large size salmon in the combined bag net and bend net catches in Varanger salmon district. Source; SSB

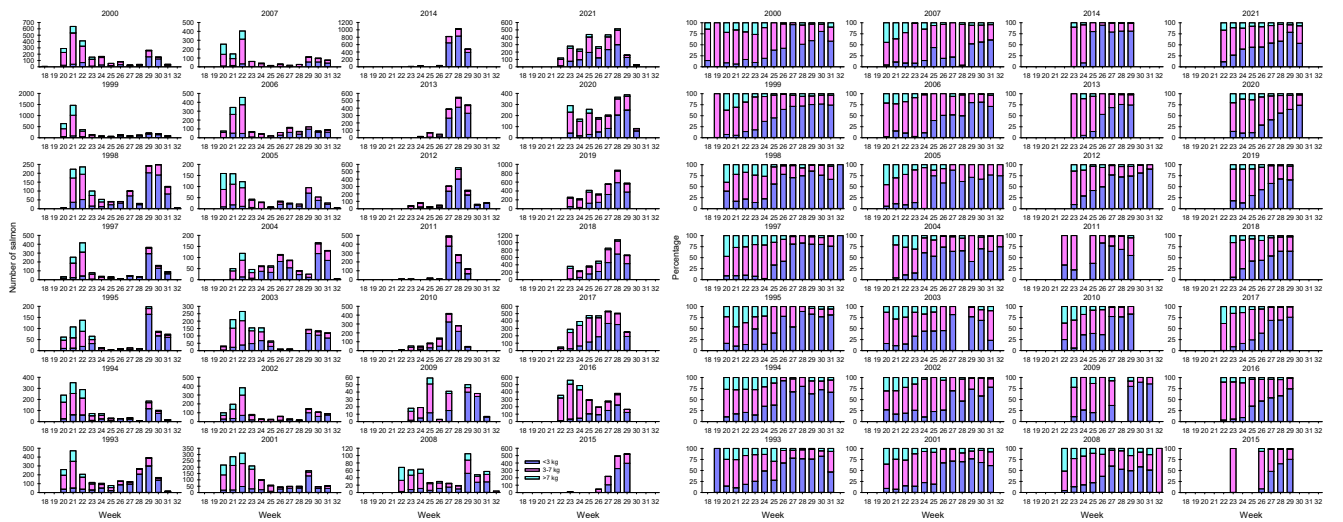


Figure 21. Weekly numbers and proportions of small, medium and large size salmon in the bag net catches in Varanger salmon district. Source; SSB

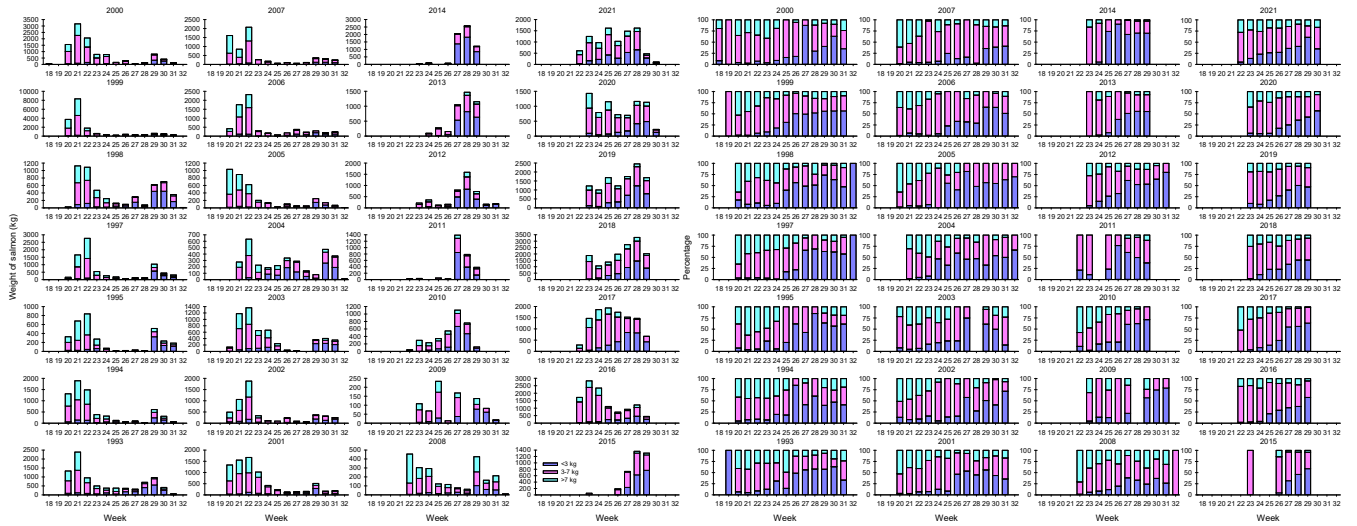


Figure 22. Weekly total weights and proportions of small, medium and large size salmon in the bag net catches in Varanger salmon district. Source; SSB

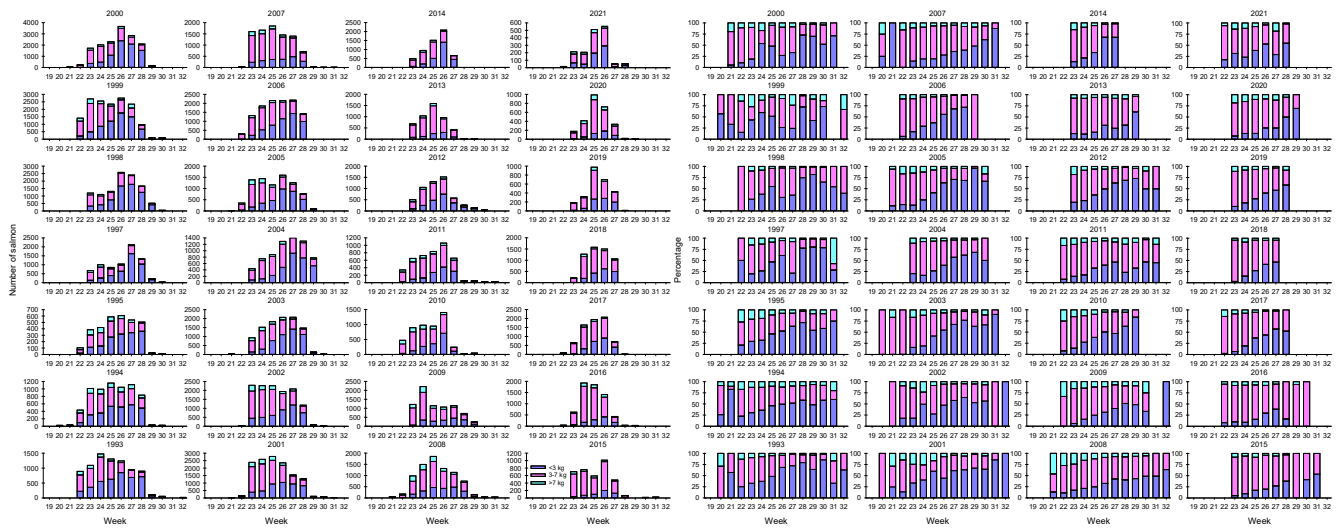


Figure 23. Weekly numbers and proportions of small, medium and large size salmon in the bend net catches in Varanger salmon district. Source; SSB

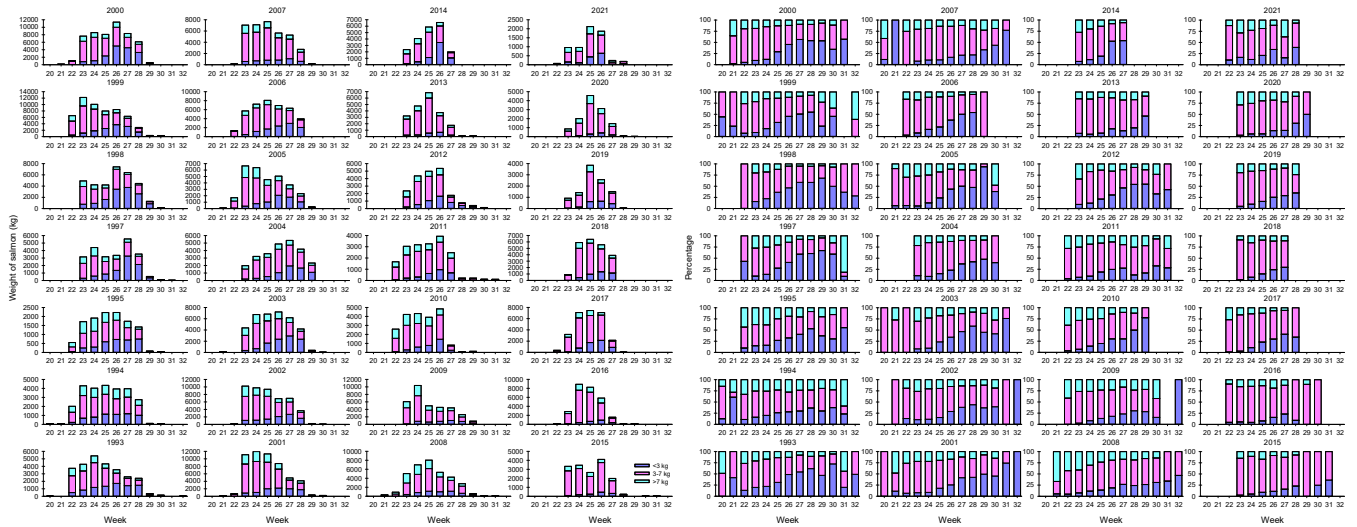


Figure 24. Weekly total weights and proportions of small, medium and large size salmon in the bend net catches in Varanger salmon district. Source; SSB

5. Percentage weekly distributions of small, medium and large size salmon in Alta salmon district, calculated from the total numbers of salmon caught in the fishing season.

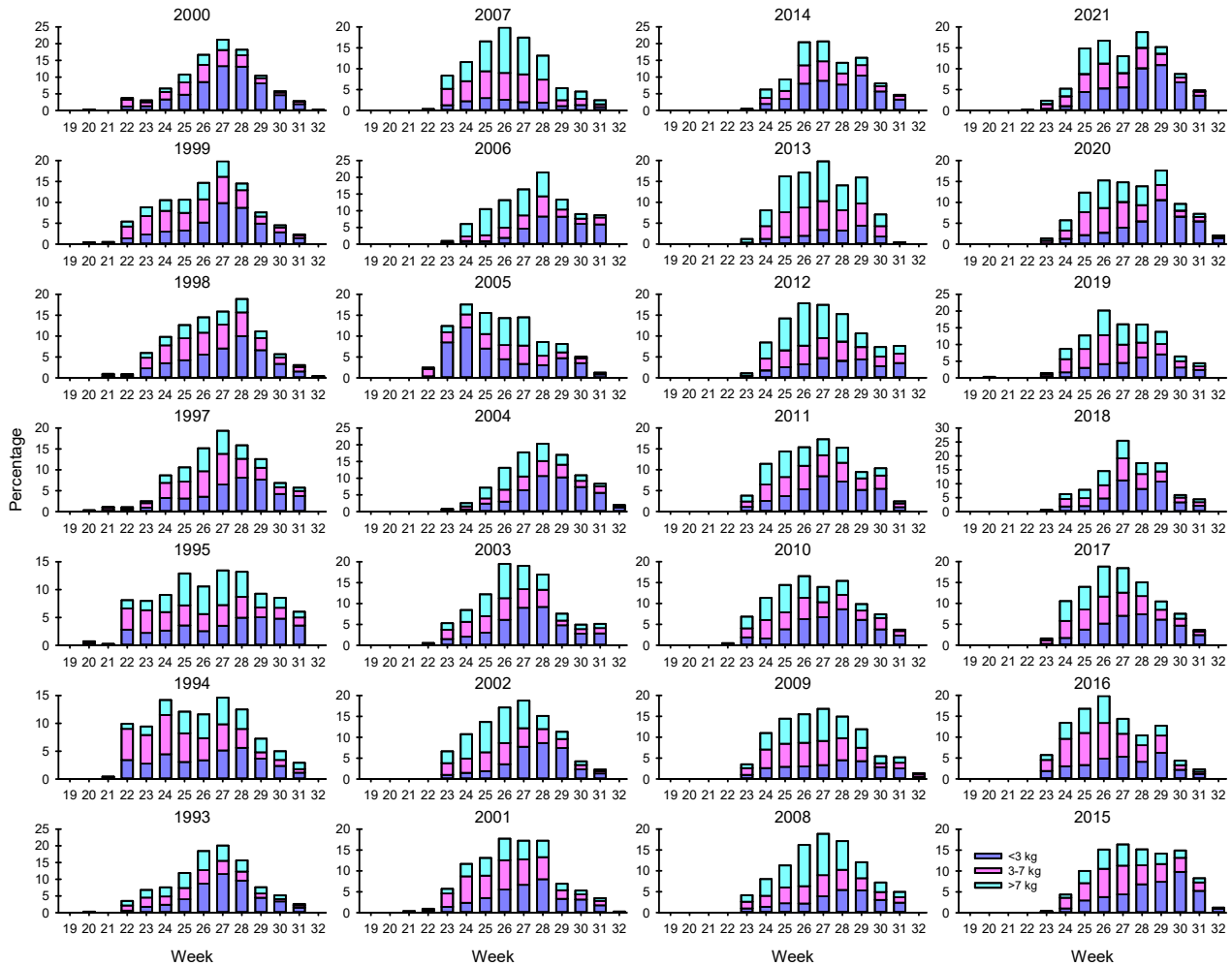


Figure 25. Percentage distributions of small, medium and large size salmon in the weekly salmon catches, calculated from the total numbers of salmon caught in the fishing season. In the figure, bag net and bend net catches are combined in Alta salmon district. Source; SSB

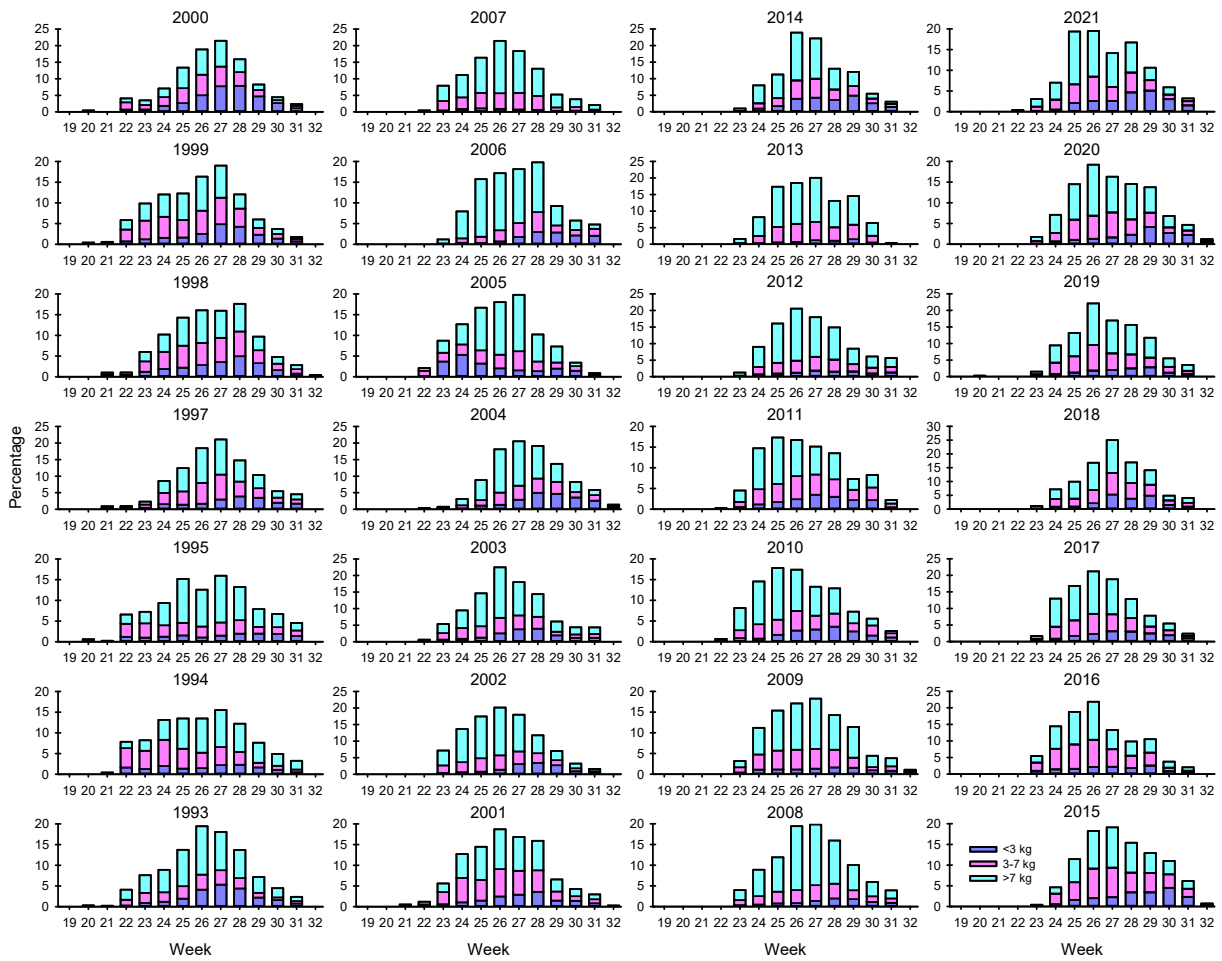


Figure 26. Percentage distributions of small, medium and large size salmon in the weekly salmon catches, calculated from the total weights of salmon caught in the fishing season. In the figure, bag net and bend net catches are combined in Alta salmon district. Source; SSB

6. Percentage weekly distributions of small, medium and large size salmon in Hammerfest salmon district, calculated from the total numbers of salmon caught in the fishing season.

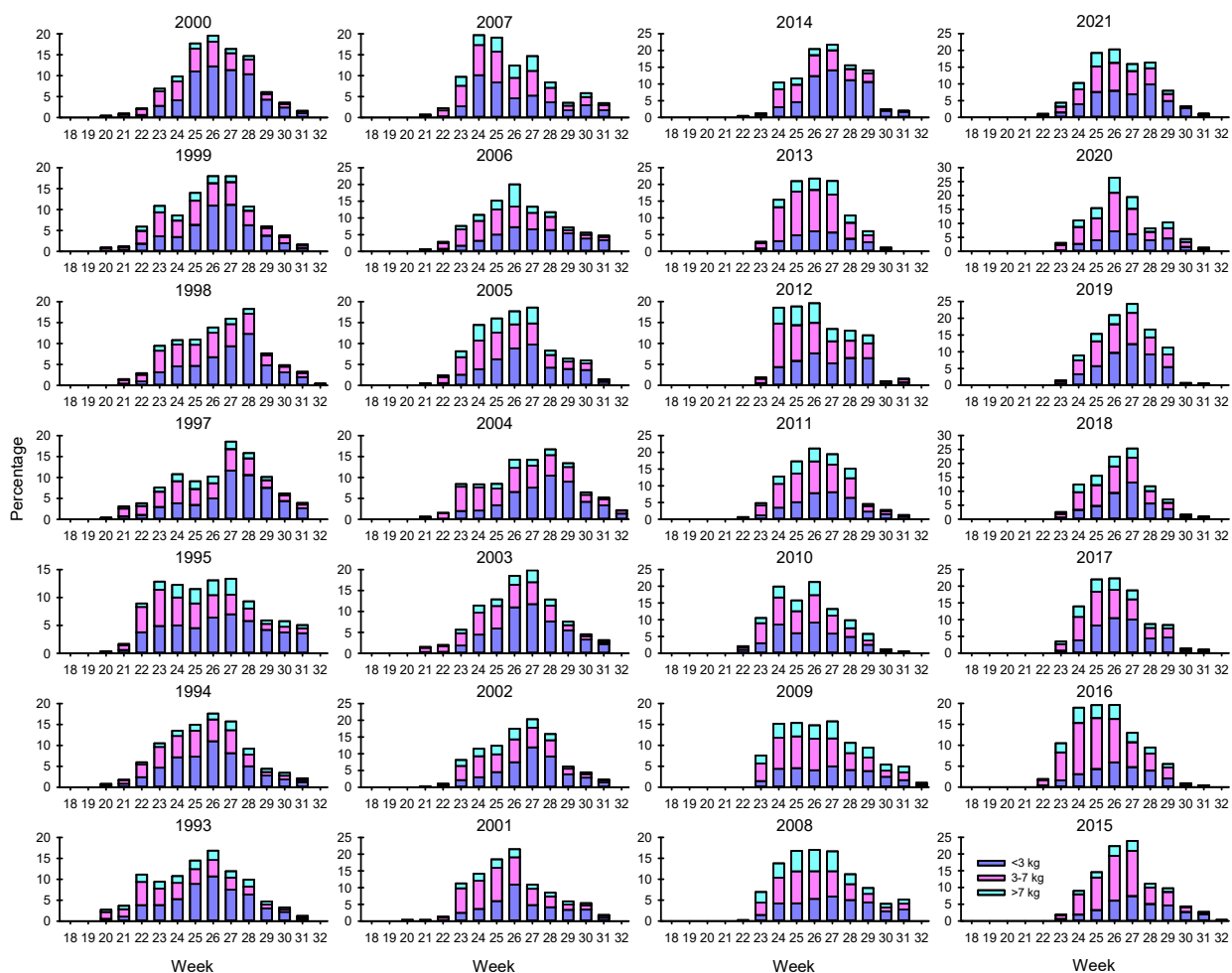


Figure 27. Percentage distributions of small, medium and large size salmon in the weekly salmon catches, calculated from the total numbers of salmon caught in the fishing season. In the figure, bag net and bend net catches are combined in Hammerfest salmon district. Source; SSB

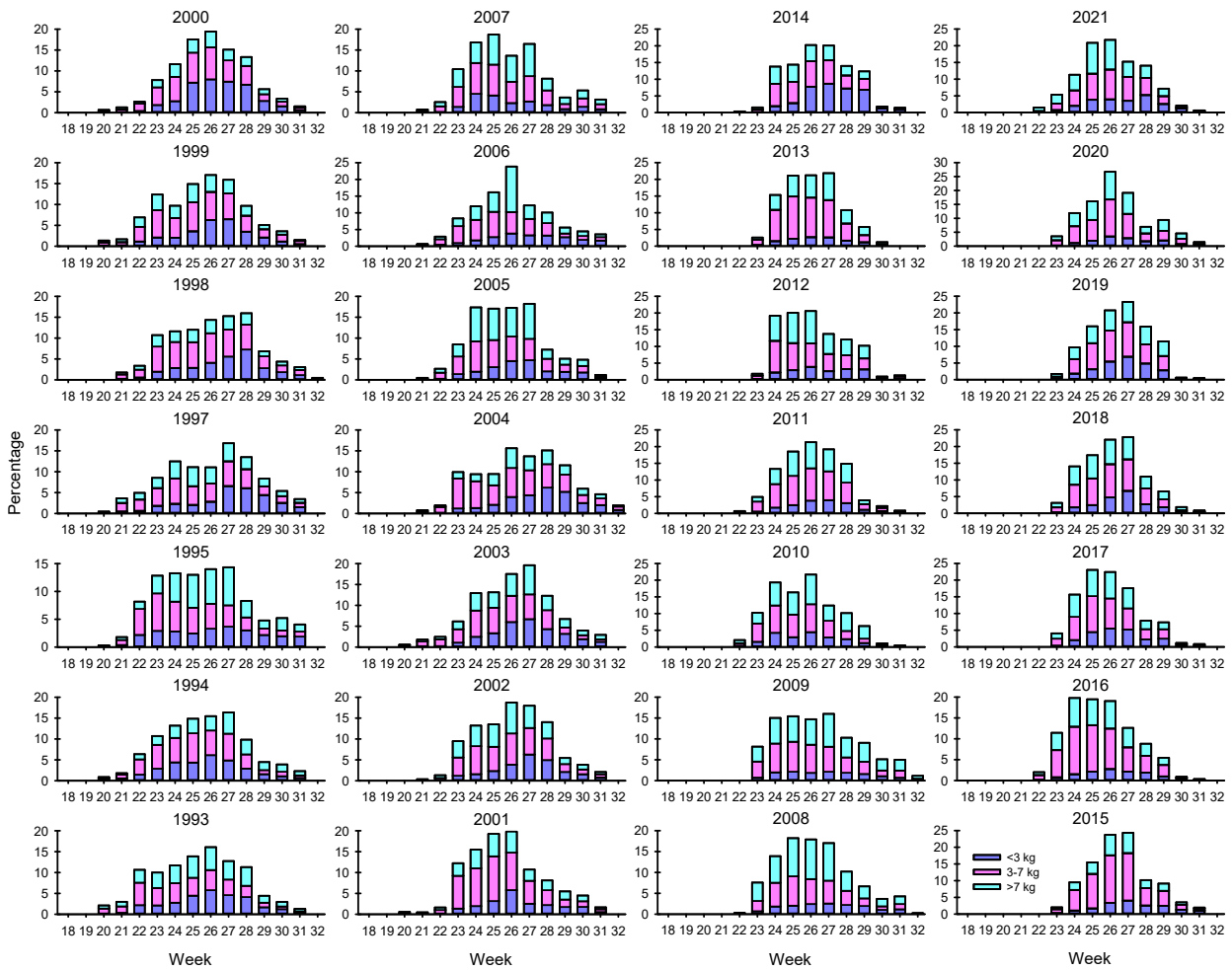


Figure 28. Percentage distributions of small, medium and large size salmon in the weekly salmon catches, calculated from the total weights of salmon caught in the fishing season. In the figure, bag net and bend net catches are combined in Hammerfest salmon district. Source; SSB

7. Percentage weekly distributions of small, medium and large size salmon in Tana salmon district, calculated from the total numbers of salmon caught in the fishing season.

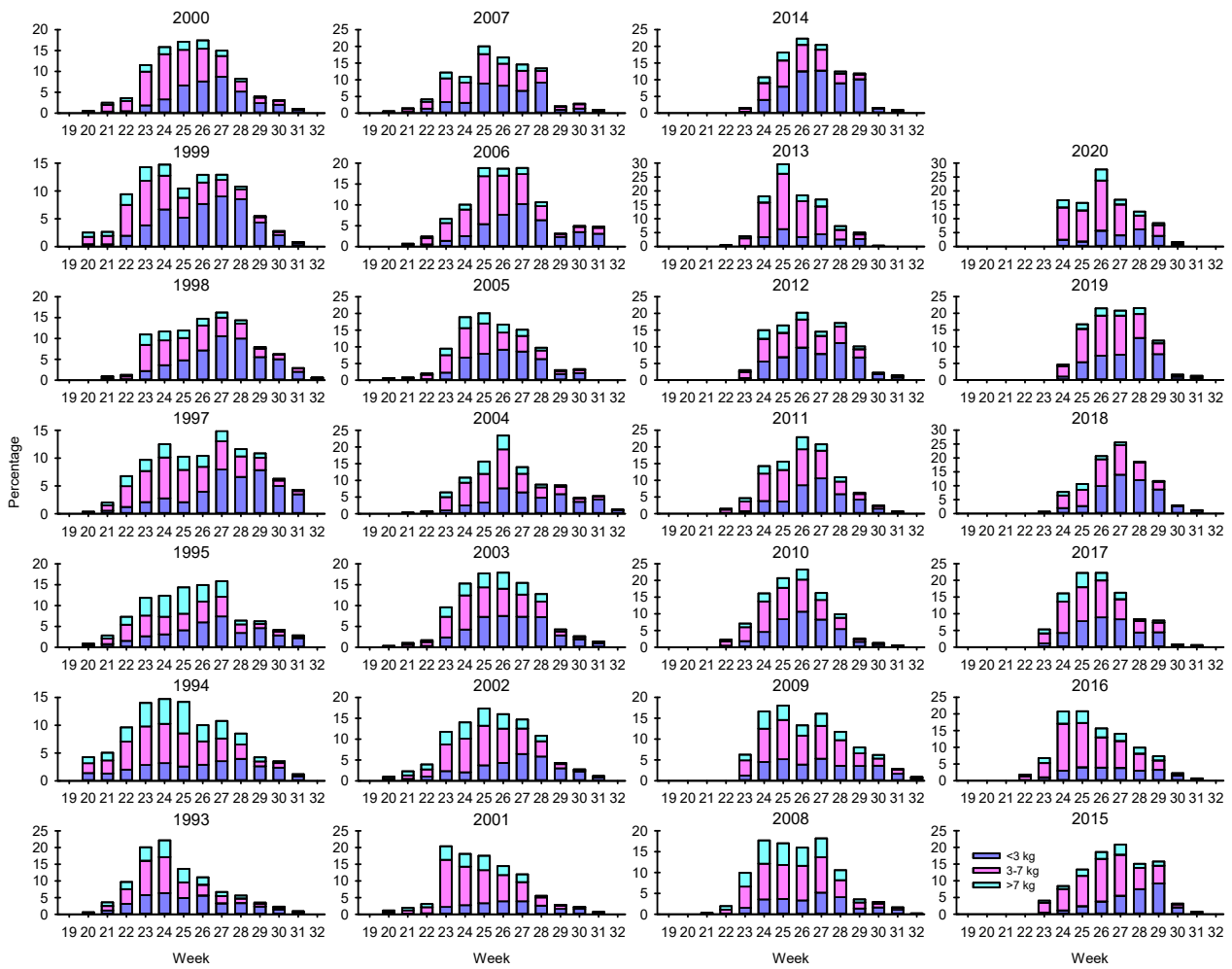


Figure 29. Percentage distributions of small, medium and large size salmon in the weekly salmon catches, calculated from the total numbers of salmon caught in the fishing season. In the figure, bag net and bend net catches are combined in Tana salmon district. Source; SSB

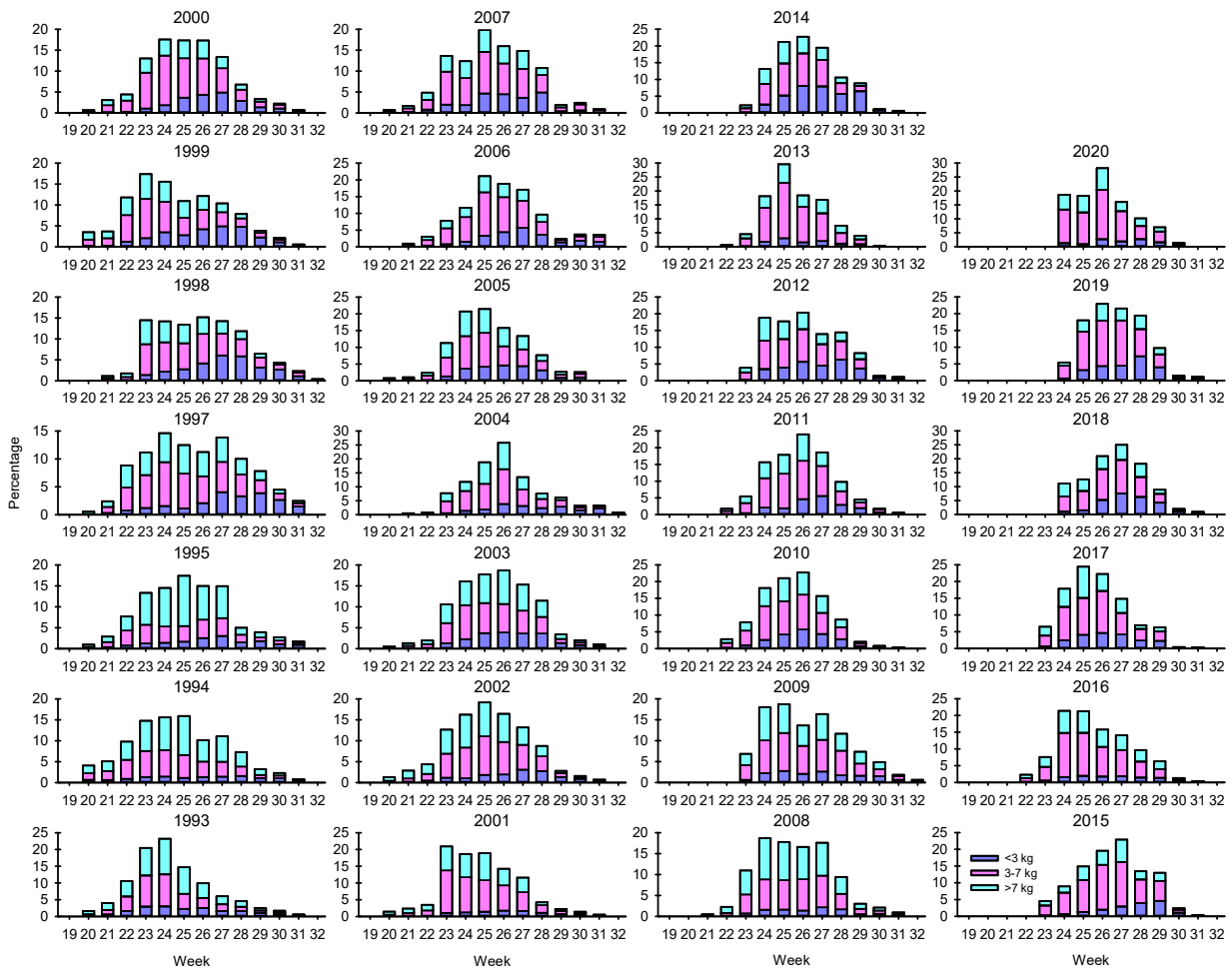


Figure 30. Percentage distributions of small, medium and large size salmon in the weekly salmon catches, calculated from the total weights of salmon caught in the fishing season. In the figure, bag net and bend net catches are combined in Tana salmon district. Source; SSB

8. Percentage weekly distributions of small, medium and large size salmon in Varanger salmon district, calculated from the total numbers of salmon caught in the fishing season.

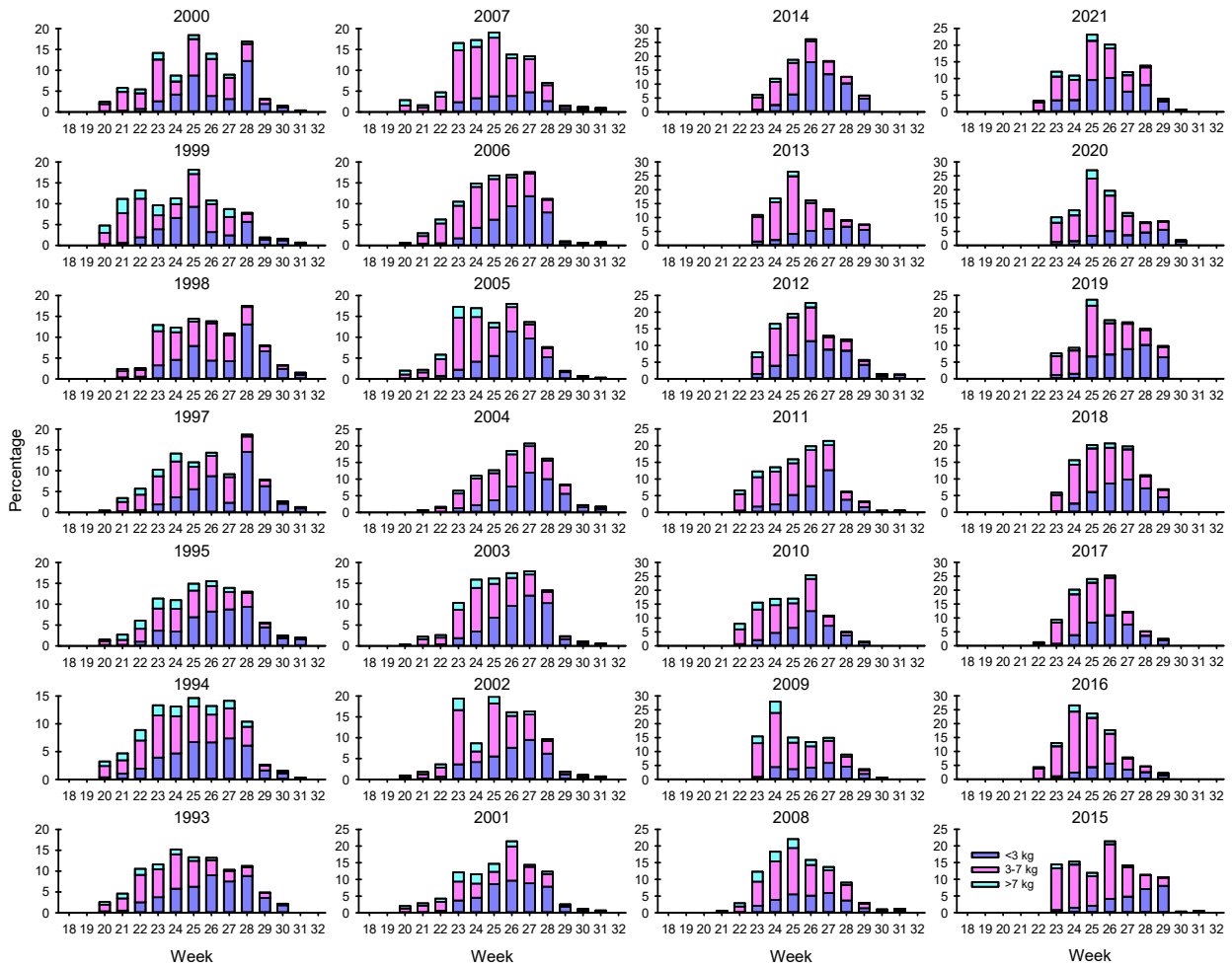


Figure 31. Percentage distributions of small, medium and large size salmon in the weekly salmon catches, calculated from the total numbers of salmon caught in the fishing season. In the figure, bag net and bend net catches are combined in Varanger salmon district. Source; SSB

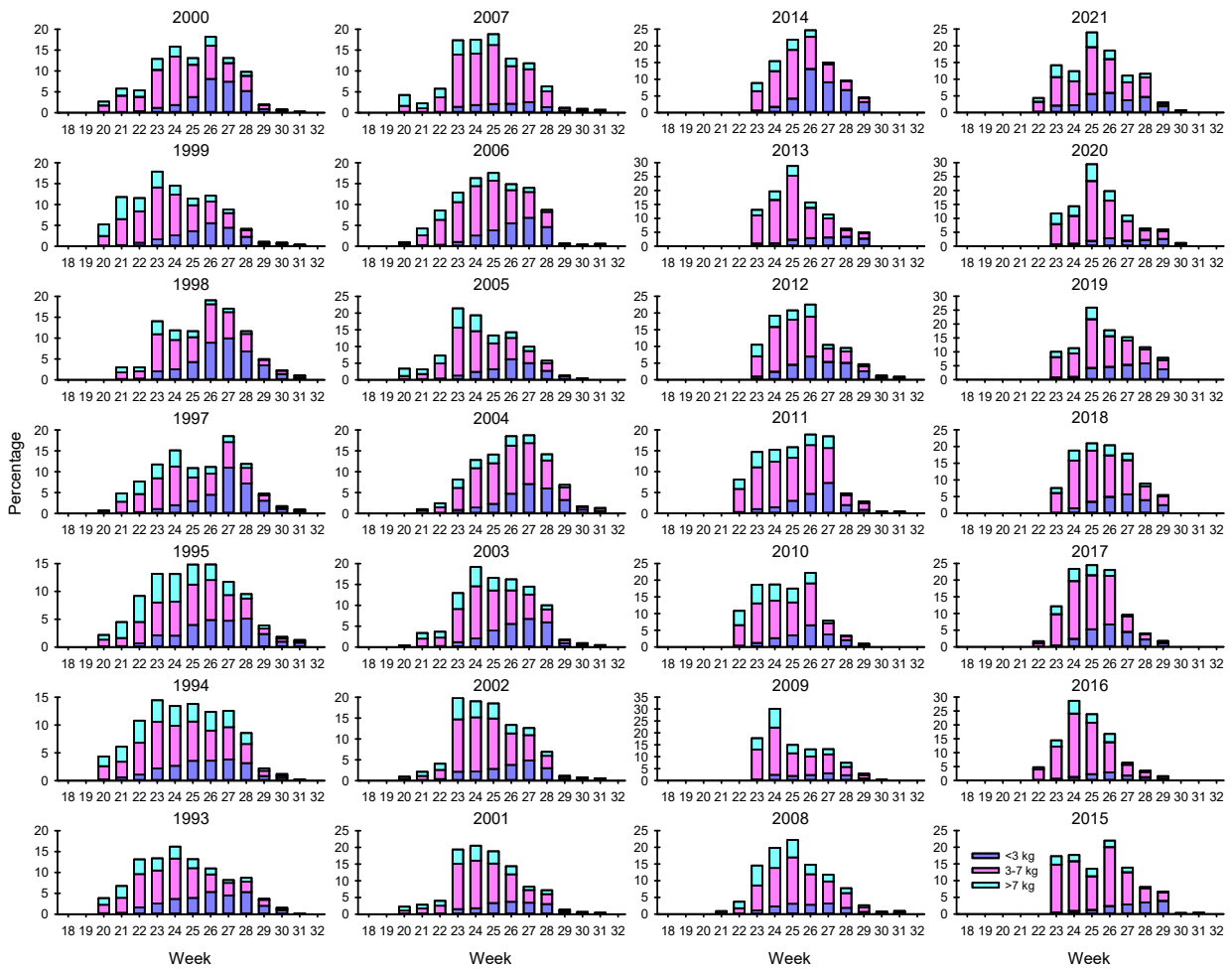


Figure 32. Percentage distributions of small, medium and large size salmon in the weekly salmon catches, calculated from the total weights of salmon caught in the fishing season. In the figure, bag net and bend net catches are combined in Varanger salmon district. Source; SSB