

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 XVI. Salmon resources in North Atlantic with special focus in terms of numbers, weights, timing and proportions between small, medium and large size salmon in the river catches in Finnmark and Troms**

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Report XVI. Salmon resources in North Atlantic with special focus in terms of numbers, weights, timing and proportions between small, medium and large size salmon in the river catches in Finnmark and Troms  Niemelä <sup>1,2</sup> , E., Hassinen <sup>1,2</sup> , E., Kalske <sup>3</sup> , T.H., Høstmark <sup>3</sup> , M.S.  <sup>1)</sup> Biodiversity Unit, University of Turku; Turku, Finland <sup>2)</sup> Firm Olli van der Meer; Oulu; Finland <sup>3)</sup> County Governor of Troms and Finnmark; Vadsø, Norway	
<p><b>Abstract</b></p> <p>The numbers of salmon caught in each river fluctuates from year to year. They are caused by the natural fluctuations in the stocks ascending into the rivers. Restrictions in salmon fishery both at sea and in the rivers have also caused annual changes in the catches. Fishing efforts measured with the numbers of bag nets and bend nets, as well as the numbers of recreational fishermen and the number of fishing days have impacts on the reported catches. Restrictions in the coastal fishery together with unfavorable weather conditions for bag net and bend net fishery might have, in some years, increased the abundance of salmon in the river catches. Reported salmon catches have declined since the year 2000 in the River Tana watershed, in the River Neidenelv, in all other salmon rivers combined in Finnmark and at sea in Finnmark. In salmon catches from the rivers Tanaelv, Neidenelv and from all other rivers combined in Finnmark, small salmon (smaller than 3 kg or 1SW) has been occurring in higher amounts compared to the catches at sea. Sea salmon fishing is generally targeting more towards larger salmon, especially medium size salmon (2SW), but also in the River Tanaelv multi-sea-winter salmon has been an important target.</p> <p>The figures illustrate that small and medium sized salmon has been in the catches almost every year. Large salmon (larger than 7 kilos) in the reports of killed salmon, occurs mainly in large rivers but, also in smaller rivers where they are usually released and therefore not always occurring in the official catches as killed fish. In all the rivers, the first catches are large salmon, followed by medium sized salmon and finally small salmon, indicated by median date of capture. In some of the rivers there has been clear annual fluctuations in the catches until the year 2000. However, during the last 20 years fluctuations has not been so clear.</p> <p>The mean weights of salmon vary annually in each river for small, medium and large salmon. Mean weights also differ between all the rivers in small, medium, and large salmon. Median date of capture is also varying annually within and between rivers in small, medium, and large salmon.</p>	
<p><b>Key words:</b>  Atlantic salmon, salmo salaris, sea salmon fishery, bag net, bend net, recreational fishing, Finnmark, Tana, Alta, Neiden</p>	
<p><b>Front page photo:</b>  Eero Niemelä</p>	

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## 1. Introduction

In this CoASal project report we present salmon resources measured as salmon catches in the rivers in Northern Norway. The quality of reported salmon catch data has gradually improved since 2004 compared to the previous decades, because of the introduced obligation for fishermen to inform about salmonid catches. Here we present the annual catches from the last 18 years in the most important salmon producing rivers in Northern Norway. From SSB annual data files we have collected long-term river catches and made graphs to indicate catch fluctuations, however, keeping in mind that those old total catches cannot be directly compared to the catches reported in the last 20-30 years for most of the rivers.

In this salmon catch report we present the annual salmon catches for three size groups in terms of numbers and weights and the numbers of salmon distributed between small (smaller than 3 kilos), medium (between 3 and 7 kilos) and large (larger than 7 kilos) sized salmon in reported river catches. The catch data is from SSB (Statistics Norway). Catch data from the River Neidenelv (Näätämö) also includes Finnish salmon catches, when salmon catches are divided between sea-age groups (1SW-4SW, previous spawners of 1S1, 2S1, 3S1 and other groups).

Development and annual variations in salmon catches from the rivers in Northern Norway has been affected by various regulatory measurements over the years, both at sea and in the rivers. Fishing effort with bag nets and bend nets at sea, together with the rod fishing effort in the rivers has caused annual variations in salmon catches in the rivers. The annual variations in the sea survival also have an impact on the numbers of salmon returning to the rivers. Sea environment like water temperature, combined with the annual variations in the production of salmon food, also affects the size of salmon and migration periods along the coasts and the ascend into the rivers.

Some factors have had positive affects to increase the salmon survival at sea and have helped salmon to migrate back to its home river:

- The establishment of NASCO (North Atlantic Salmon Organization) in 1984 prohibited the high seas salmon fishery (allowing only an annual catch quota in Faroes)
- Norway prohibited salmon driftnet fishery at sea along the coastline within the area west of Nordkapp in 1988
- Norway has limited the fishing time of bend nets and bag nets in Finnmark
- Norway prohibited bend nets in salmon sea fishing in Finnmark 2022

## 2. General description on the salmon catches in selected Finnmark and Troms rivers

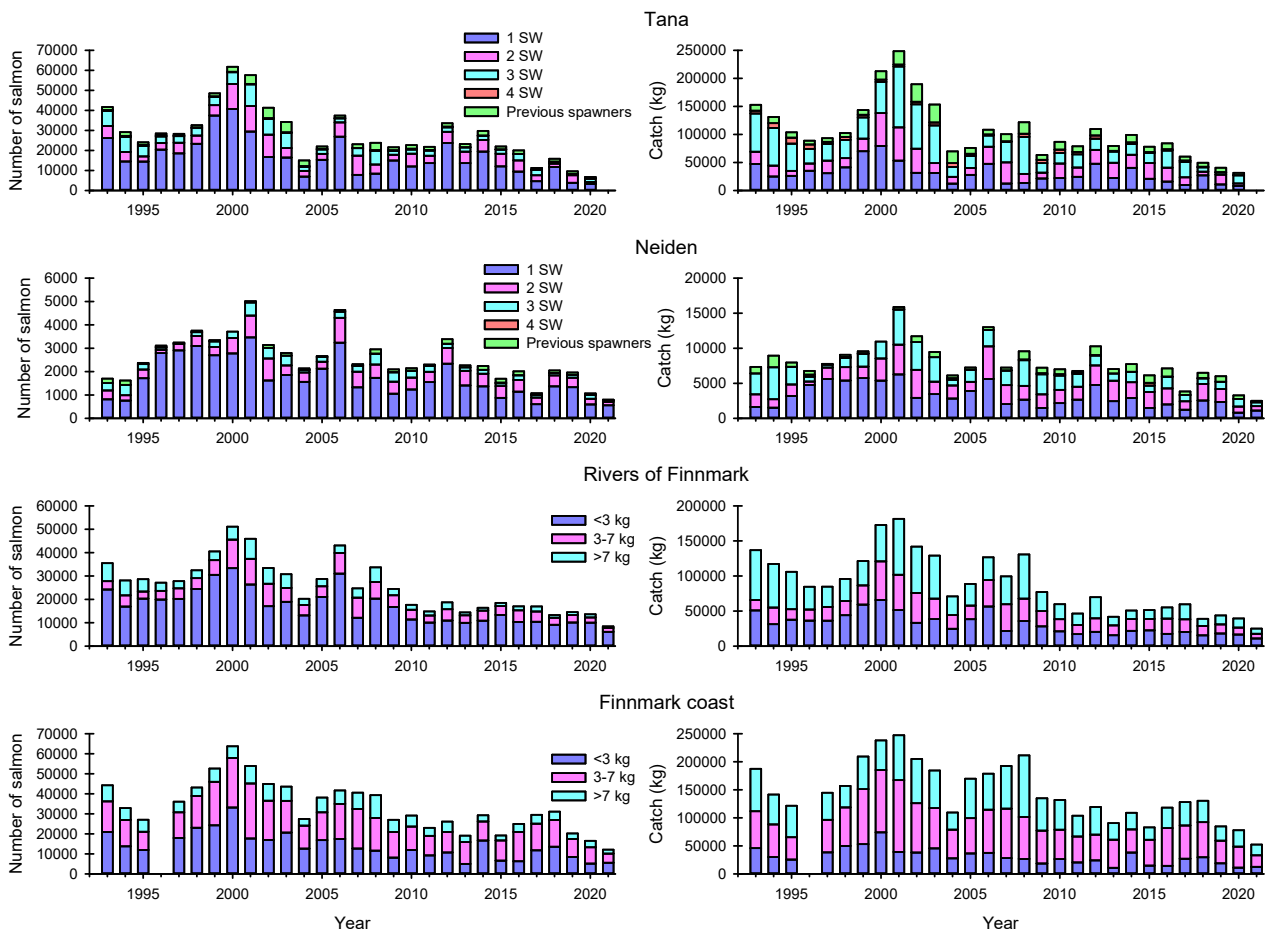


Figure 1. Long-term annual salmon catches in the rivers Tana and Neiden in Finnmark (Norwegian and Finnish catches combined), in the other rivers in Finnmark and at sea in Finnmark. Salmon catches in the rivers Tana and Neiden are presented in terms of numbers for each sea-age groups, catches in other rivers than Tana and Neiden like catches at sea are presented in terms of numbers for three size groups of fish. Source: SSB, Luke.

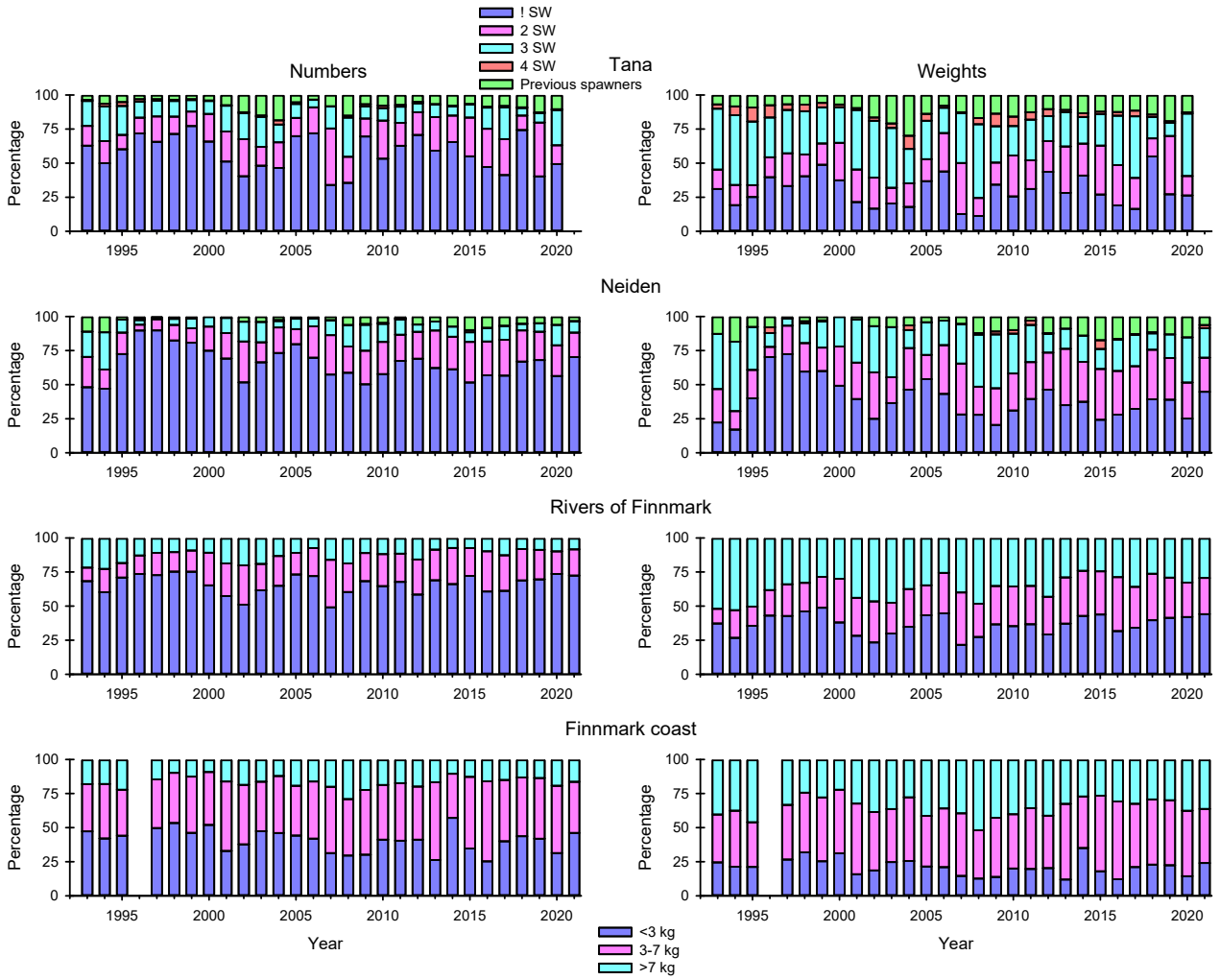


Figure 2. Annual sea-age distributions in the rivers Tana and Neiden (Norway and Finland combined) and size distributions in other rivers in Finnmark and in the sea fishery. Source: SSB, Luke.

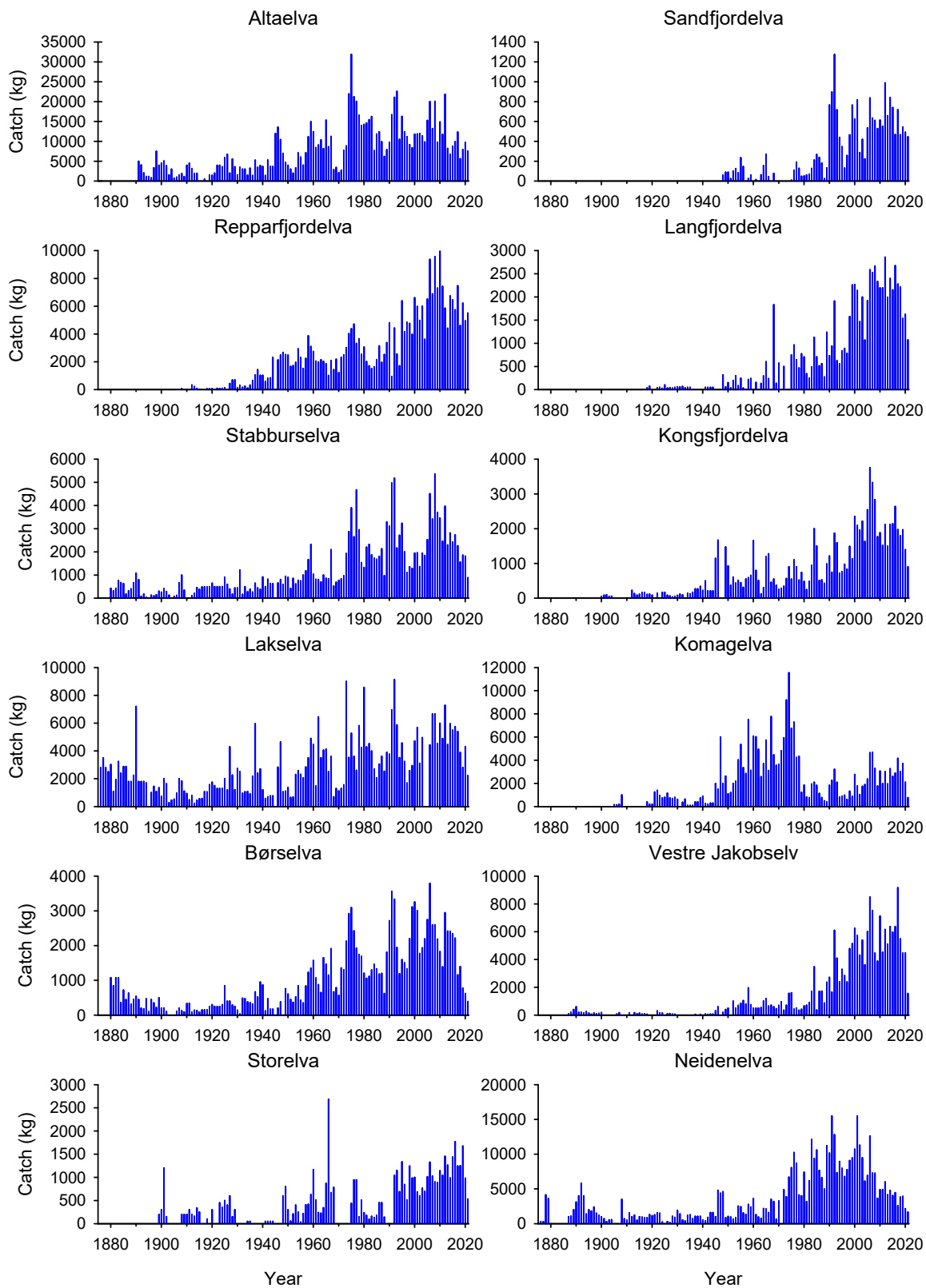


Figure 3. Long-term salmon catches in Finnmark rivers. Source: SSB

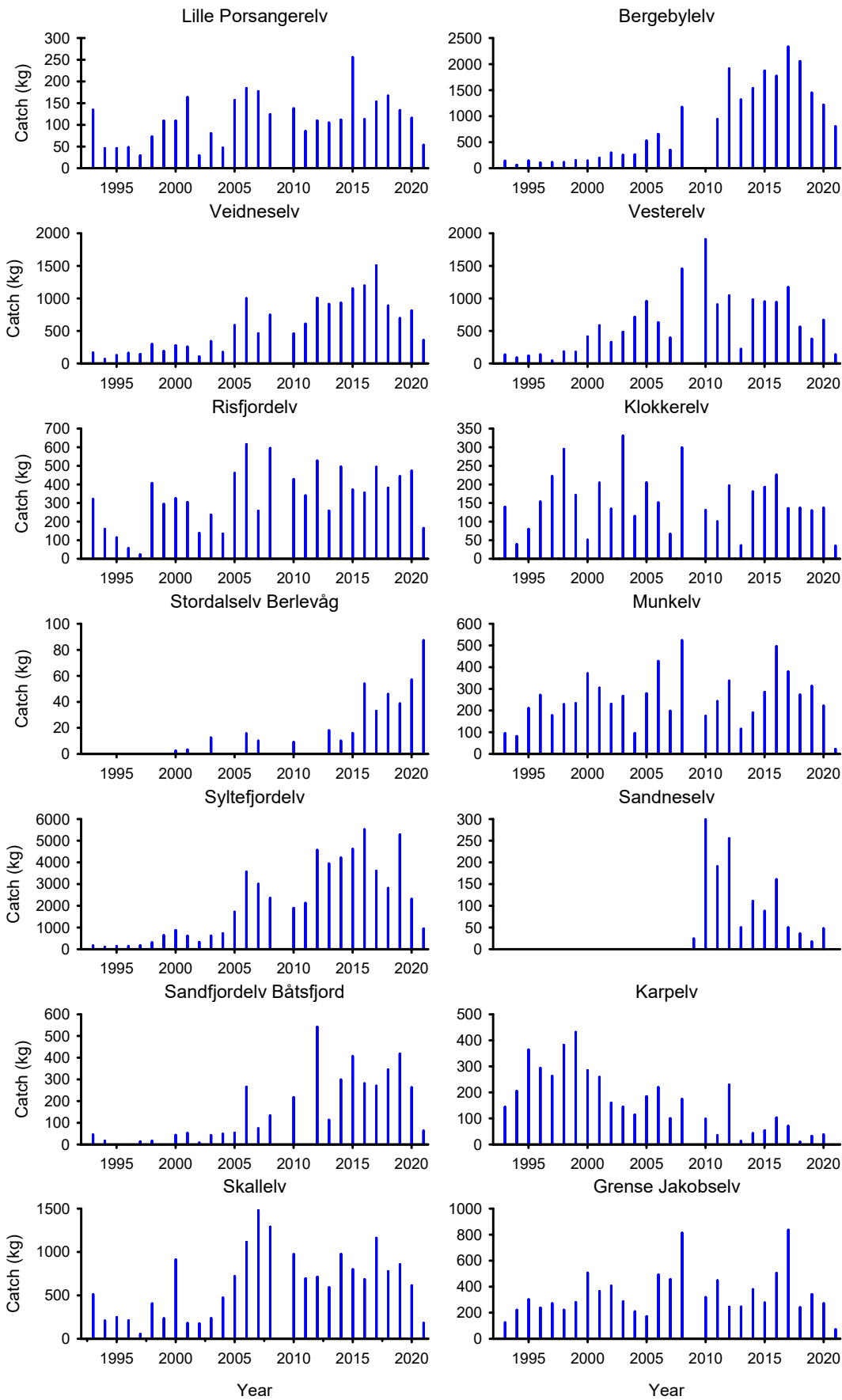


Figure 4. Long-term salmon catches in Finnmark rivers. Source: SSB



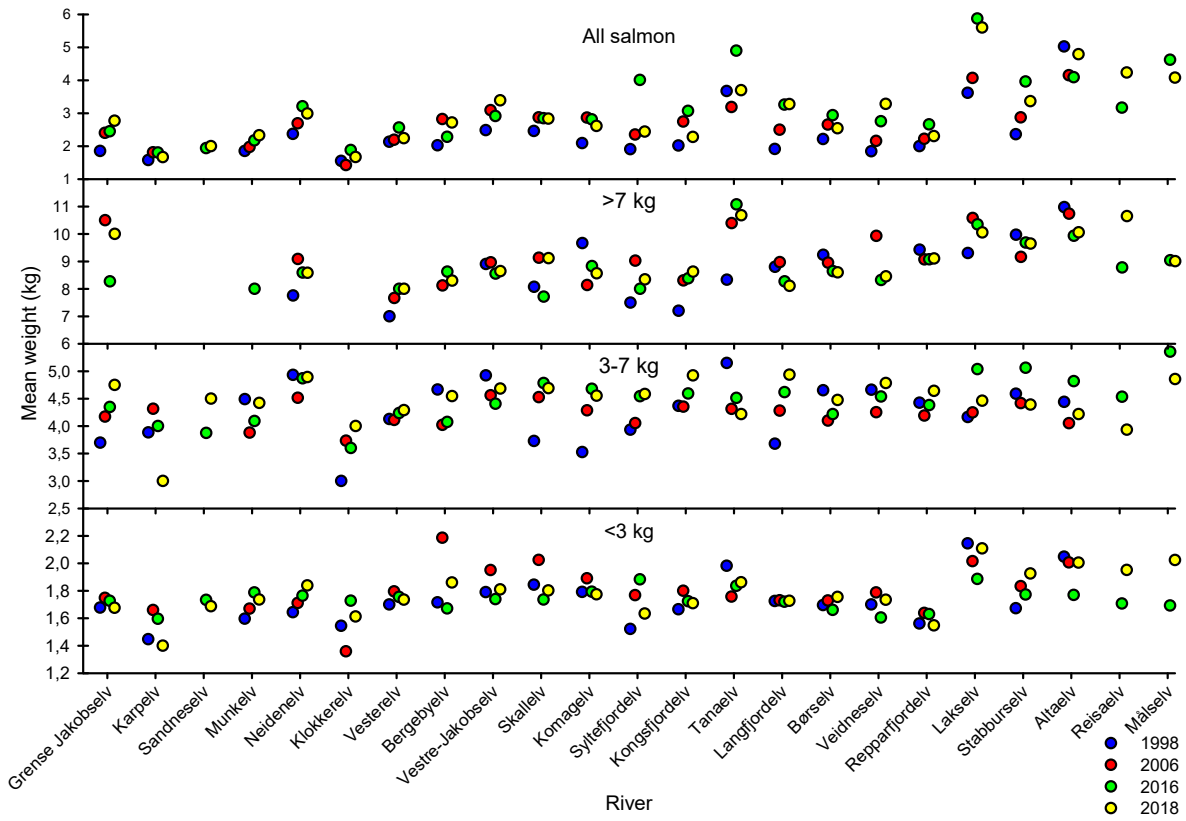


Figure 5. Annual variations in the mean weights of small, medium and large size salmon caught in selected rivers in Finnmark and Troms in the years 1998, 2006, 2016 and 2018. Rivers are in order from east to west. Source: SSB

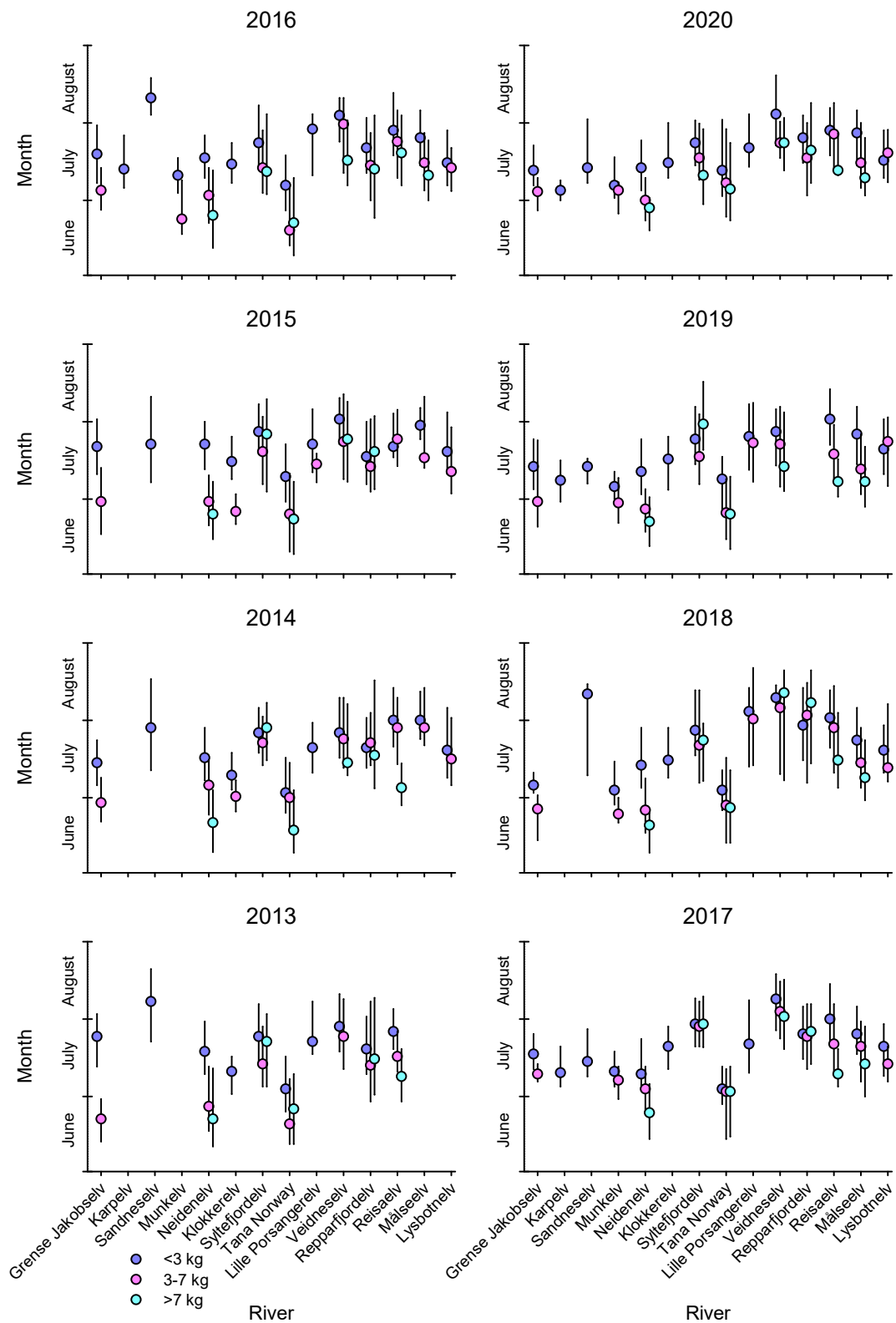


Figure 6. Annual differences in the median dates of capture (with upper and lower quartiles) between the rivers for small, medium and large size salmon caught in selected rivers in Finnmark and Troms. Median dates of capture have been analyzed using daily catches. Rivers on x- axes are presented from east to west. Catch data from the River Tana come from the fishery between the river estuary and Finnish Norwegian boarder. The River Tana includes catches from drift nets, weirs, gillnets and rod fishing. Catches from other rivers include data from rod fishing. Source: SSB

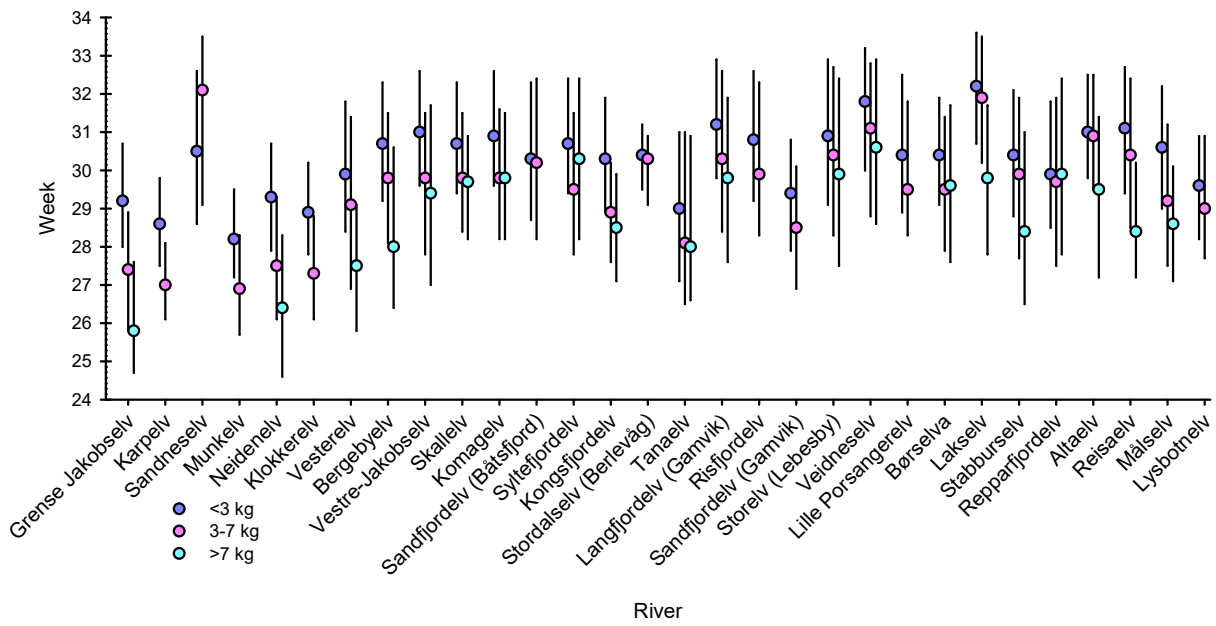


Figure 7. Overview of the median dates of capture (with upper and lower quartiles) for small, medium and large size salmon caught in the years 2013-2020 in selected Finnmark and Troms rivers. Results are based on the weekly catches. Source: SSB.

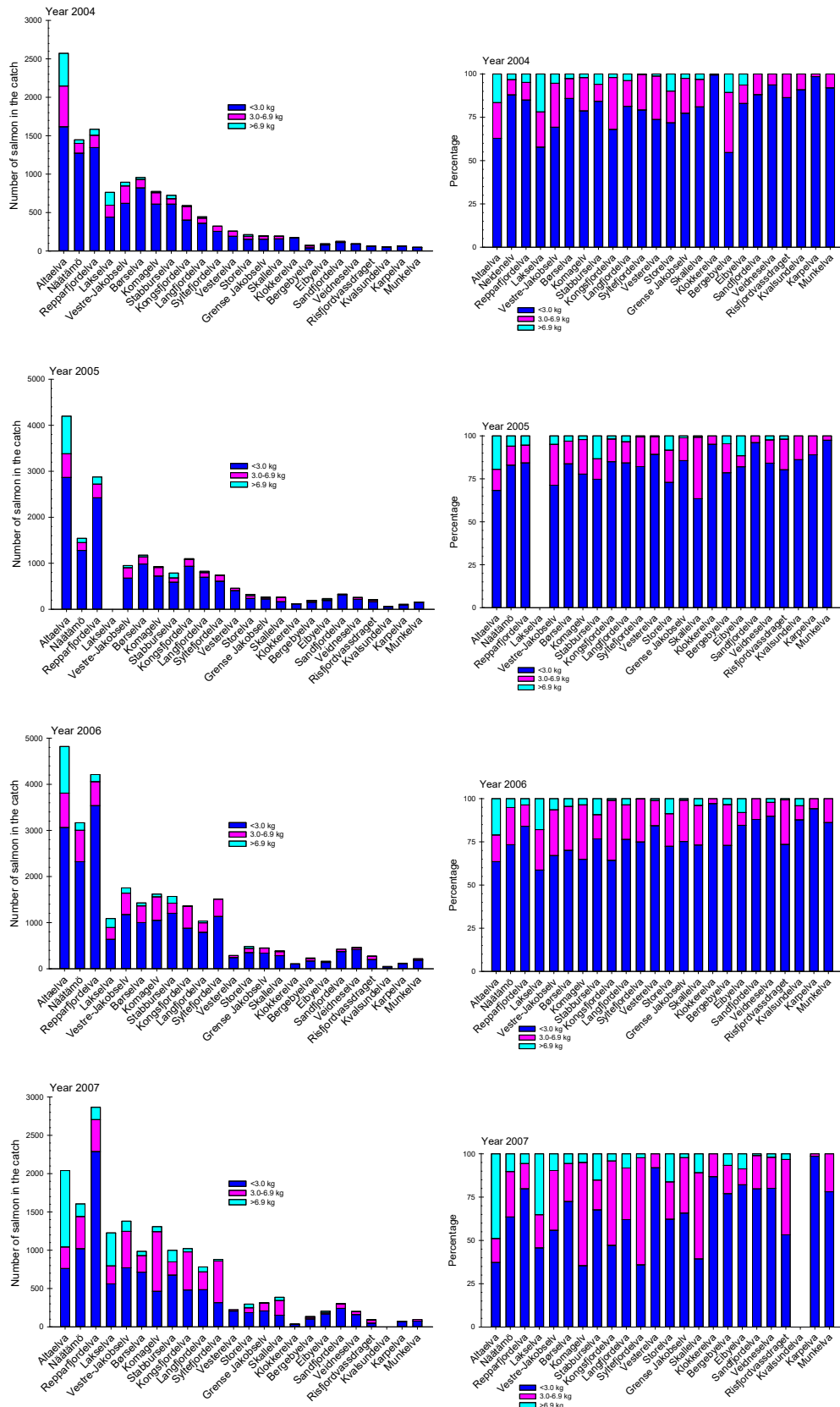


Figure 8. Salmon catches in terms of numbers and proportions for the three weight groups in the years 2004-2007 in selected Finnmark rivers. Source: SSB.

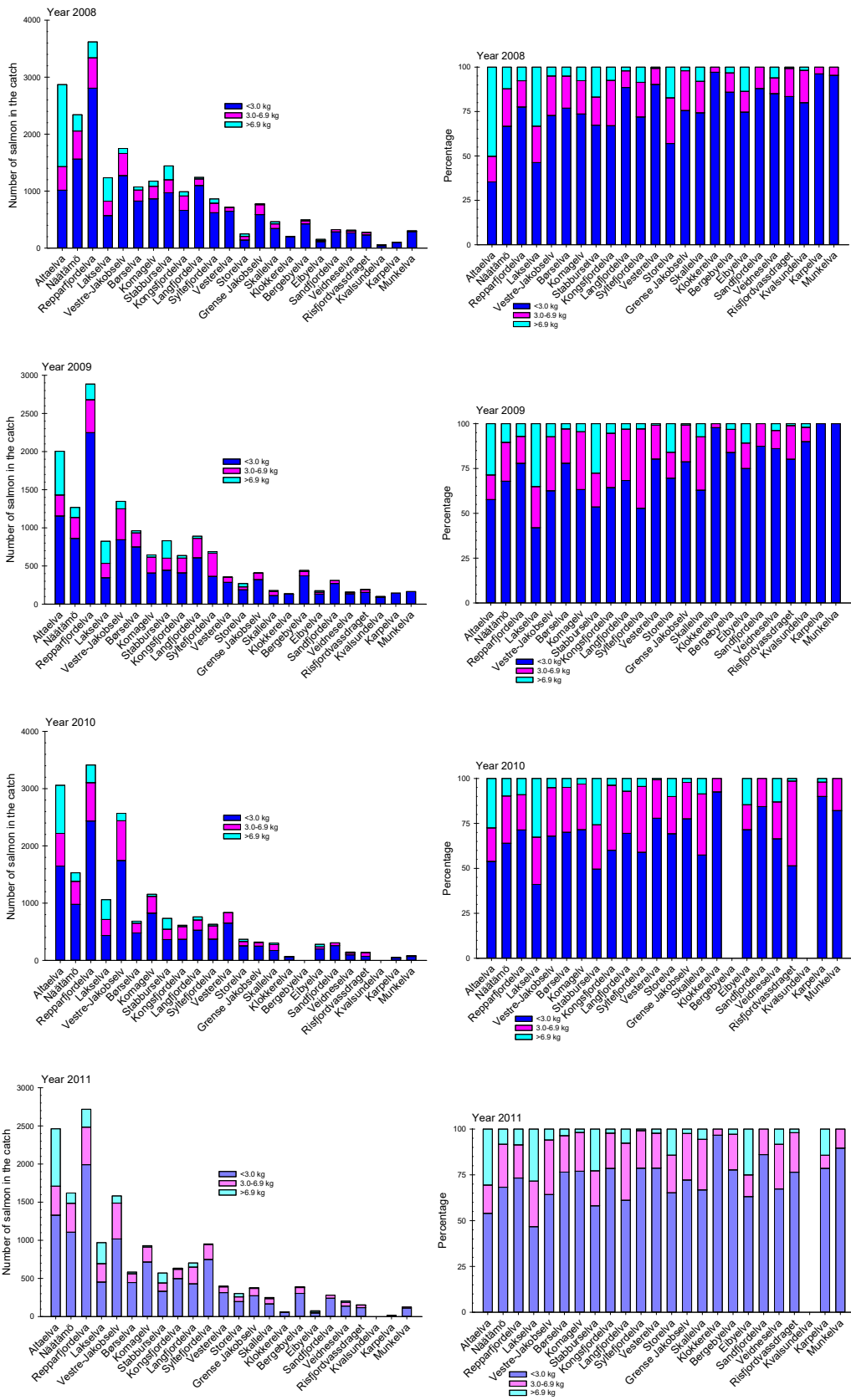


Figure 9. Salmon catches in terms of numbers and proportions for the three weight groups in the years 2008-2011 in selected Finnmark rivers. Source: SSB.

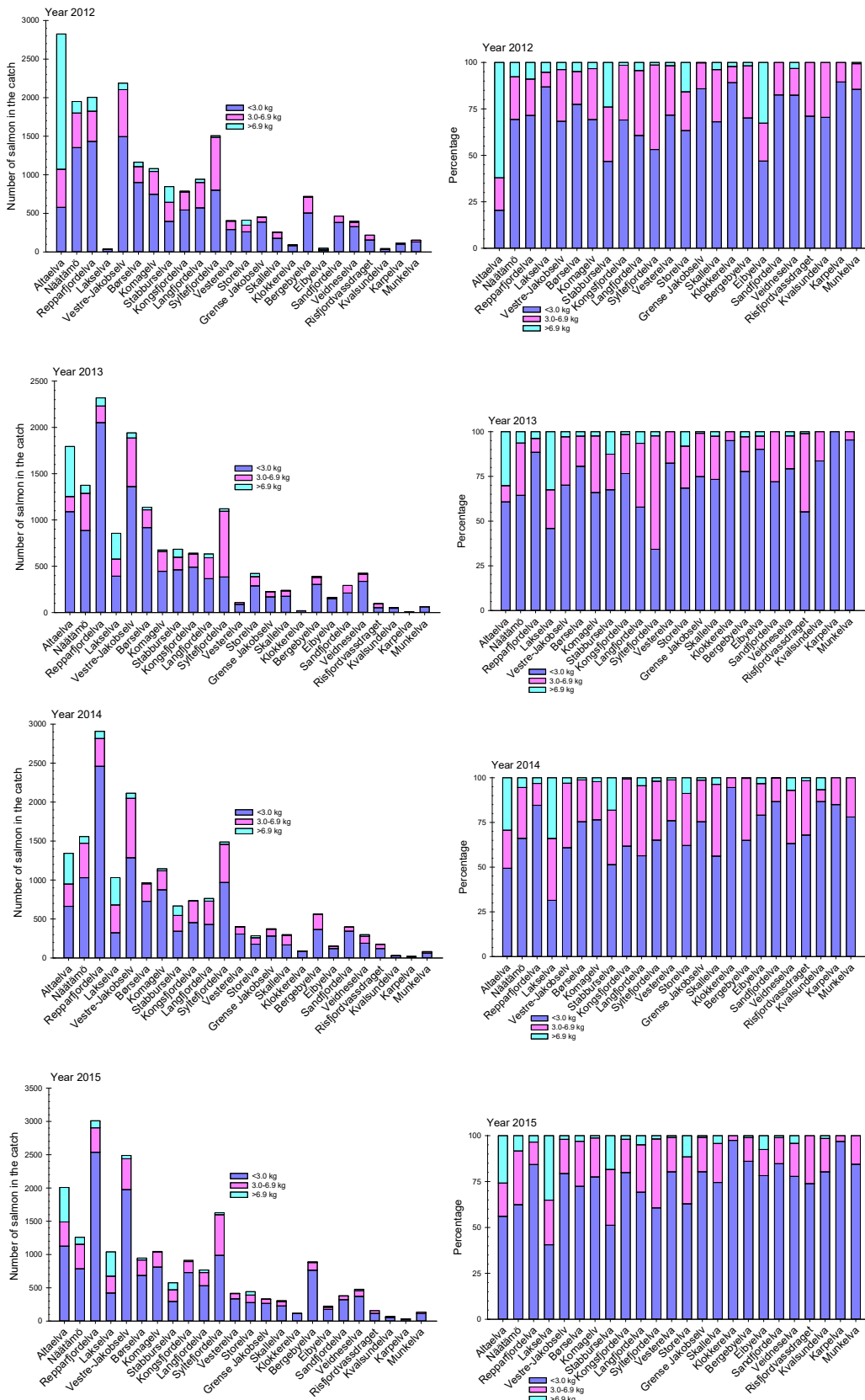


Figure 10. Salmon catches in terms of numbers and proportions for the three weight groups in the years 2012-2015 in selected Finnmark rivers. Source: SSB

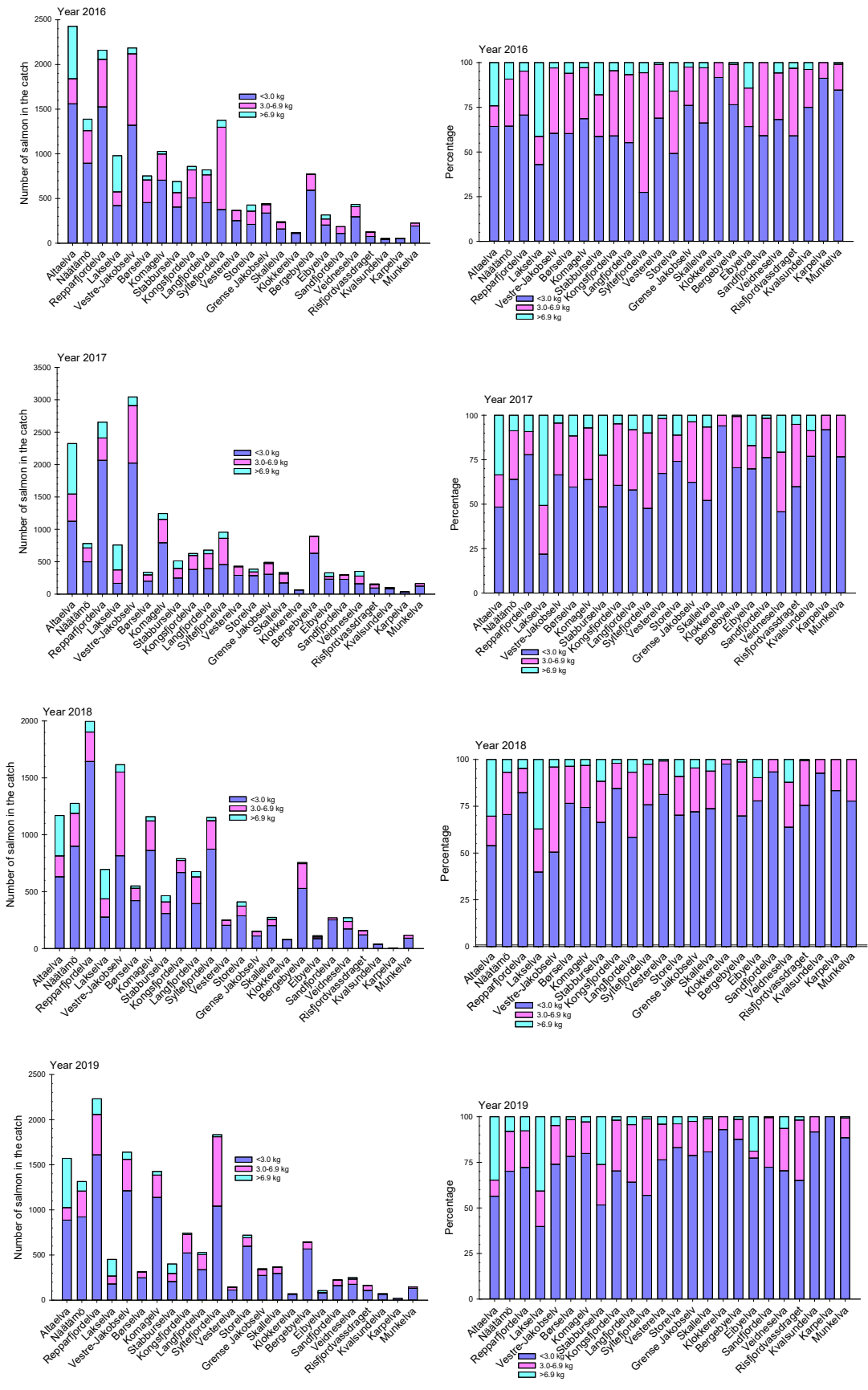


Figure 11. Salmon catches in terms of numbers and proportions for the three weight groups in the years 2016-2019 in selected Finnmark rivers. Source: SSB

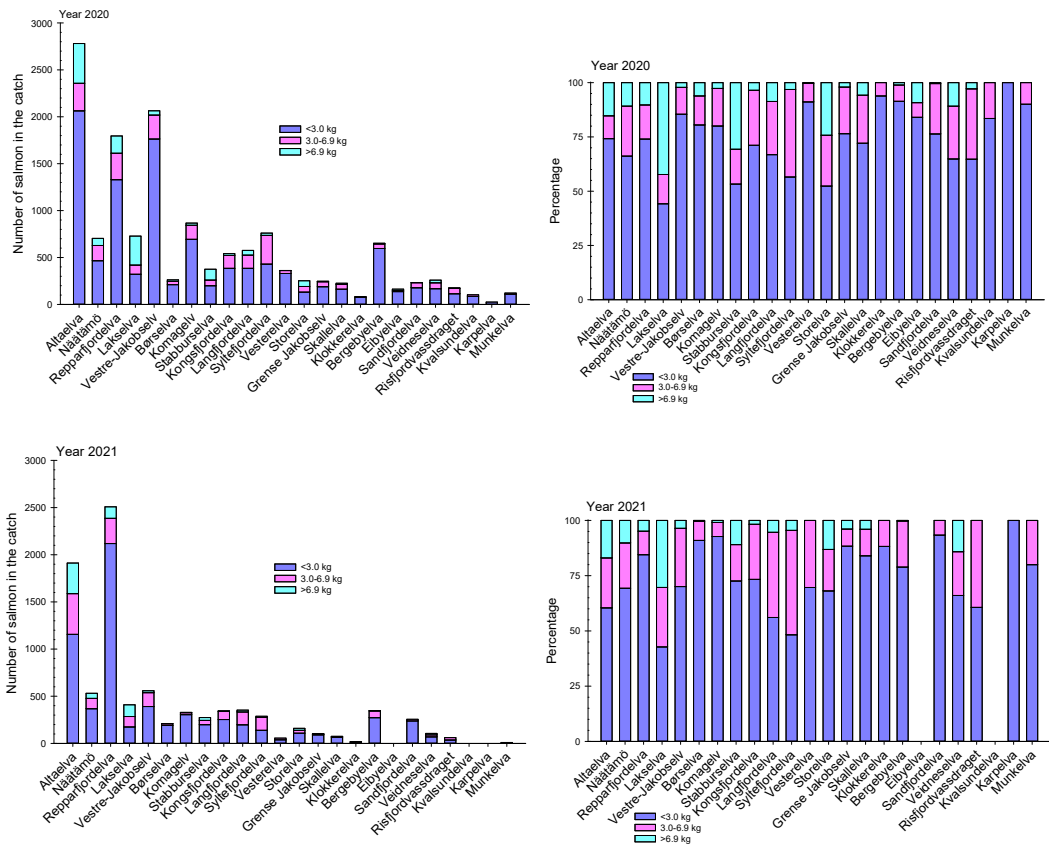


Figure 12. Salmon catches in terms of numbers and proportions for the three weight groups in the years 2020-2021 in selected Finmark rivers. Source: SSB



### 3. Salmon catches in the River Grense Jakobselv

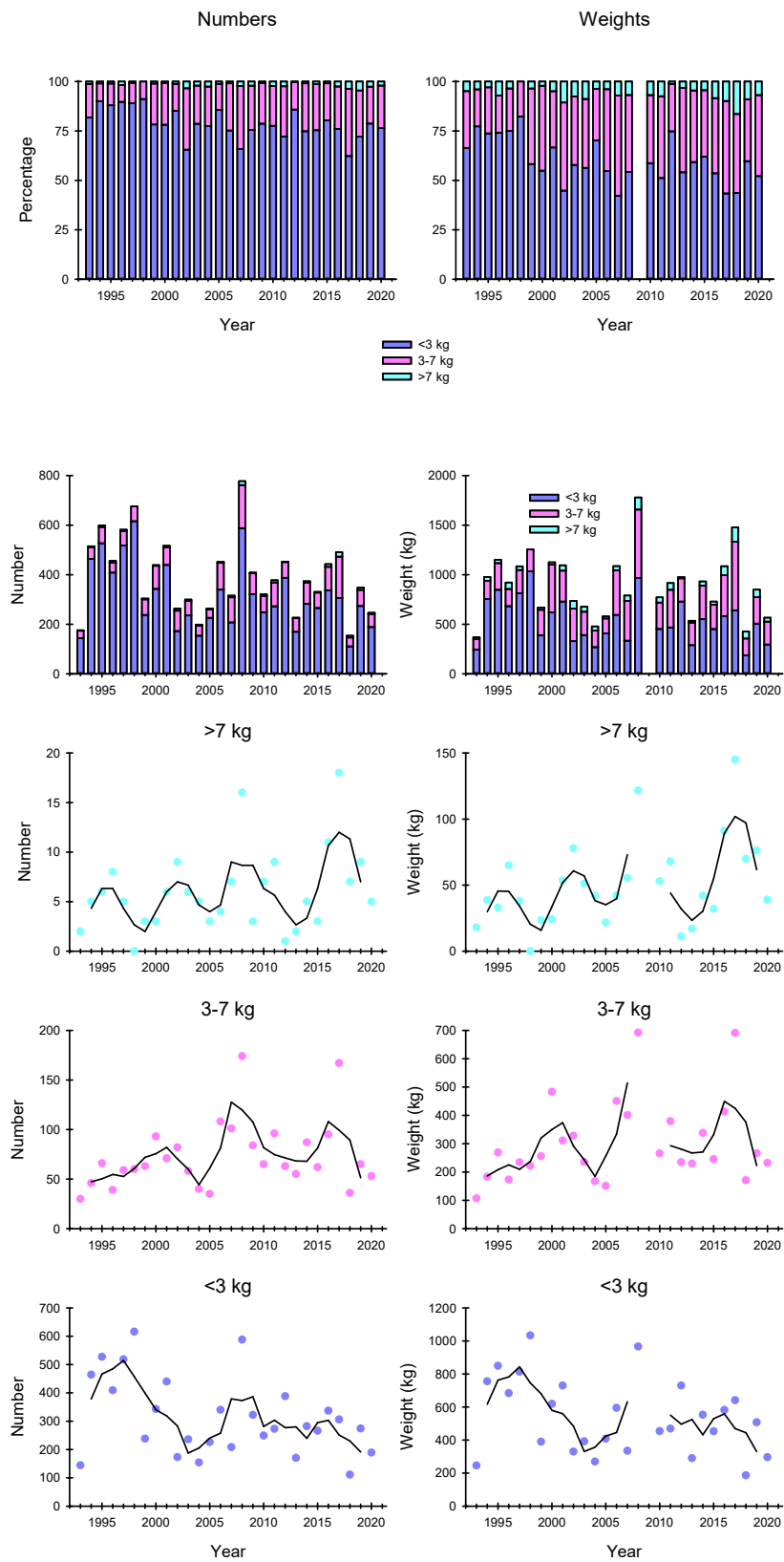


Figure 13. Annual salmon catches in numbers, weights and in proportions for the three weight groups in the River Grense Jakobselv. Source: SSB

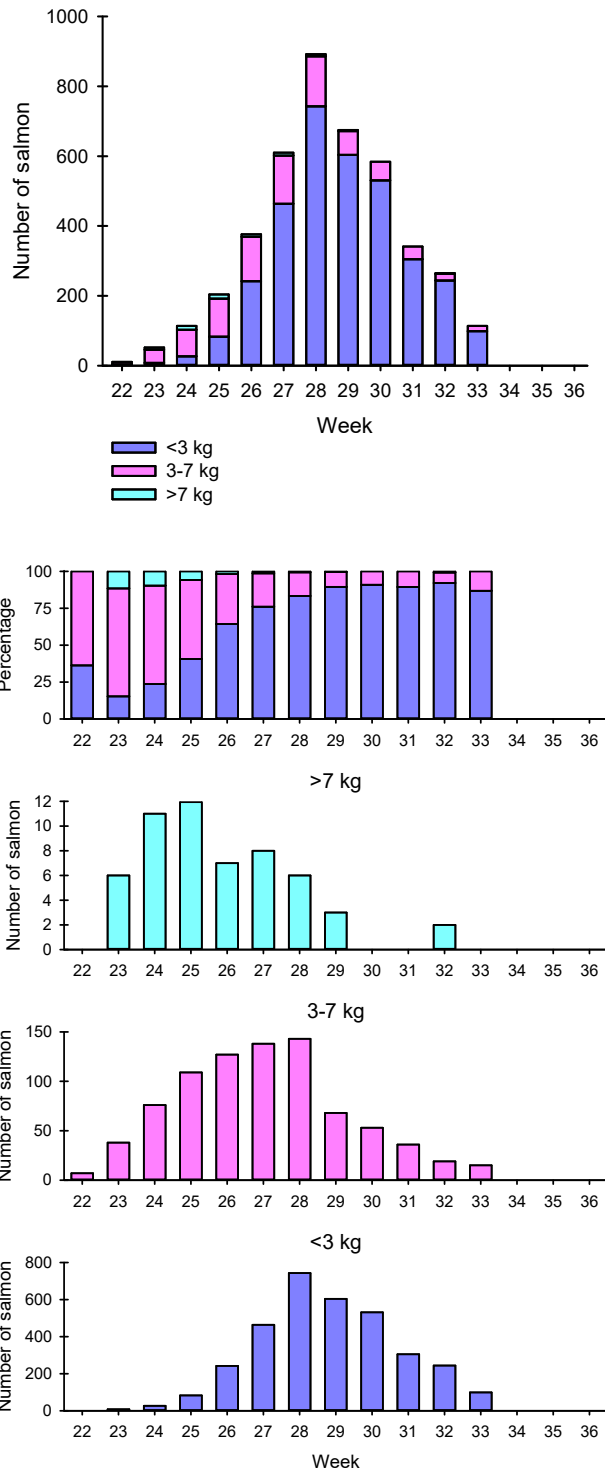


Figure 14. Weekly catch distributions in terms of numbers and proportions for the three weight groups of salmon in the River Grense Jakobselv in the years 2008-2020. Source: SSB

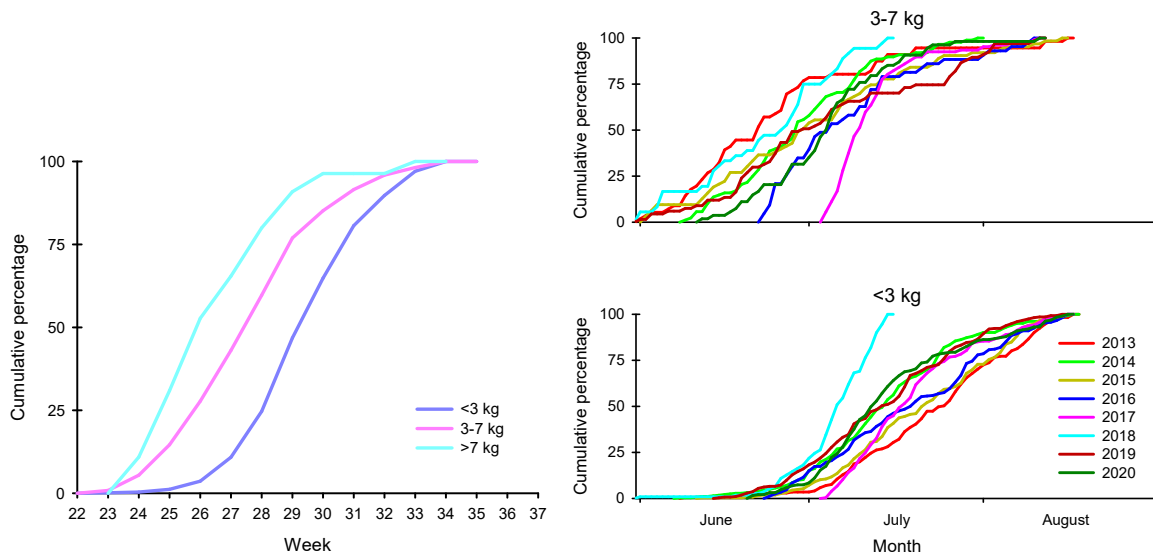


Figure 15. Cumulative catches (calculated from the daily catches in the years 2008-2020) for three weight groups of salmon (figure on the left) and annual cumulative catches (calculated from weekly catches in the years 2013-2020) for two weight groups of salmon (figure on the right) in the River Grense Jakobselv. Source: SSB

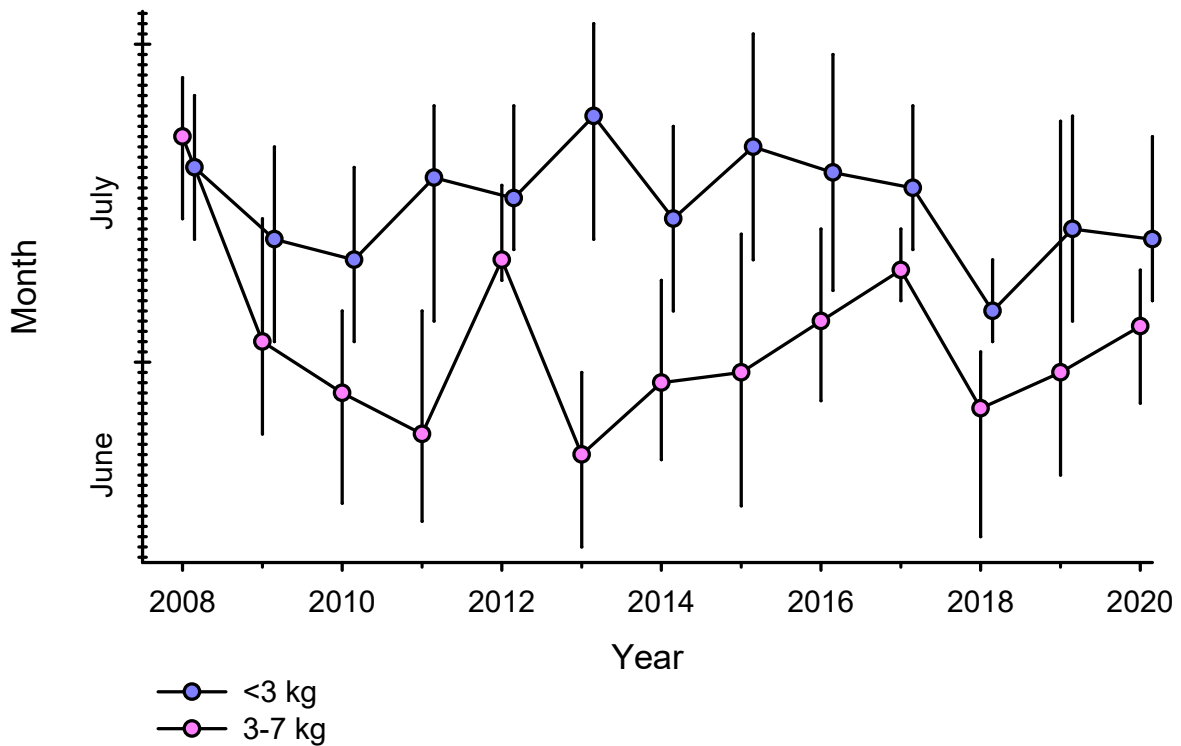


Figure 16. Median dates of capture with upper and lower quartiles for two weight groups of salmon in the River Grense Jakobselv. Calculated from the daily catches. Source: SSB

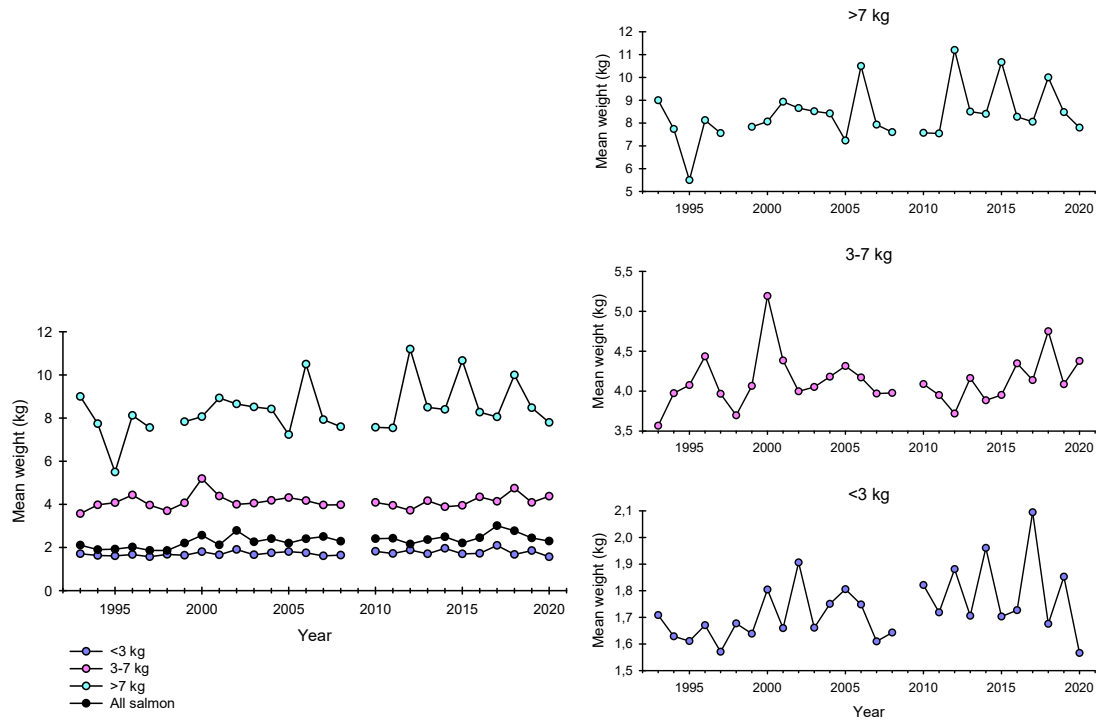


Figure 17. Annual mean weights of salmon for three size groups and for the total mean of all salmon (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right) in the River Gense Jakobselv. Source: SSB

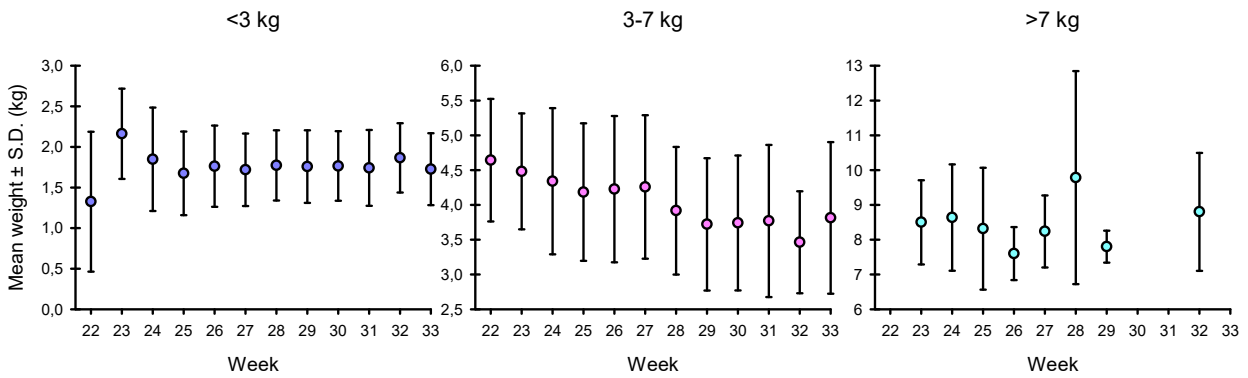


Figure 18. Weekly mean weights of salmon caught in the River Gense Jakobselv. Weekly catch data is combined in the years 2008-2020. Source: SSB

## 4. Salmon catches in the River Karpelv

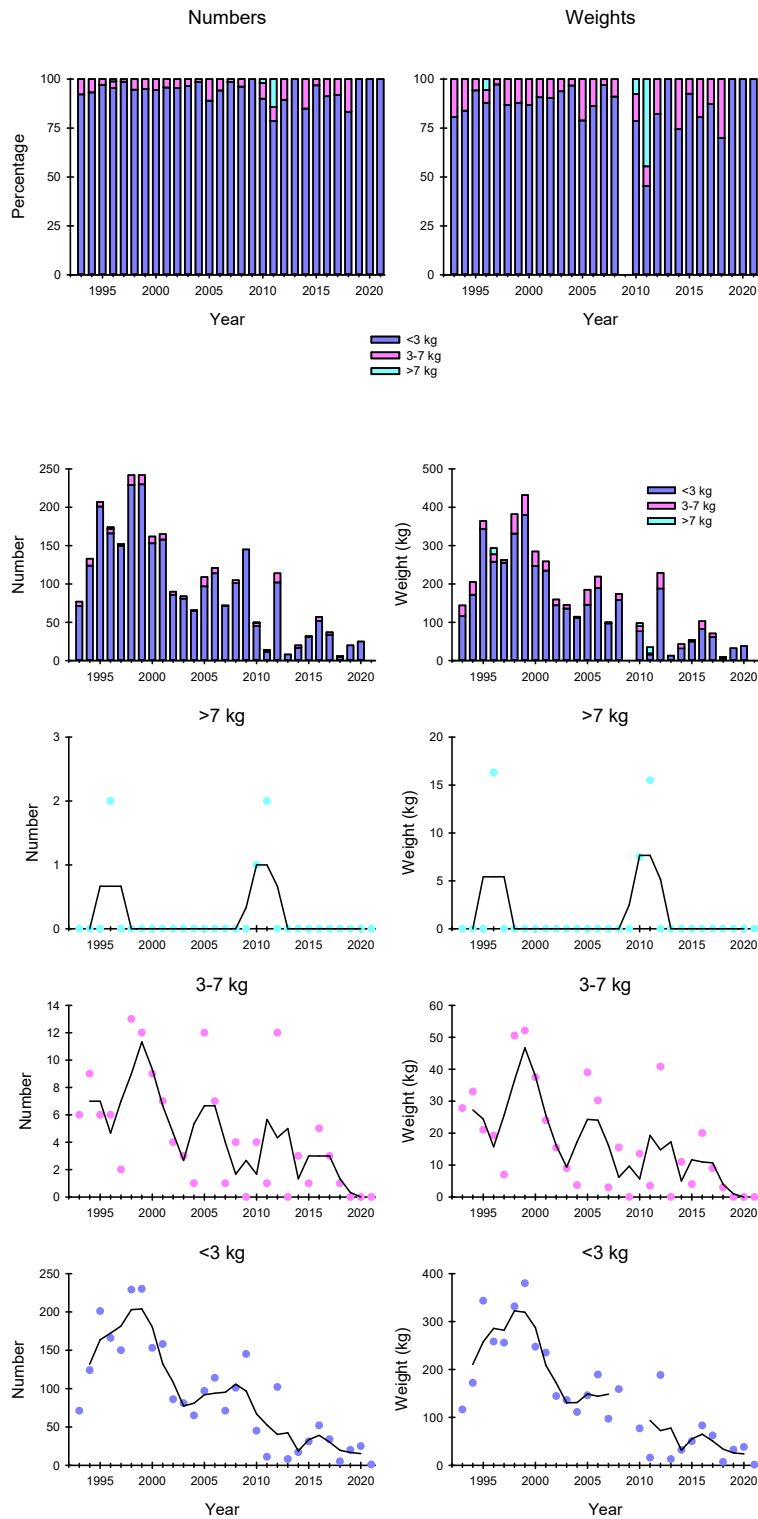


Figure 19. Salmon catches in numbers and weights in three weight groups in the River Karpelv. Source: SSB

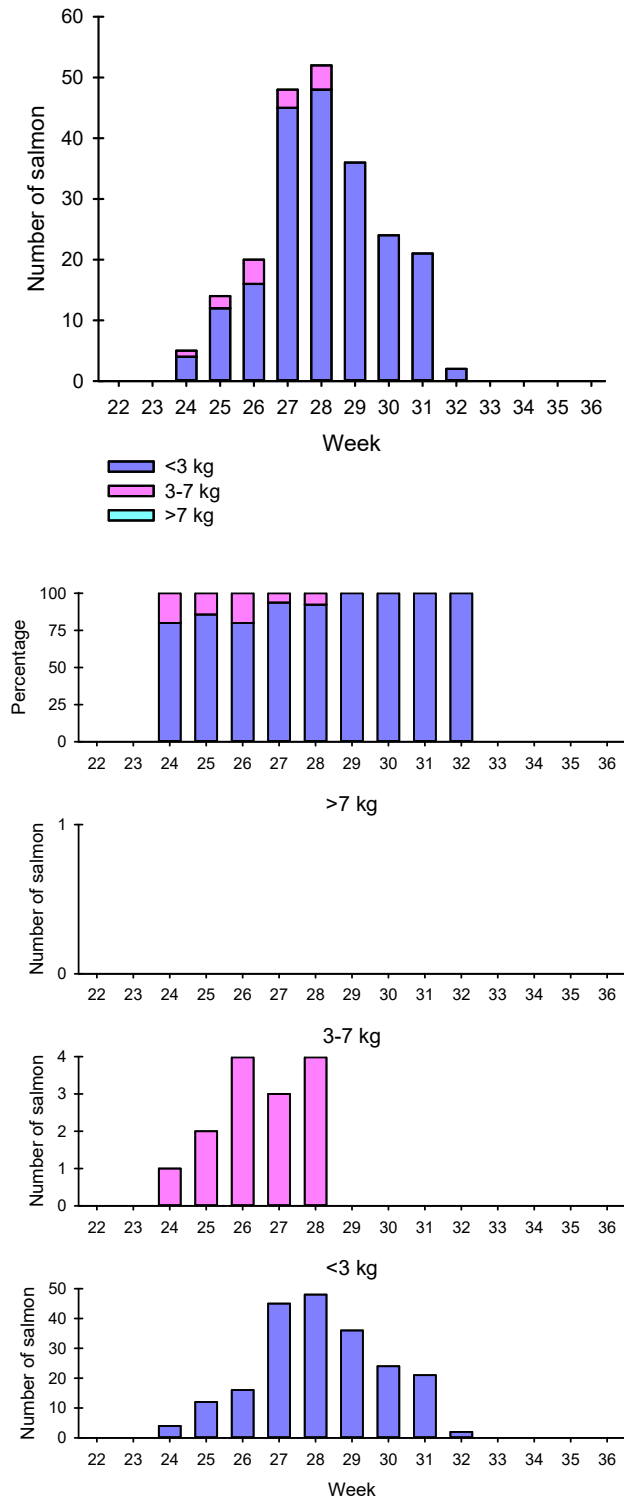


Figure 20. Weekly catch distributions in terms of numbers for the three weight groups of salmon in the River Karpelv years 2013-2020 combined. SSB.

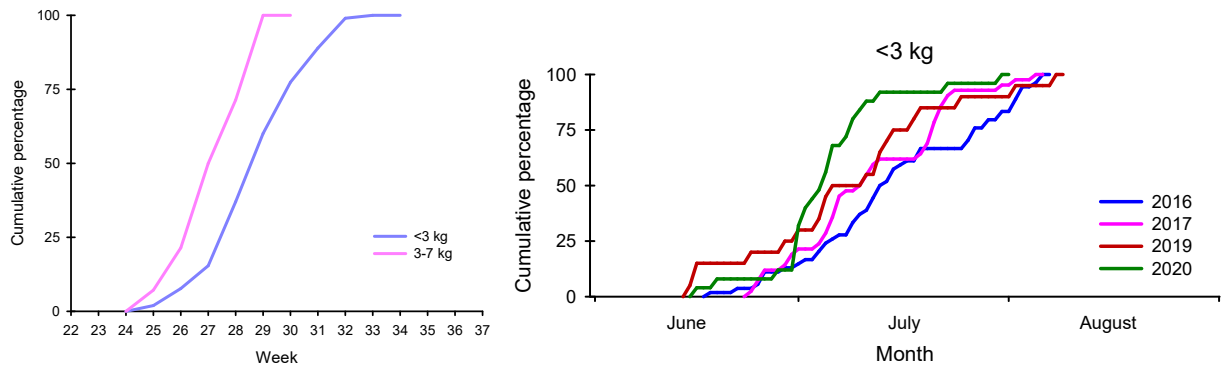


Figure 21. Cumulative catches (calculated from the daily catches in the years 2013-2020) for the weight groups small and medium (figure on the left) and annual cumulative catches (counted from daily catches) for small salmon (figure on the right) in the River Karpelv. Source: SSB

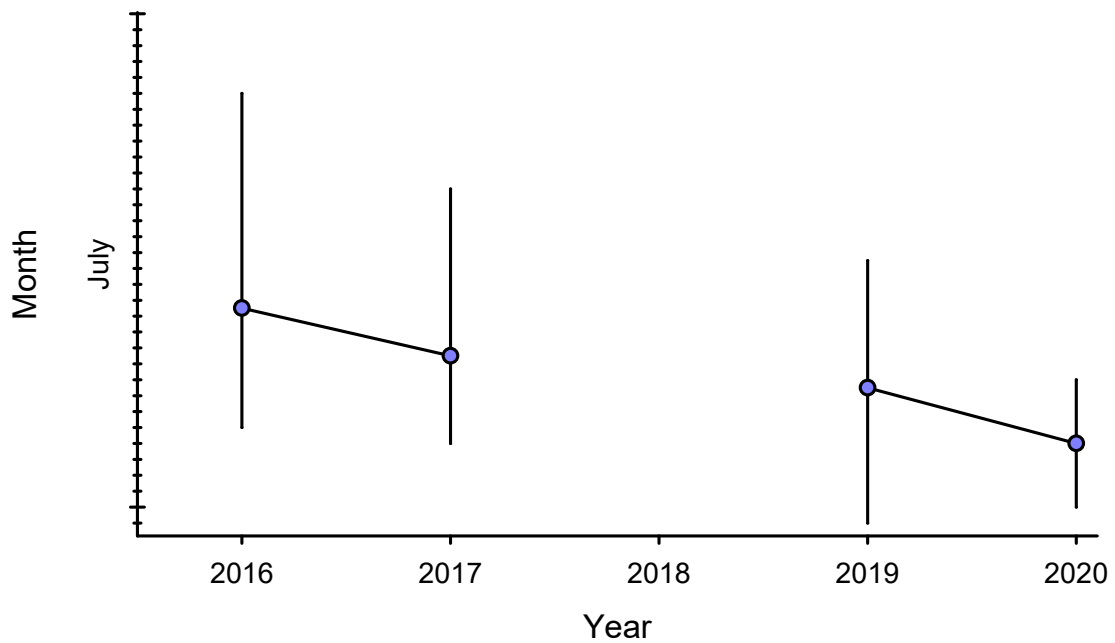


Figure 22. Median dates of capture with upper and lower quartiles for salmon below 3 kg in the River Karpelv. Calculated from the daily catches. Source: SSB

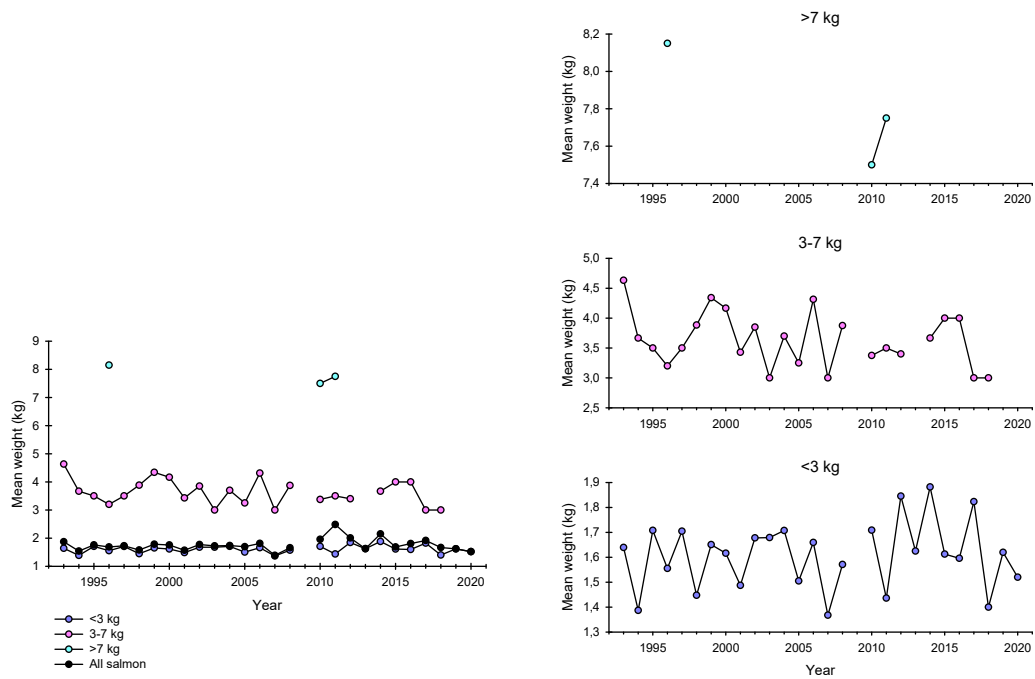


Figure 23. Annual mean weights of salmon for three size groups and for the total mean of all salmon (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right) in the River Karpelv. Source: SSB

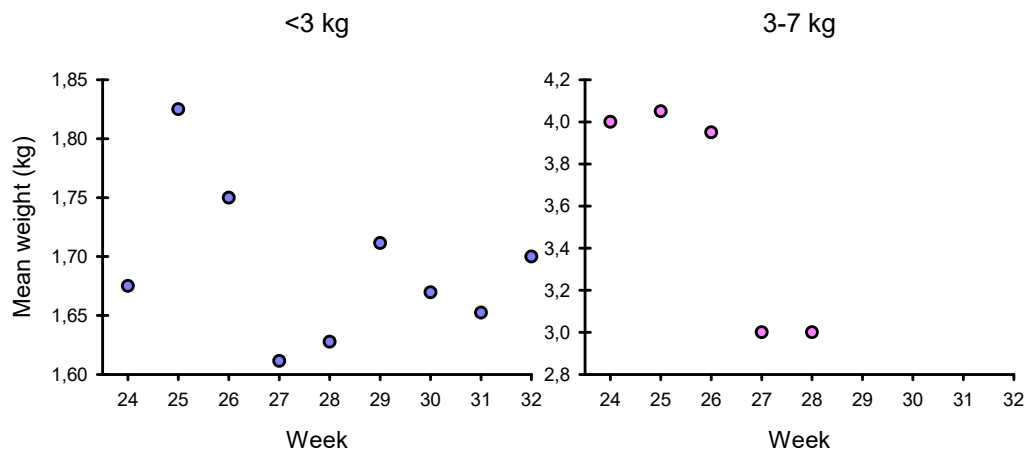


Figure 24. Weekly mean weights of salmon caught in the River Karpelv. Weekly catch data from the years 2013-2020 is combined. Source: SSB.



## 5. Salmon catches in the River Sandneselv

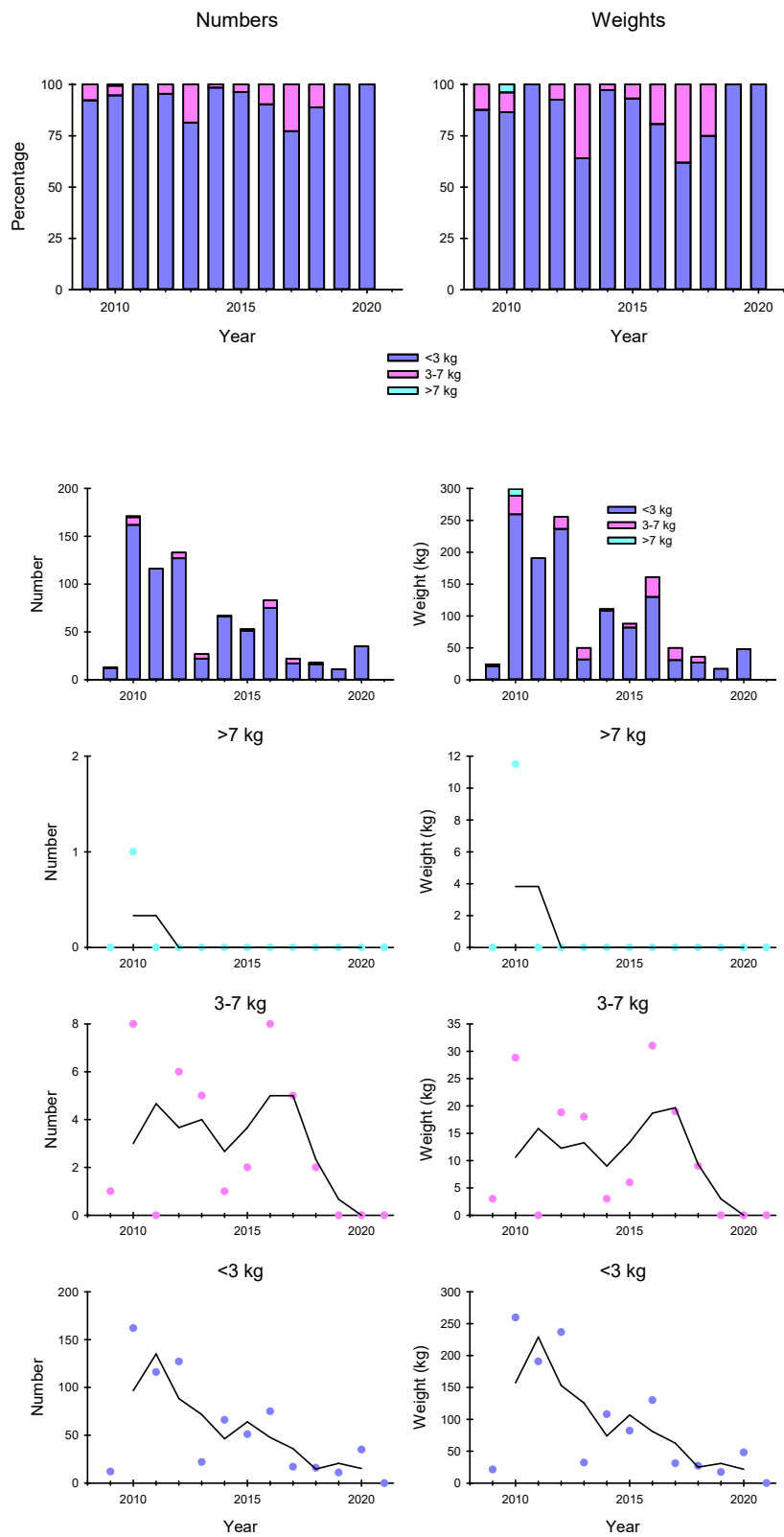


Figure 25. Salmon catches in numbers and weights in three weight groups in the River Sandneselv. Source: SSB

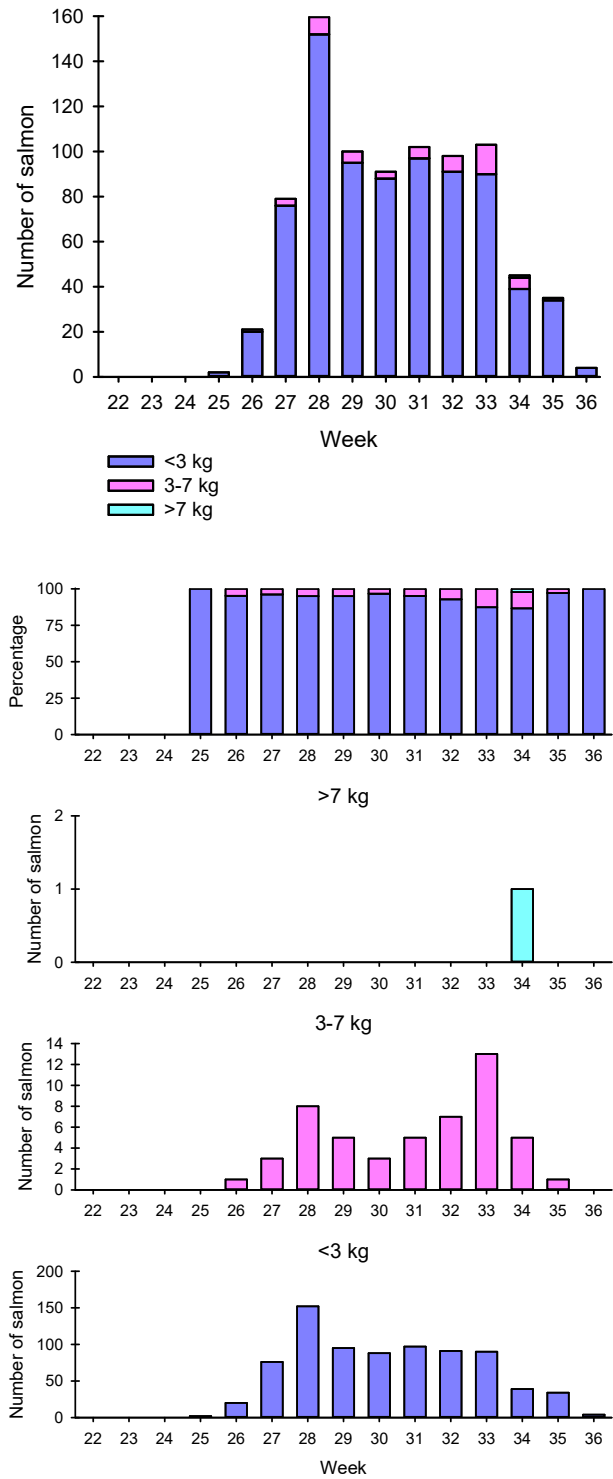


Figure 26. Weekly catch distributions in terms of numbers for the three weight groups of salmon in the River Sandneselv in the years 2009-2020. Source: SSB

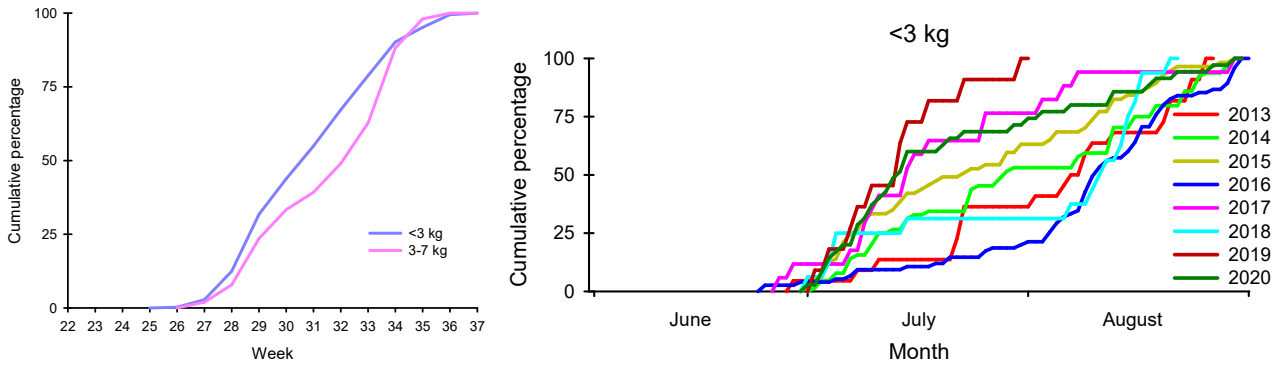


Figure 27. Cumulative catches (counted from the weekly catches) for two weight groups of salmon in the River Sandneselv in the years 2009-2020 (figure on the left) and annual cumulative catches (counted from daily catches) for one weight group of salmon (figure on the right). Source: SSB

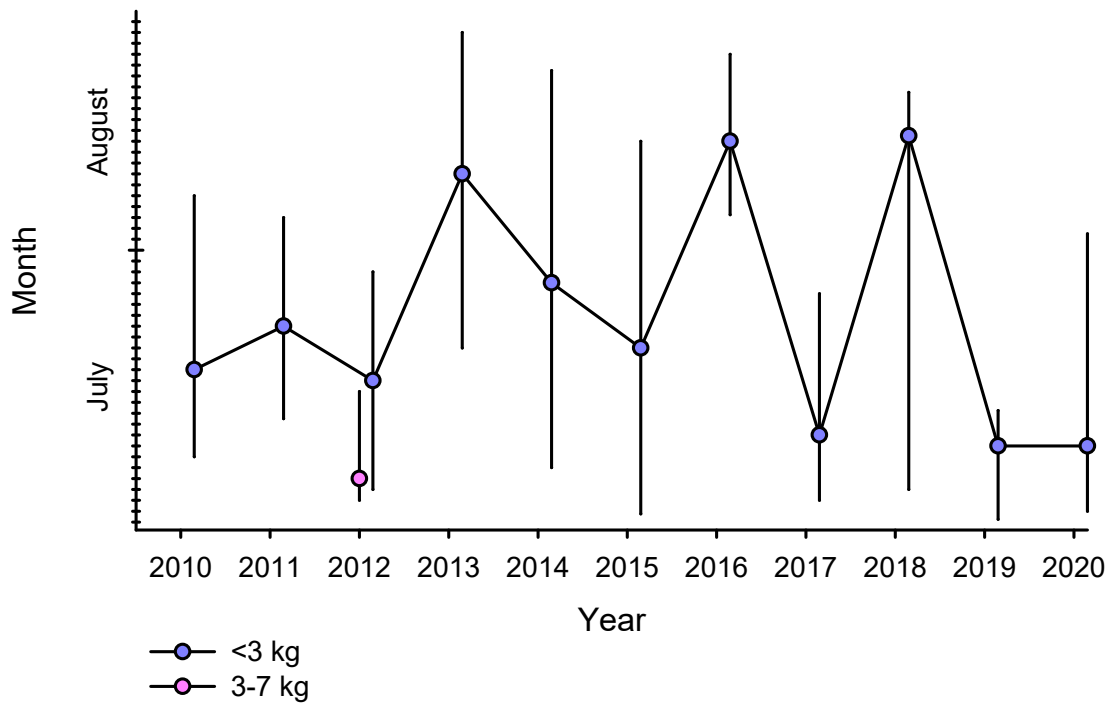


Figure 28. Median dates of capture with upper and lower quartiles for two weight groups of salmon in the River Sandneselv. Calculated from the daily catches. Source: SSB

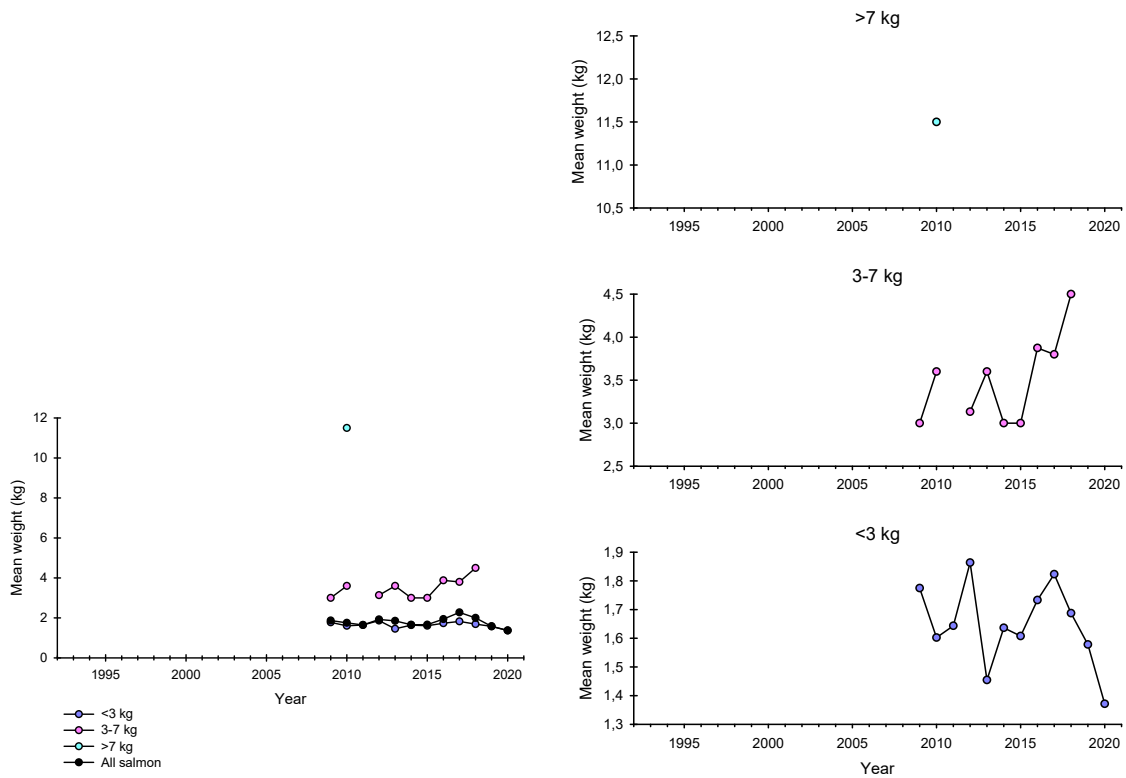


Figure 29. Annual mean weights of salmon for three size groups and for the total mean of all salmon (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right) in the River Sandneselv. Source: SSB

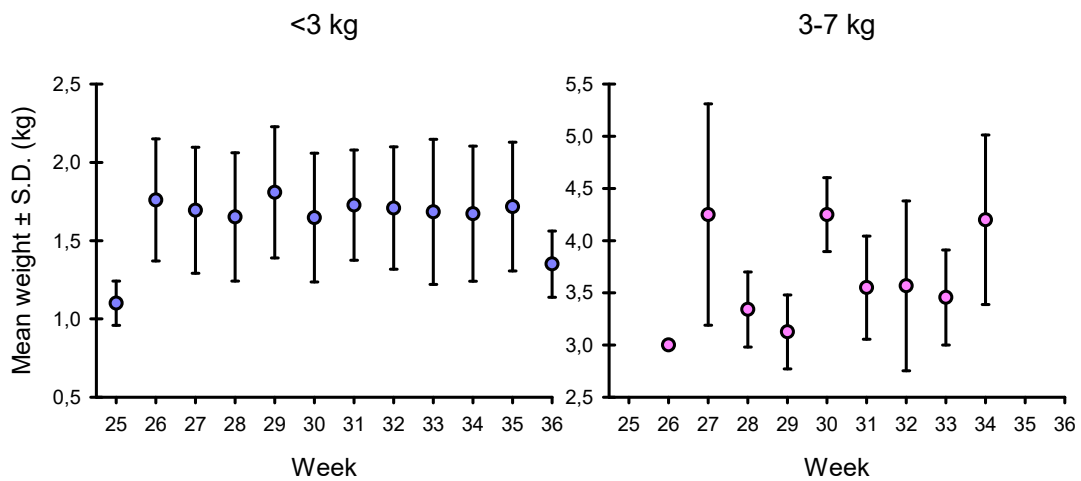


Figure 30. Weekly mean weights of salmon caught in the River Sandneselv. Weekly catch data from the years 2009-2020 is combined. Source: SSB

## 6. Salmon catches in the River Munkelv

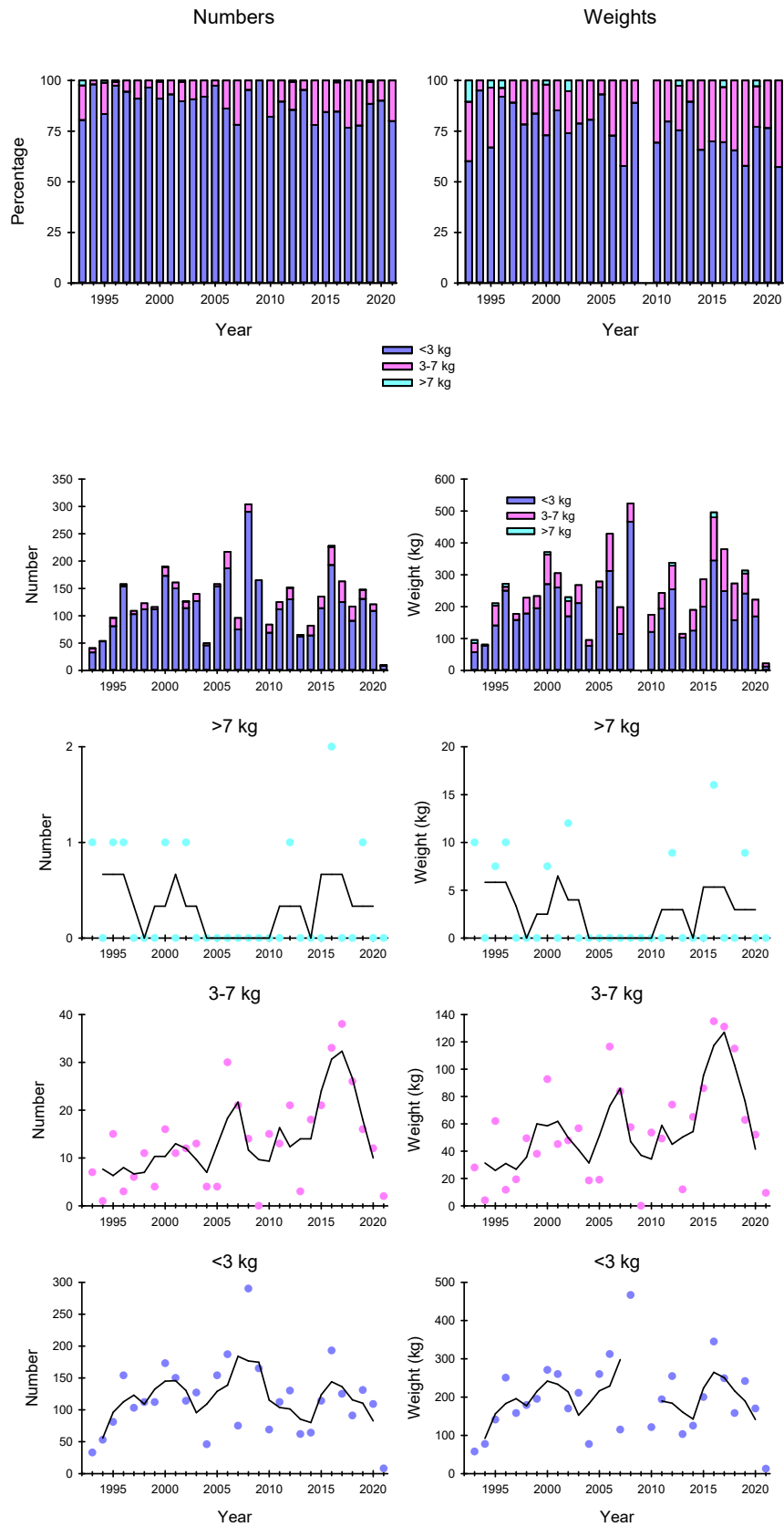


Figure 31. Salmon catches in numbers and weights in the three weight groups in the River Munkelv. Source: SSB

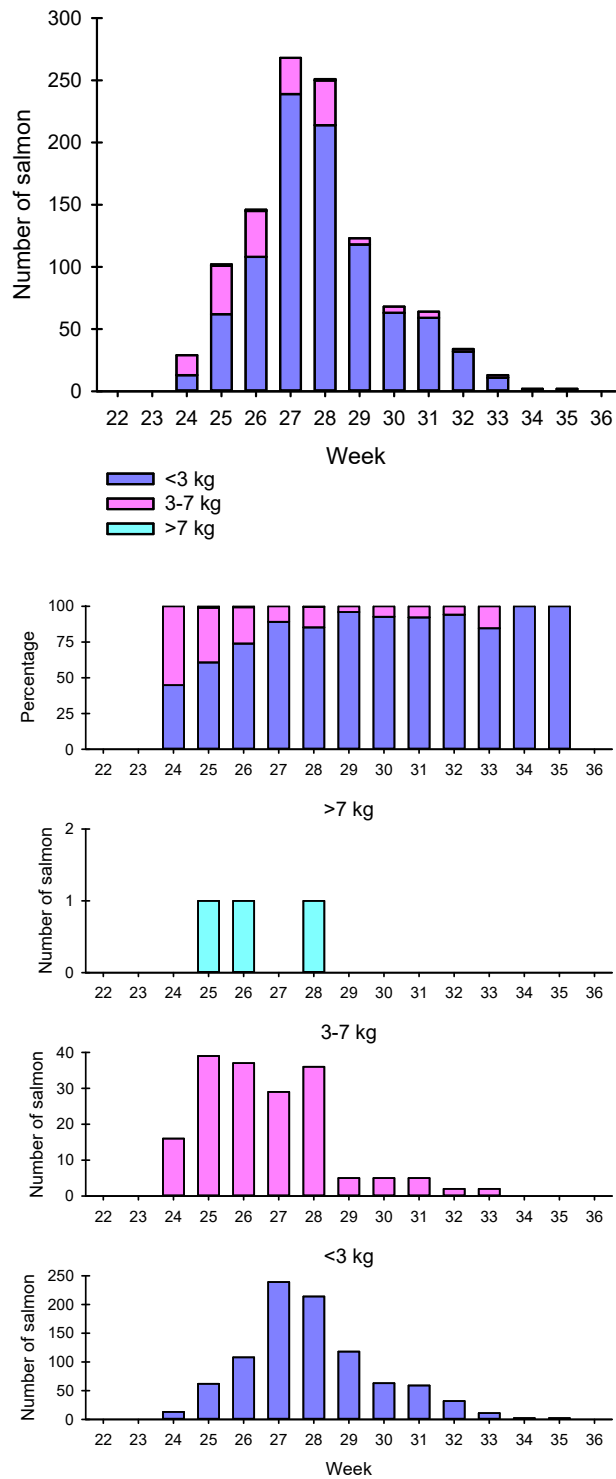


Figure 32. Weekly catch distributions in terms of numbers for the three weight groups of salmon in the River Munkelvy in the years 2013-2020. Source: SSB

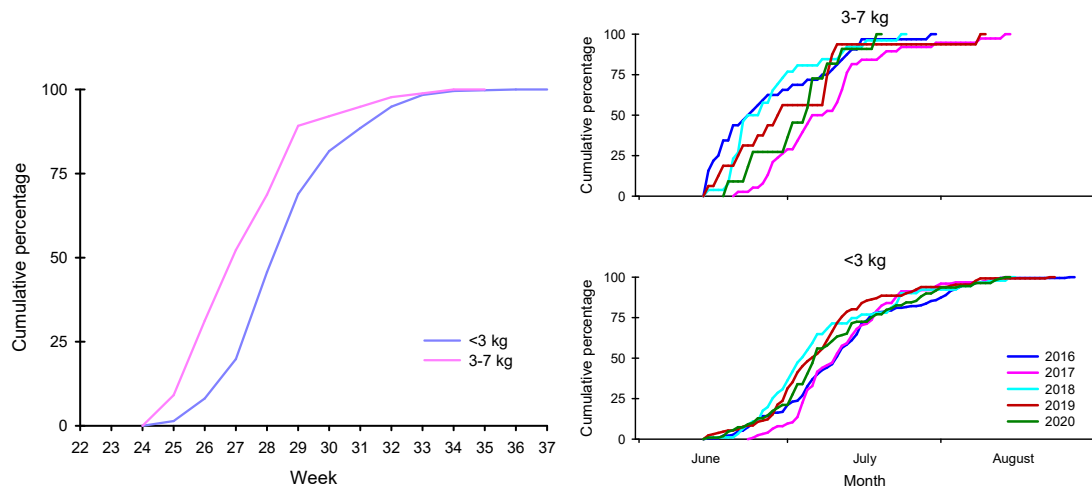


Figure 33. Cumulative catches (calculated from the weekly catches) for the weight groups small and medium salmon in the River Munkelvv in the years 2013-2020 (figure on the left) and annual cumulative catches (counted from daily catches) for the weight groups small and medium salmon (figure on the right). Source: SSB

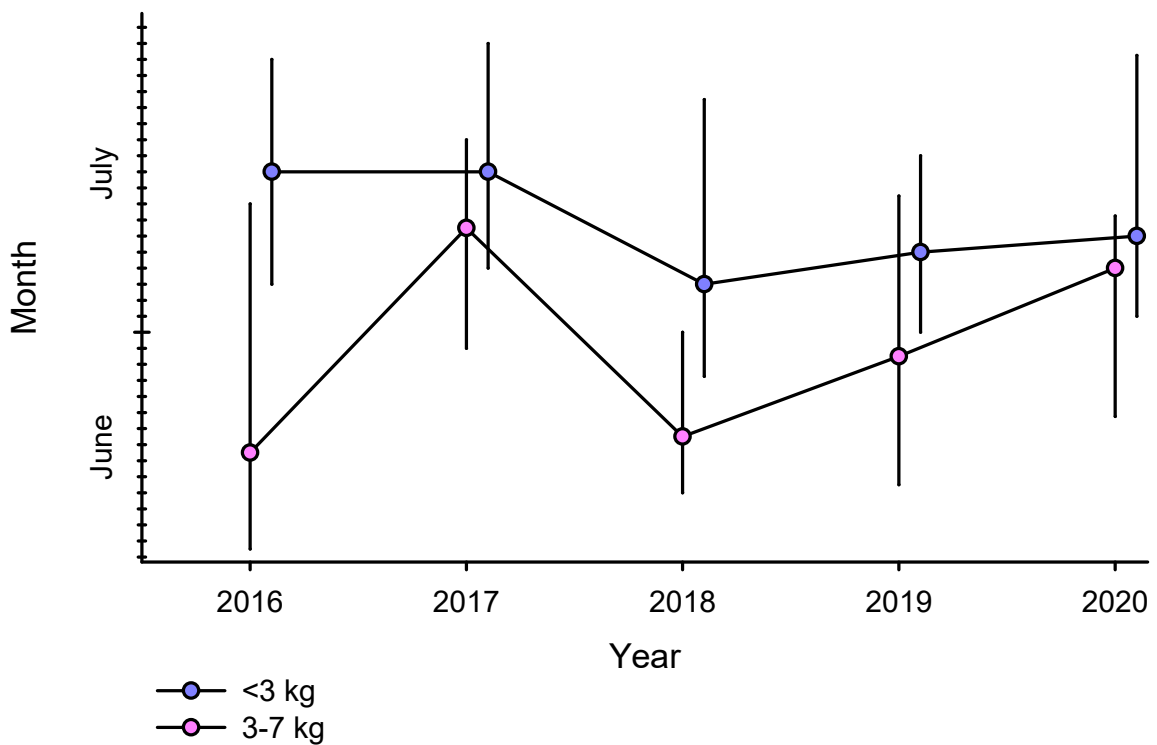


Figure 34. Median dates of capture with upper and lower quartiles for the weight groups small and medium salmon in the River Munkelvv. Calculated from the daily catches.

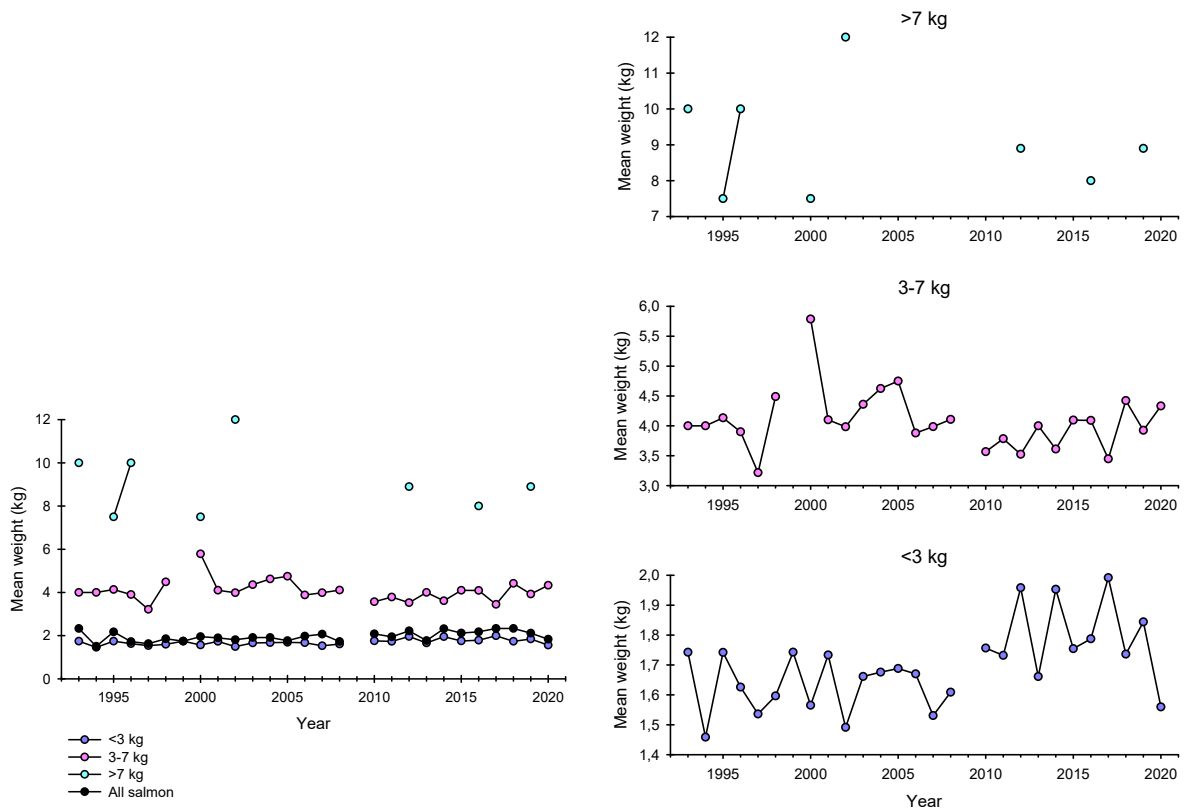


Figure 35. Annual mean weights of salmon for three size groups and for the total mean of all salmon (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right) in the River Munkelv. Source: SSB

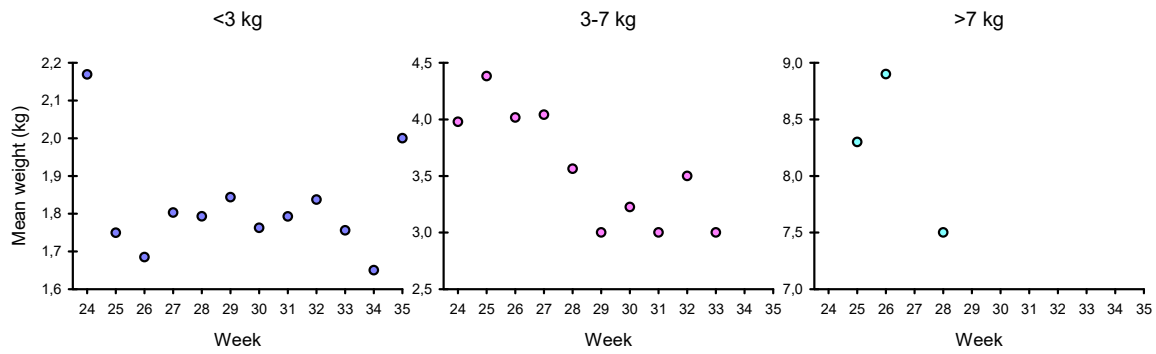


Figure 36. Weekly mean weights of salmon caught in the River Munkelv. Weekly catch data is combined in the years 2013-2020. Source: SSB



## 7. Salmon catches in the River Neidenelv

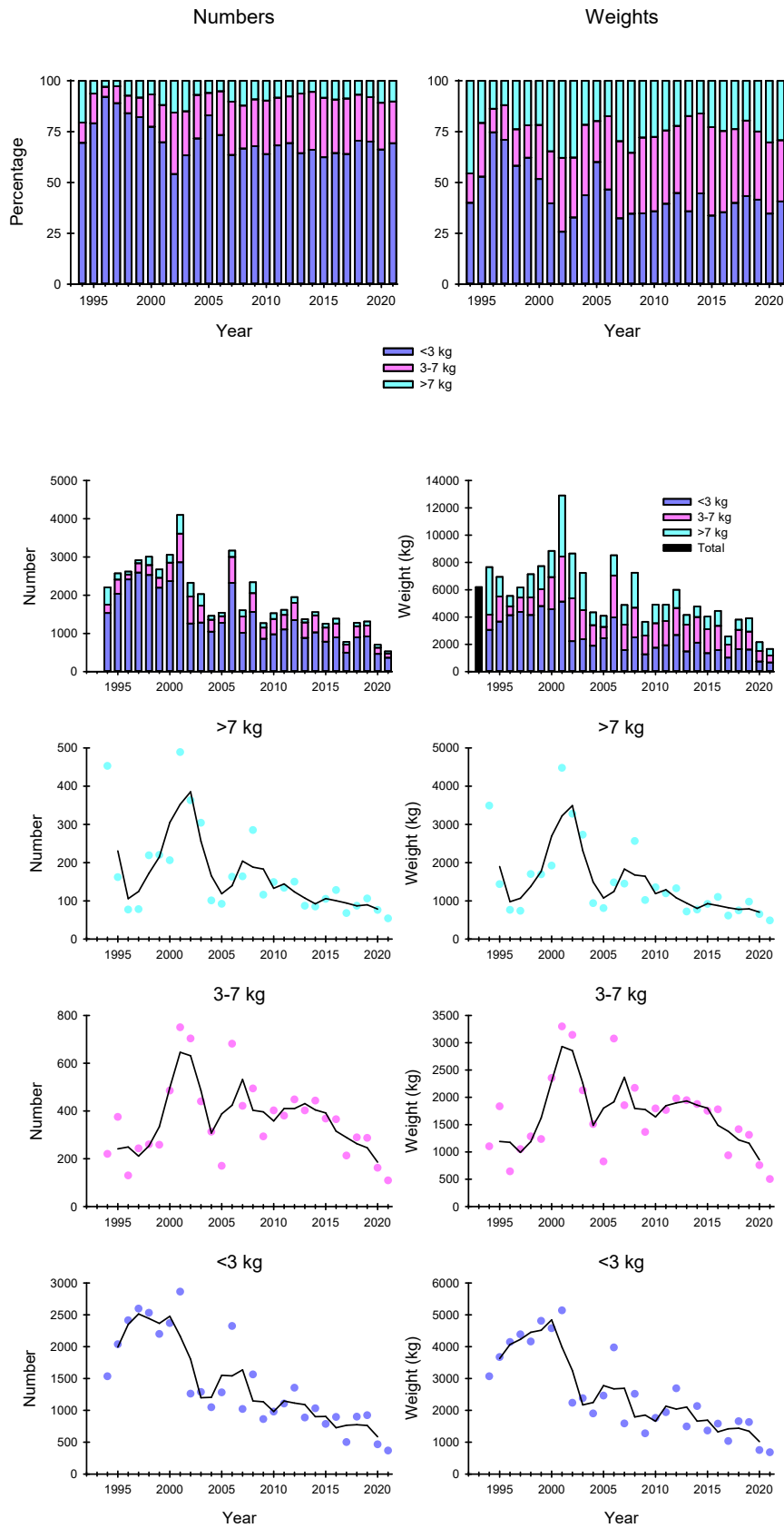


Figure 37. Salmon catches in numbers and weights in three weight groups in the River Neidenelv in Norway. Source: SSB

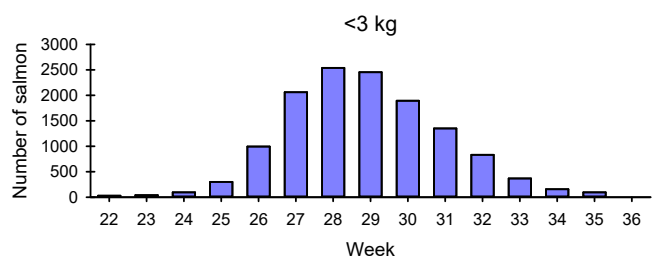
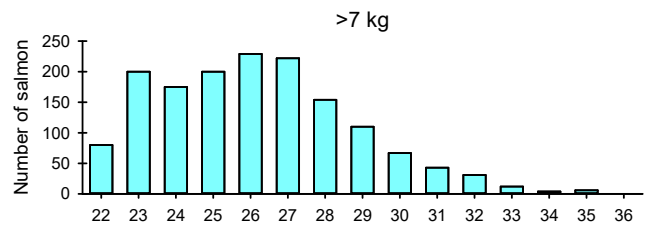
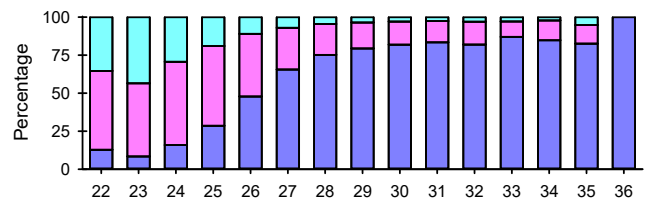
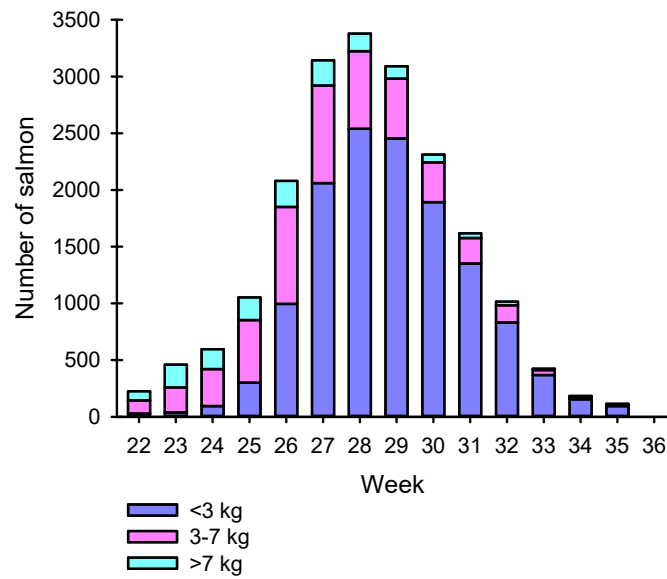


Figure 38. Weekly rod fishing catch distributions in terms of numbers for three weight groups of salmon in the River Neidenelv in Norway in the years 2007-2020. Source: SSB

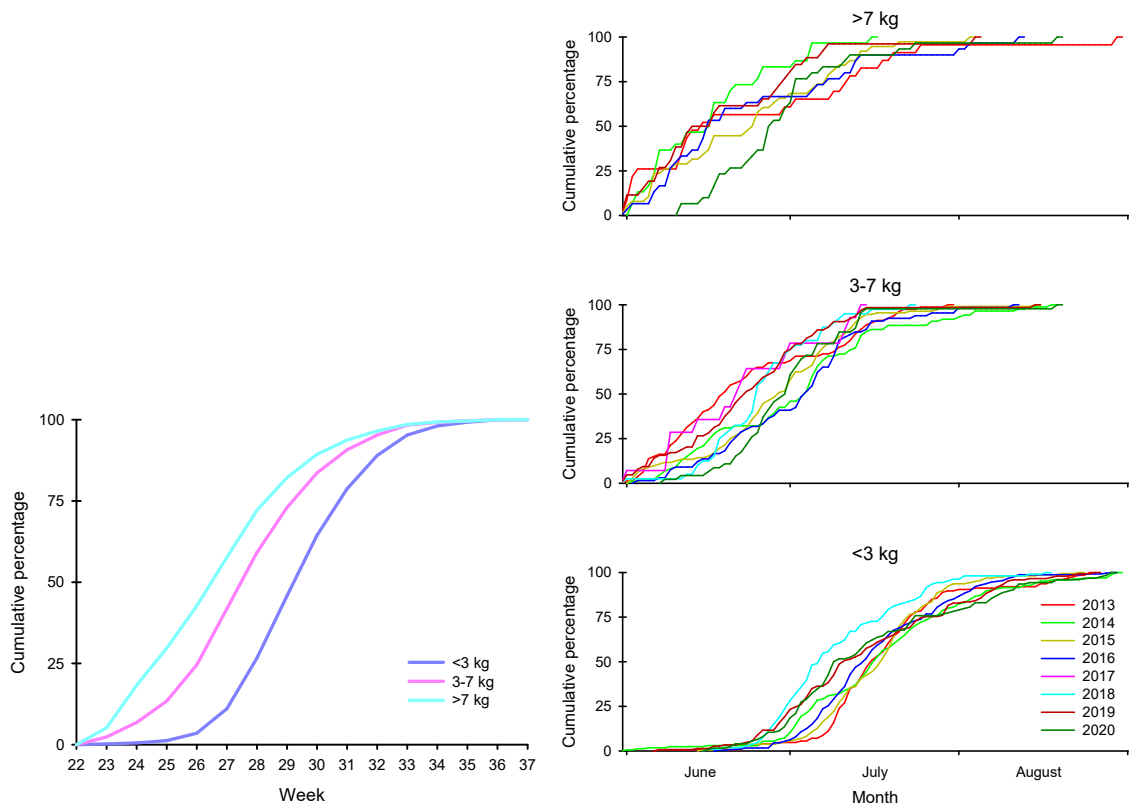


Figure 39. Cumulative rod fishing catches (counted from the weekly catches) for three weight groups of salmon in the River Neidenelv in the years 2007-2020 (figure on the left) and annual cumulative rod fishing catches for three weight groups of salmon (figure on the right) (calculated from the daily catch reports). Source: SSB

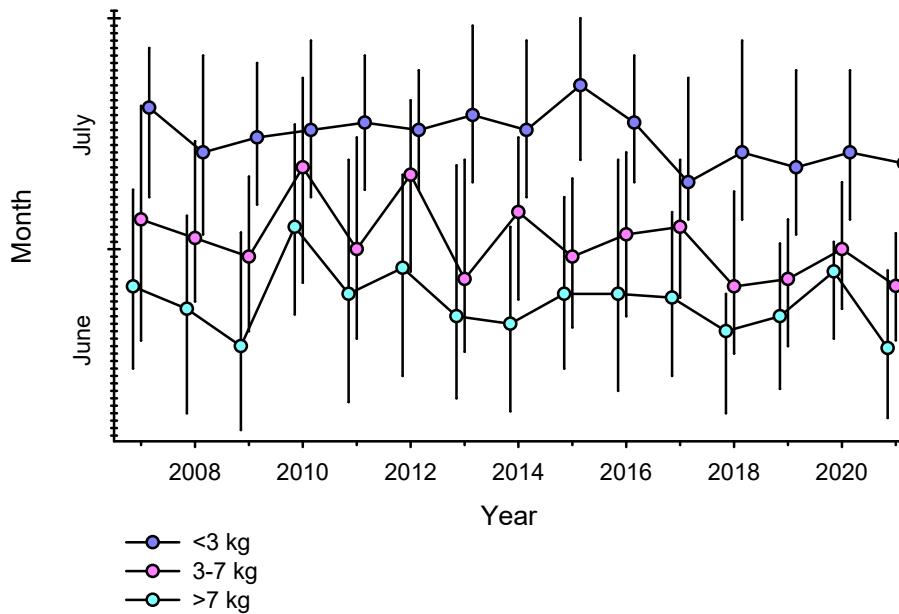


Figure 40. Median dates of capture (calculated from the daily catches) in rod fishing with upper and lower quartiles for three weight groups of salmon in the River Neidenelv Source: SSB, Neiden fiskellesskap

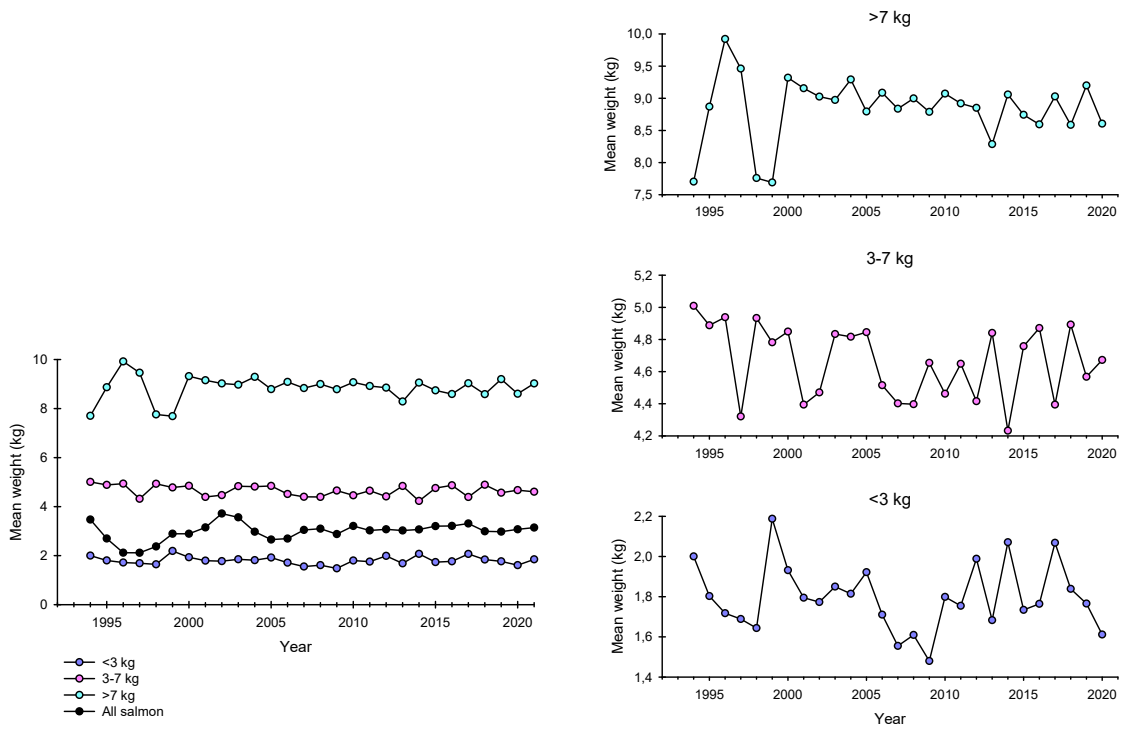


Figure 41. Annual mean weights of salmon for three size groups and for the total mean of all salmon (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right) in the River Neidenelv. Source: SSB

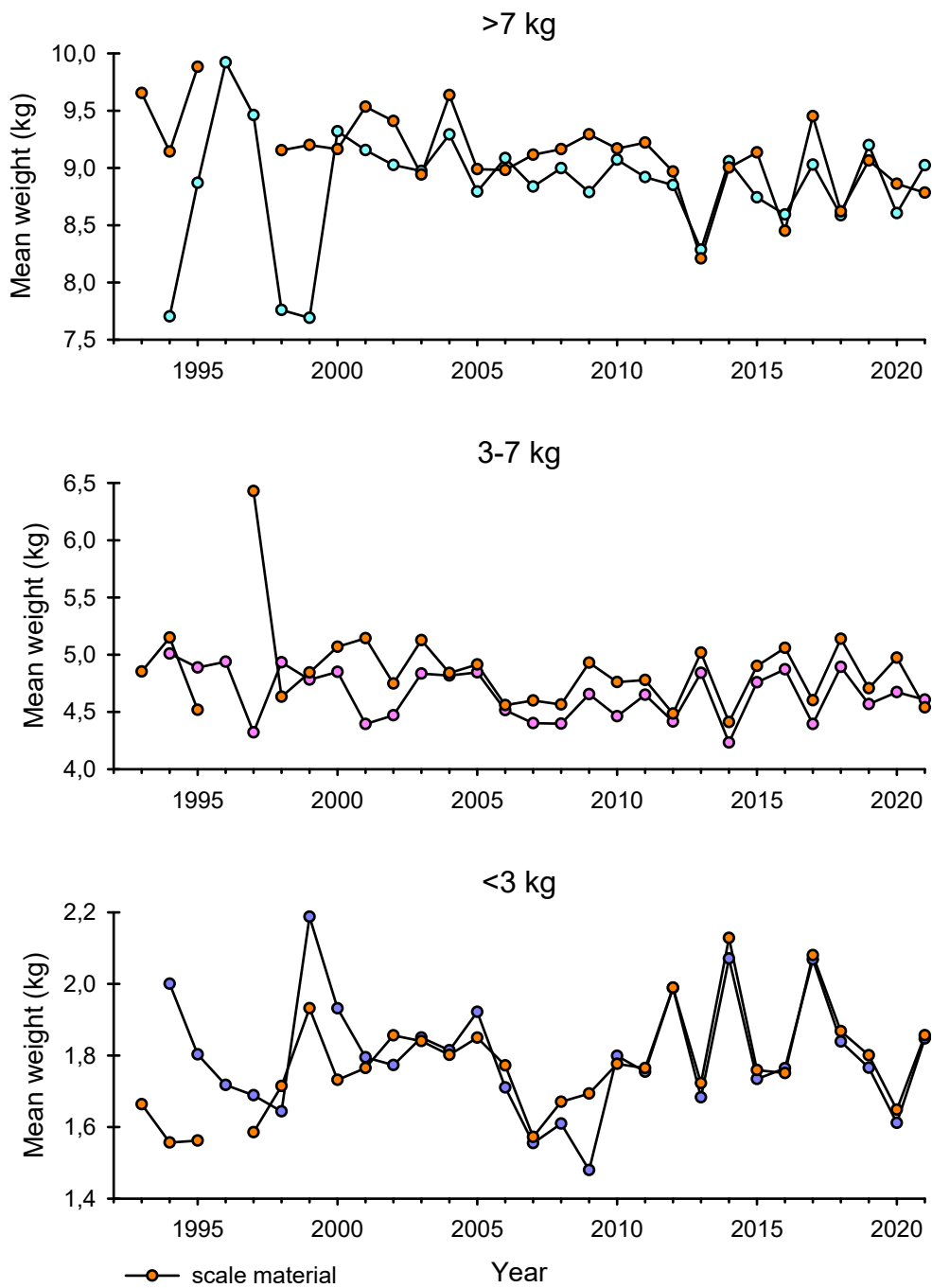


Figure 42. Detailed annual mean weights for three size groups for salmon (data based on salmon scale material =red color; data based on catch reporting = other colors) in the River Neidenelv. Source: SSB, Neiden fiskerfelleskap

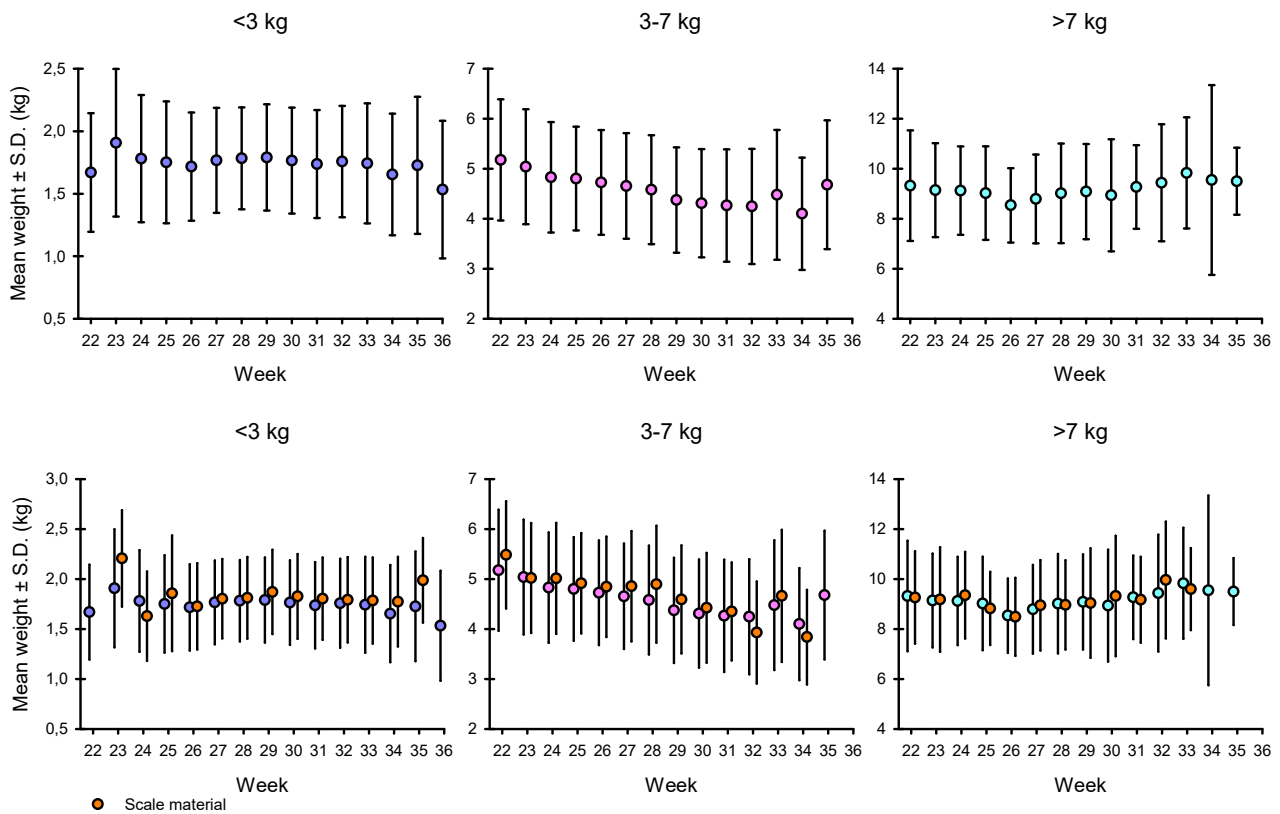


Figure 43. Weekly mean weights of salmon caught in the River Neidenelv. Weekly catch data is combined in the years 2007-2020. Figure above indicates catch reporting data. Figure below indicates salmon scale envelope data (red color) and catch reporting data (other colors). Source: SSB, Neiden fiskefelleskap

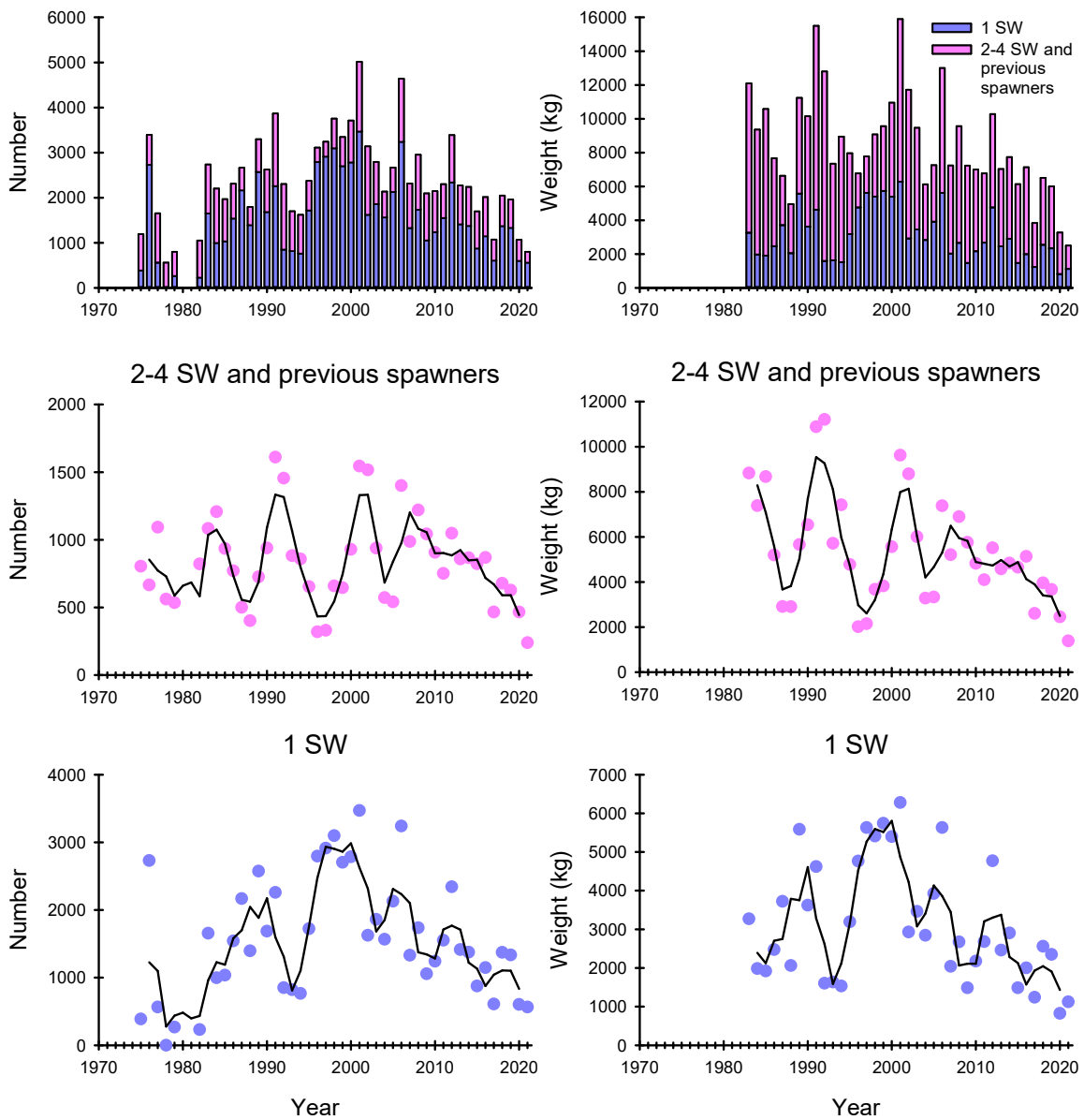


Figure 44. Total salmon catches (numbers and weights) in the River Neidenelv watershed (Norway and Finland combined) separated between sea-ages 1SW and 2-4SW/previous spawners. Source: SSB, Luke

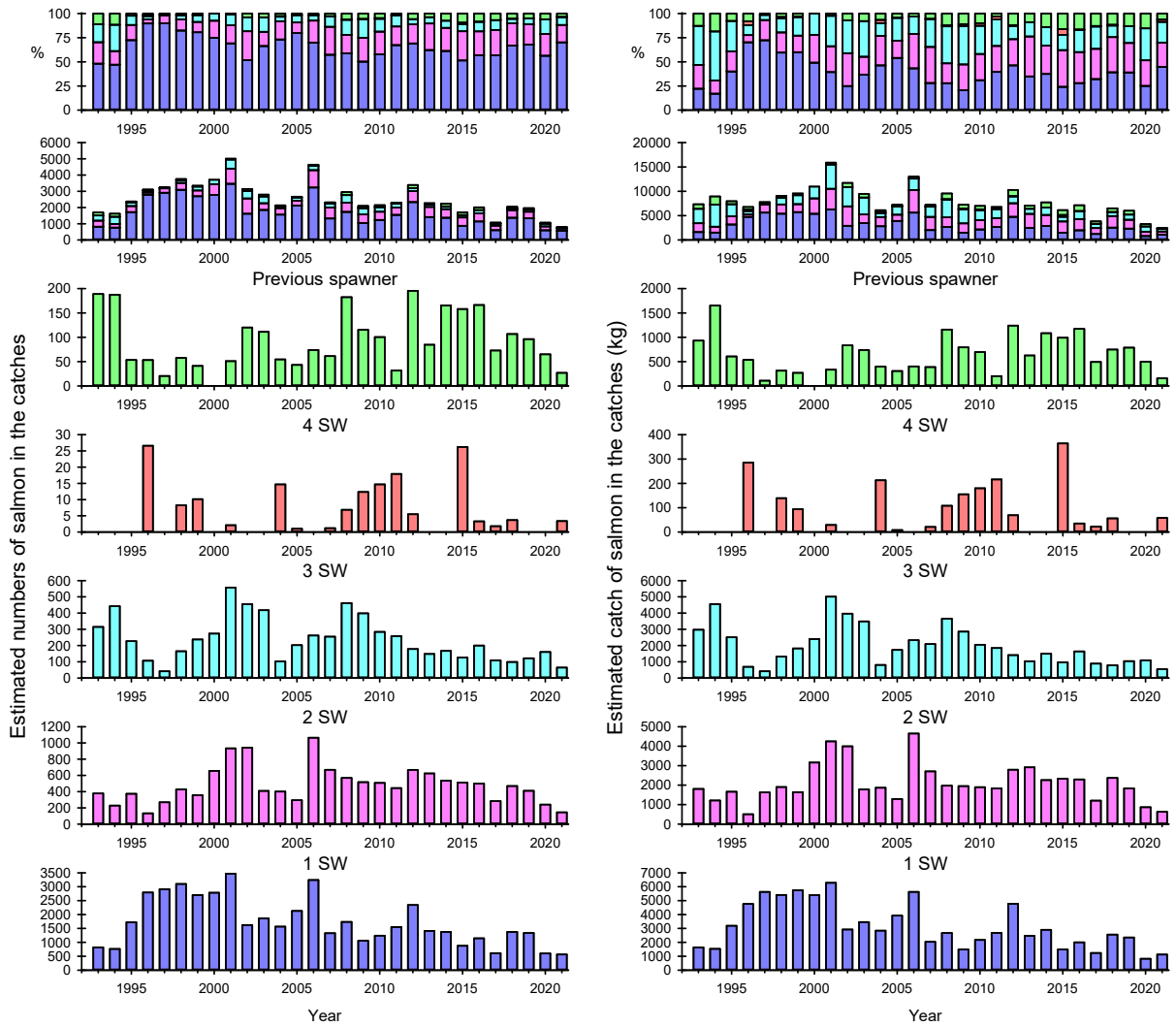


Figure 45. Numbers, weights and proportions of 1SW-4SW salmon and previous spawners in the catches in the River Neidenelv watershed (Norway and Finland combined). Source: SSB, Luke



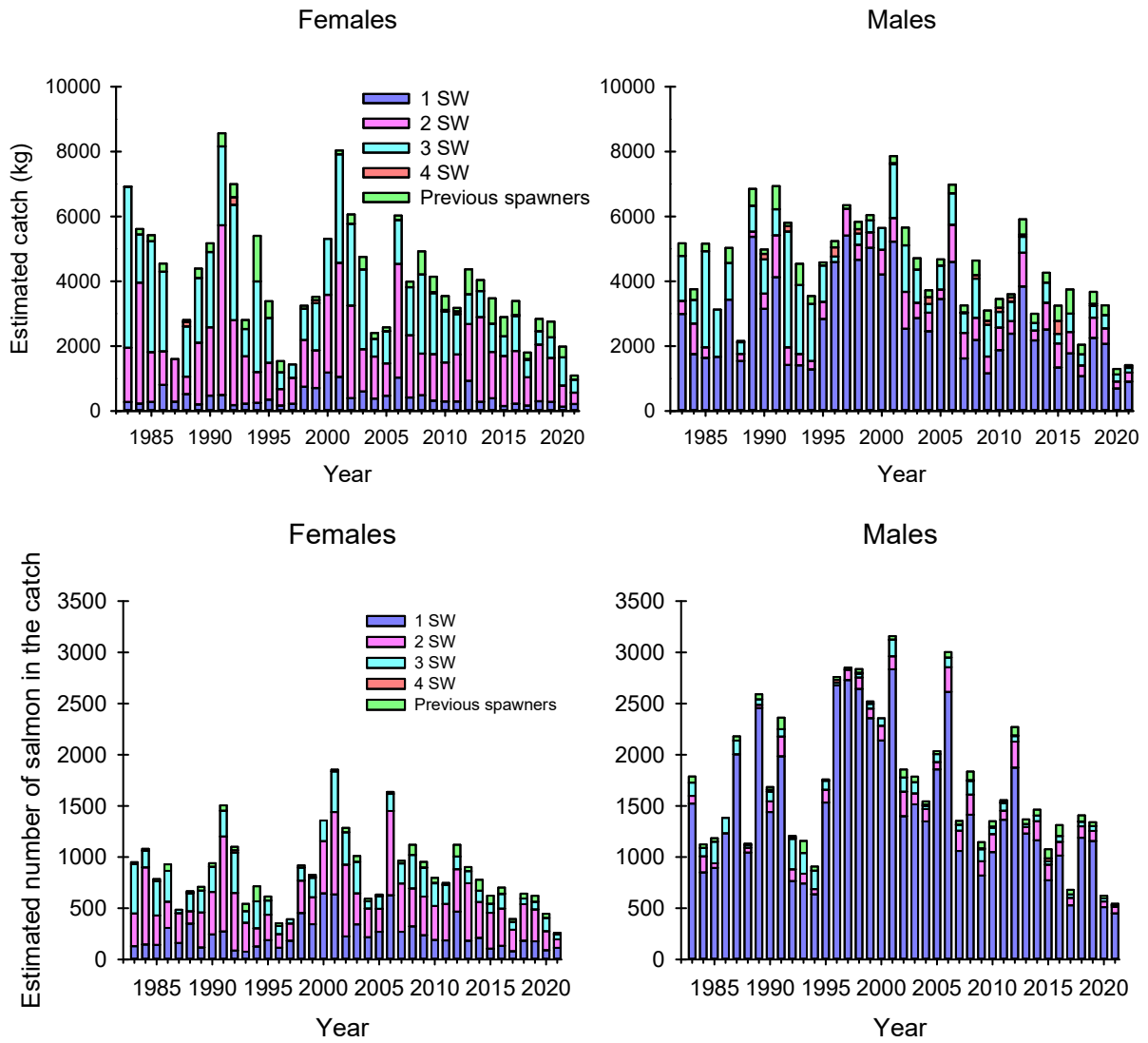


Figure 46. Total 1SW-4SW salmon and previous spawned female and male salmon catches in numbers (figure below) and in weights (figure above) in the River Neidenelv watershed (Norway and Finland combined). Source: SSB, Luke

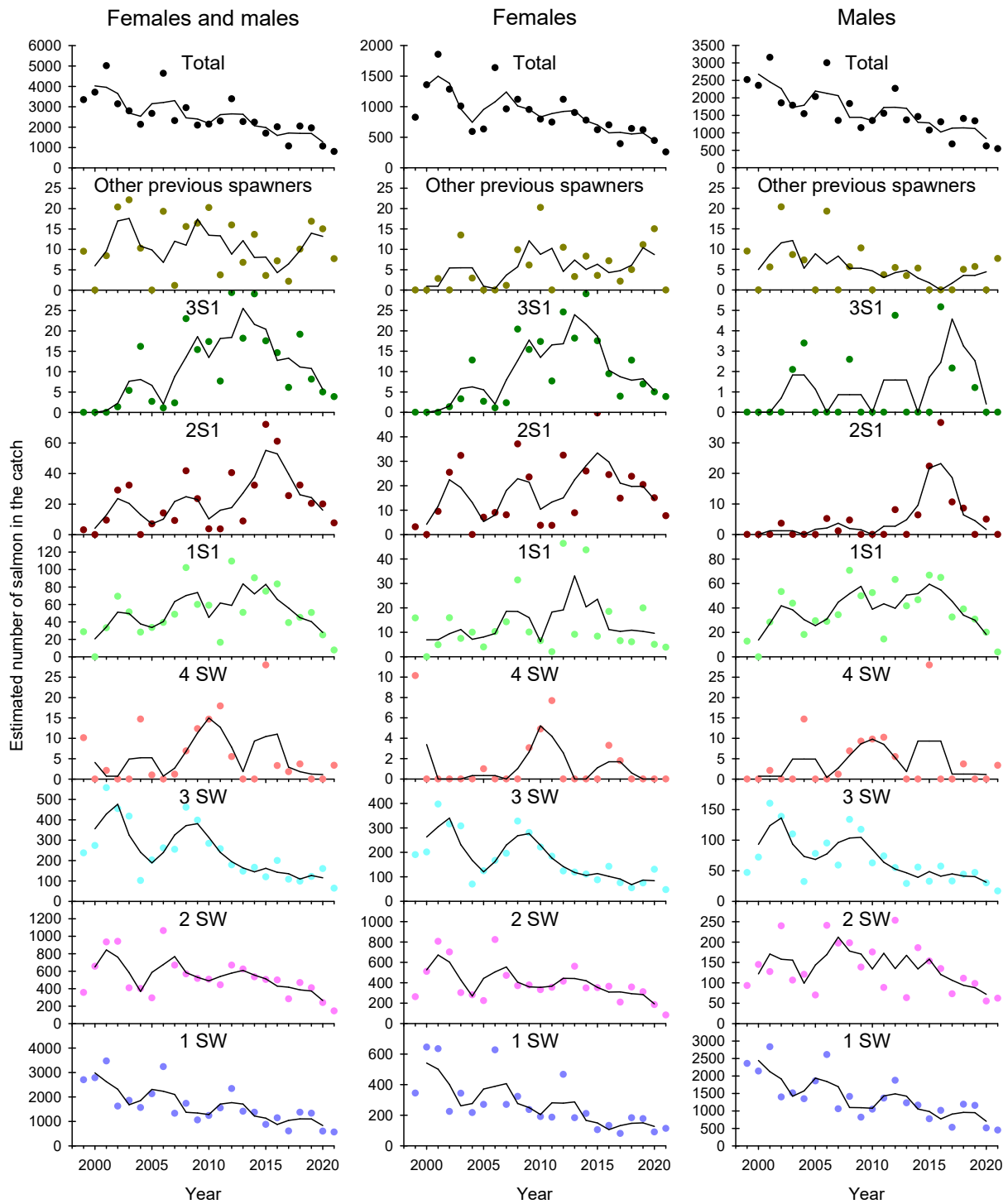


Figure 47. Estimated numbers of 1SW-4SW salmon and previous spawners (1S1, 2S1, 3S1 and other groups) for females, males and sexes combined in the catches in the River Neidenelv watershed (Norway and Finland combined). Source: SSB, Luke

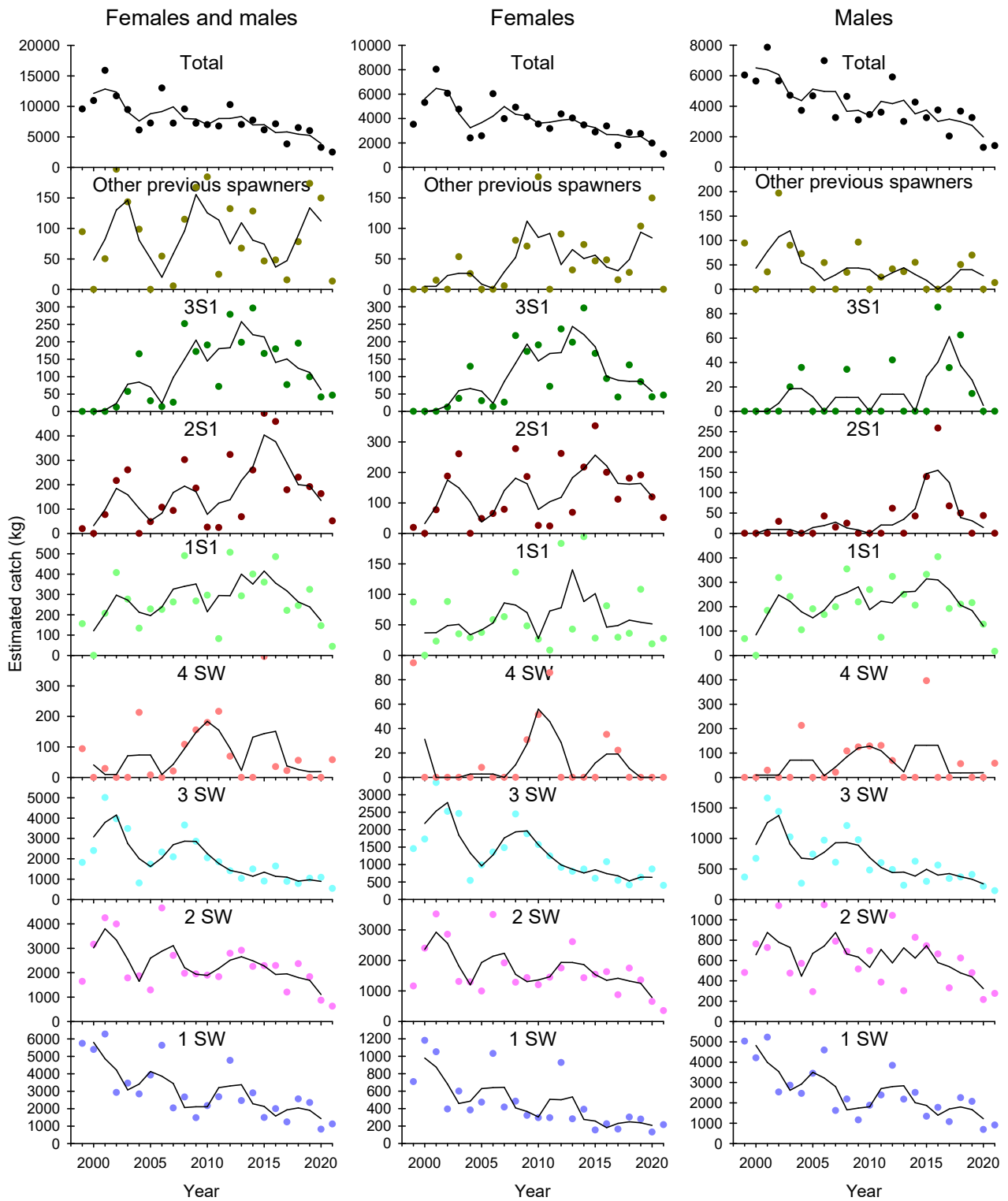


Figure 48. Estimated weights of 1SW-4SW salmon and previous spawners (1S1, 2S1, 3S1 and other groups) for females, males and sexes combined in the catches in the River Neidenelv watershed (Norway and Finland combined). Source: SSB, Luke

## 8. Salmon catches in the River Klokkerelv

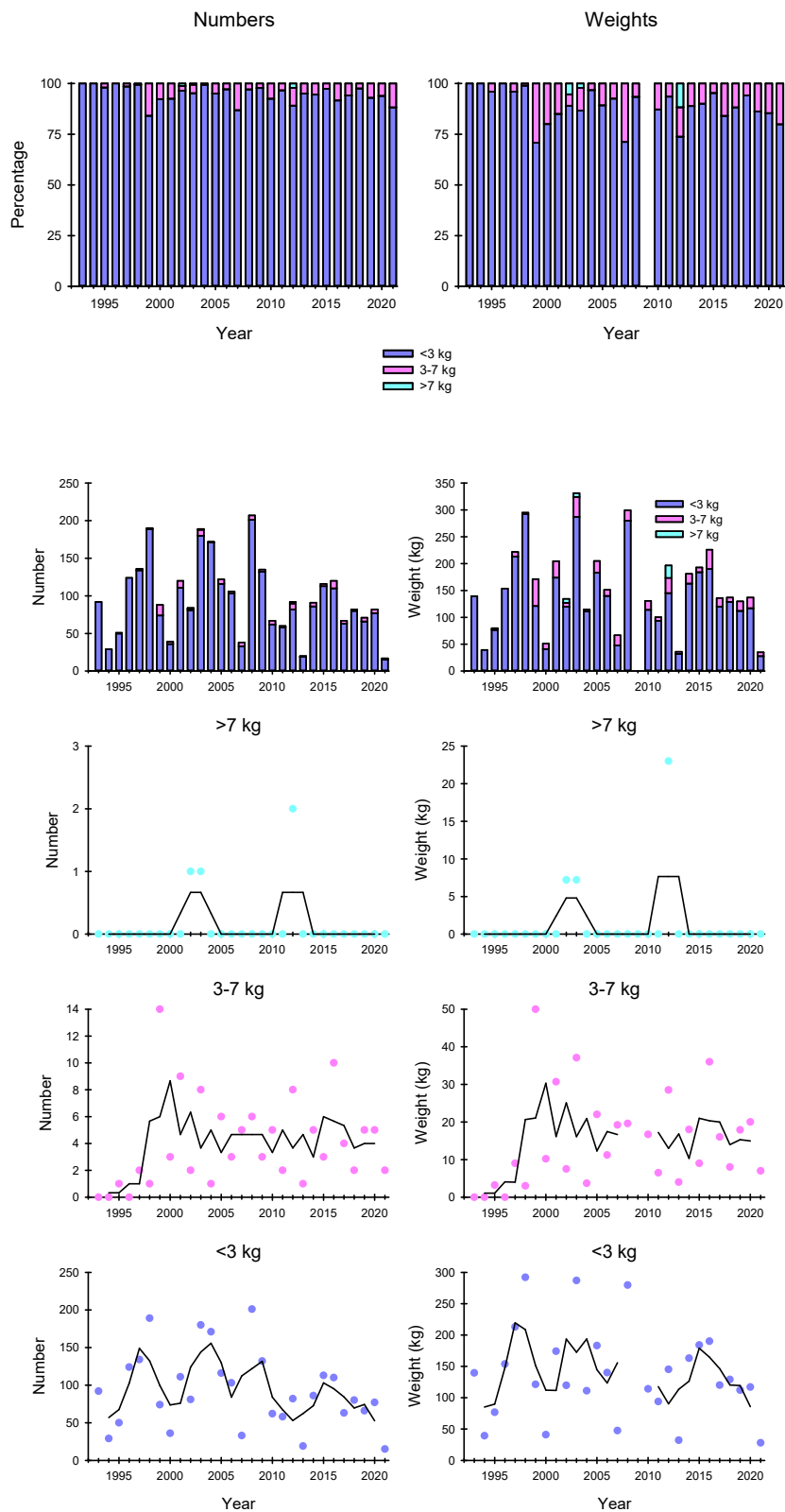


Figure 49. Salmon catches in numbers and weights in three weight groups in the River Klokkerelv. Source: SSB

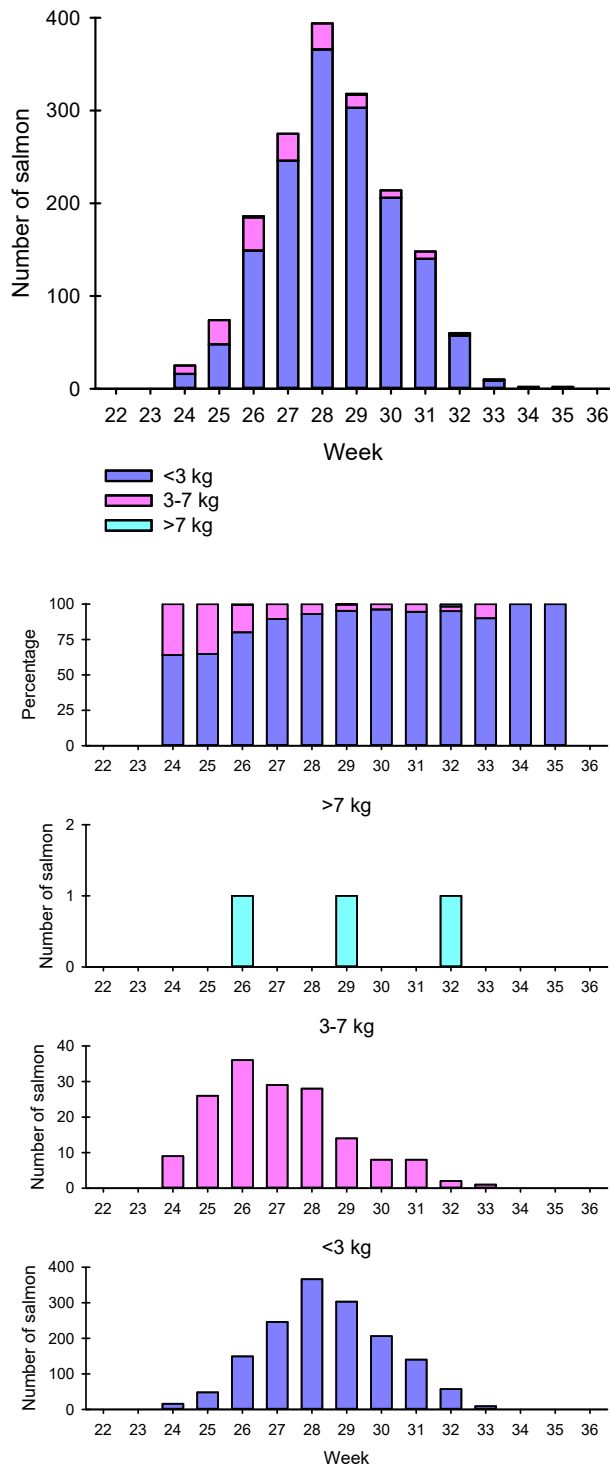


Figure 50. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Klokkerelv in the years 2010-2020. Source: SSB

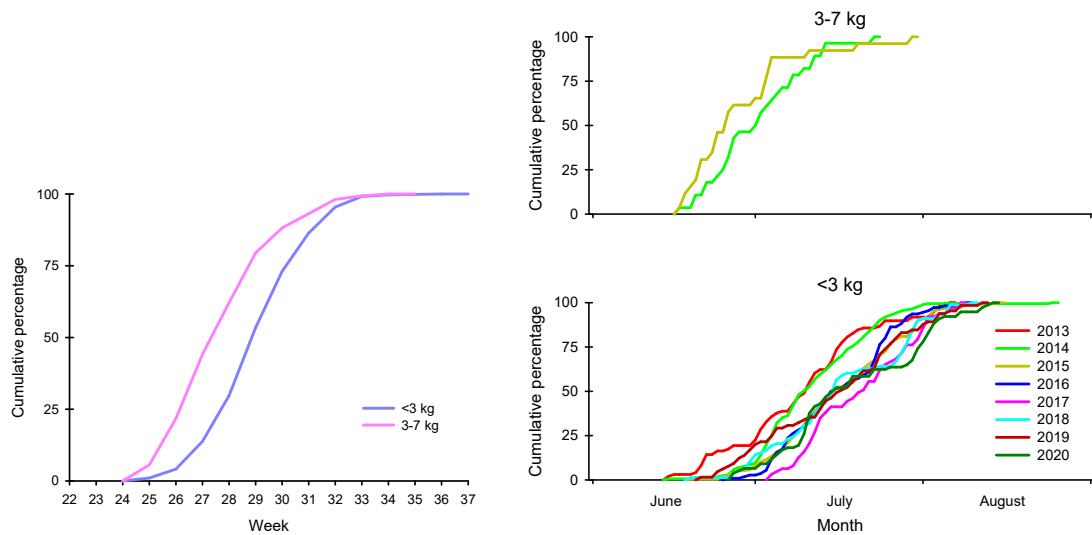


Figure 51. Cumulative catches (calculated from the weekly catches) for two weight groups of salmon in the River Klokkerelv years 2010-2020 combined (figure on the left) and annual cumulative catches for two weight groups of salmon (figure on the right) (calculated from the daily catches). Source: SSB

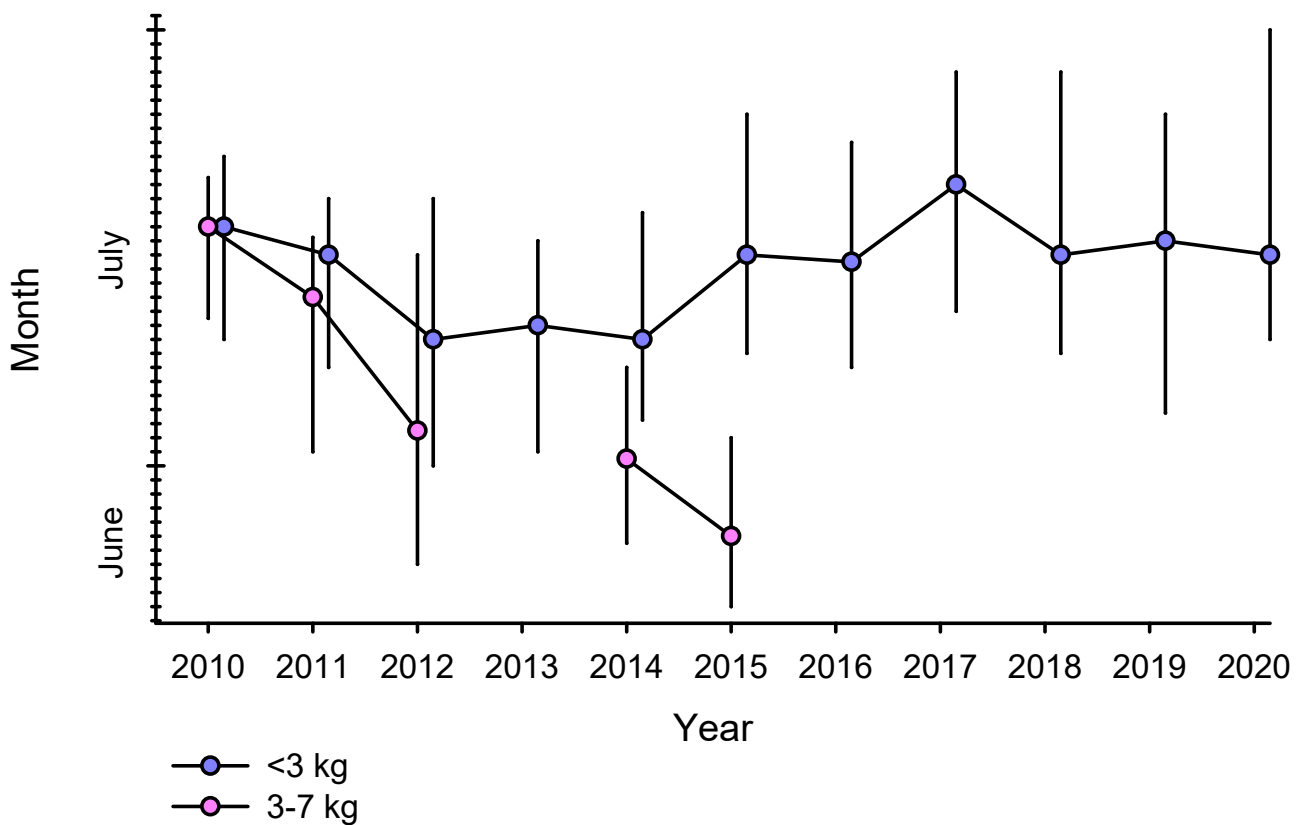


Figure 52. Median date of capture with upper and lower quartiles for salmon below 3 kg and between 3-7 kg in the River Klokkerelv (calculated from the daily catches).

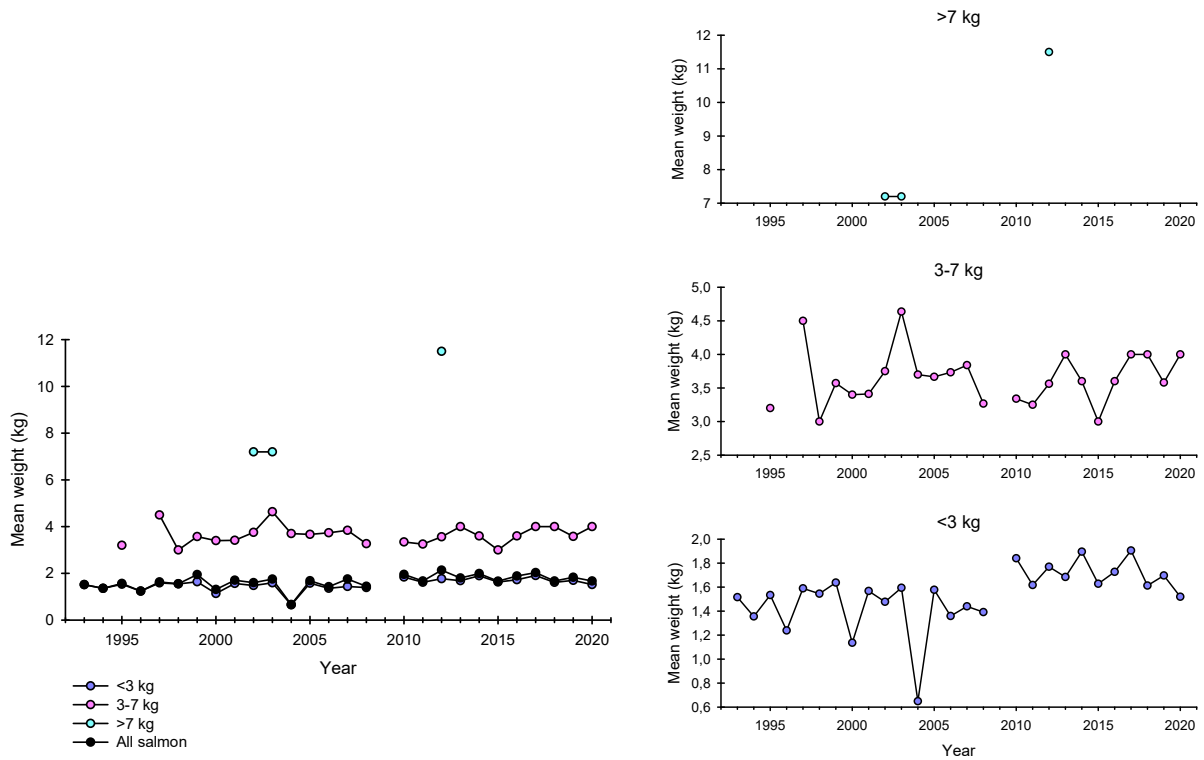


Figure 53. Annual mean weights of salmon for three size groups and for the total mean of all salmon (figure on the left) in the River Klokkerelv and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

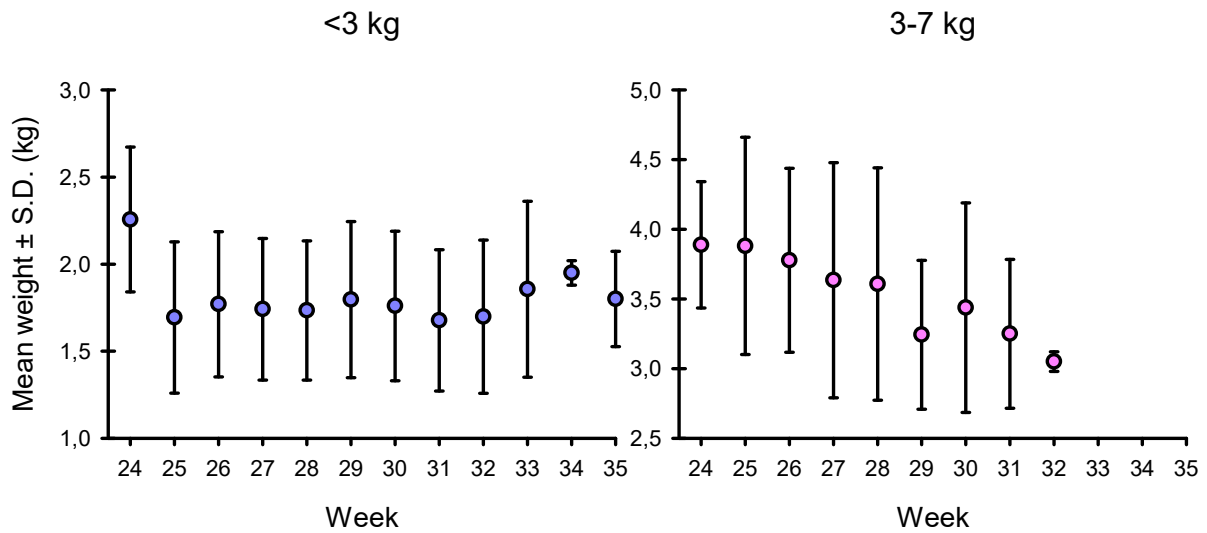


Figure 54. Weekly mean weights of salmon caught in the River Klokkerelv. Weekly catch data is combined in the years 2010-2020. Source: SSB

## 9. Salmon catches in the River Vesterelv

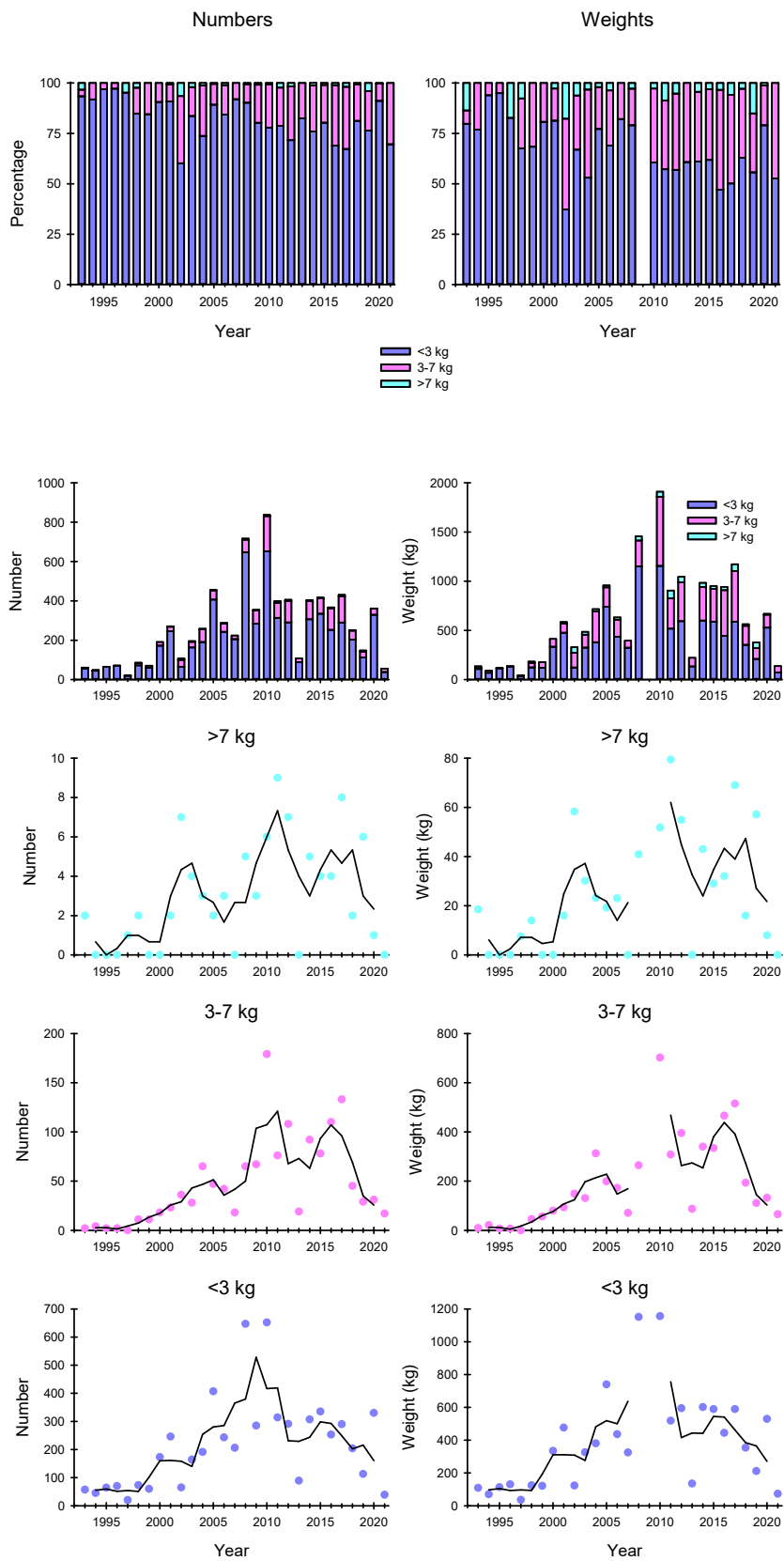


Figure 55. Salmon catches in numbers and weights in three weight groups in the River Vesterelv. Source: SSB



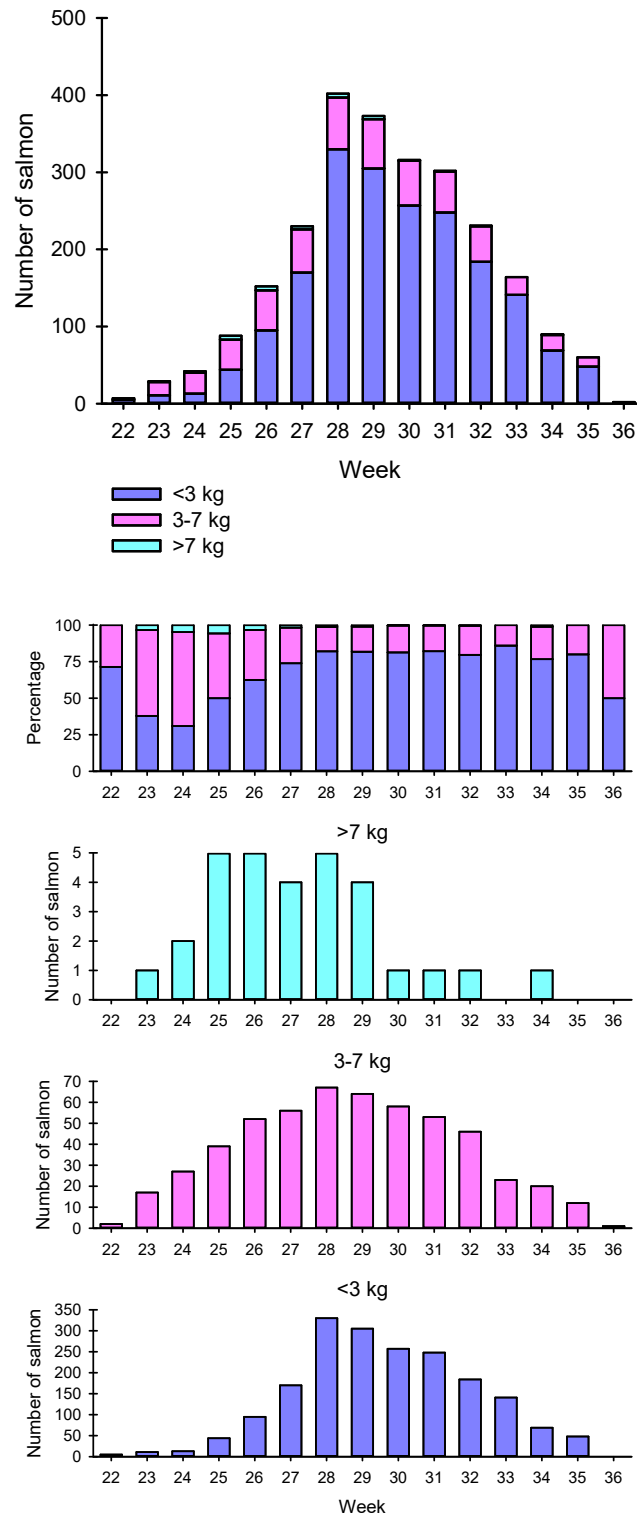


Figure 56. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Vesterelv in the years 2013-2020. Source: SSB

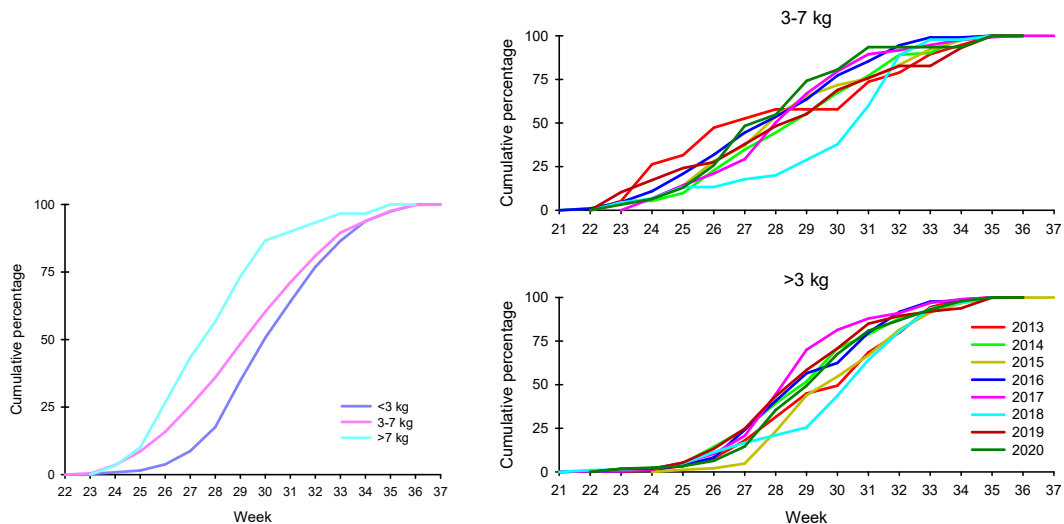


Figure 57. Cumulative catches for three weight groups of salmon in the River Vesterelv in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for two weight groups (figure on the right) (calculated from the weekly catches). Source: SSB

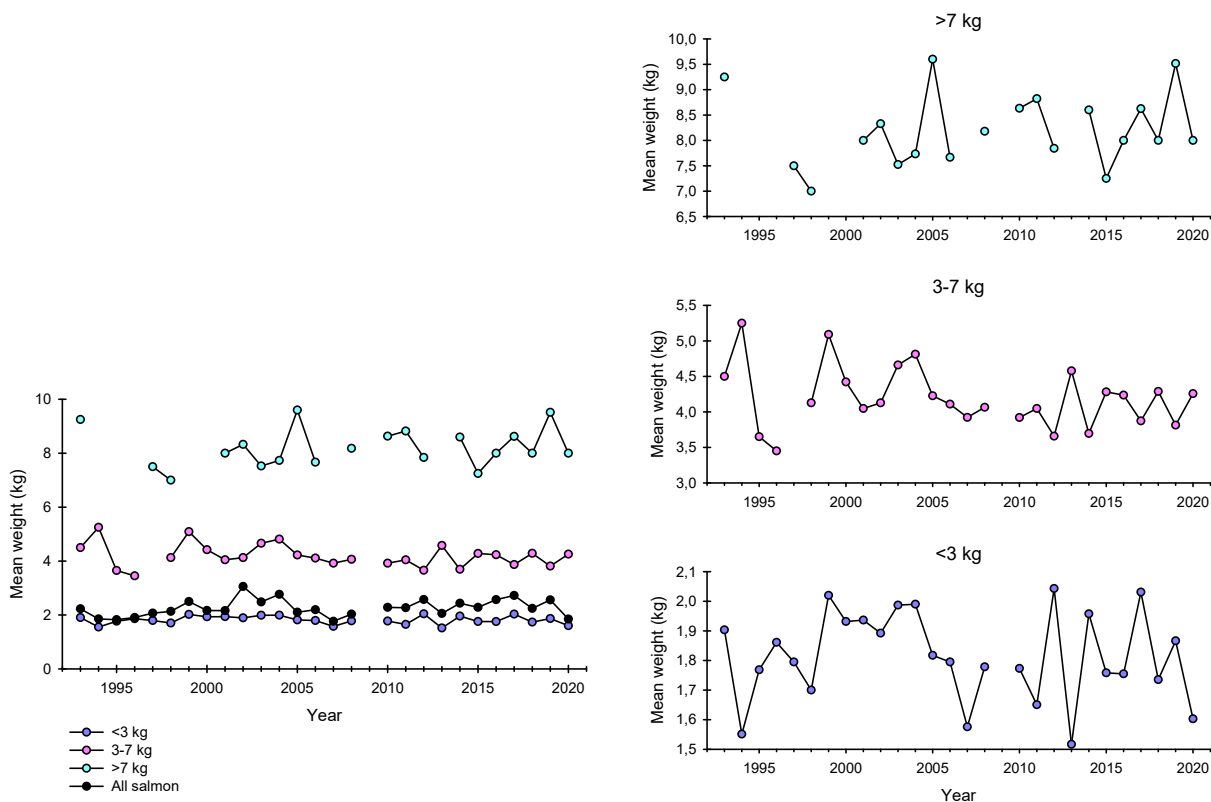


Figure 58. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Vesterelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

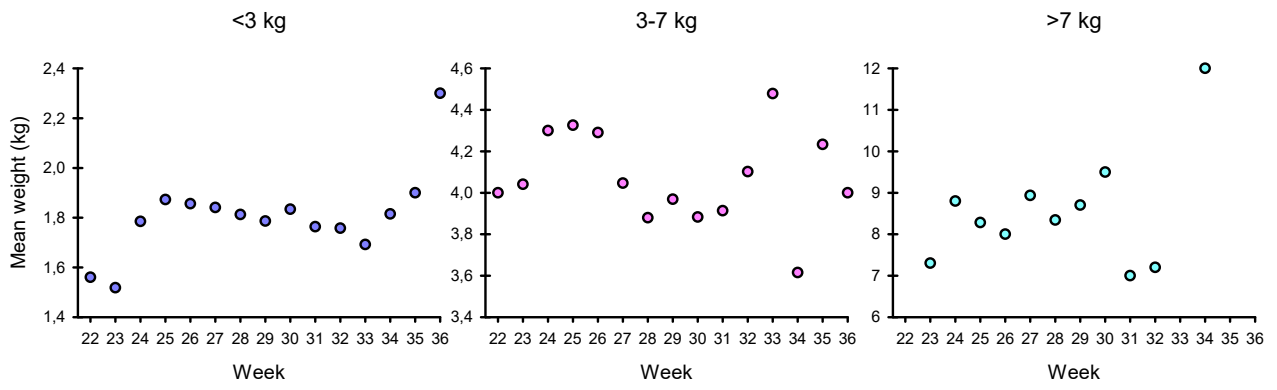


Figure 59. Weekly mean weights of salmon caught in the River Vesterelv. Weekly catch data is combined in the years 2013-2020.

# 10. Salmon catches in the River Bergebyelv

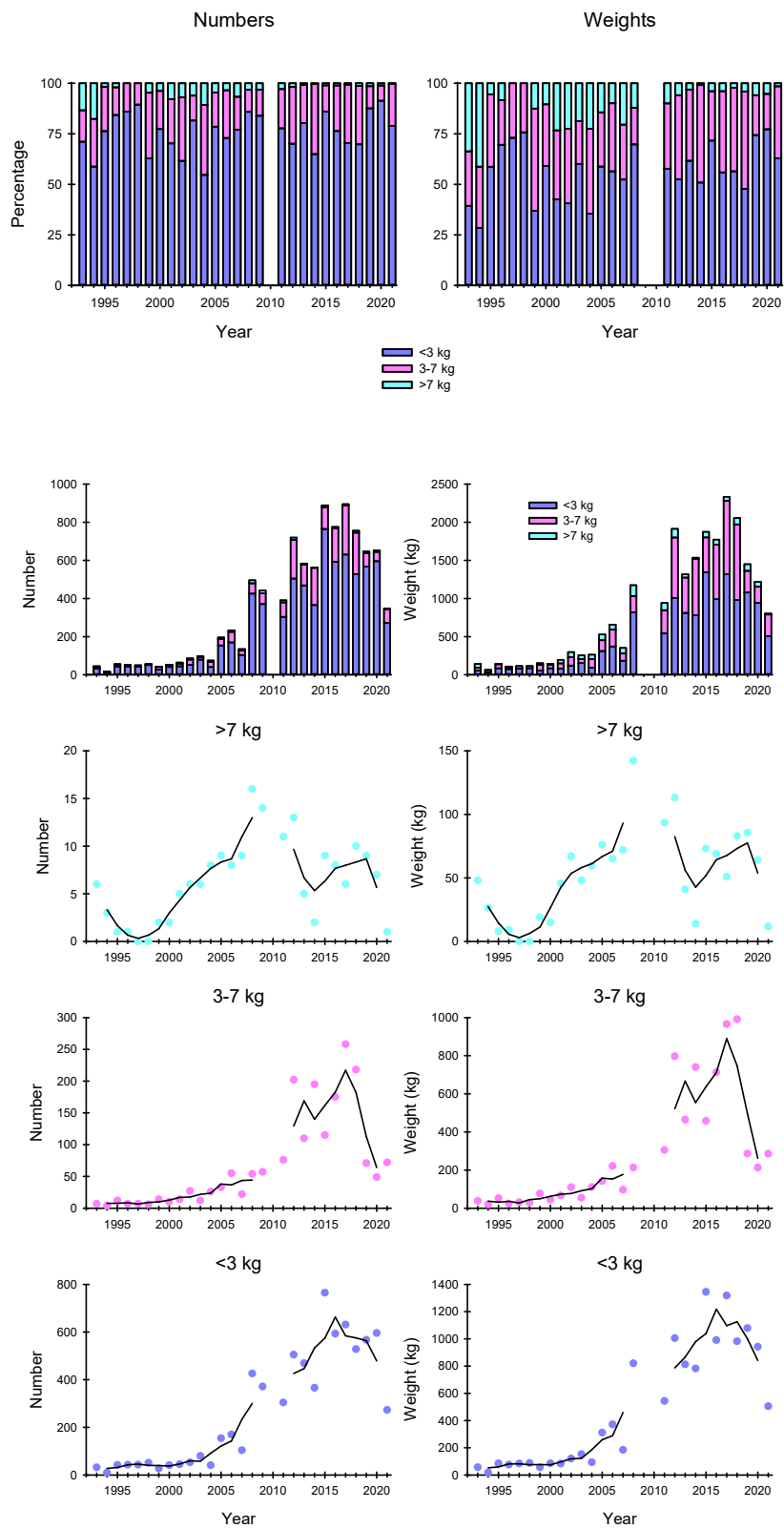


Figure 60. Salmon catches in numbers and weights in three weight groups in the River Bergebyelv. Source: SSB

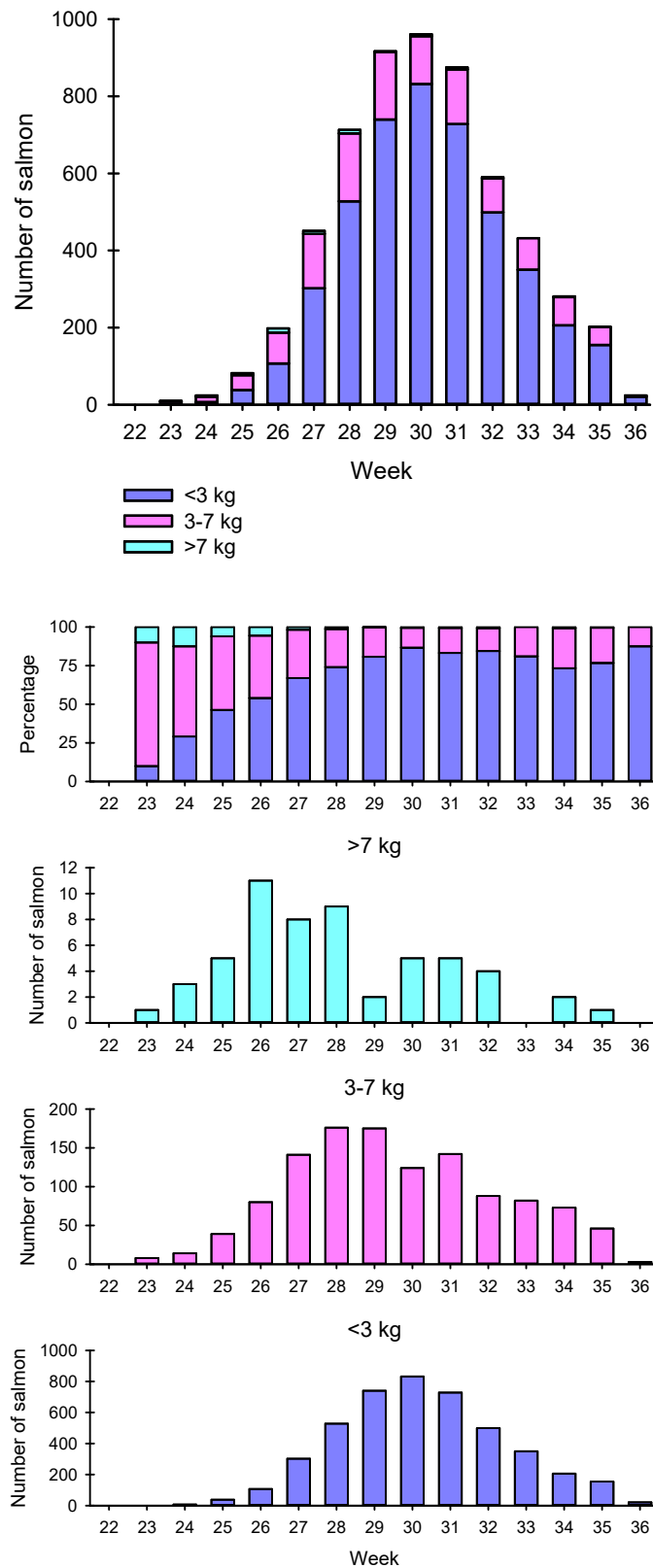


Figure 61 Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Bergebyelv (in the years 1996, 1998-2004, 2013-2020). Source: SSB

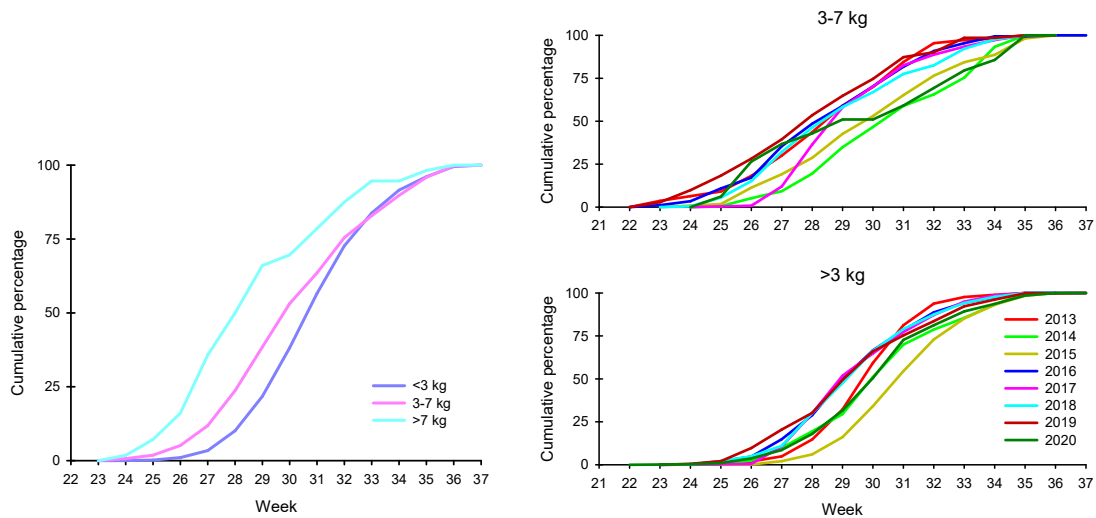


Figure 62. Cumulative catches for three weight groups of salmon in the River Bergebyelv (figure on the left) (years 1996, 1998-2004, 2013-2020 combined) (calculated from the weekly catches) and annual cumulative catches for the two weight groups >3 kg and 3-7 kg (calculated from the weekly catches). Source: SSB

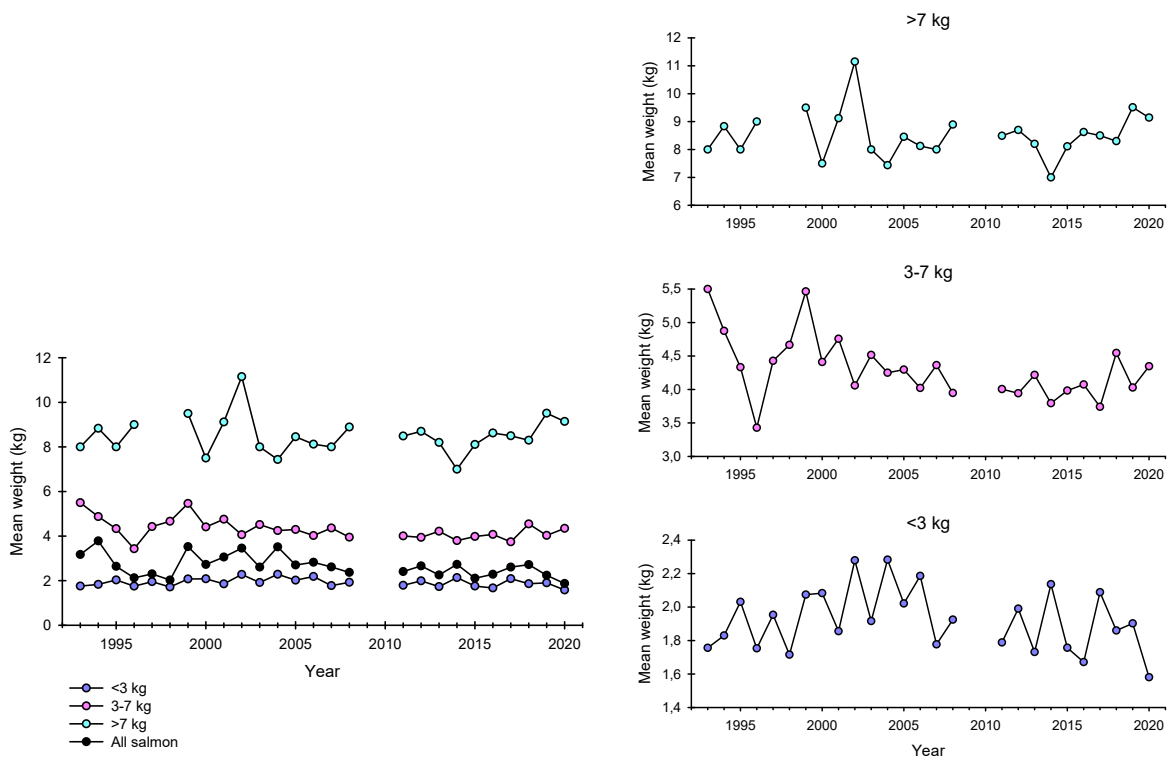


Figure 63. Mean annual weights of salmon for three size groups and for the total mean of all salmon in the River Bergebyelv (figure on the left) and annual mean weights for small, medium and large sized salmon. Source: SSB

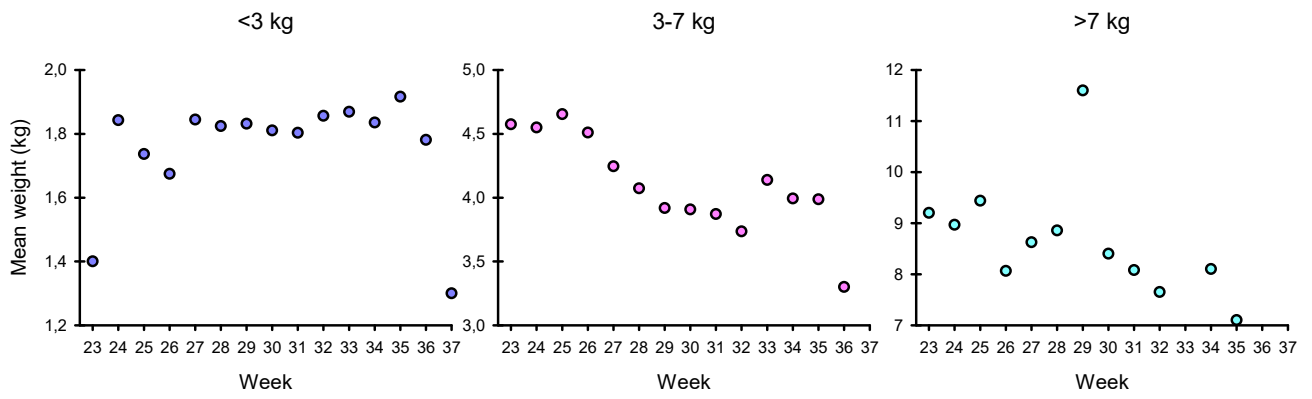


Figure 64. Mean weekly weights of salmon caught in the River Bergebyelv. Weekly catch data is combined in the years 2013-2020. Source: SSB

# 11. Salmon catches in the River Vestre Jakobselv

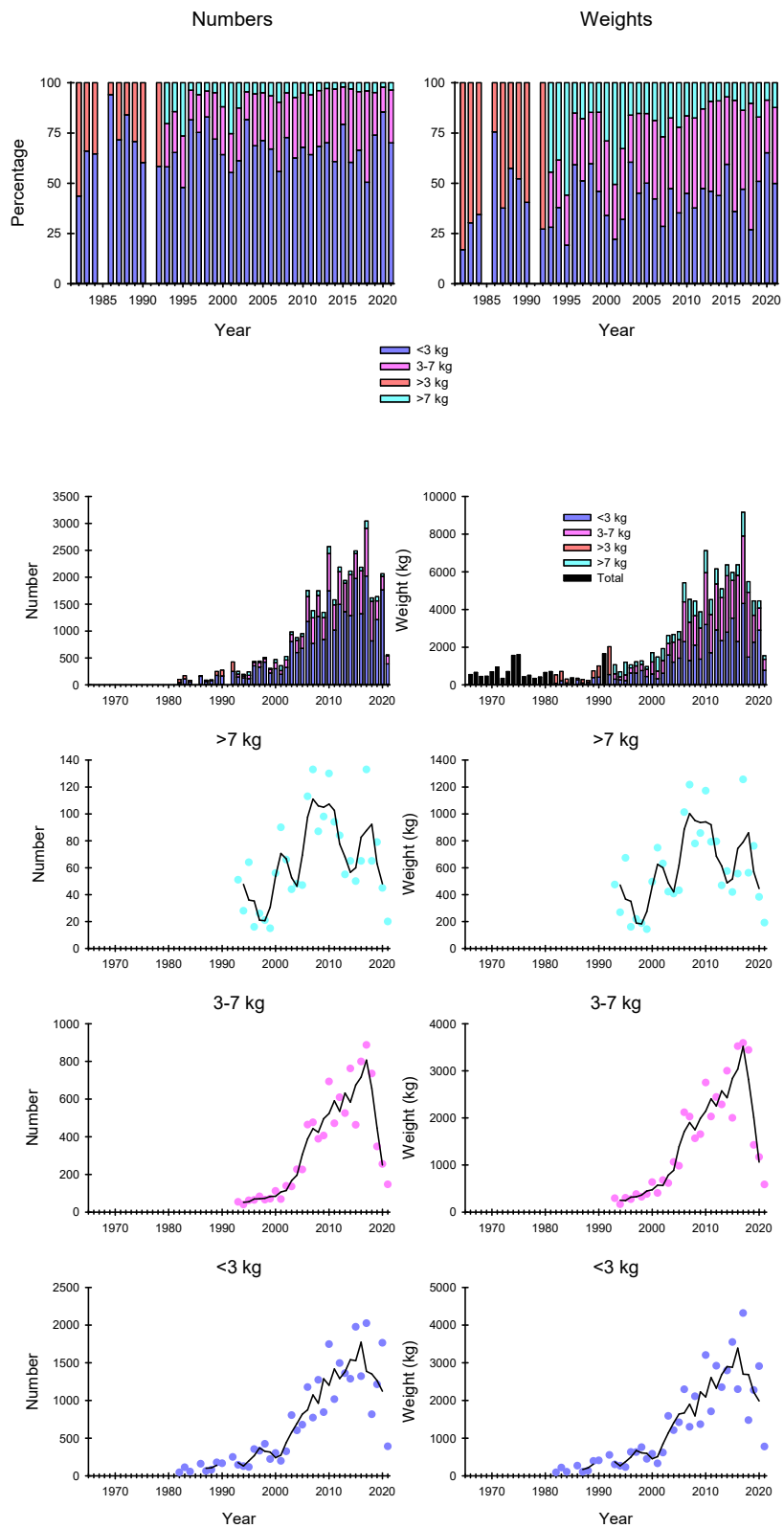


Figure 65. Salmon catches in numbers and weights in three weight groups in the River Vestre Jakobselv. Source: SSB



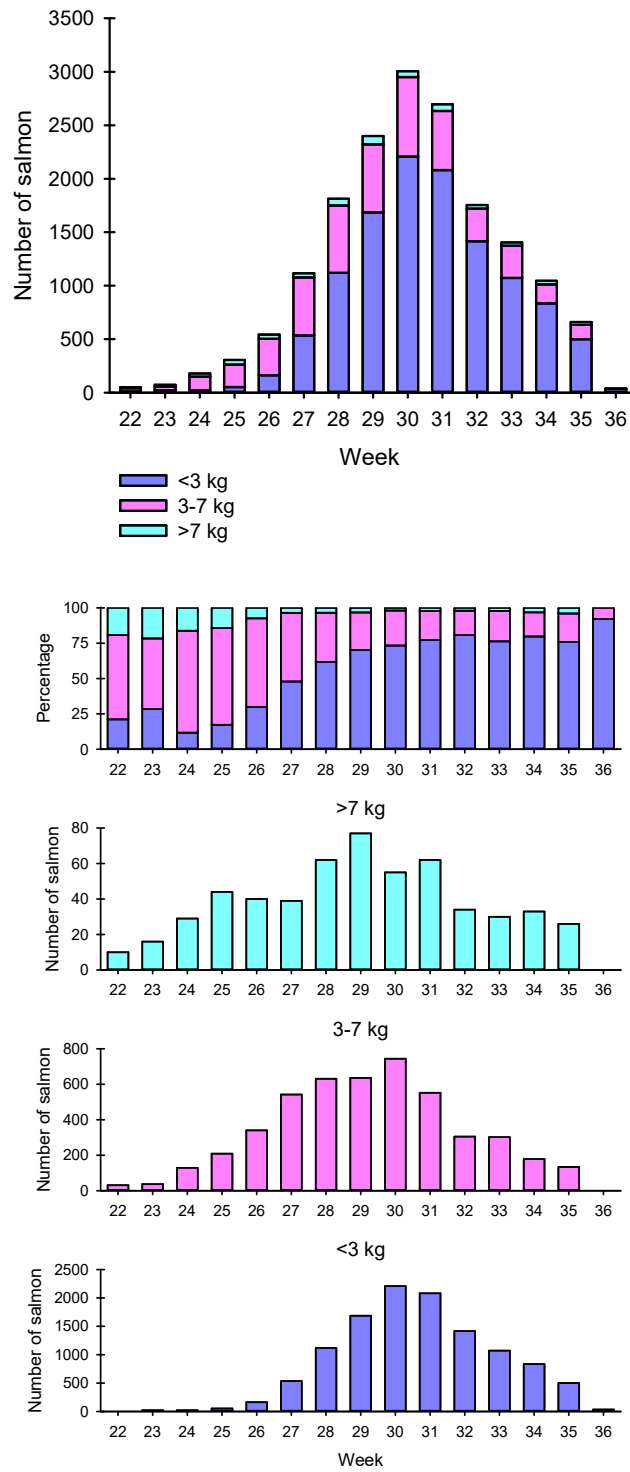


Figure 66. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Vestre Jakobselv in the years 2013-2020. Source: SSB

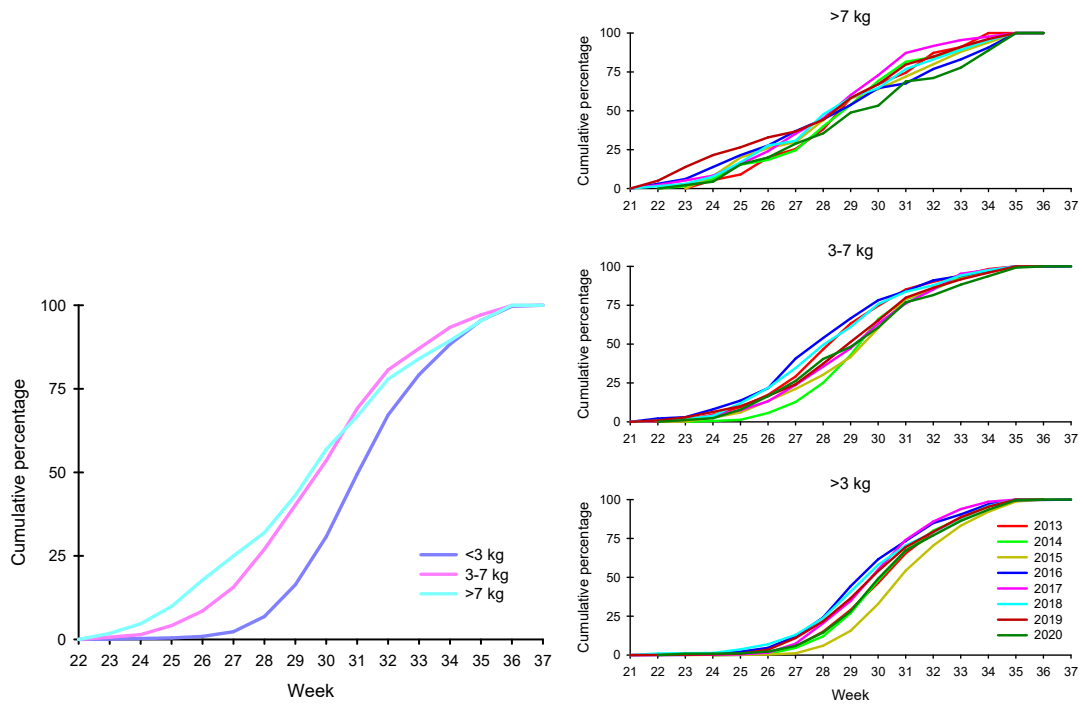


Figure 67. Cumulative catches for three weight groups of salmon in the River Vestre Jakobselv in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the weekly catches). Source: SSB

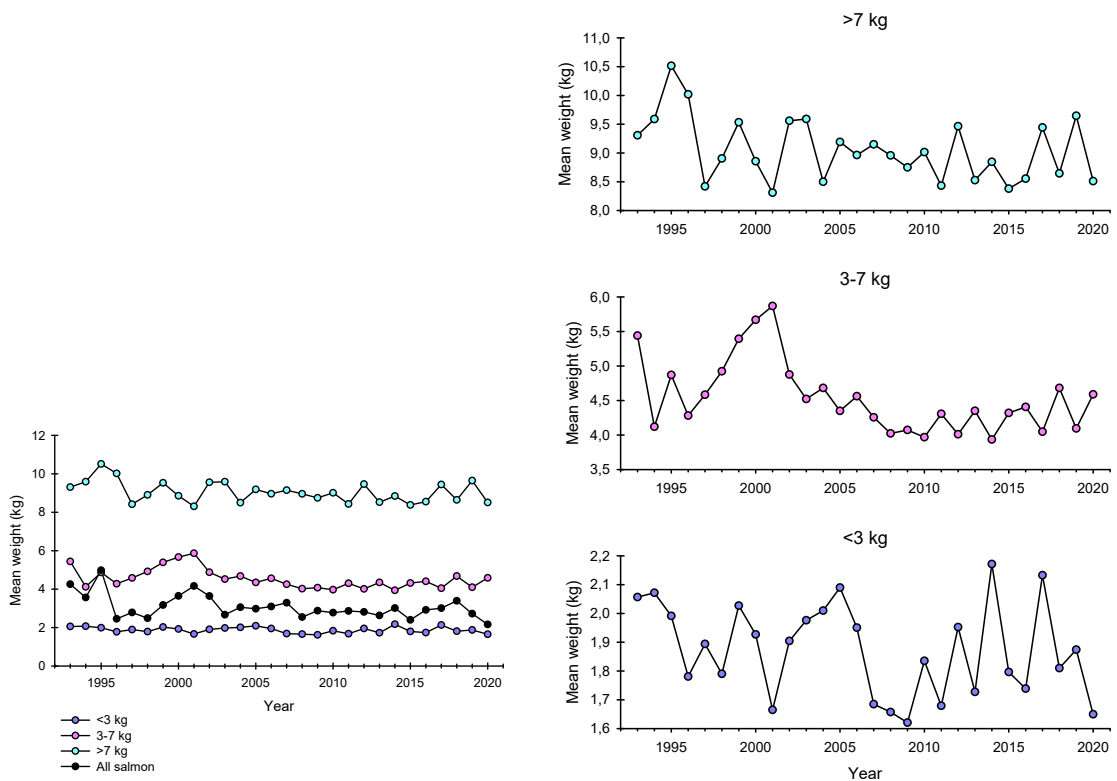


Figure 68. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Vestre Jakobselv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

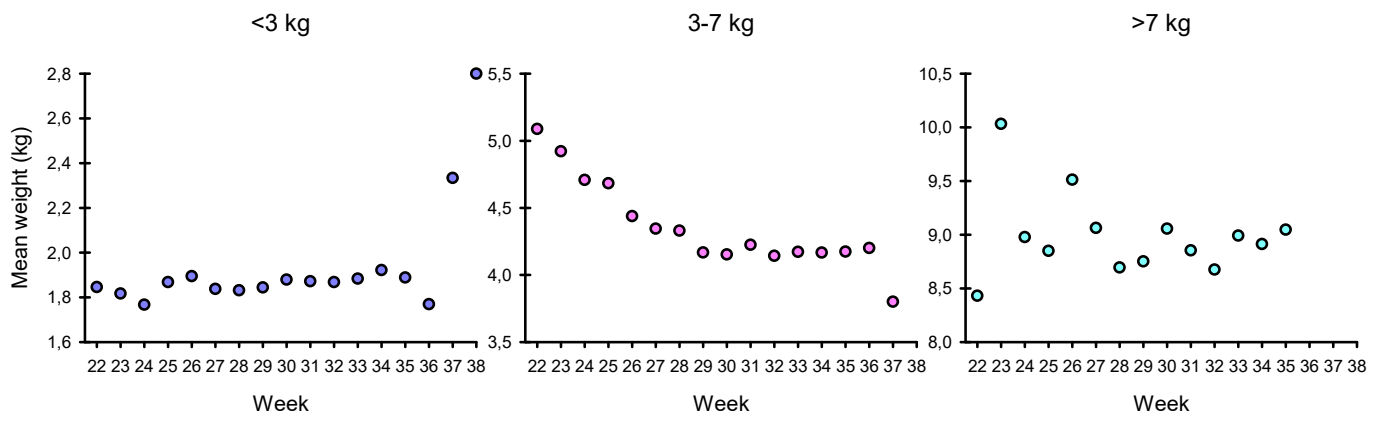


Figure 69. Weekly mean weights of salmon caught in the River Vestre Jakobselv. Weekly catch data is combined in the years 2013-2020. Source: SSB

## 12. Salmon catches in the River Skallelv

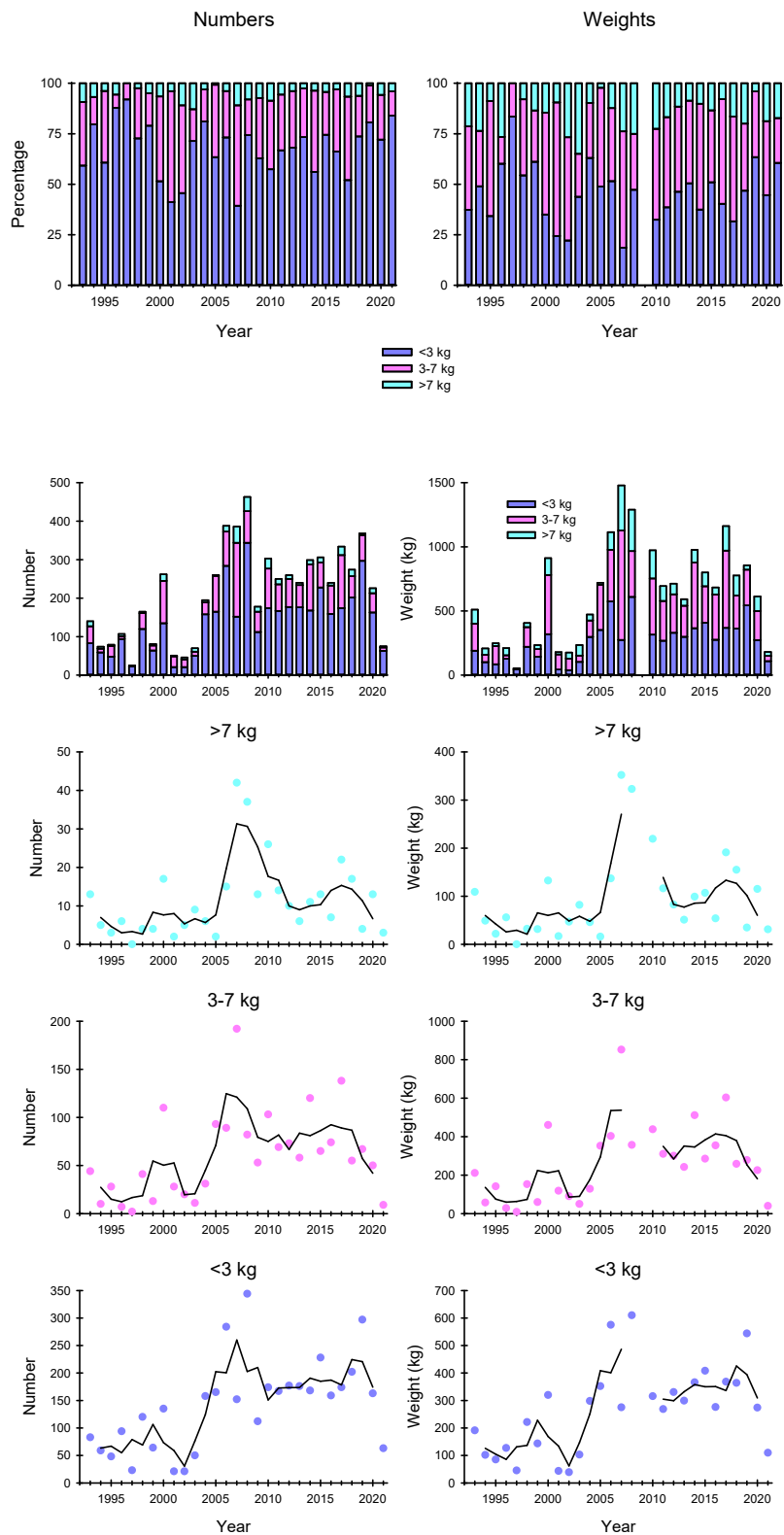


Figure 70. Salmon catches in numbers and weights in three weight groups in the River Skallelv. Source: SSB

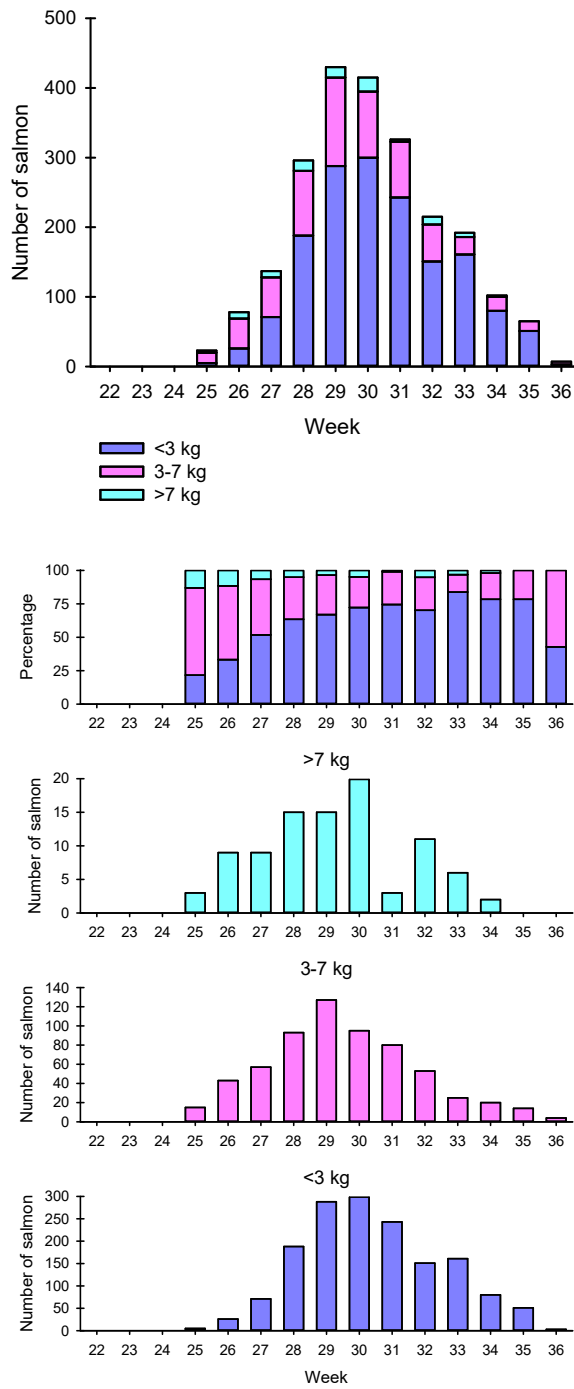


Figure 71. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Skallelv in the years 2013-2020. Source: SSB

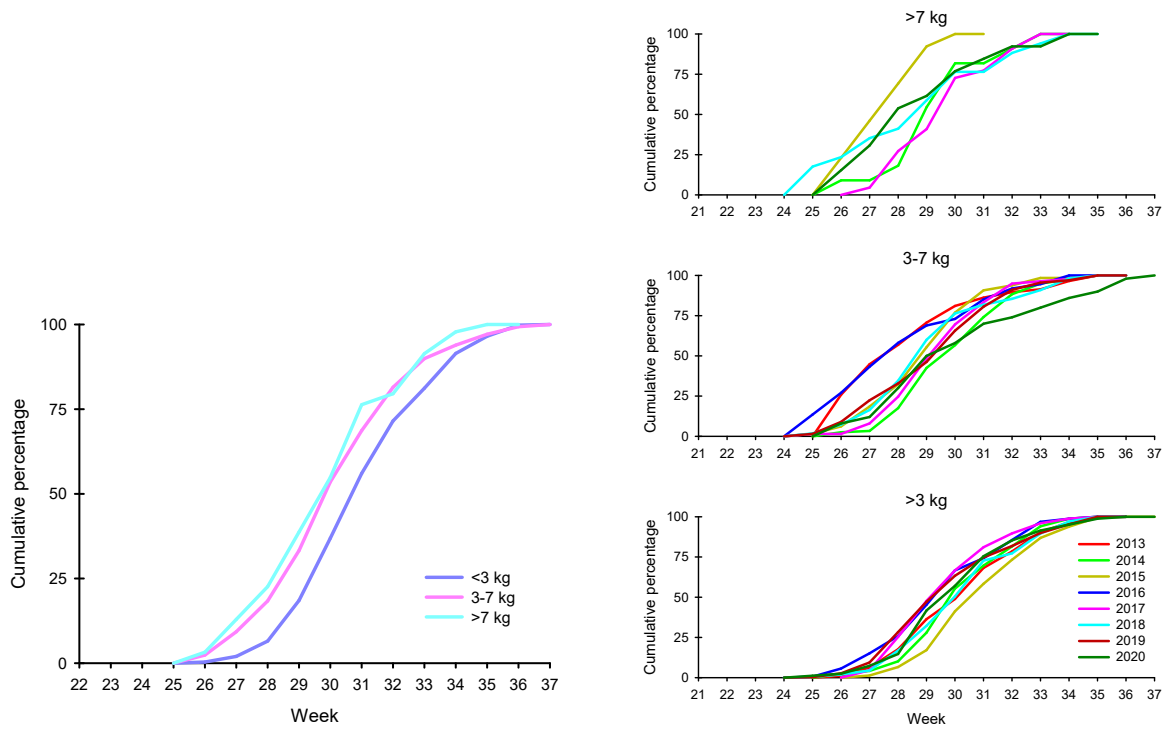


Figure 72. Cumulative catches for three weight groups of salmon in the River Skallelv in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the weekly catches). Source: SSB

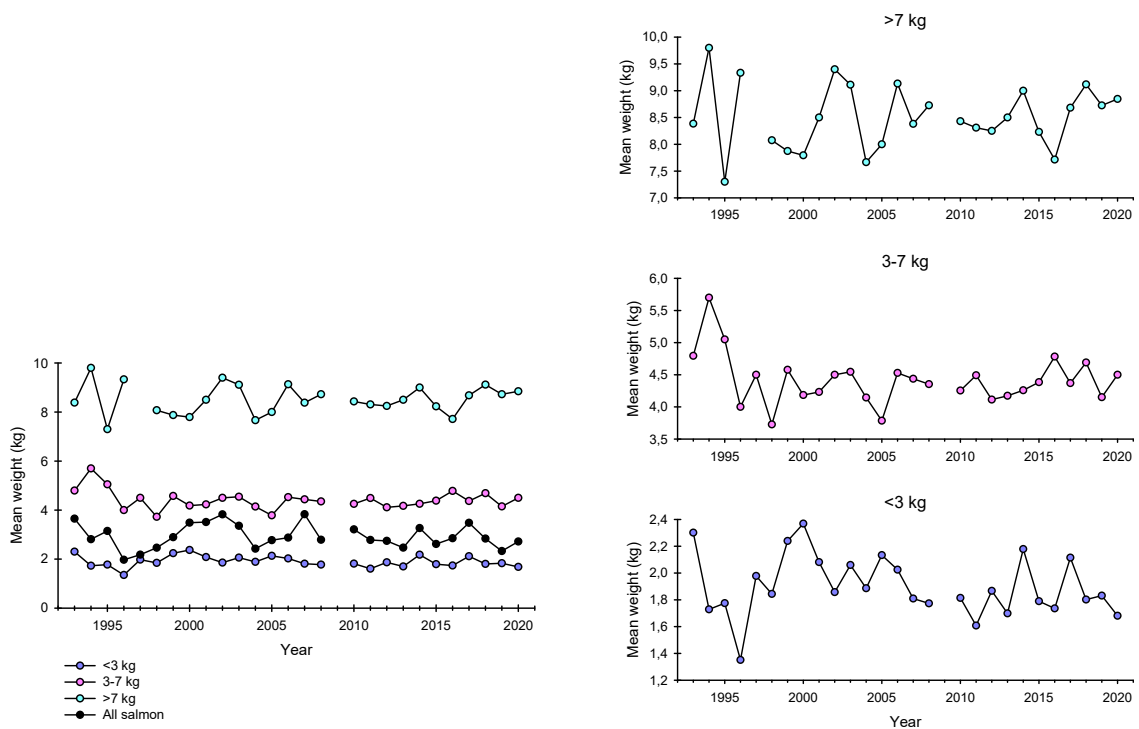


Figure 73. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Skallelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right).

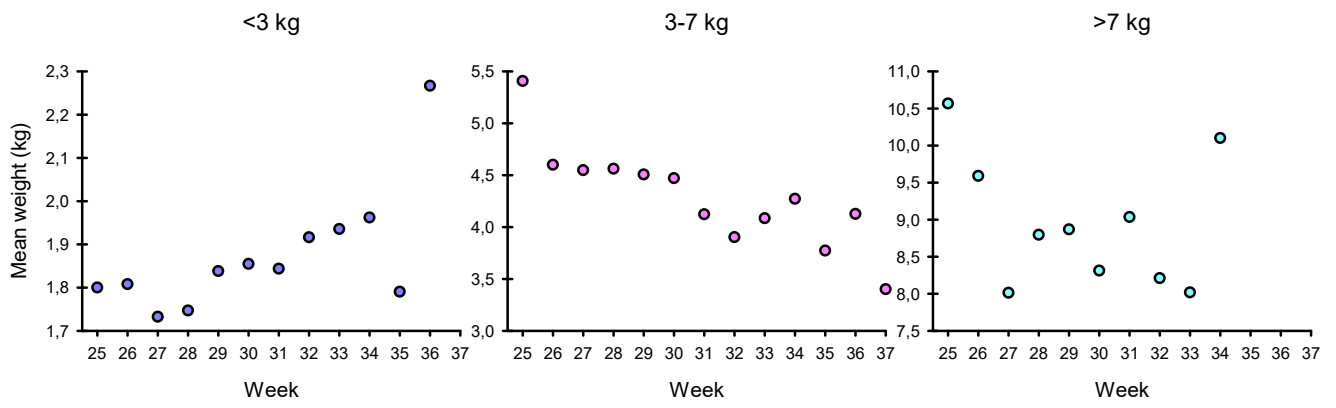


Figure 74. Weekly mean weights of salmon caught in the River Skallelv. Weekly catch data is combined in the years 2013-2020.

# 13. Salmon catches in the River Komagelv

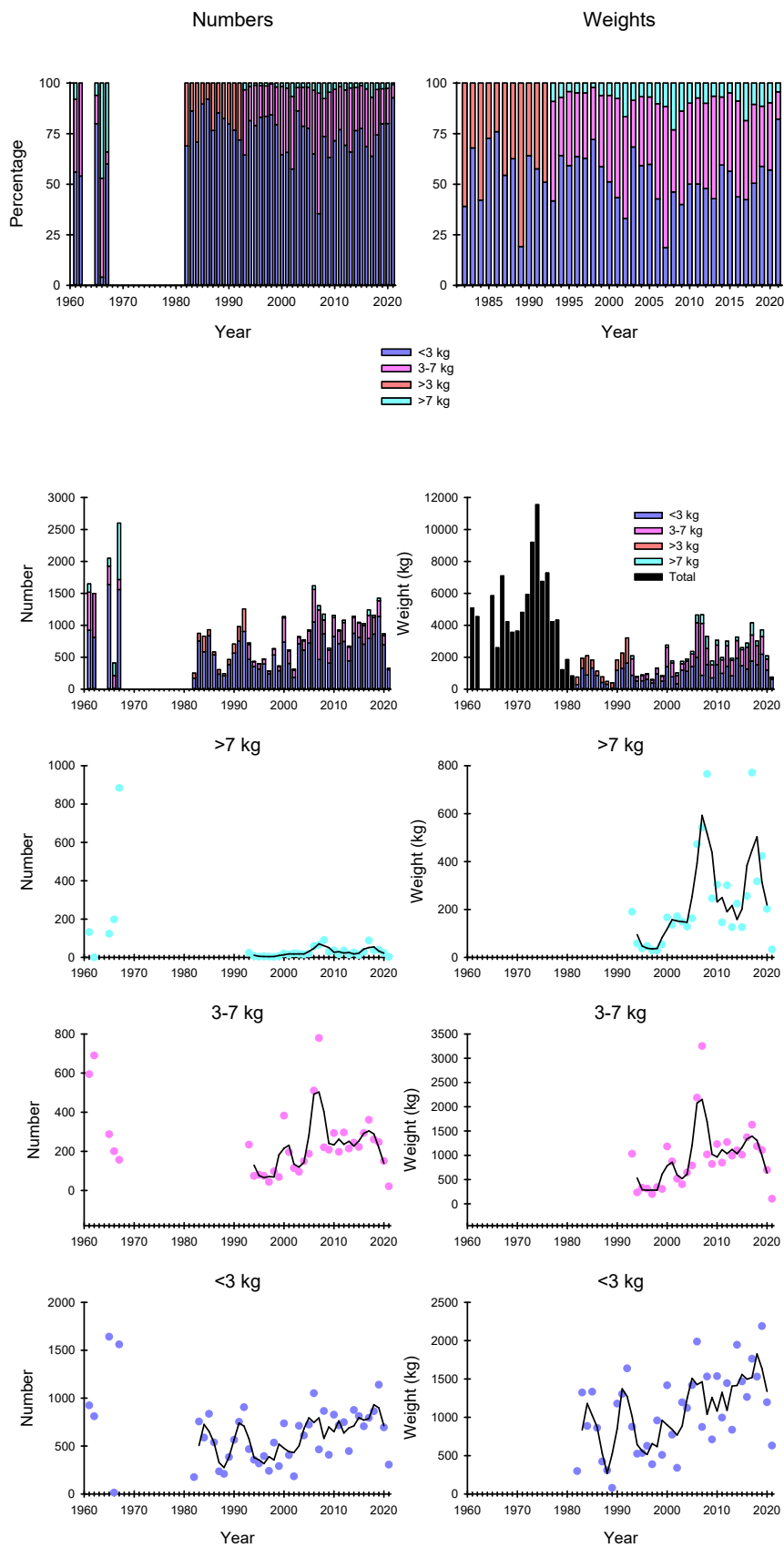


Figure 75. Salmon catches in numbers and weights in three weight groups in the River Komagelv. Source: SSB



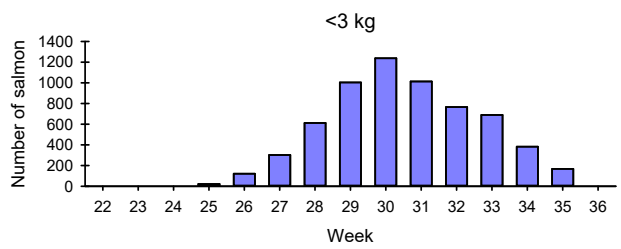
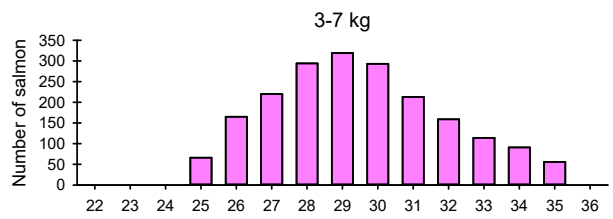
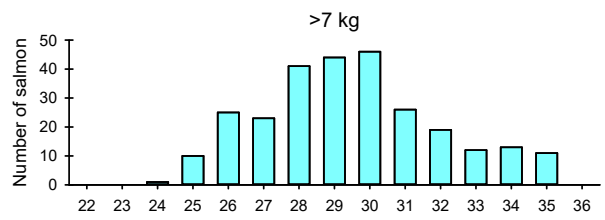
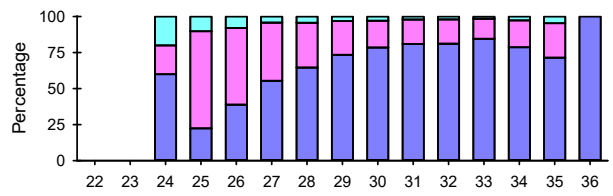
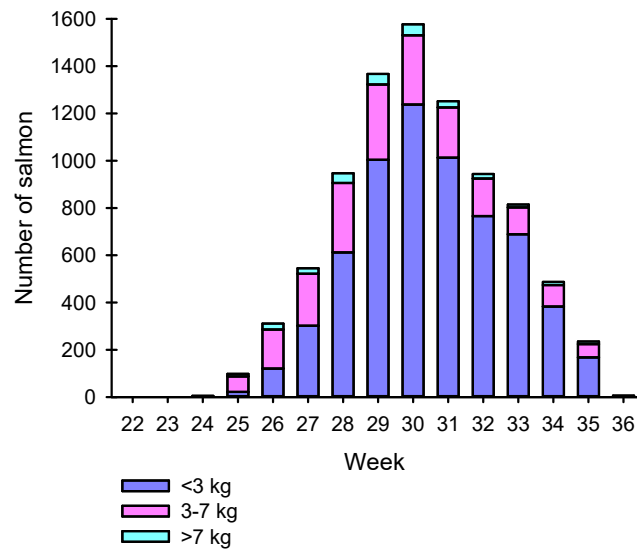


Figure 76. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Komagelv years 2013-2020 combined. Source: SSB

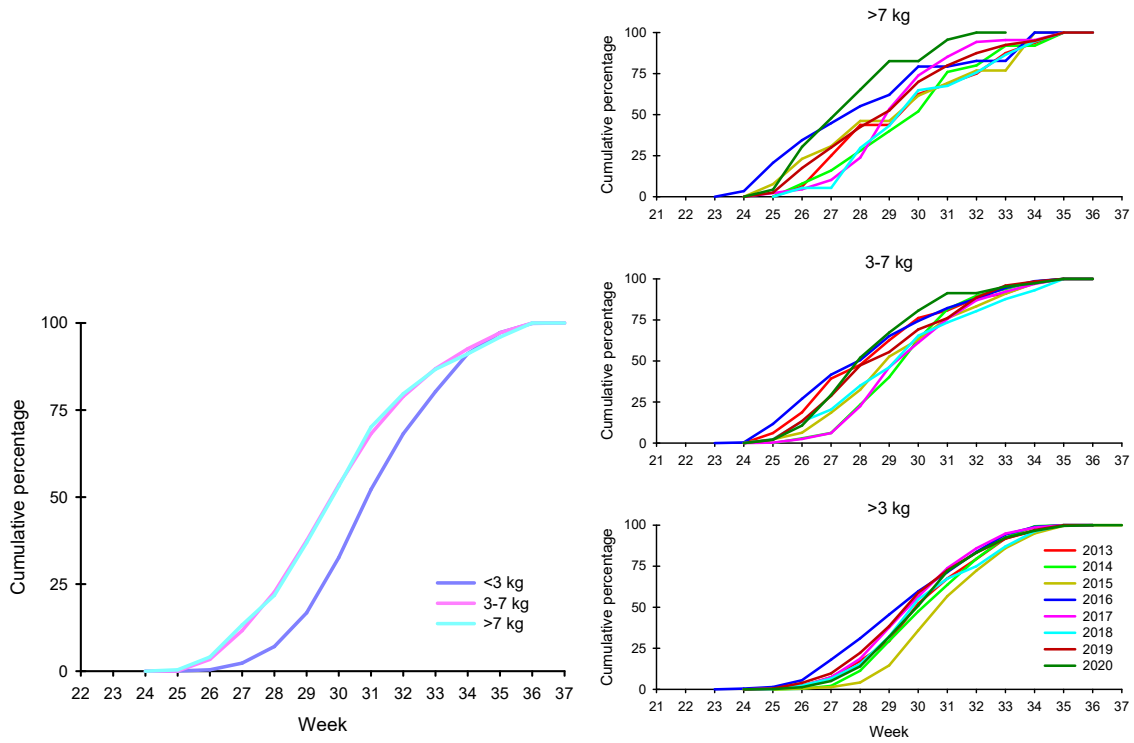


Figure 77. Cumulative catches for three weight groups of salmon in the River Komagelv years 2013-2020 combined (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the weekly catches). Source: SSB

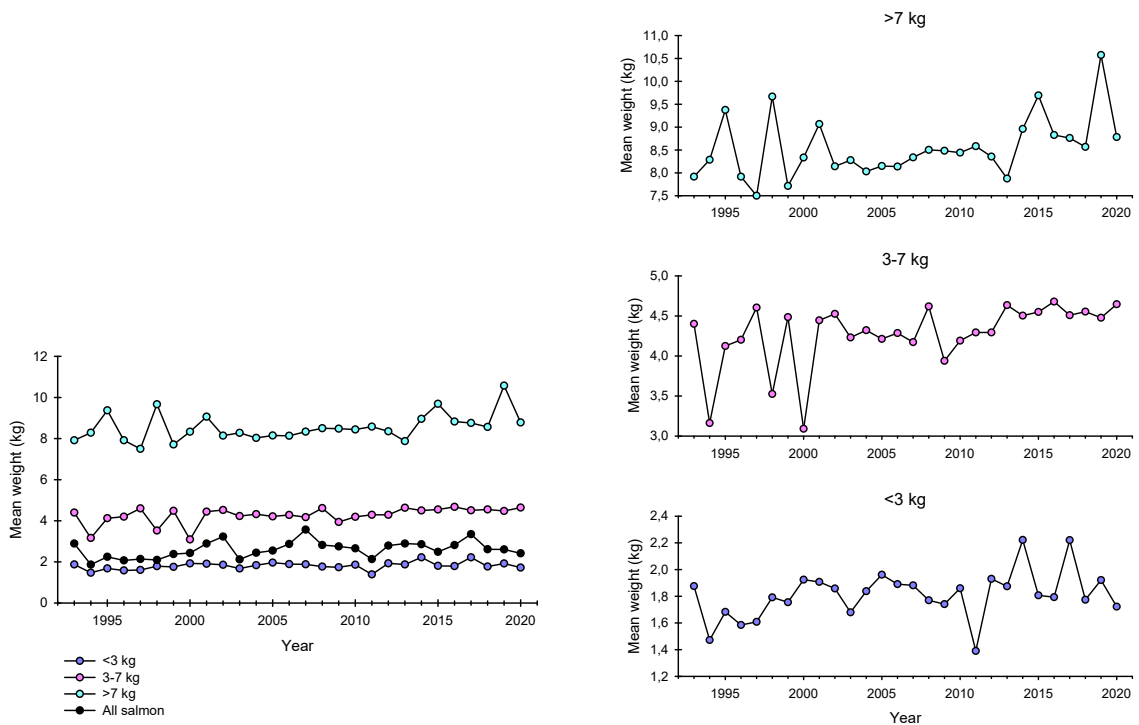


Figure 78. Mean annual weights of salmon for three size groups and for the total mean of all salmon in the River Komagelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

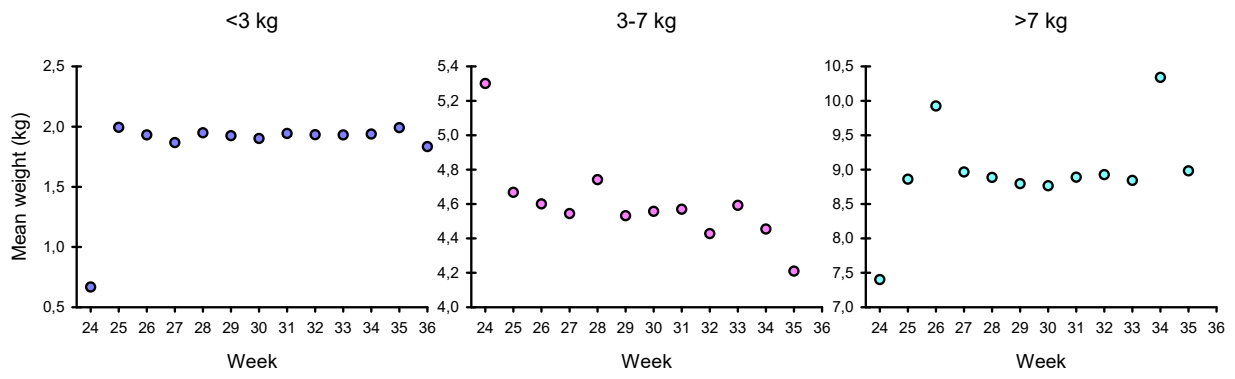


Figure 79. Mean weekly weights of salmon caught in the River Komagelv. Weekly catch data in the years 2013-2020 combined. Source: SSB

# 14. Salmon catches in the River Sandfjordelv (Båtsfjord)

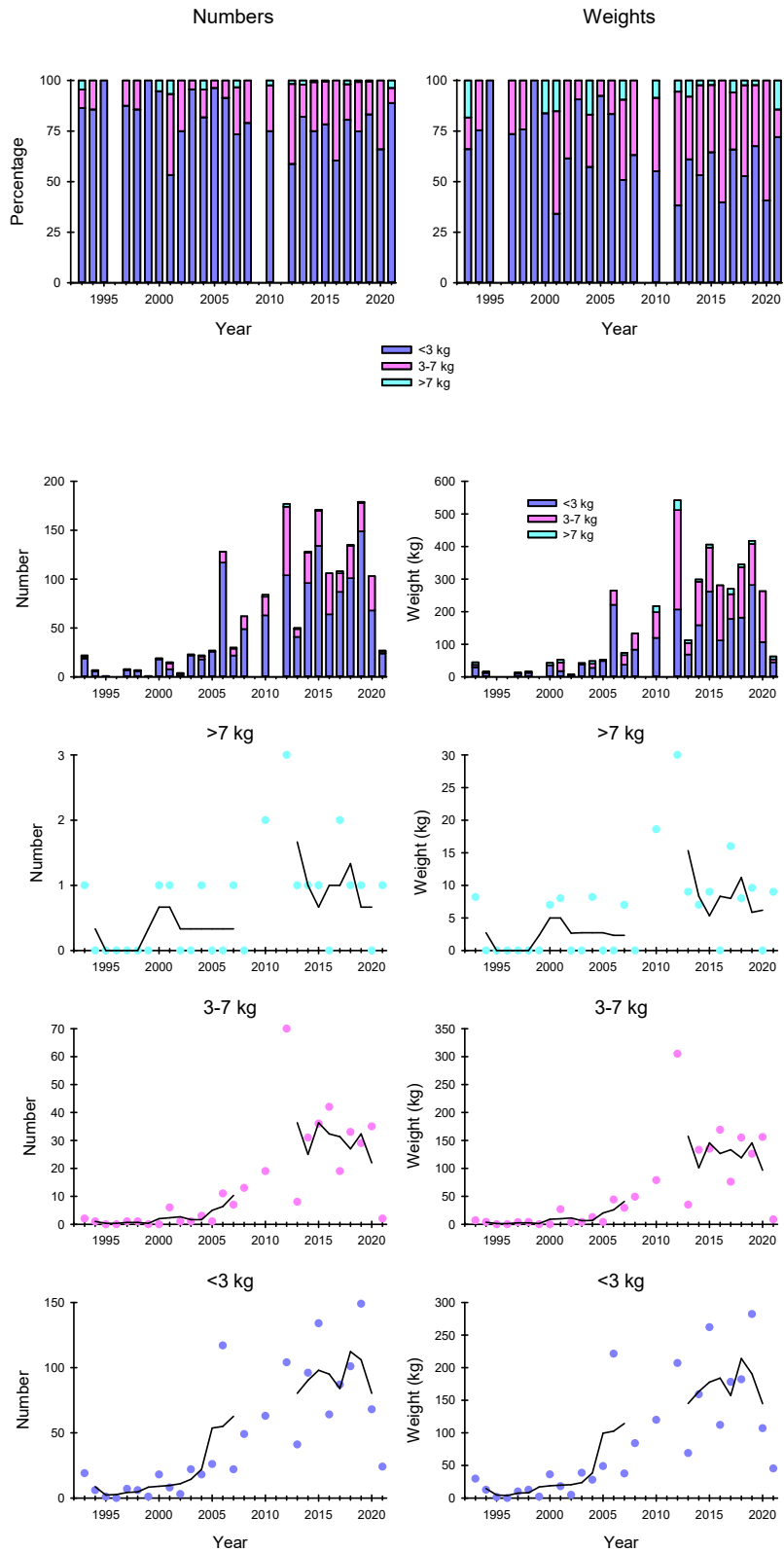


Figure 80. Salmon catches in numbers and weights in three weight groups in the River Sandfjordelv (Båtsfjord). Source: SSB

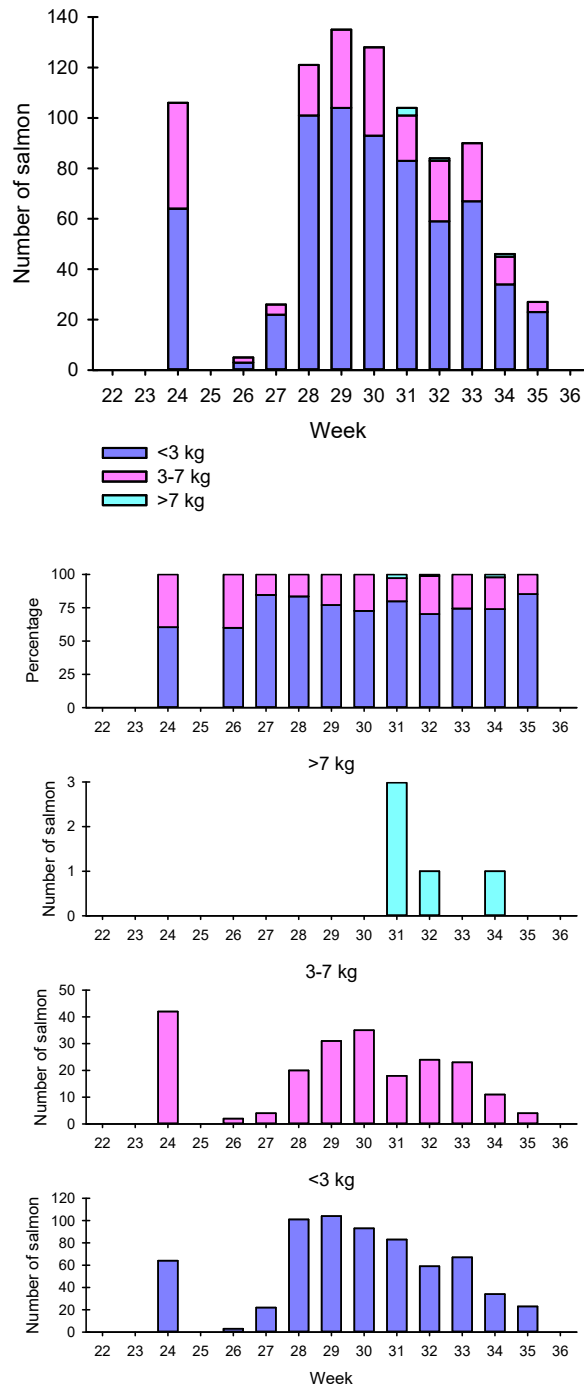


Figure 81. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Sandfjordelv (Båtsfjord) in the years 2013-2020. Source: SSB

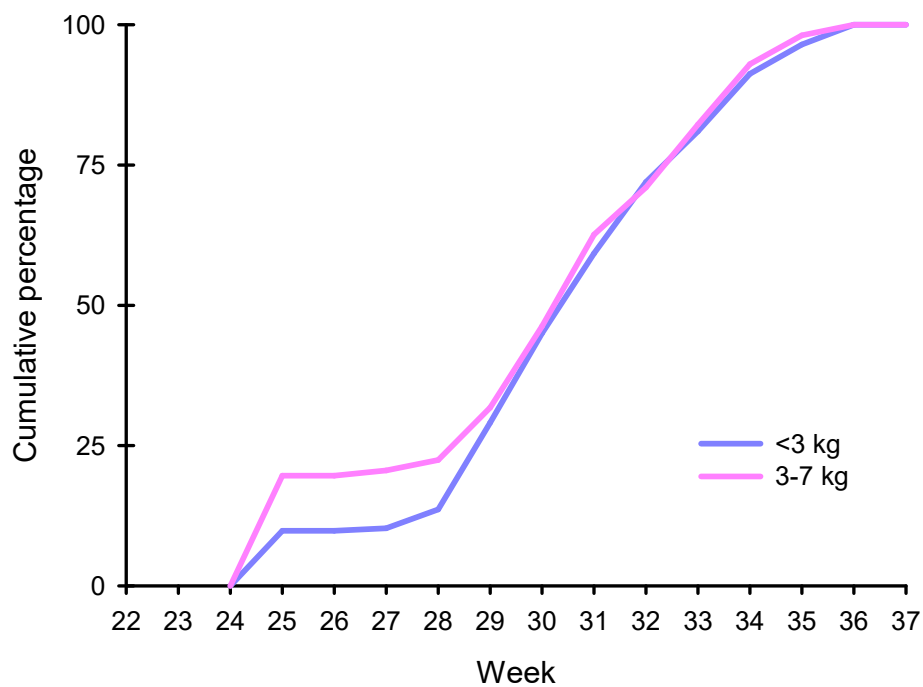


Figure 82. Cumulative catches for three weight groups of salmon in the River Sandfjordelv (Båtsfjord) in the years 2013-2020 (calculated from the weekly catches). Source: SSB

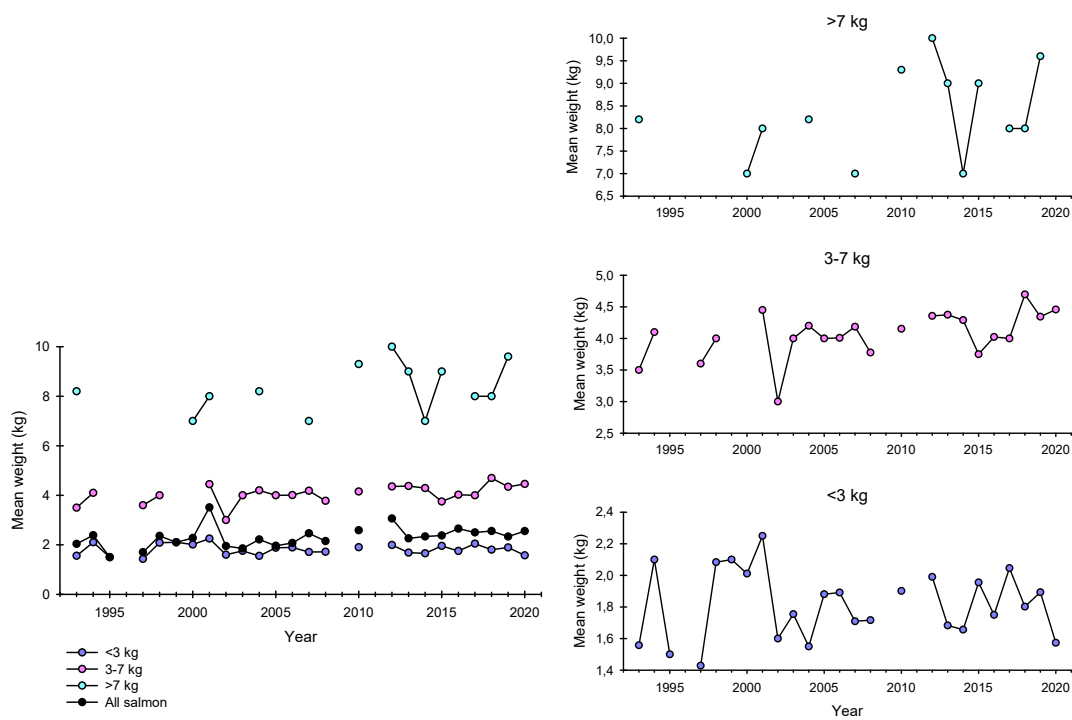


Figure 83. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Sandfjordelv (Båtsfjord) (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

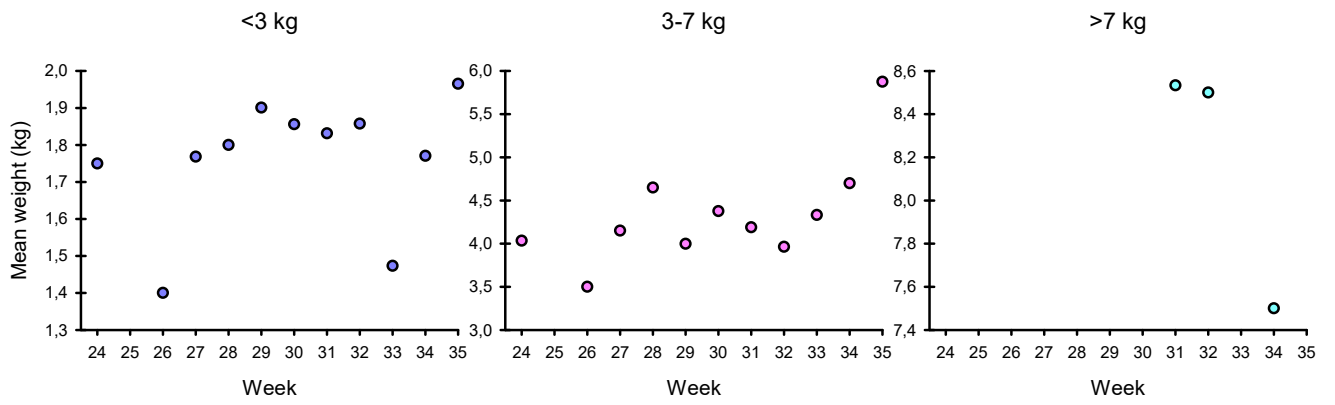


Figure 84. Weekly mean weights of salmon caught in the River Sandfjordelv (Båtsfjord). Weekly catch data is combined in the years 2013-2020. Source: SSB

# 15. Salmon catches in the River Syltefjordelv (Ordo)

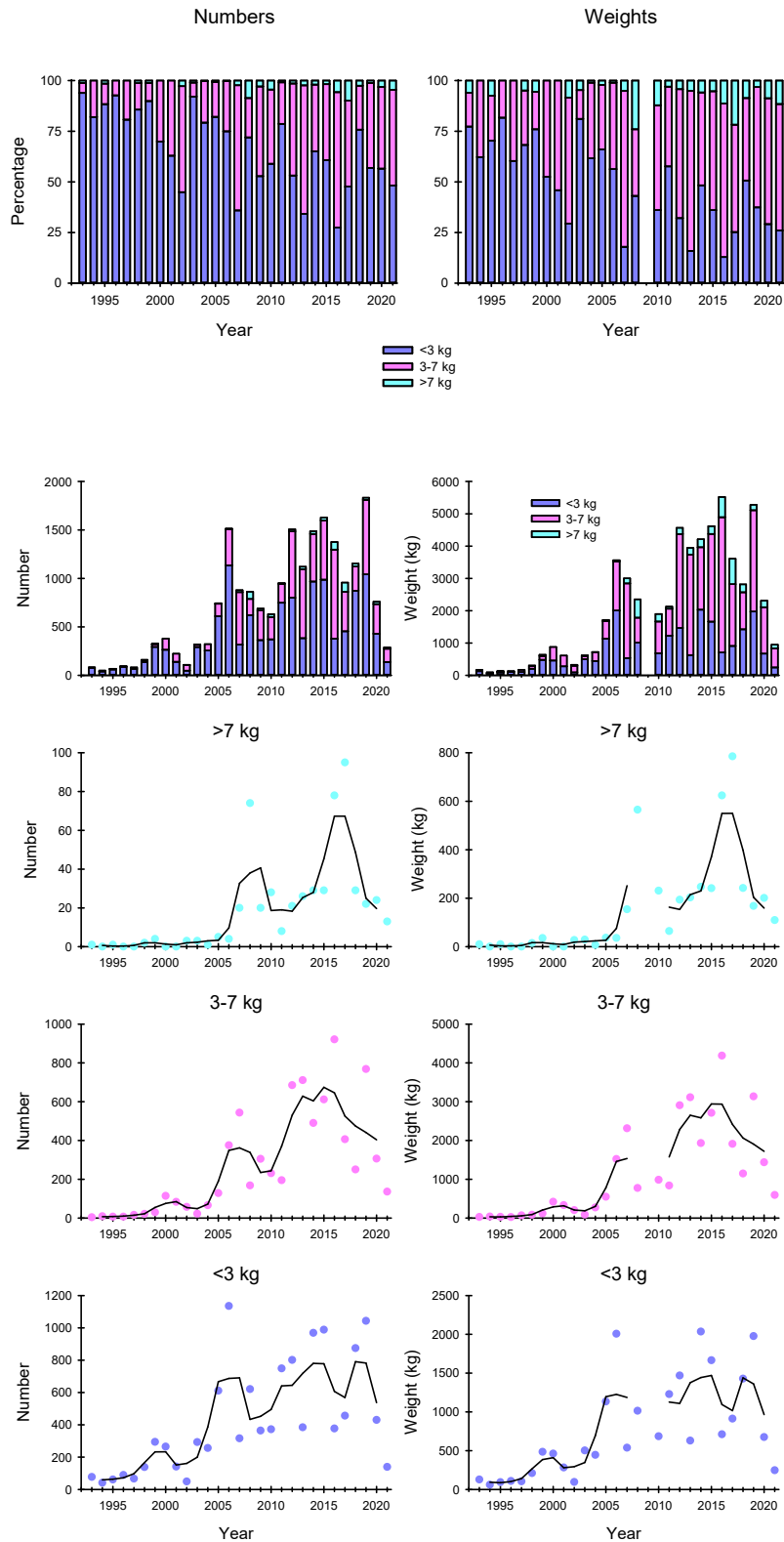


Figure 85. Salmon catches in numbers and weights in three weight groups in the River Syltefjordelv. Source: SSB



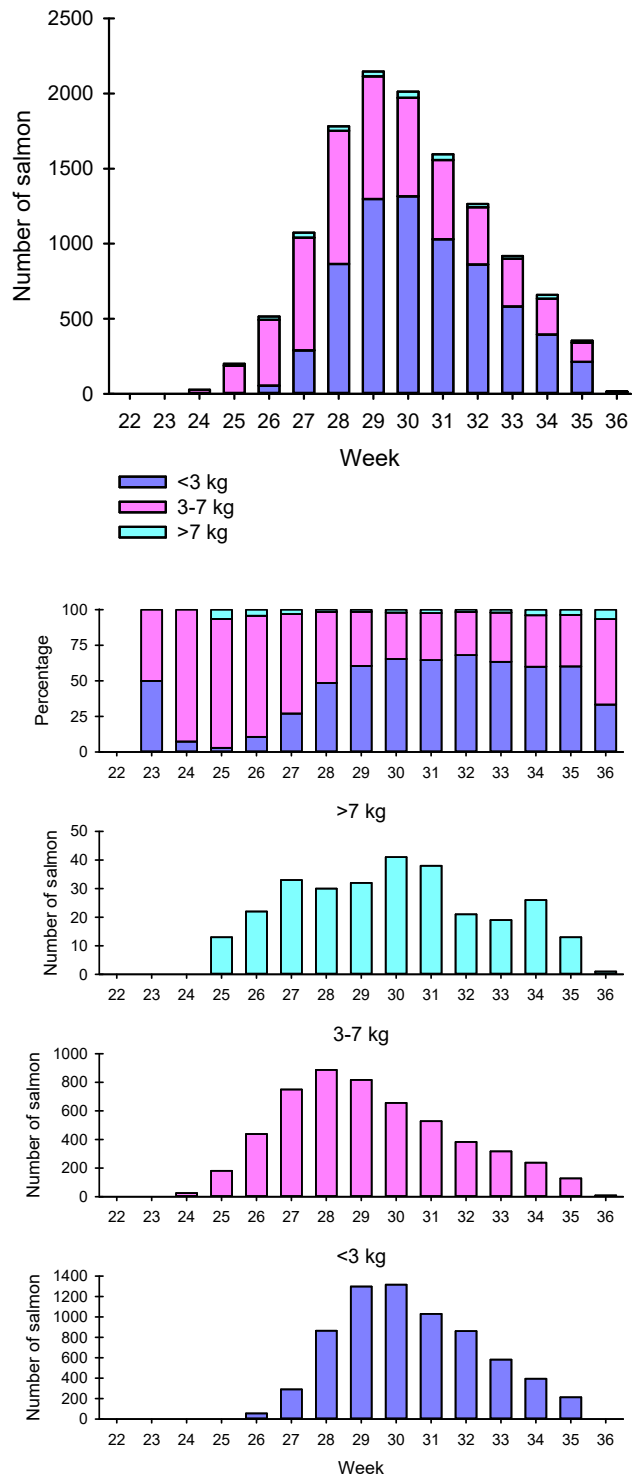


Figure 86. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Syltefjordelv in the years 2011-2020. Source: SSB

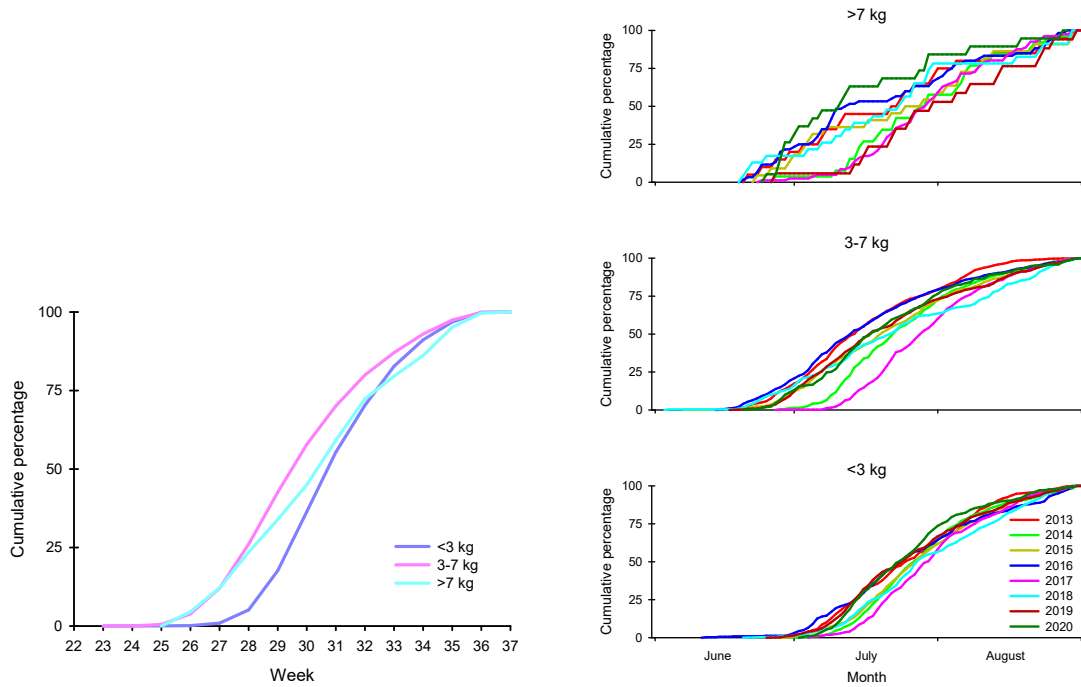


Figure 87. Cumulative catches for three weight groups of salmon in the River Syltefjordelv in the years 2011-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the daily catches). Source: SSB

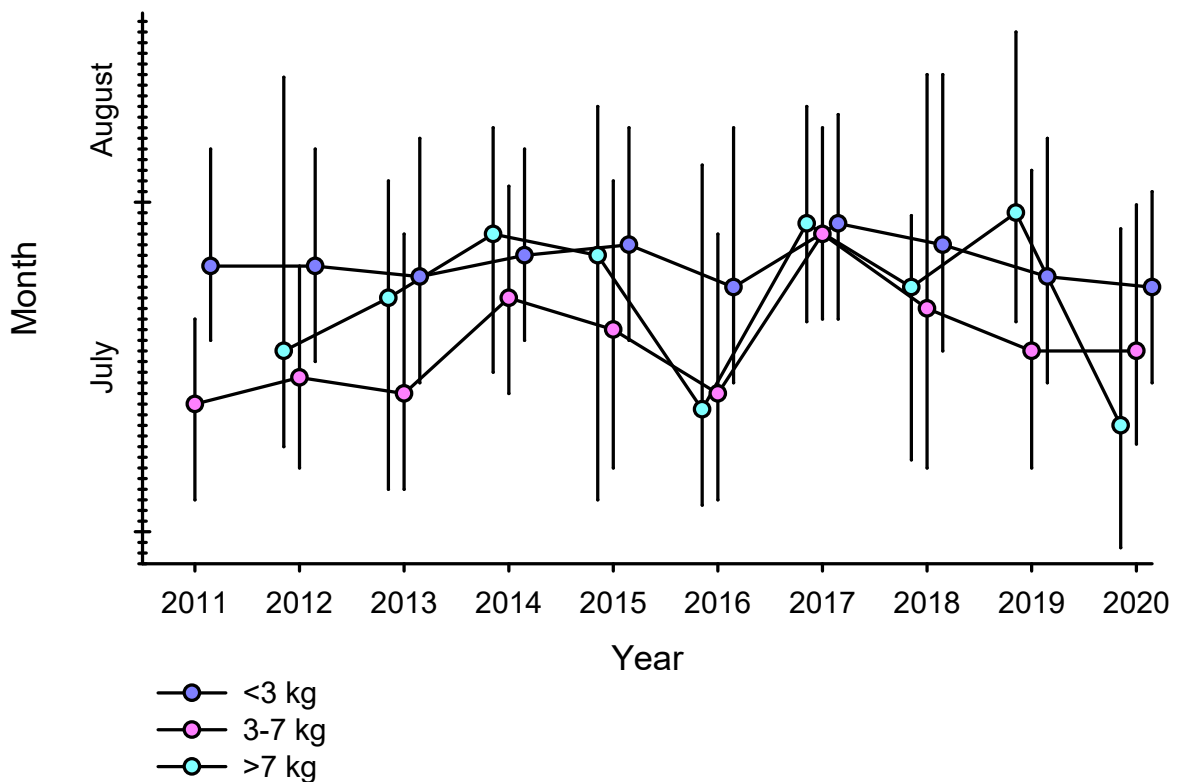


Figure 88. Median dates of capture with upper and lower quartiles for three weight groups of salmon in the River Syltefjordelv (calculated from the daily catches). Source: SSB

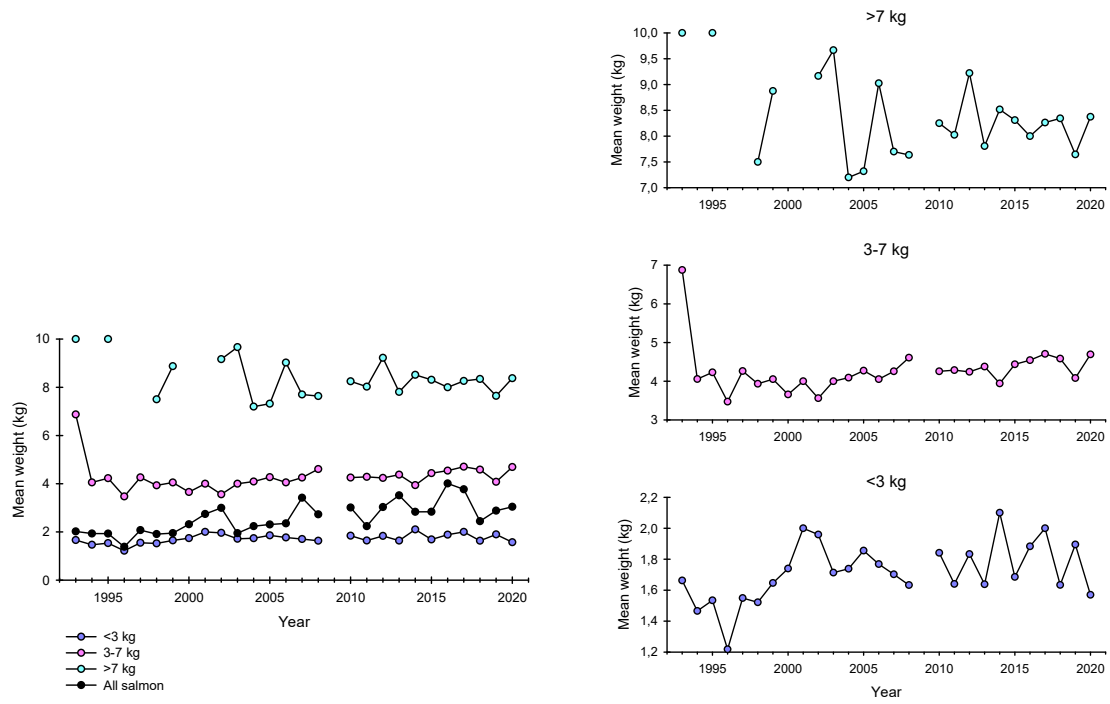


Figure 89. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Syltefjordelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

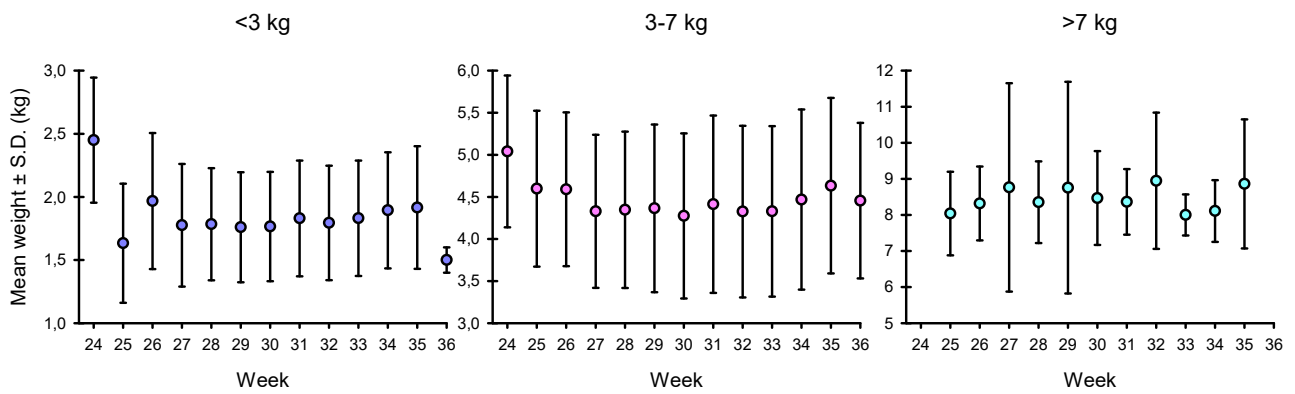


Figure 90. Weekly mean weights of salmon caught in the River Syltefjordelv. Weekly catch data is combined in the years 2011-2020. Source: SSB

## 16. Salmon catches in the River Kongsfjordelv

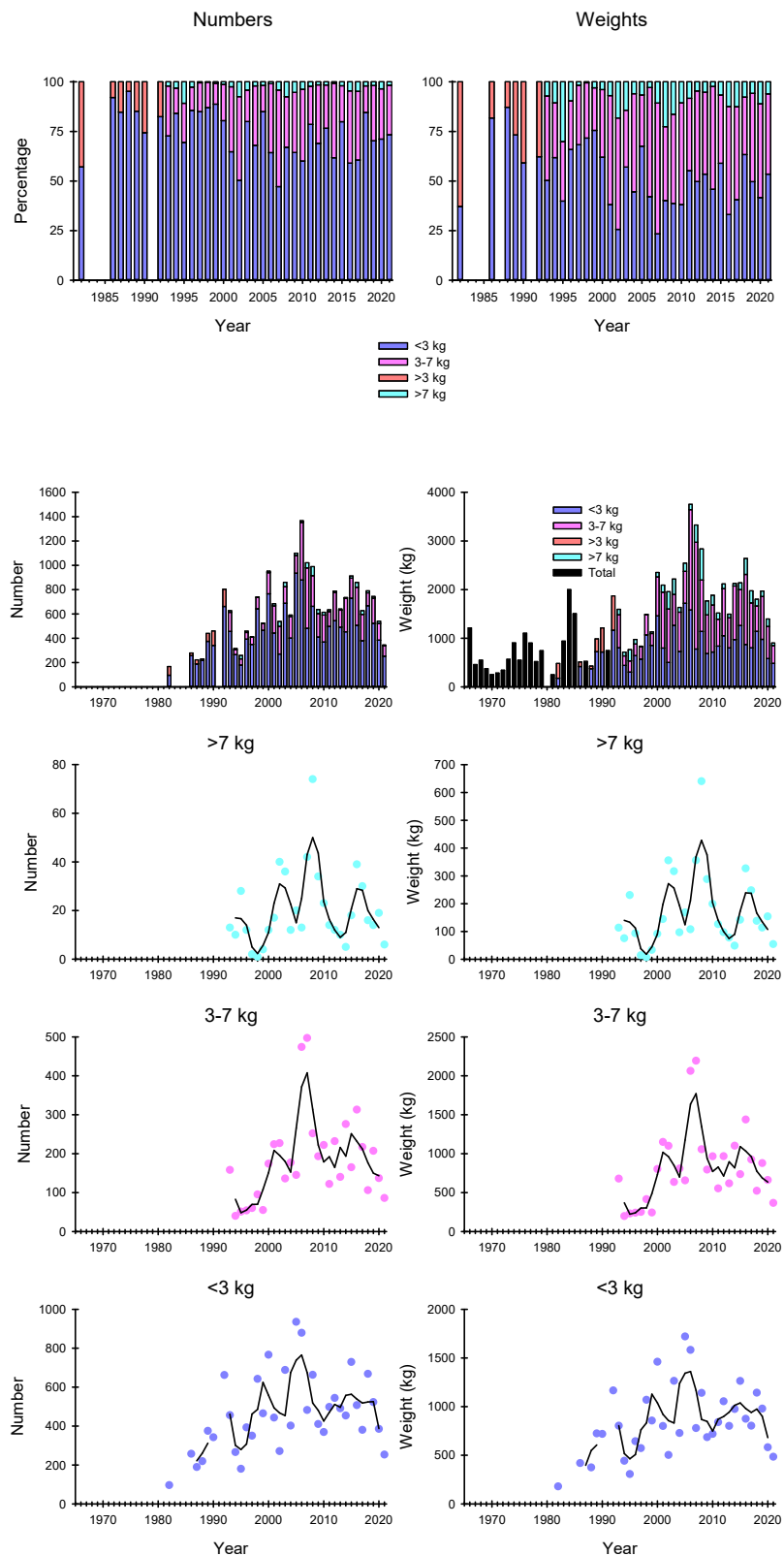


Figure 91. Salmon catches in numbers and weights in three weight groups in the River Kongsfjordelv. Source: SSB

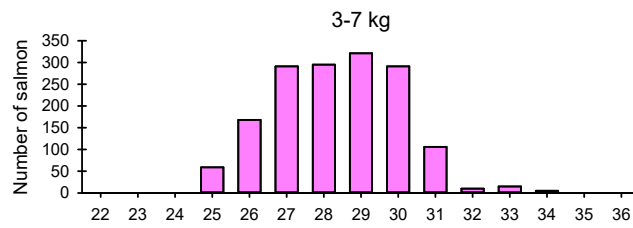
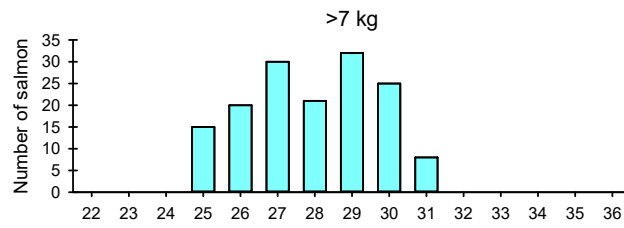
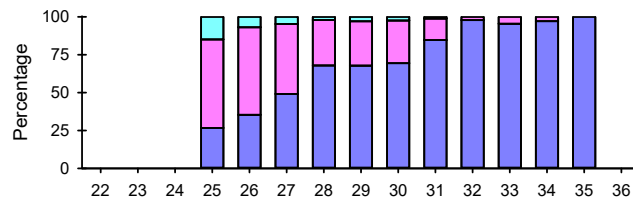
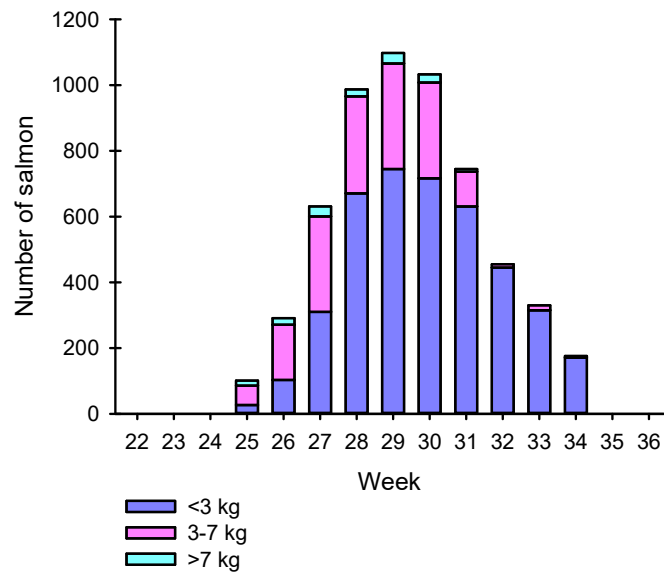


Figure 92. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Kongsfjordelv (years 2013-2020 combined). Source: SSB

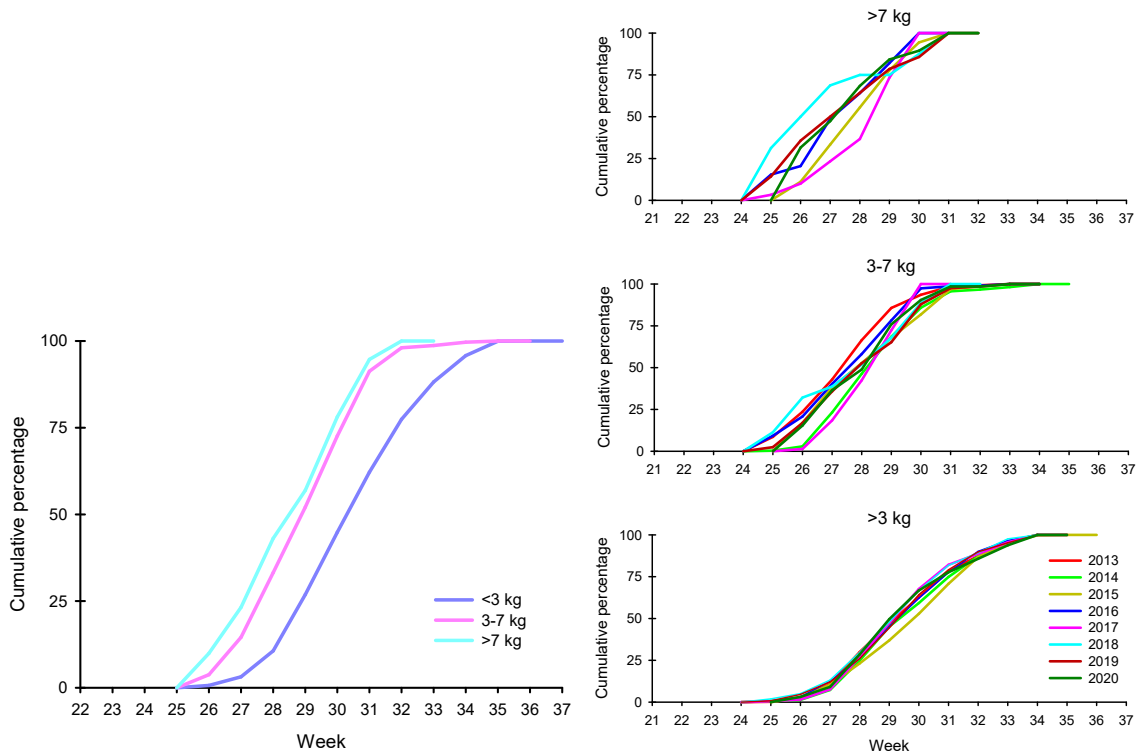


Figure 93. Cumulative catches for three weight groups of salmon in the River Kongsfjordelvy years 2013-2020 combined (Figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the weekly catches). Source: SSB

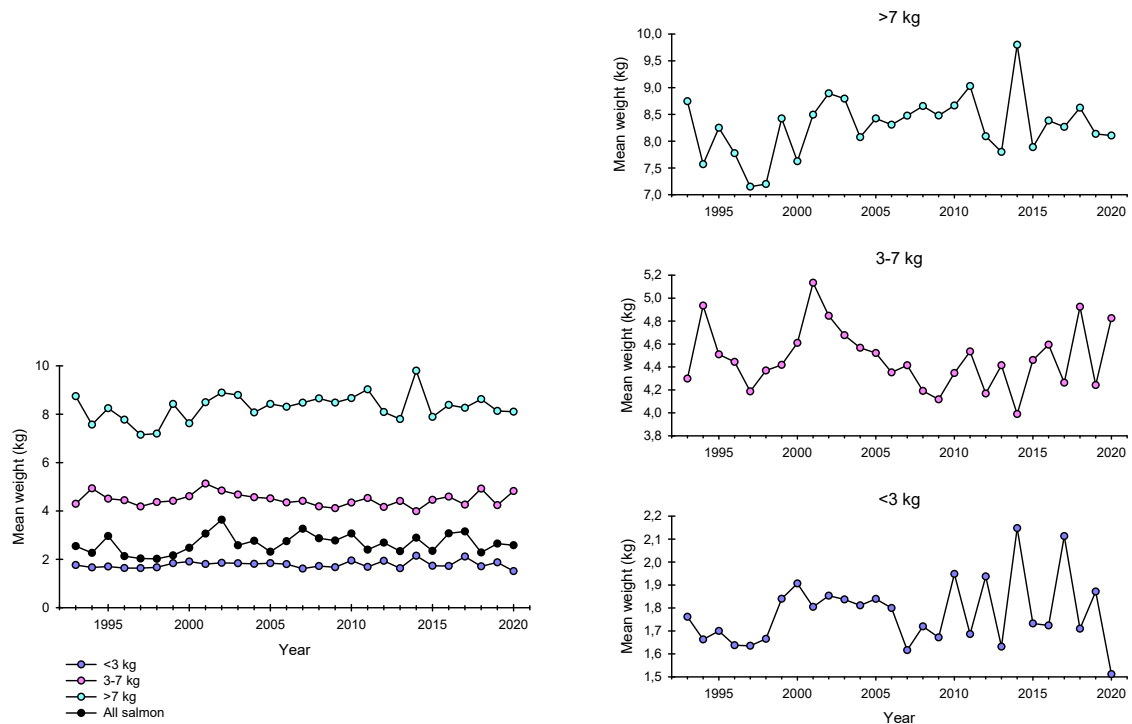


Figure 94. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Kongsfjordelvy (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

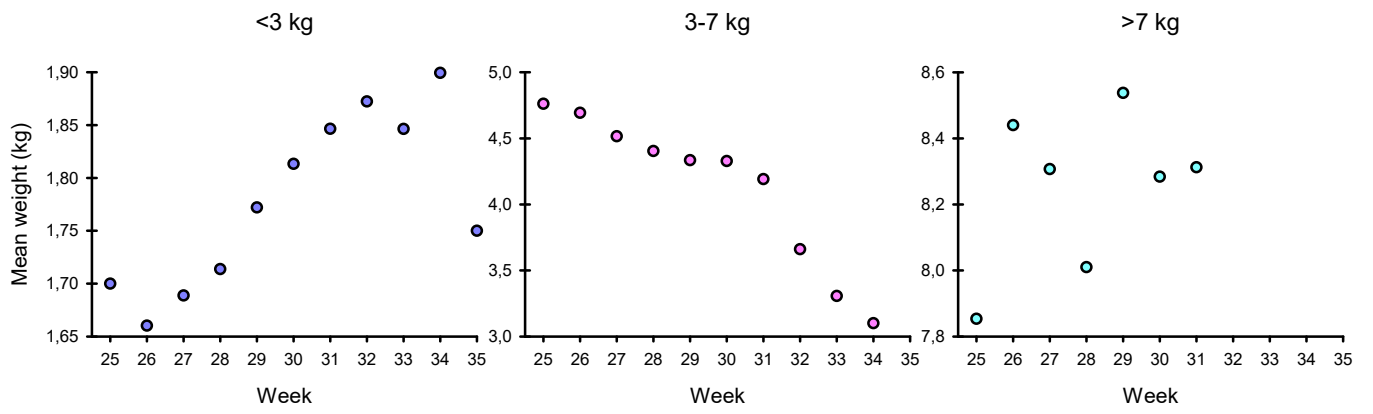


Figure 95. Weekly mean weights of salmon caught in the River Kongsfjordelv. Weekly catch data from the years 2013-2020 combined. Source: SSB

# 17. Salmon catches in the River Stordalselv (Berlevåg)

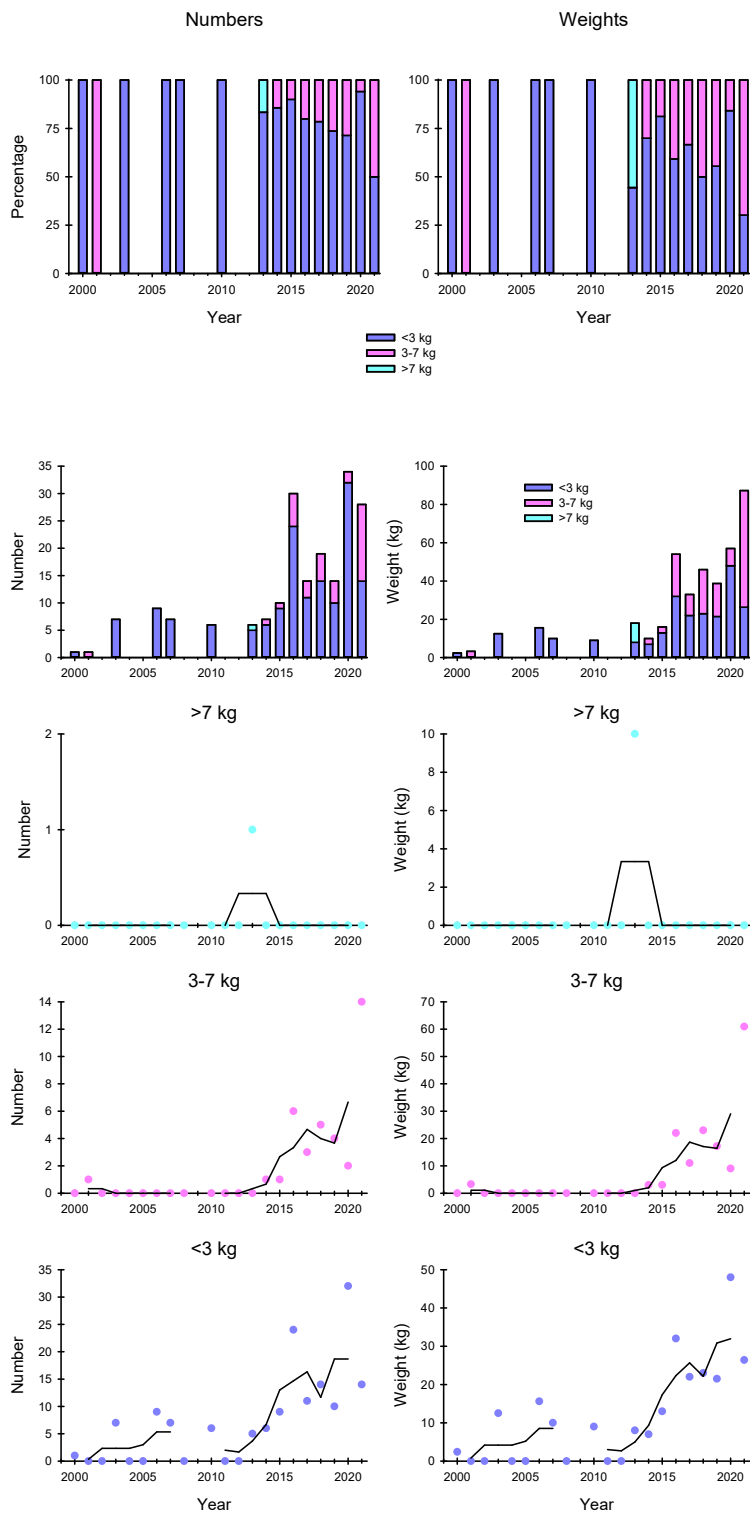


Figure 96. Salmon catches in numbers and weights in three weight groups in the River Stordalselv (Berlevåg). Source: SSB



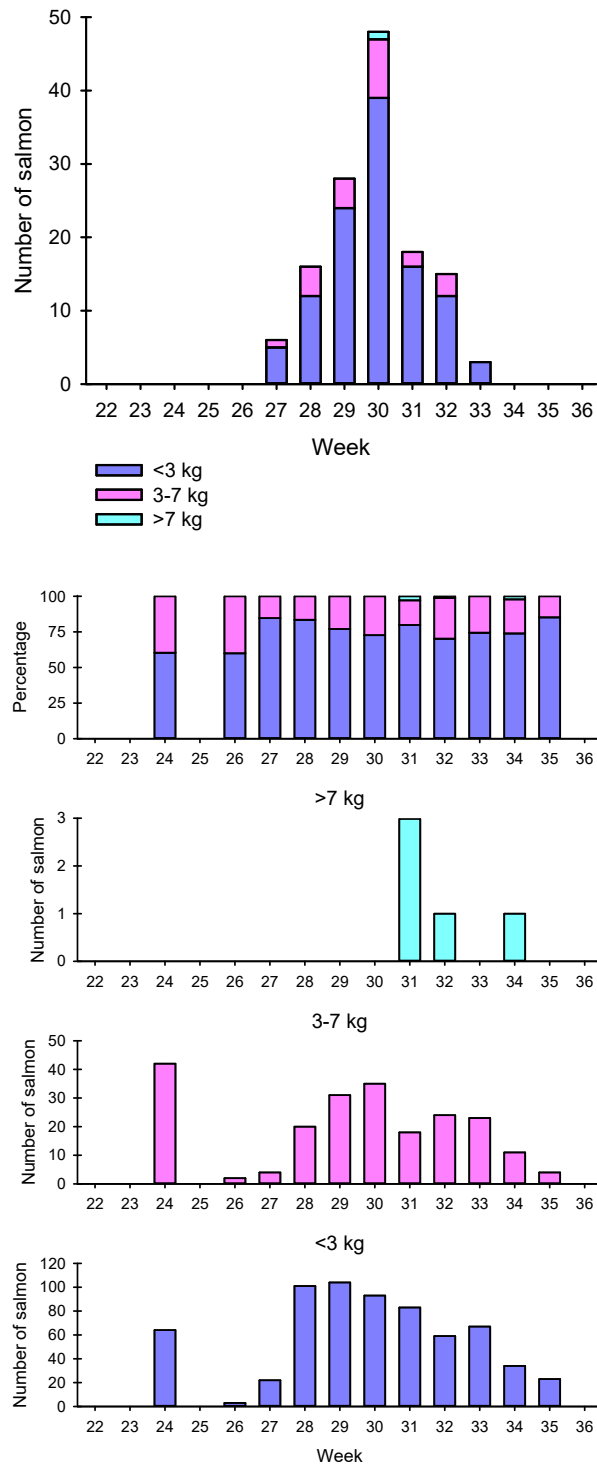


Figure 97. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Stordalselv (Berlevåg) in the years 2013-2020. Source: SSB

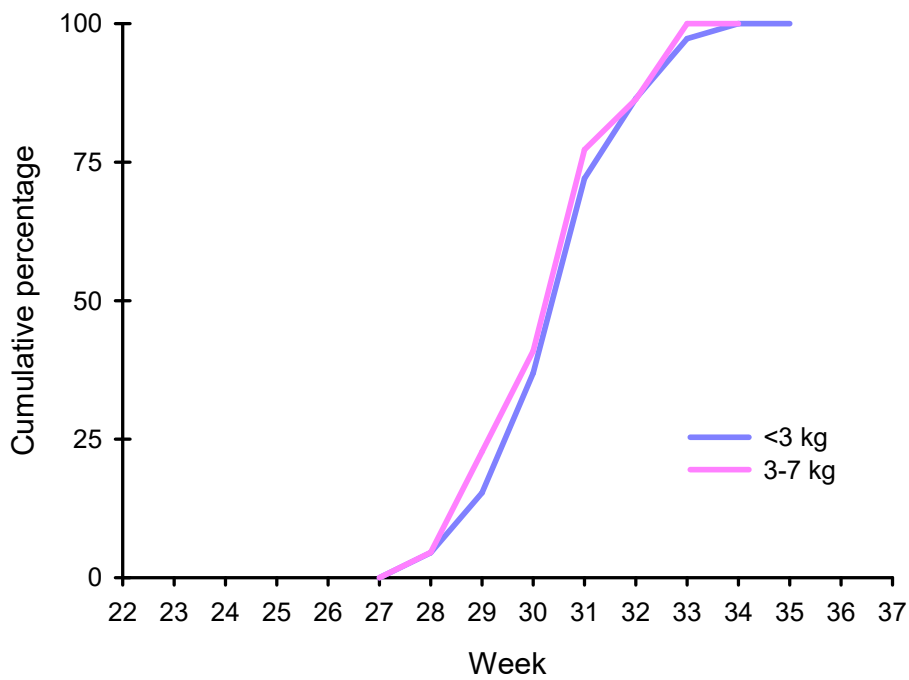


Figure 98. Cumulative catches for two weight groups of salmon in the River Stordalselv (Berlevåg) in the years 2013-2020 ((calculated from the weekly (weeks 26-35) catches)).

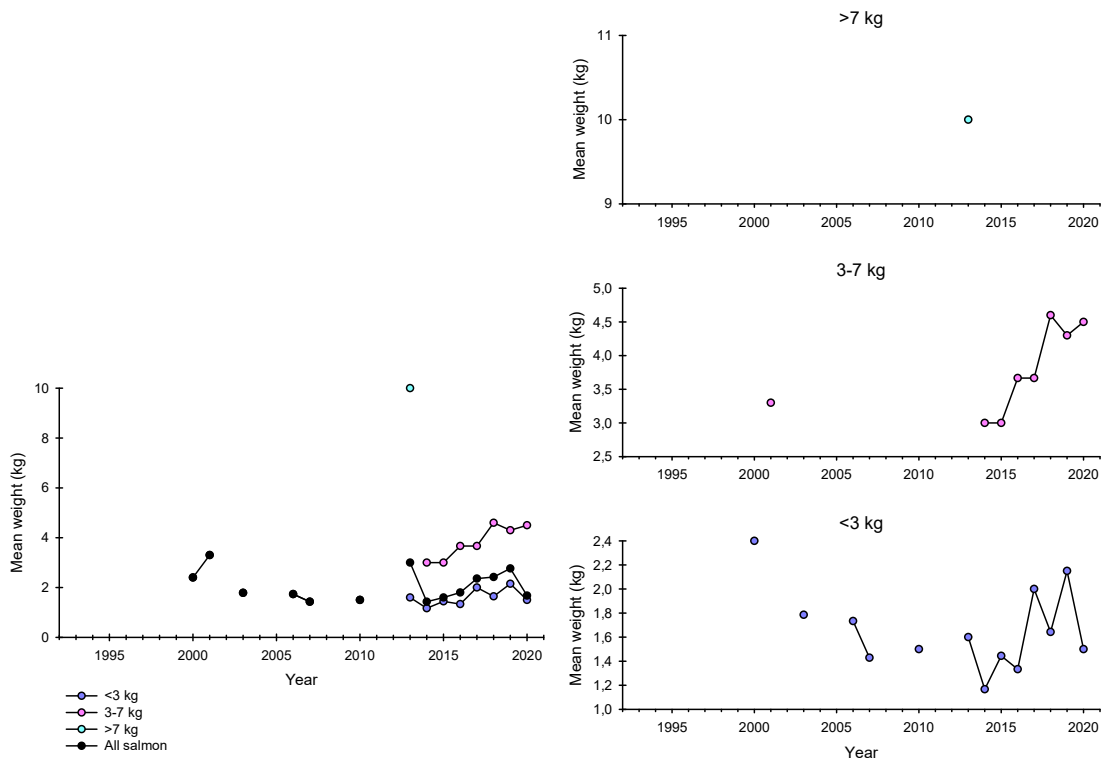


Figure 99. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Stordalselv (Berlevåg) (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

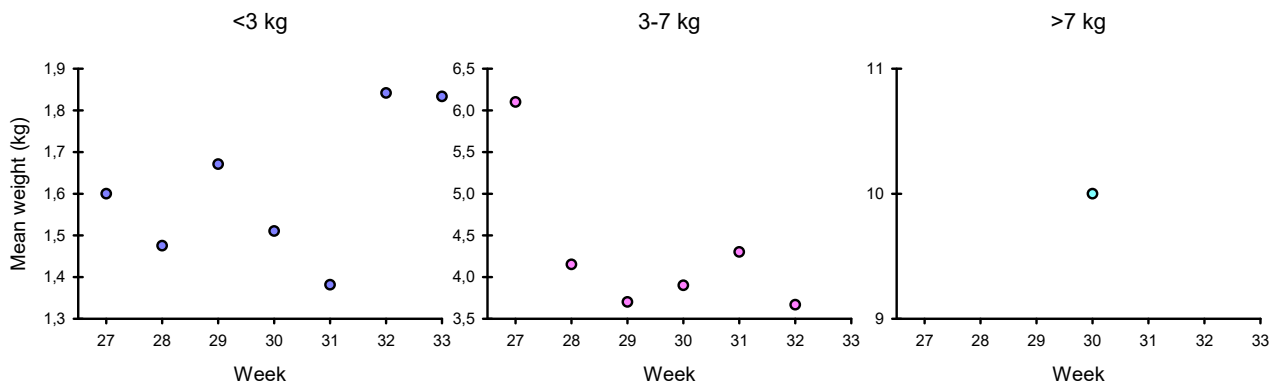


Figure 100. Weekly mean weights of salmon caught in the River Stordalselv (Berlevåg). Weekly catch data is combined in the years 2013-2020. Source: SSB

# 18. Salmon catches in the River Langfjordelv (Laggo)

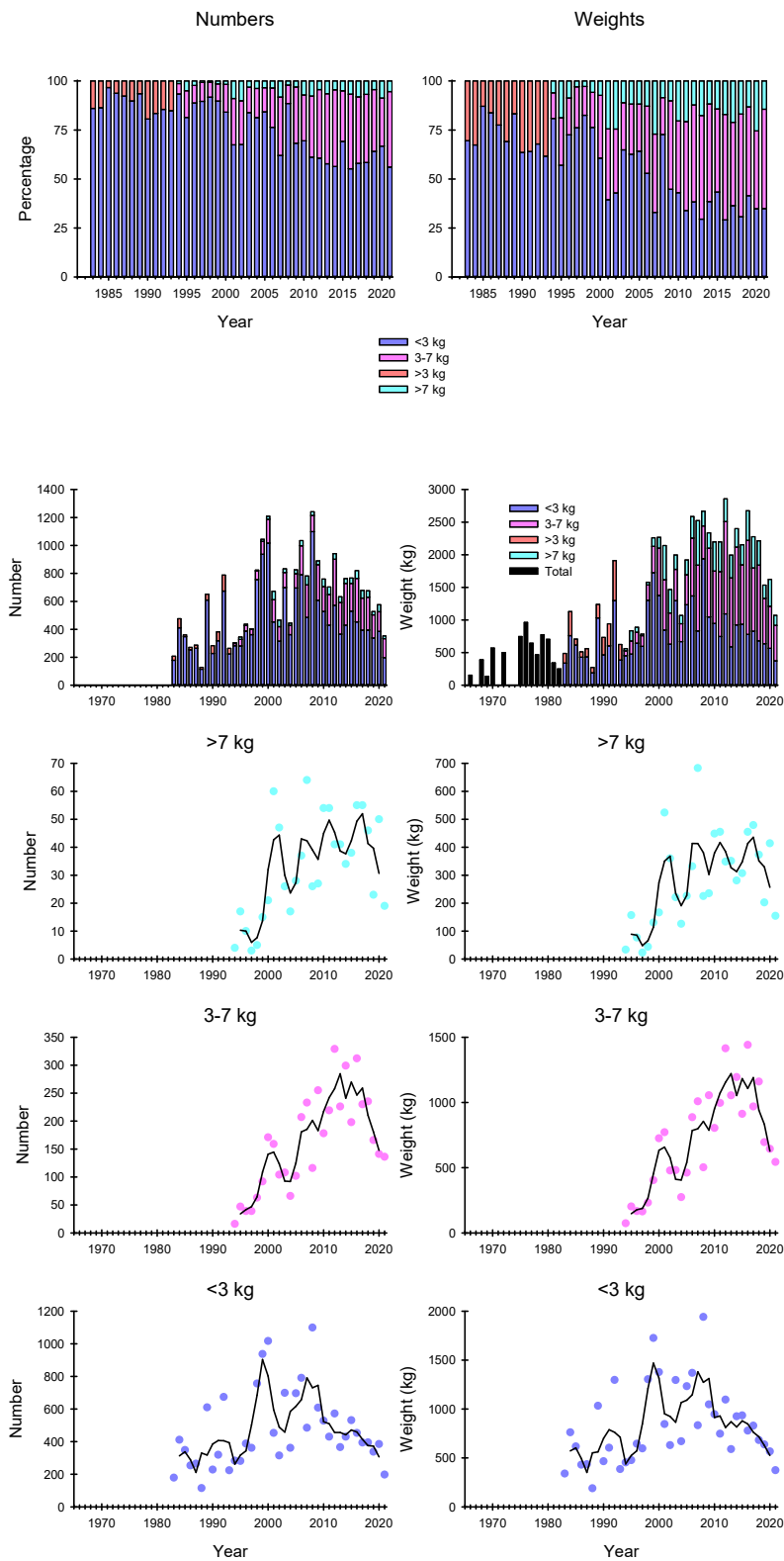


Figure 101. Salmon catches in numbers and weights in three weight groups in the River Langfjordelv. Source: SSB

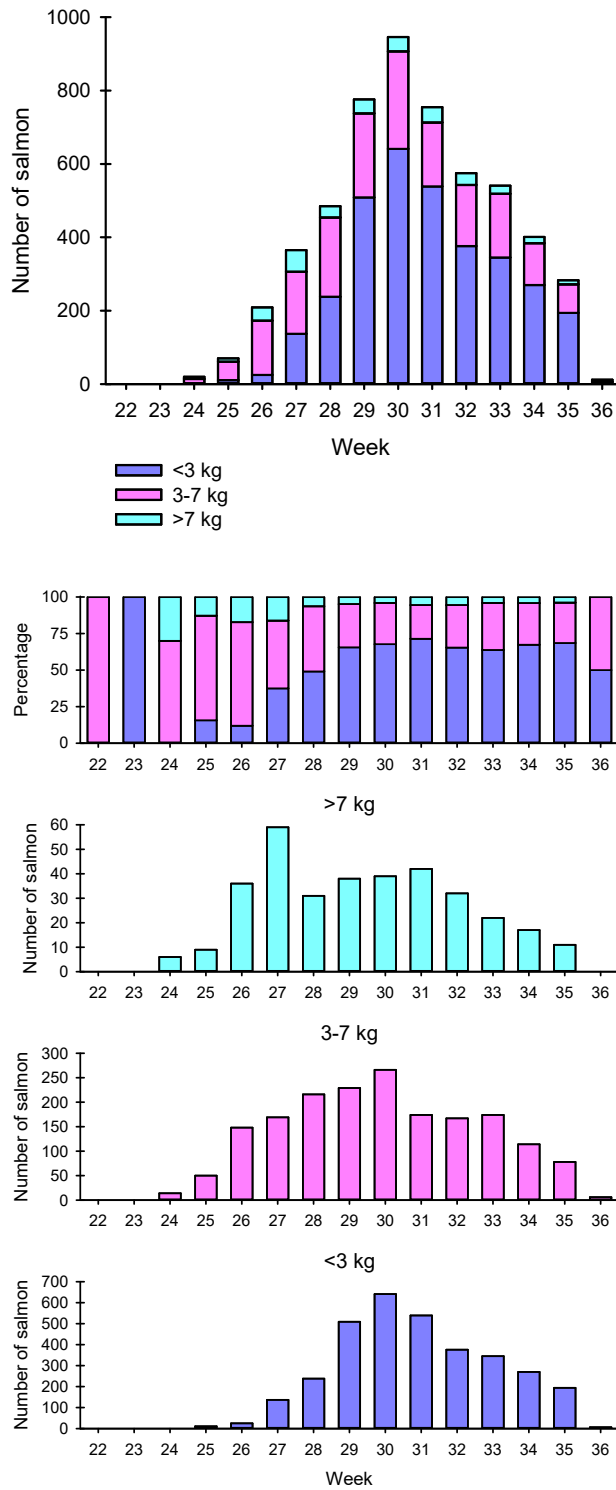


Figure 102. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Langfjordelv years 2010-2020 combined. Source: SSB

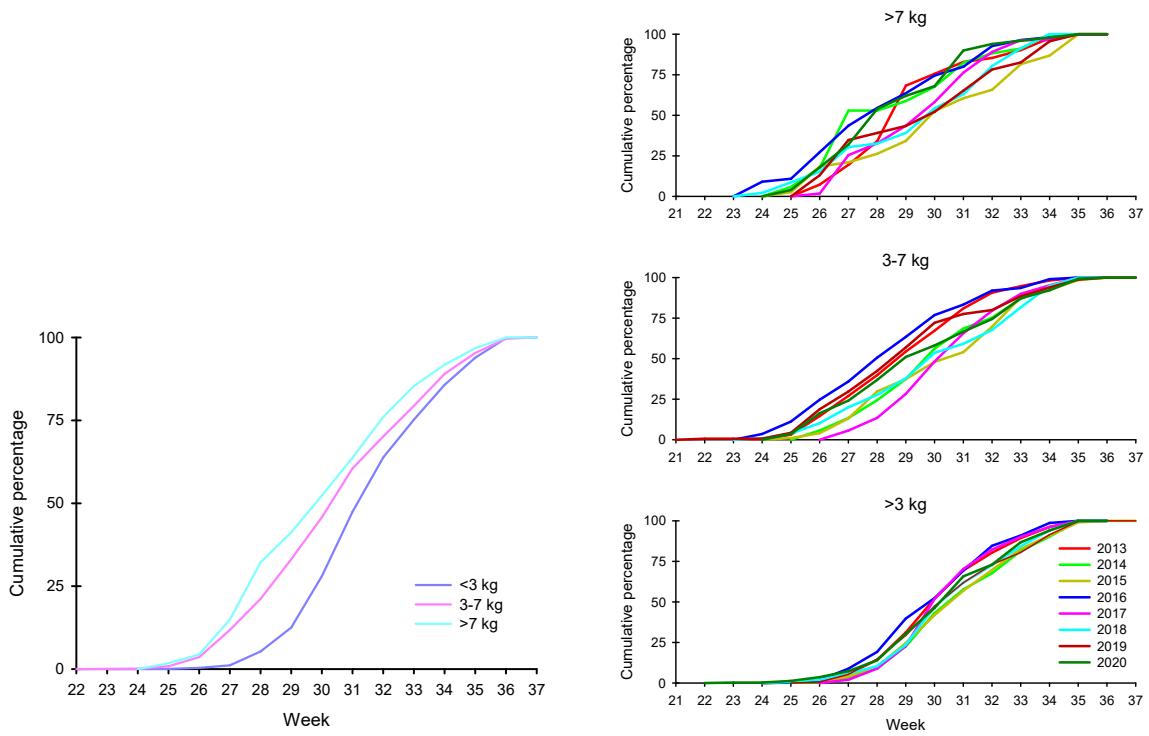


Figure 103. Cumulative catches for three weight groups of salmon in the River Langfjordelv years 2013-2020 combined (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon in the River Lakselv (figure on the right) (calculated from the weekly catches). Source: SSB

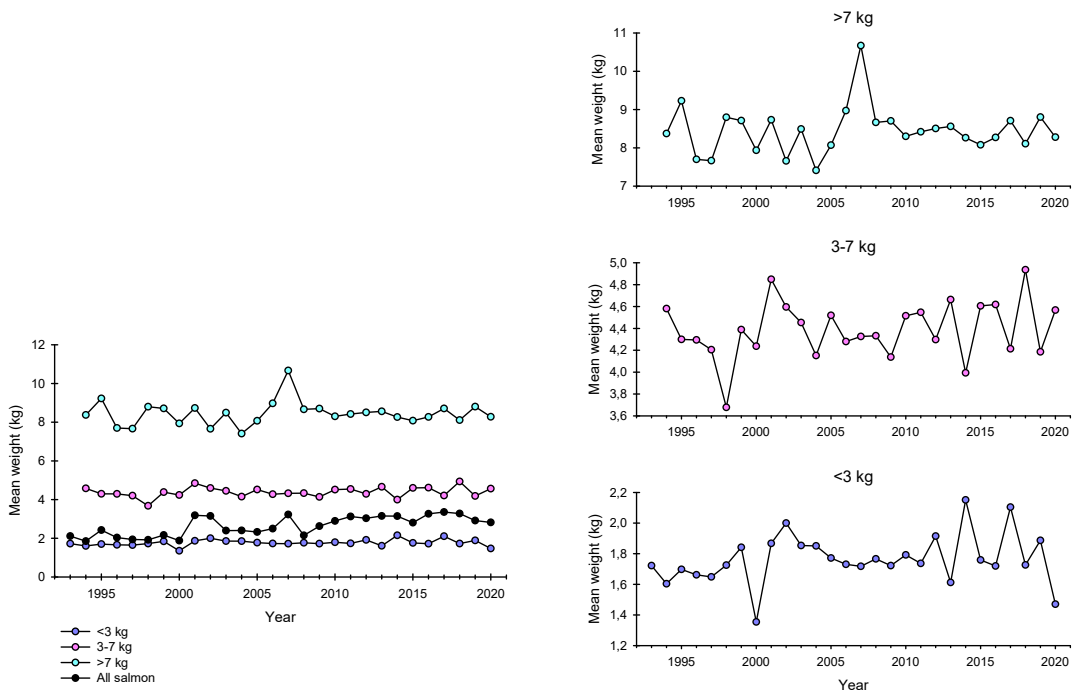


Figure 104. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Langfjordelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

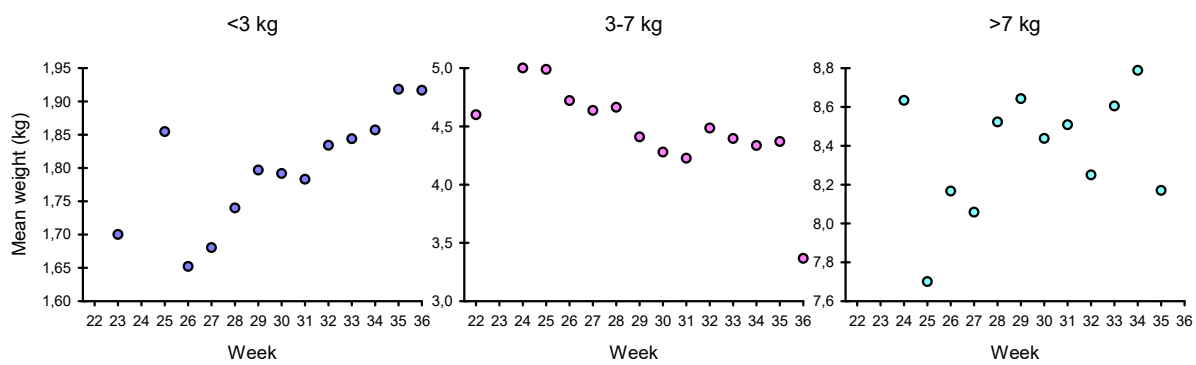


Figure 105. Weekly mean weights of salmon caught in the River Langfjordelv. Weekly catch data from the years 2013-2020 combined. Source: SSB

# 19. Salmon catches in the River Risfjordelv

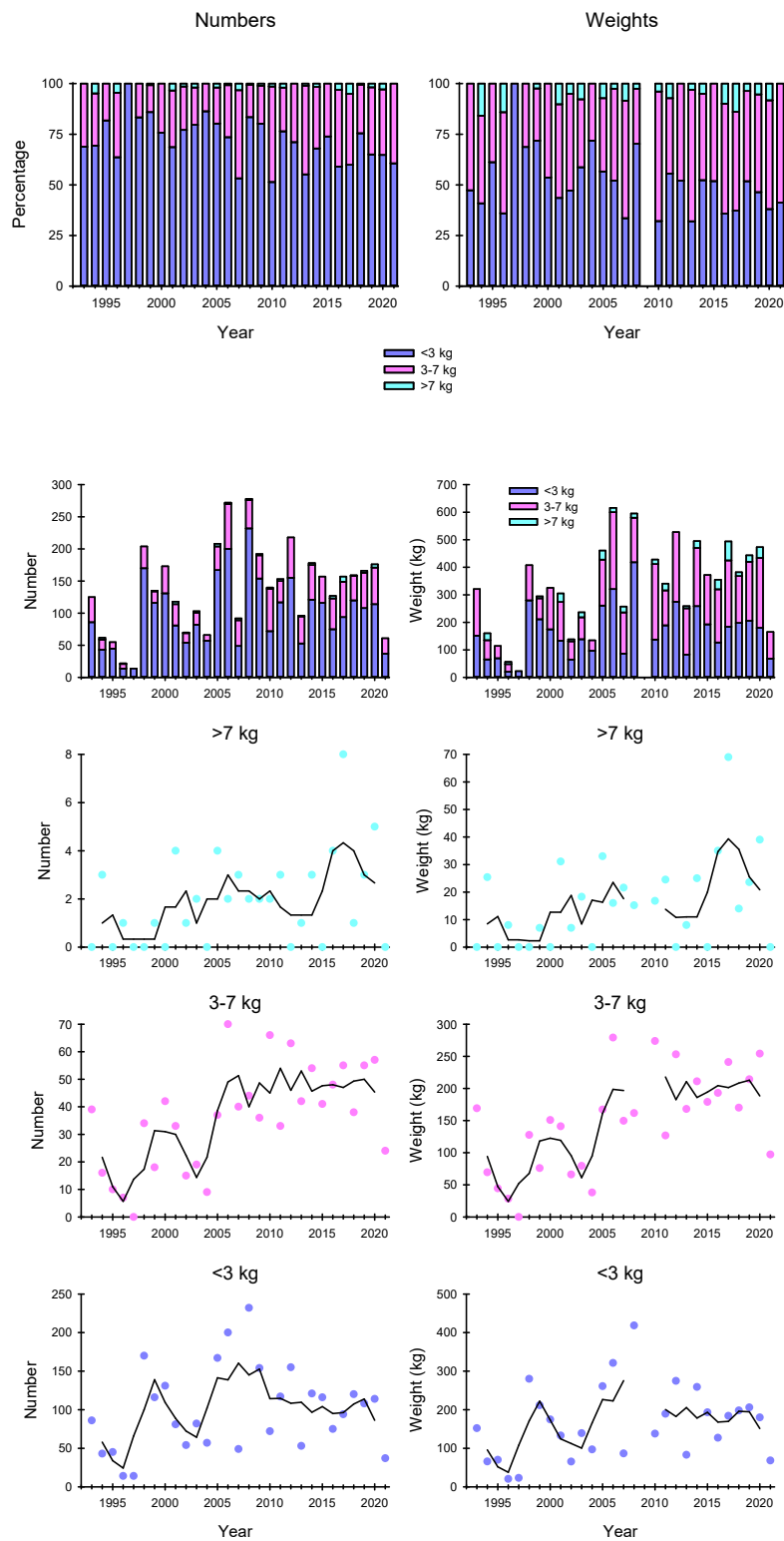


Figure 106. Salmon catches in numbers and weights in three weight groups in the River Risfjordelv. Source: SSB



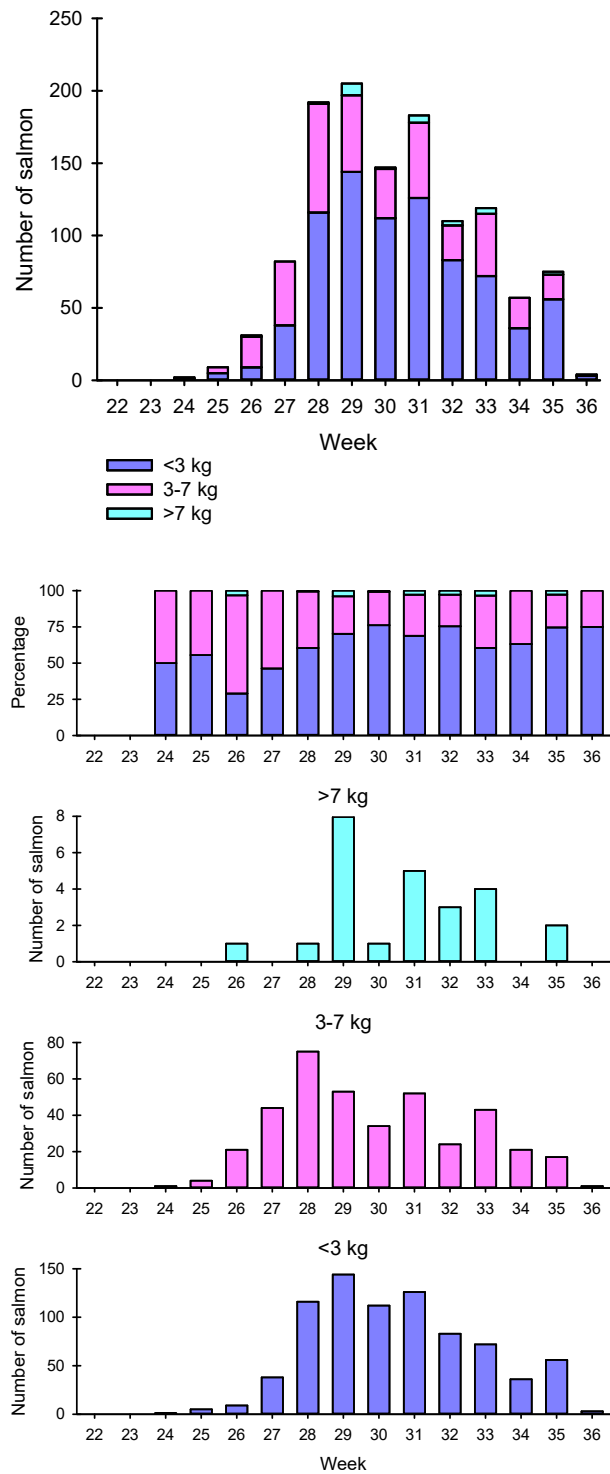


Figure 107. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Risfjordelv in the years 2013-2020. Source: SSB

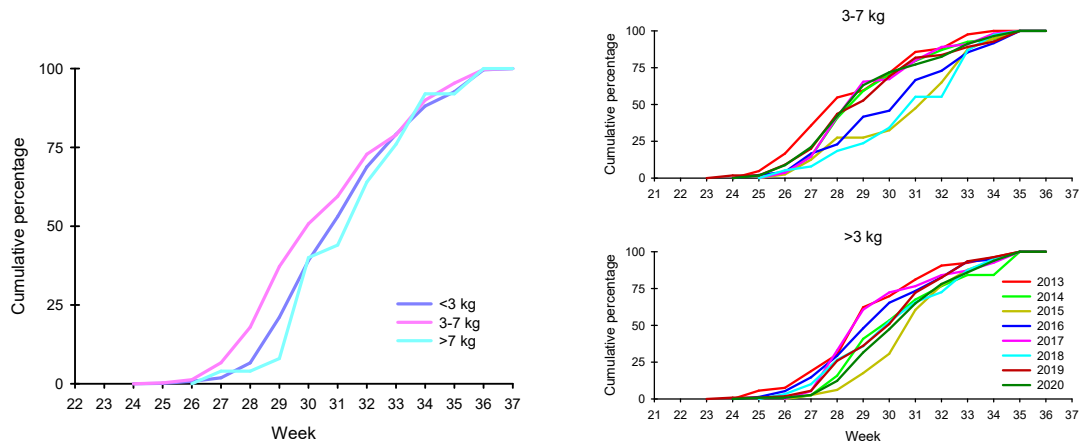


Figure 108. Cumulative catches for three weight groups of salmon in the River Risfjordelv in the years 2013-2020 (calculated from the weekly catches) and annual cumulative catches for two weight groups of salmon (calculated from the weekly catches). Source: SSB

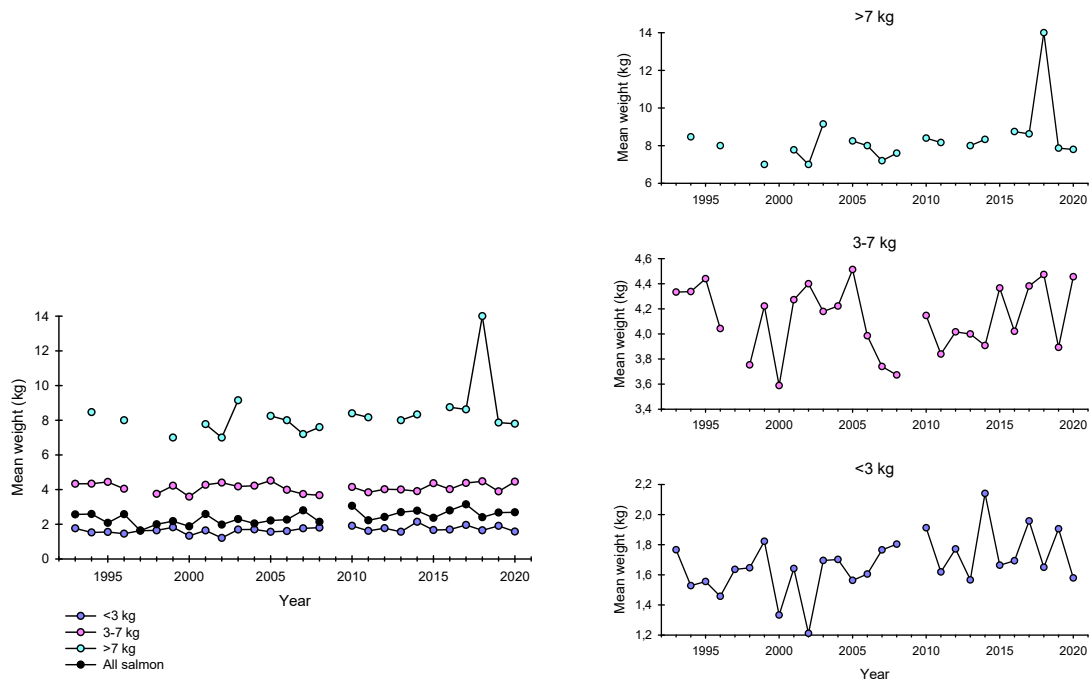


Figure 109. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Risfjordelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

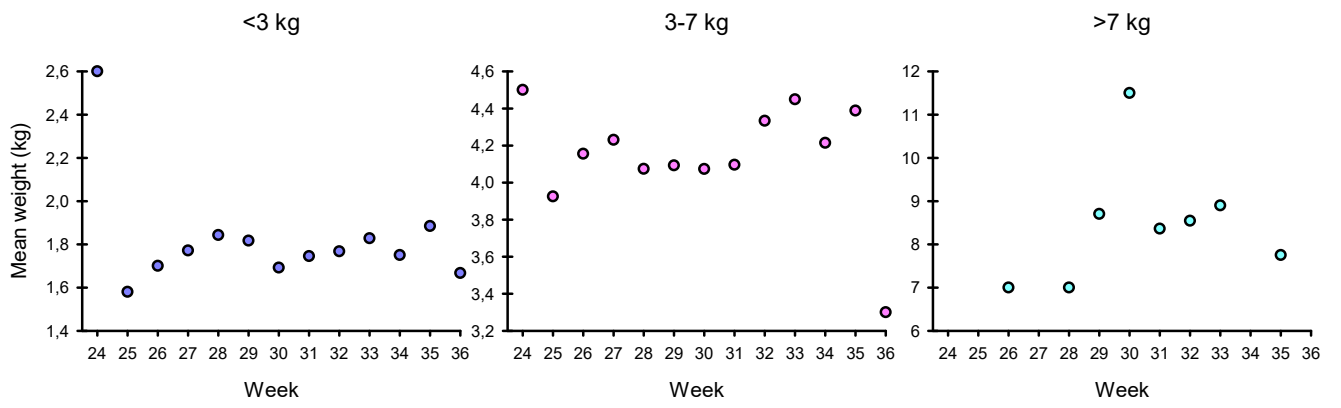


Figure 110. Weekly mean weights of salmon caught in the River Risfjordelva. Weekly catch data is combined in the years 2013-2020. Source: SSB

## 20. Salmon catches in the River Sandfjordelv (Gamvik)

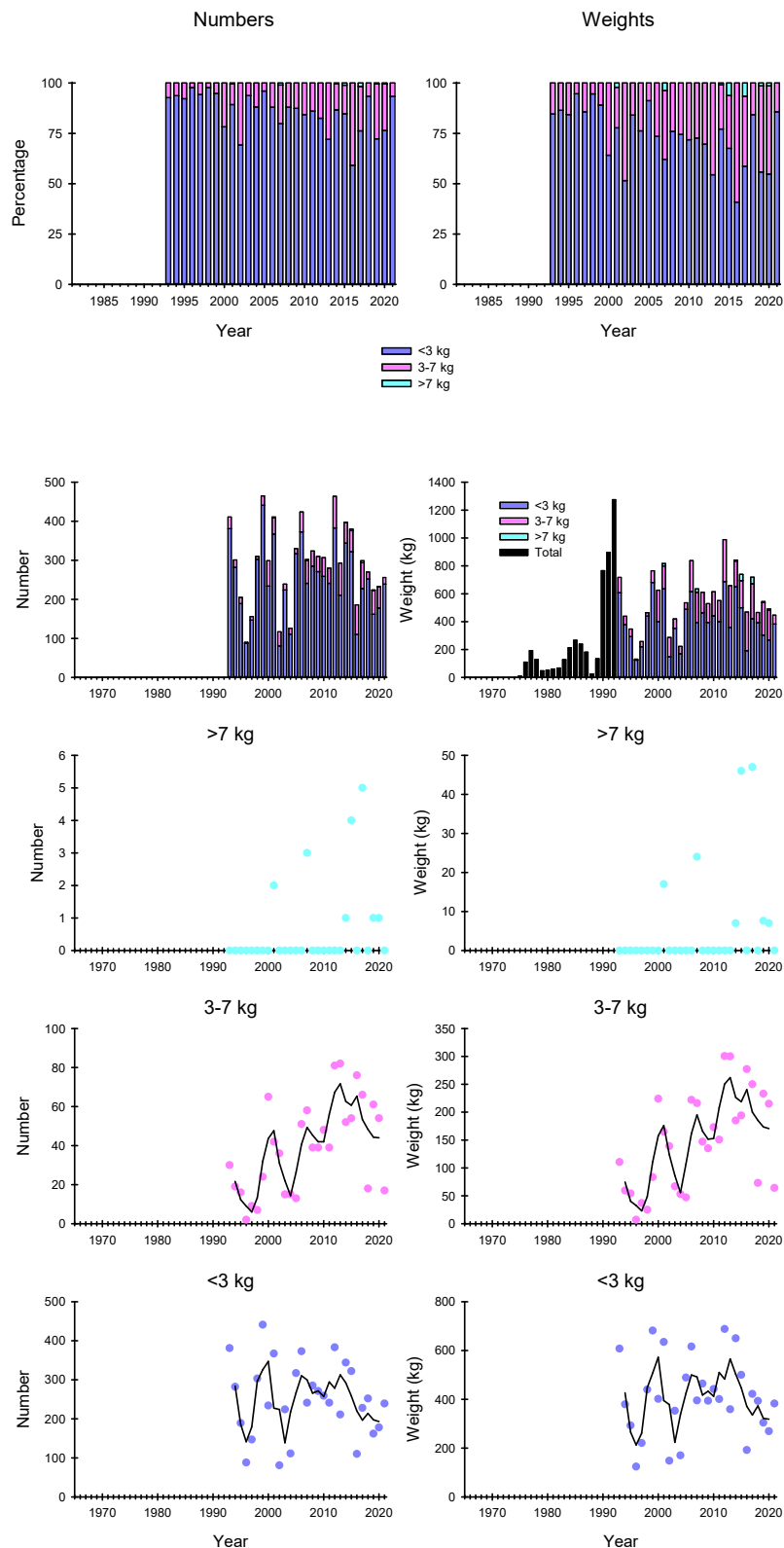


Figure 111. Salmon catches in numbers and weights in three weight groups in the River Sandfjordelv (Gamvik). Source: SSB

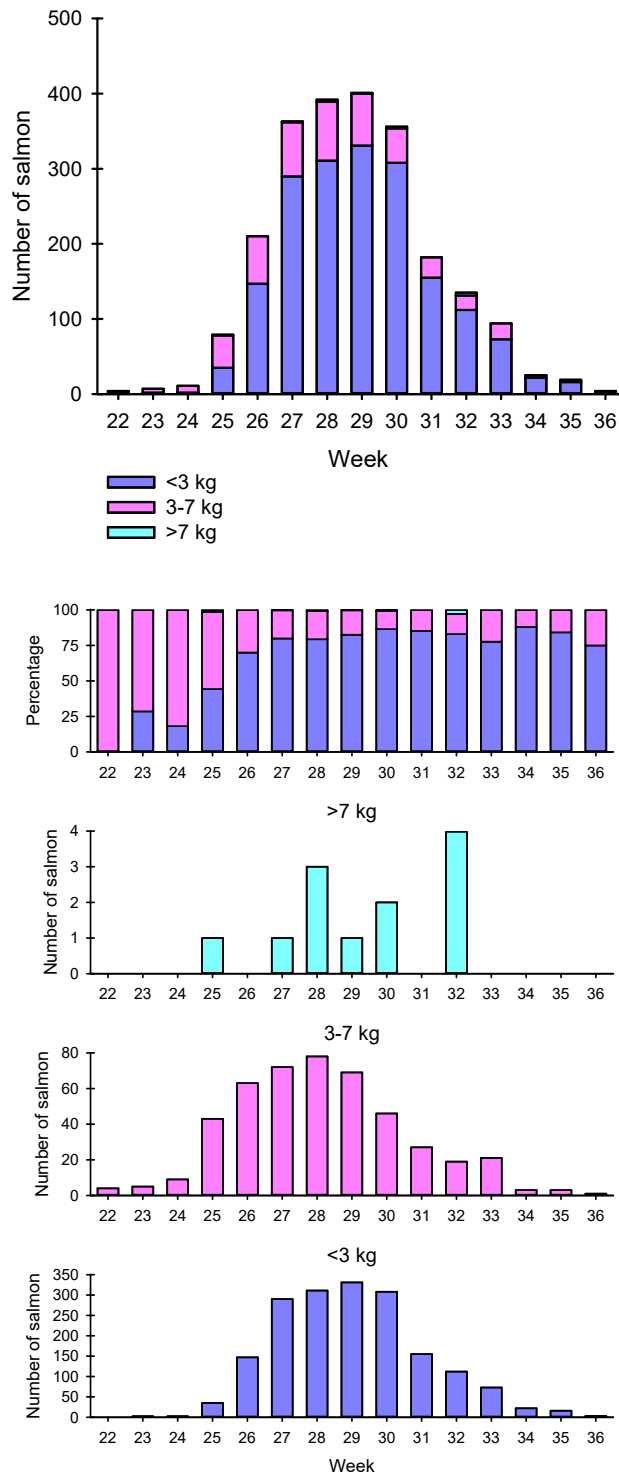


Figure 112. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Sandfjordelv (Gamvik) (years 2013-2020 combined). Source: SSB

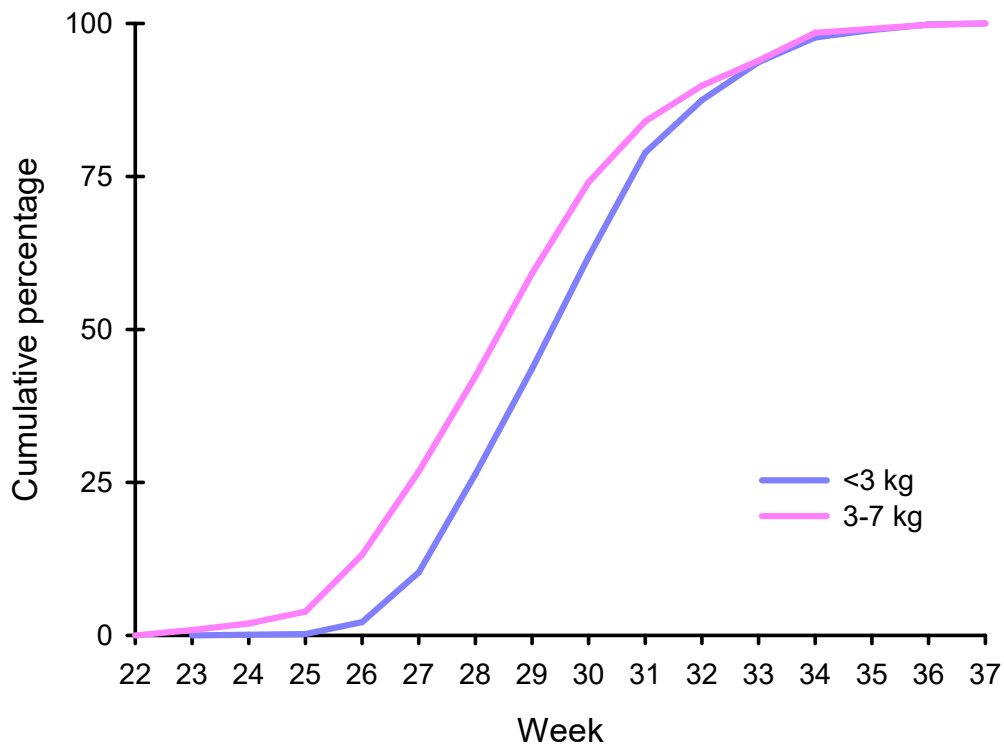


Figure 113. Cumulative catches for two weight groups of salmon in the River Sandfjordelv (Gamvik) in the years 2013-2020 (calculated from the weekly catches). Source: SSB

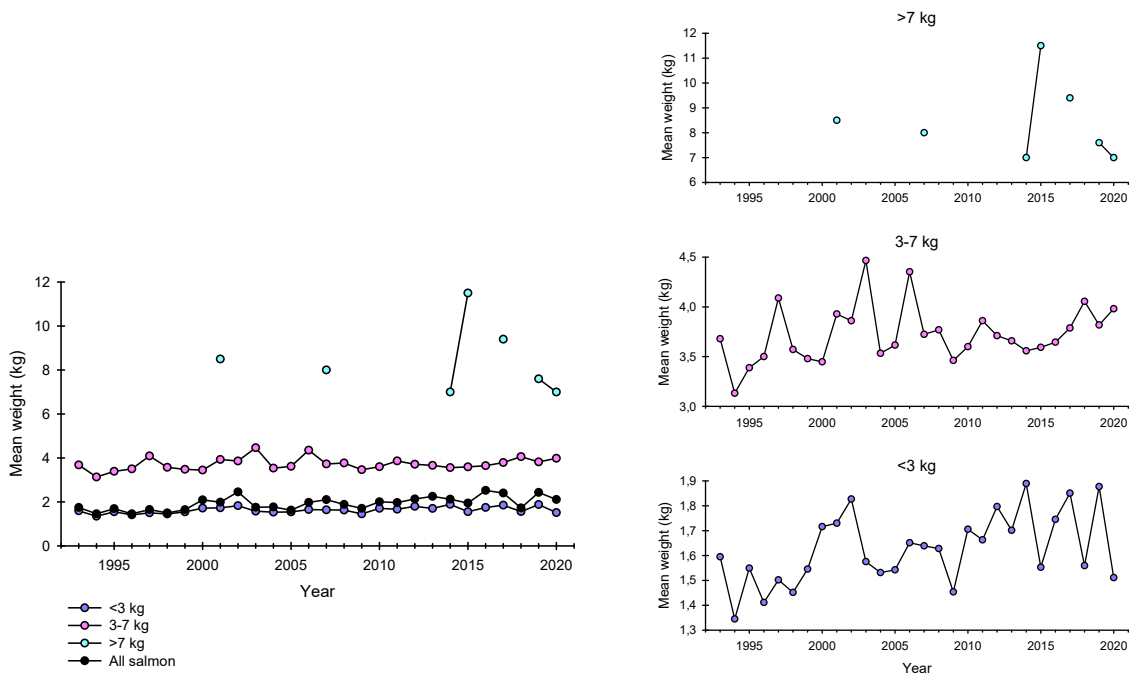


Figure 114. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Sandfjordelv (Gamvik) (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

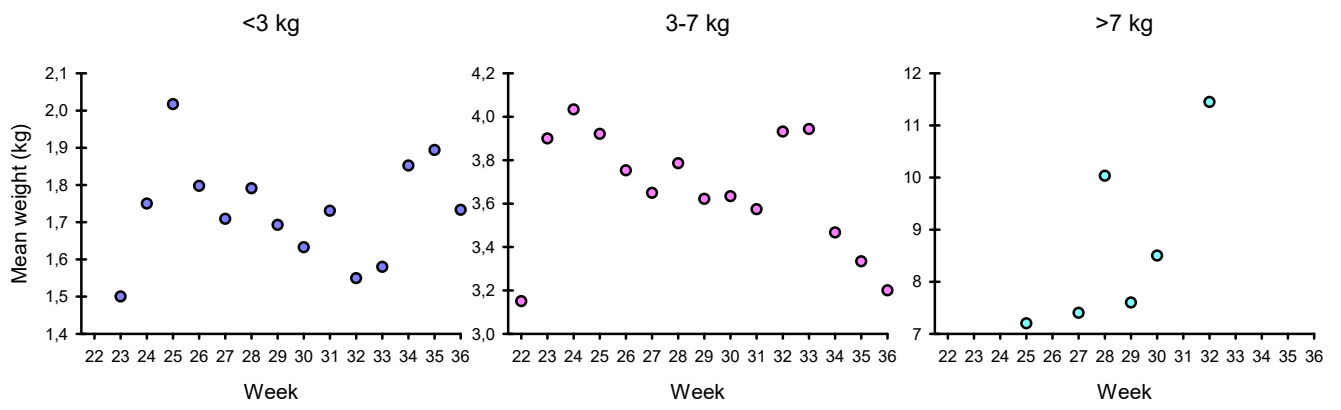


Figure 115. Weekly mean weights of salmon caught in the River Sandfjordelv (Gamvik). Weekly catch data is combined in the years 2013-2020. Source: SSB

## 21. Salmon catches in the River Storelv (Lebesby)

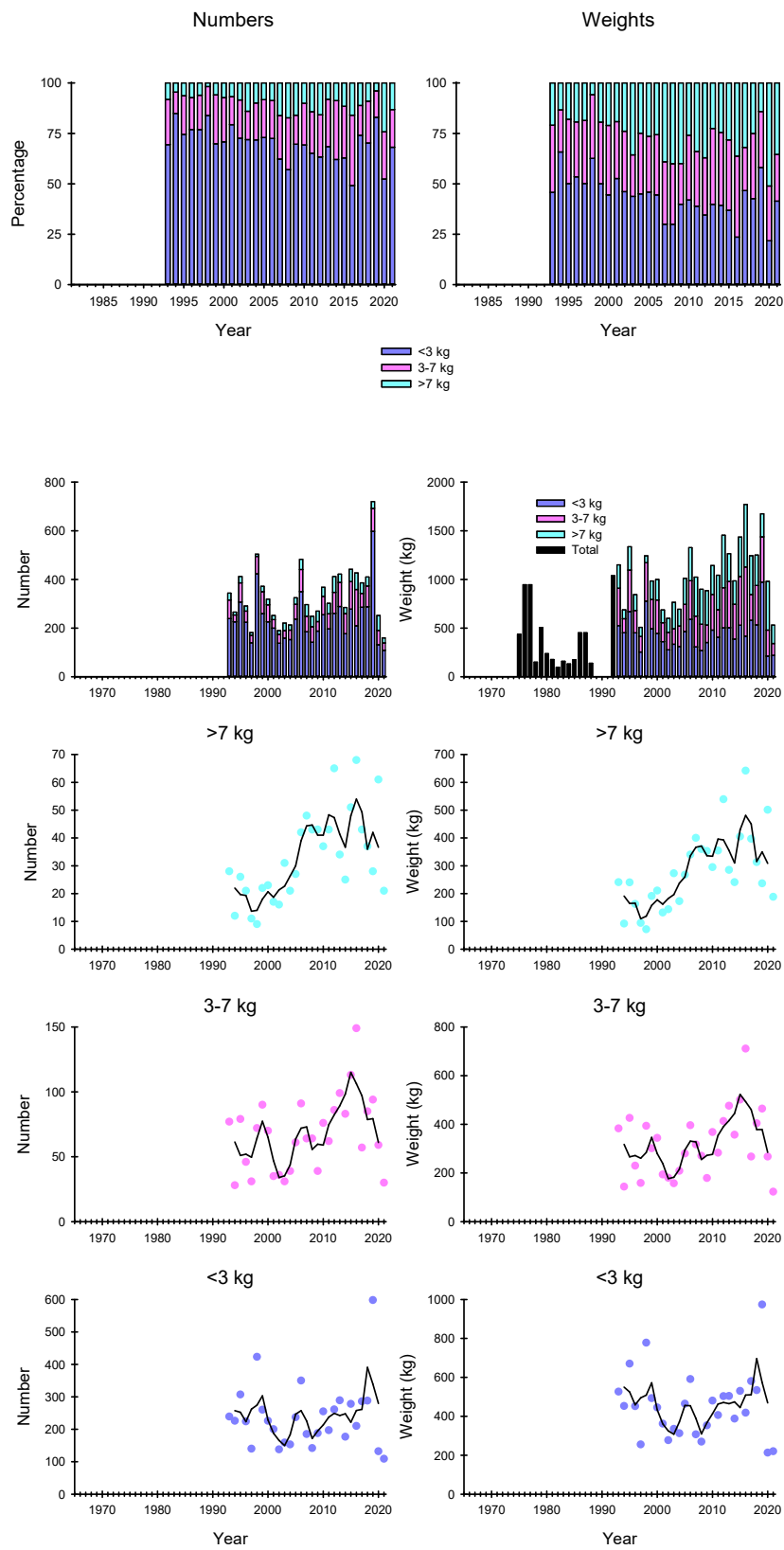


Figure 116. Salmon catches in numbers and weights in three weight groups in the River Storelv (Lebesby). Source: SSB



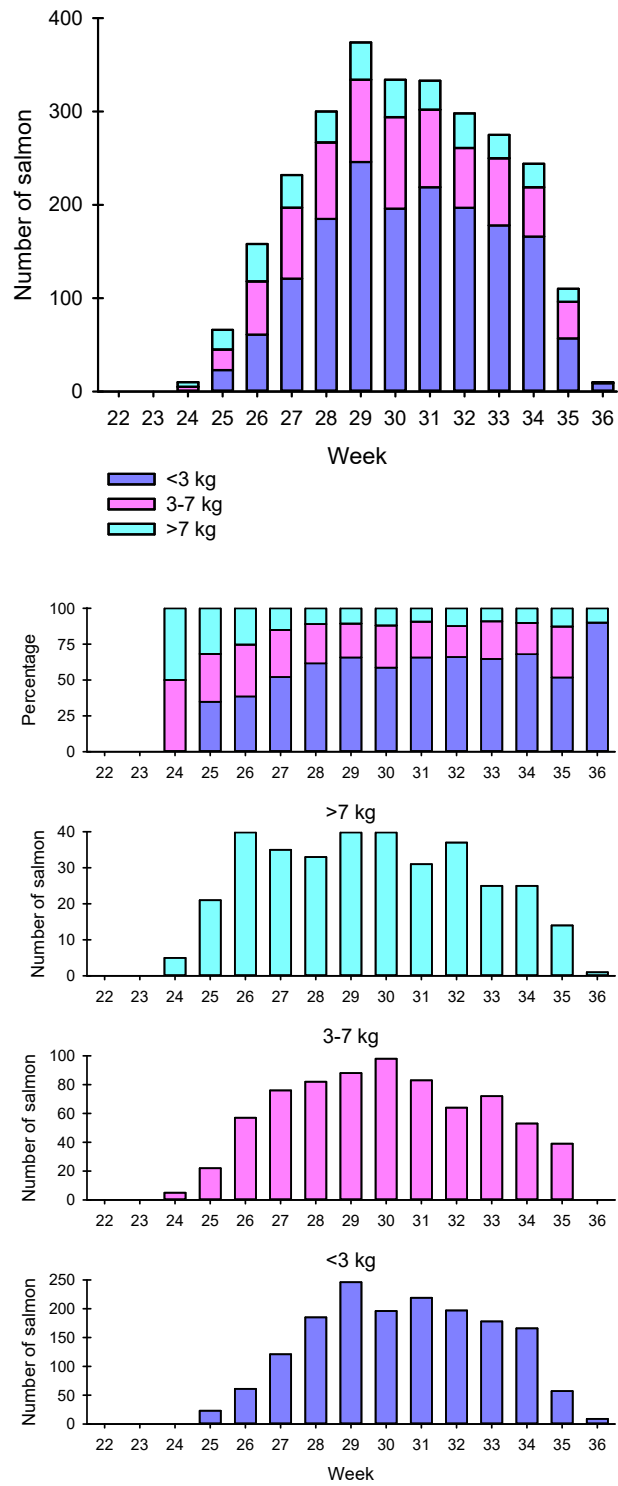


Figure 117. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Storelv (Lebesby) in the years 2013-2020. Source: SSB

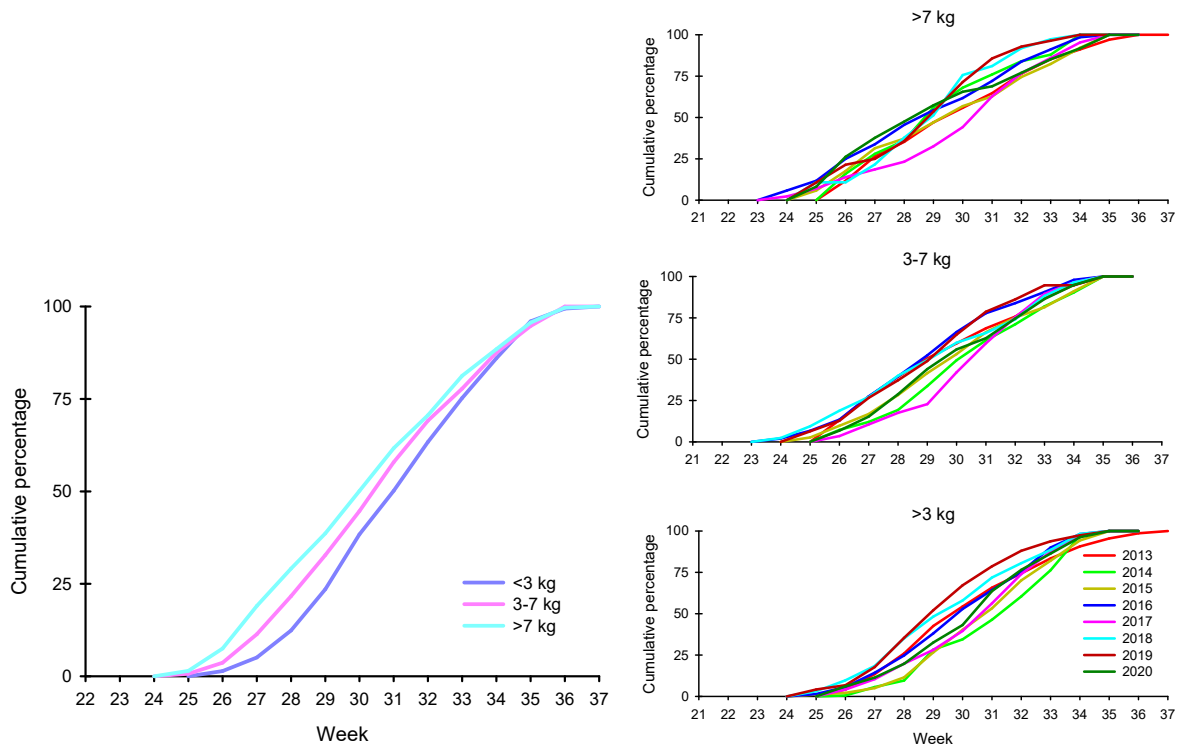


Figure 118. Cumulative catches for three weight groups of salmon in the River Storelv (Lebesby) in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the weekly catch). Source: SSB

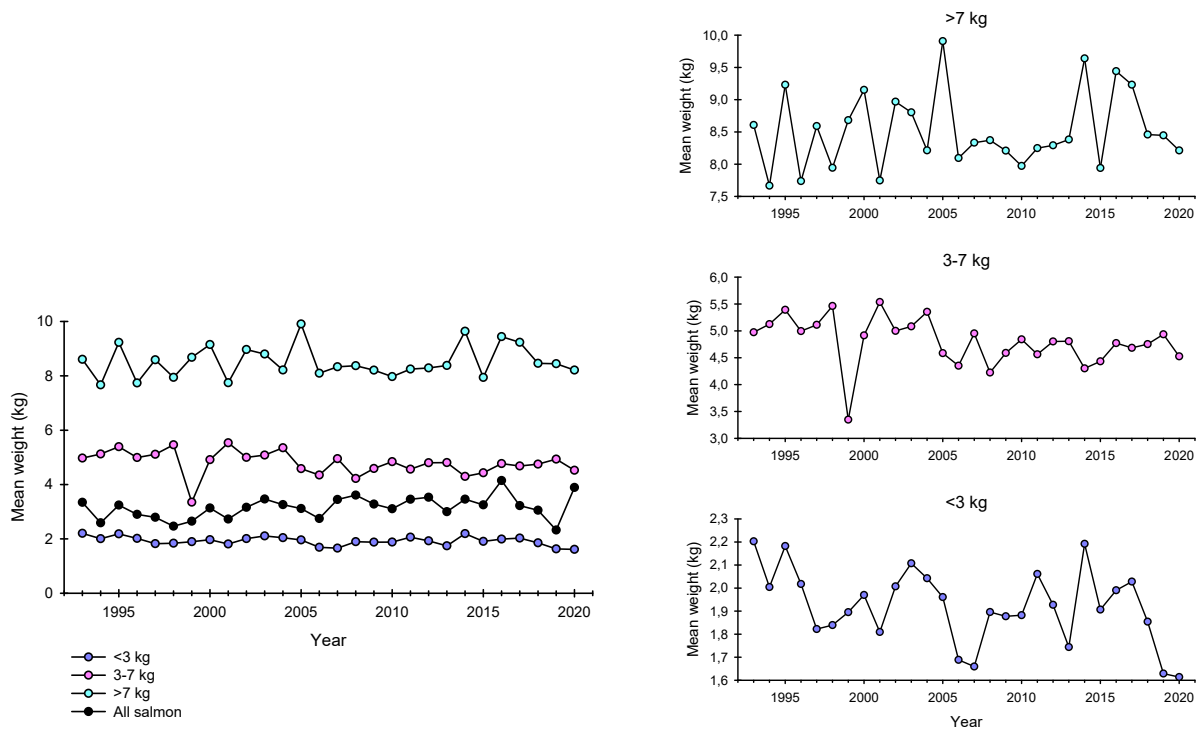


Figure 119. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Storelv (Lebesby) (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

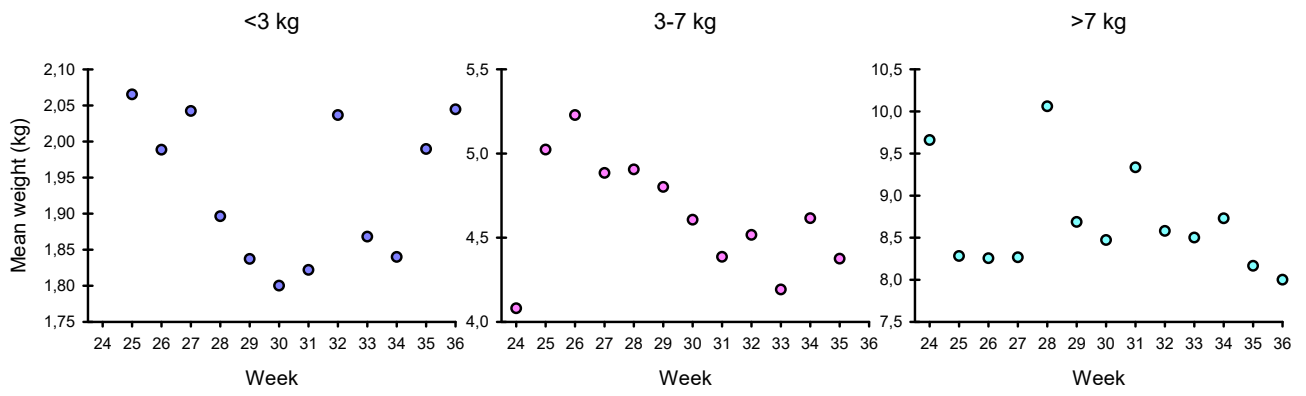


Figure 120. Weekly mean weights of salmon caught in the River Storelv (Lebesby). Weekly catch data is combined in the years 2013-2020.

## 22. Salmon catches in the River Veidneselv

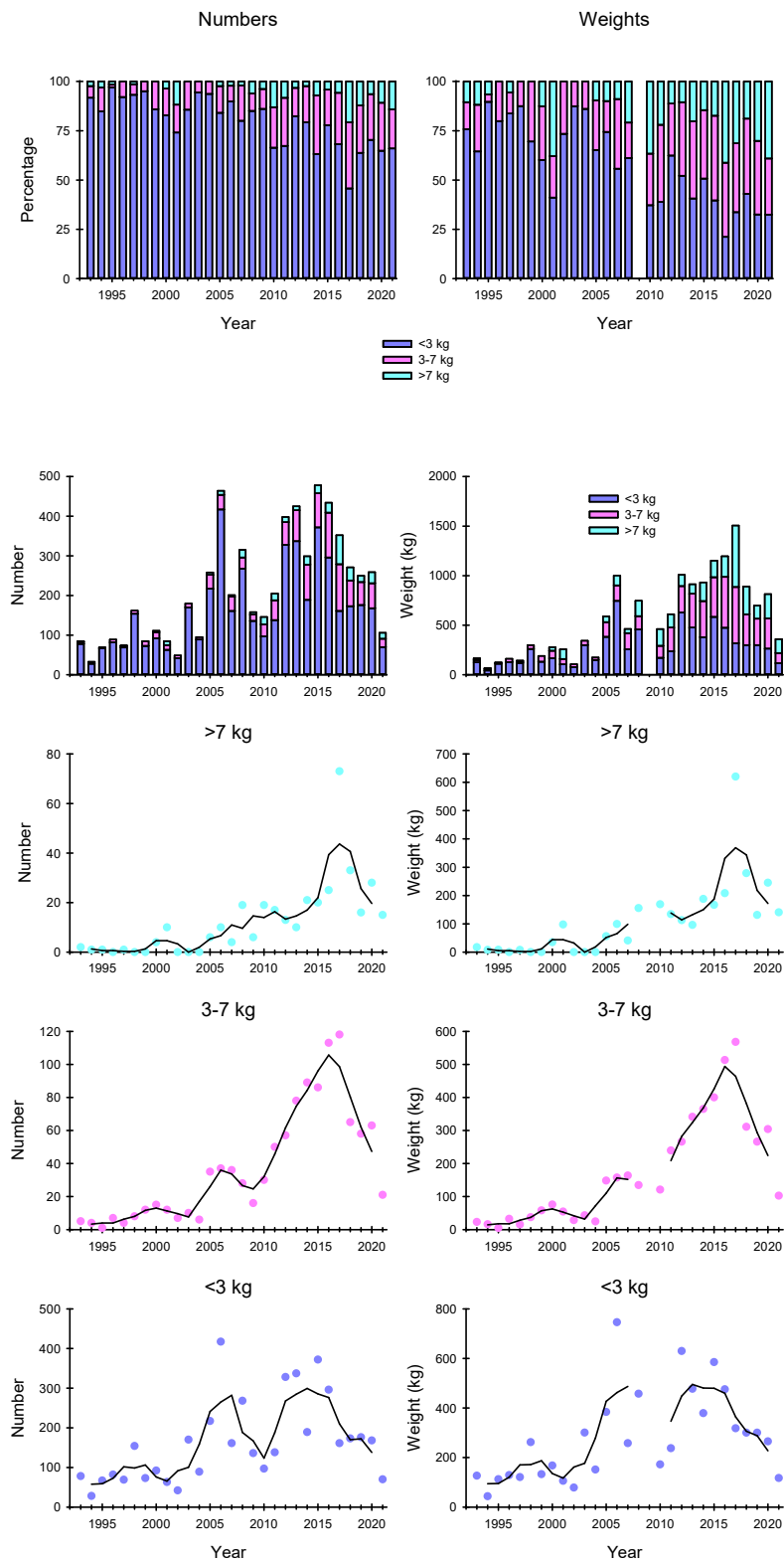


Figure 121. Salmon catches in numbers and weights in three weight groups in the River Veidneselva. Source: SSB

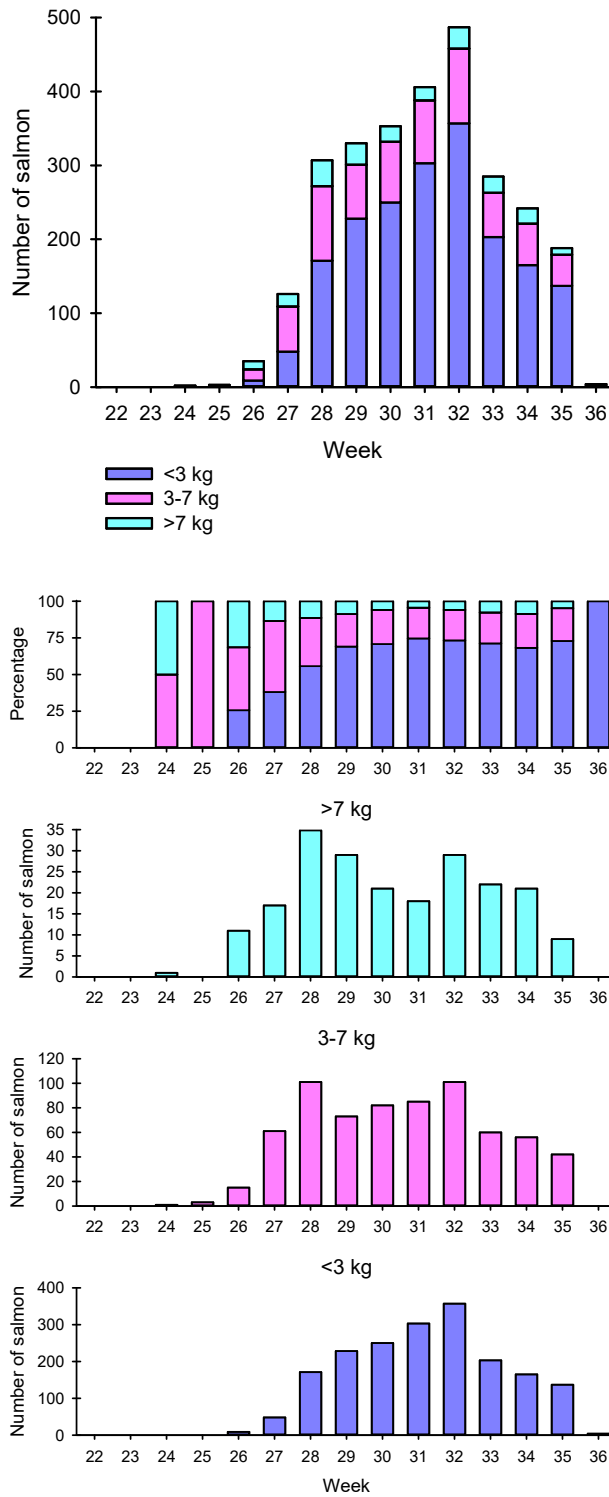


Figure 122. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Veidneselv in the years 2013-2020. Source: SSB

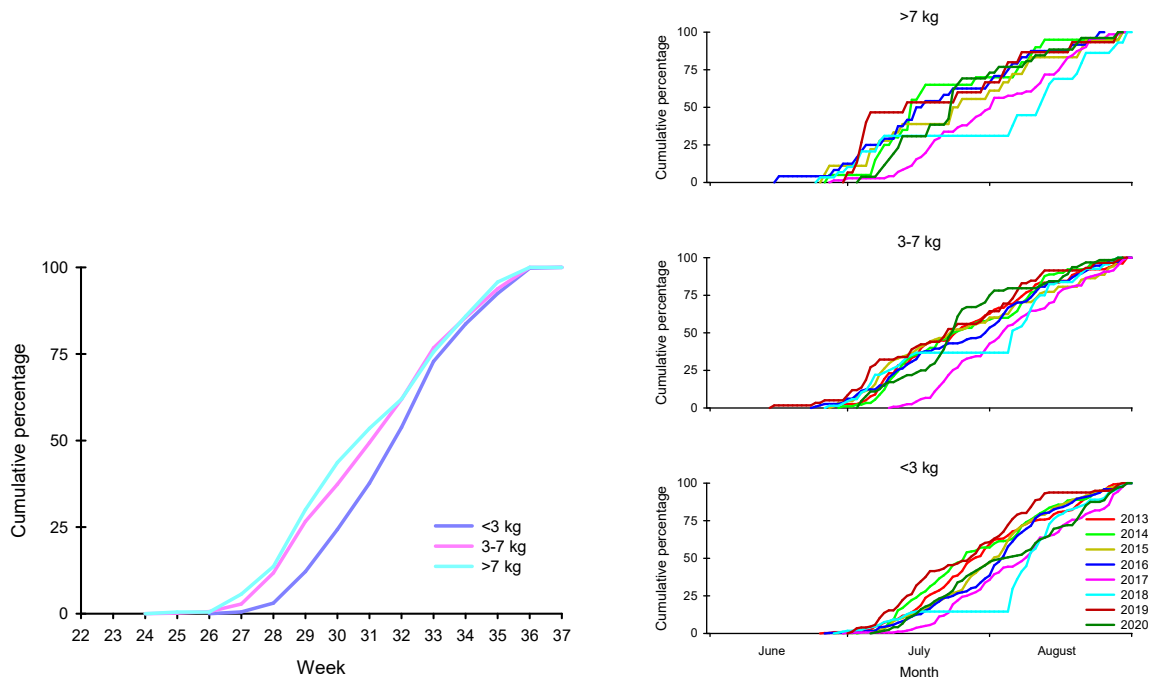


Figure 123. Cumulative catches for three weight groups of salmon in the River Veidneselv in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the daily catches). Source: SSB

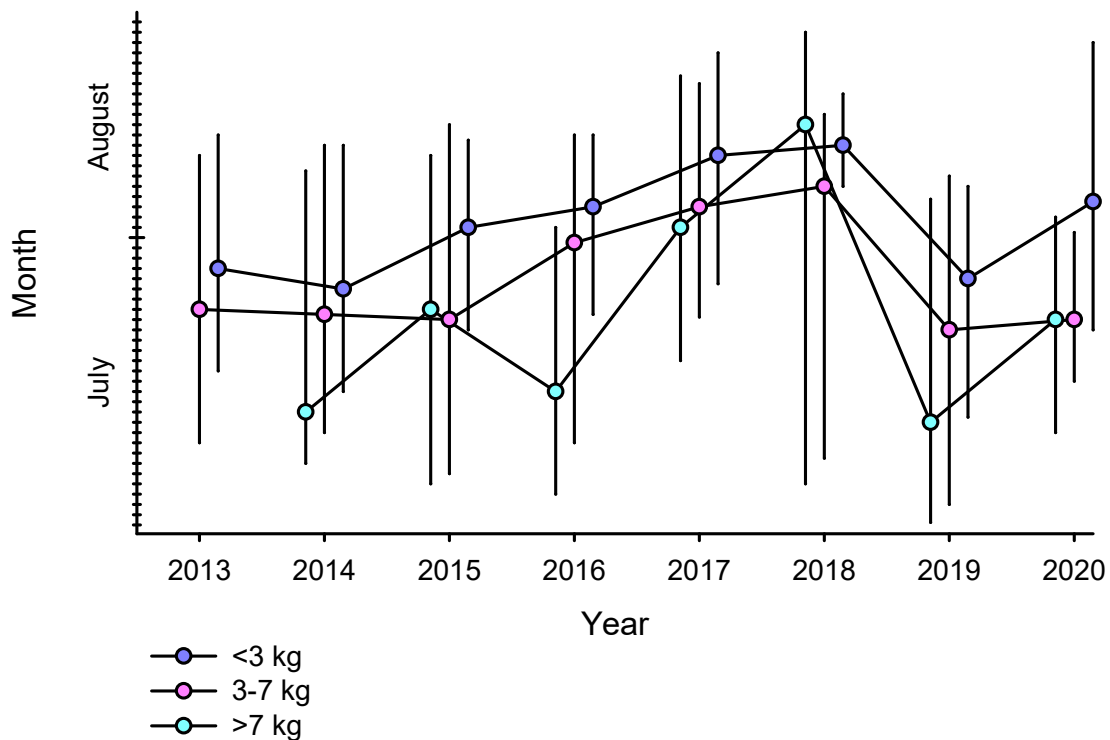


Figure 124. Median dates of capture with upper and lower quartiles for three weight groups of salmon in the River Veidneselv (calculated from the daily catches). Source: SSB

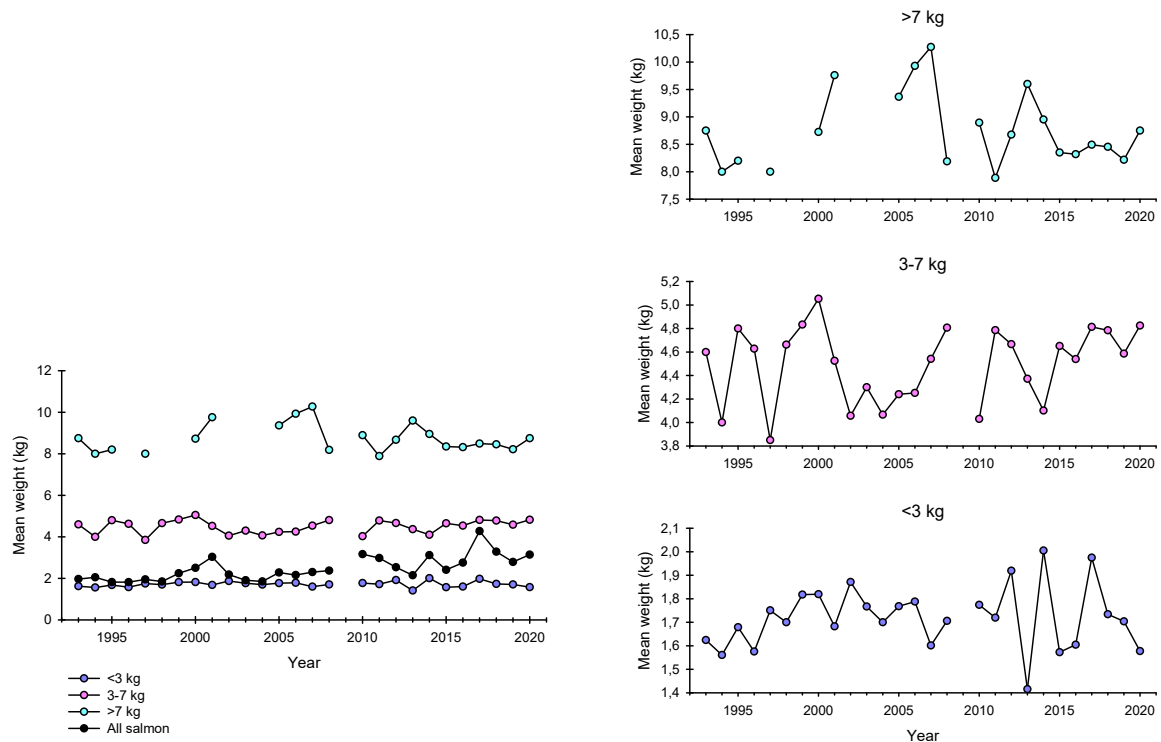


Figure 125. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Veidneselv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

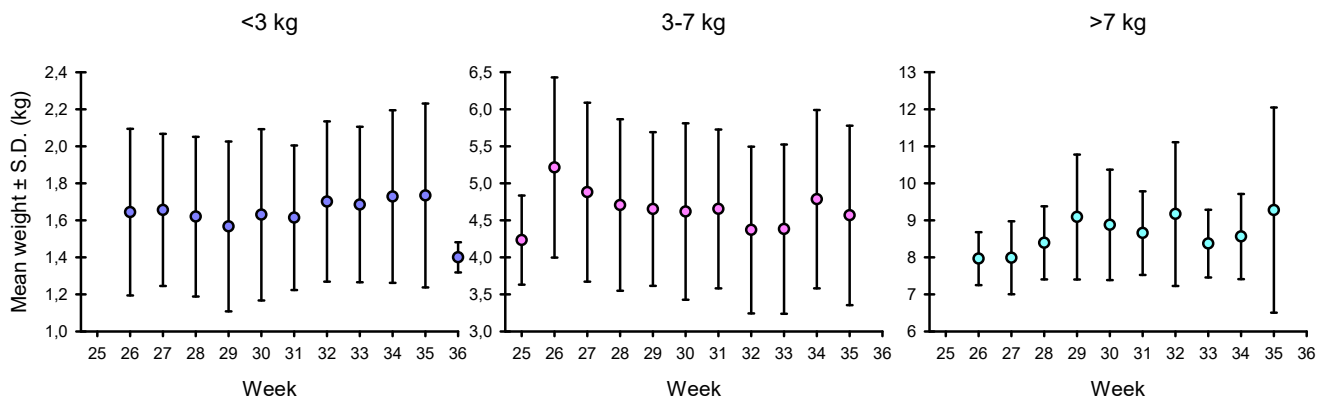


Figure 126. Weekly mean weights of salmon caught in the River Veidneselv. Weekly catch data is combined in the years 2013-2020. Source: SSB

## 23. Salmon catches in the River Lille Porsangerelv

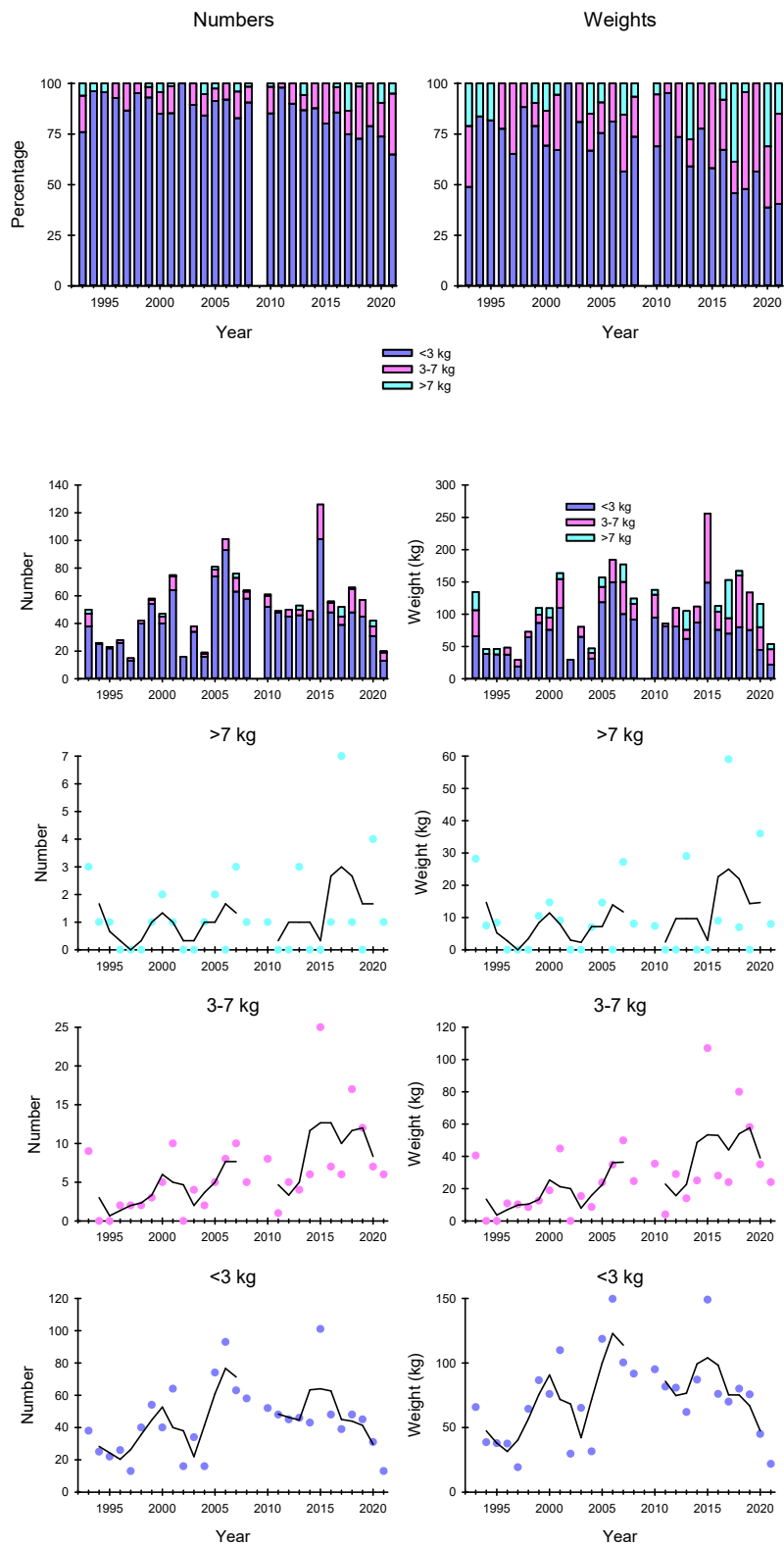


Figure 127. Salmon catches in numbers and weights in three weight groups in the River Lille Porsangerelv. Source: SSB



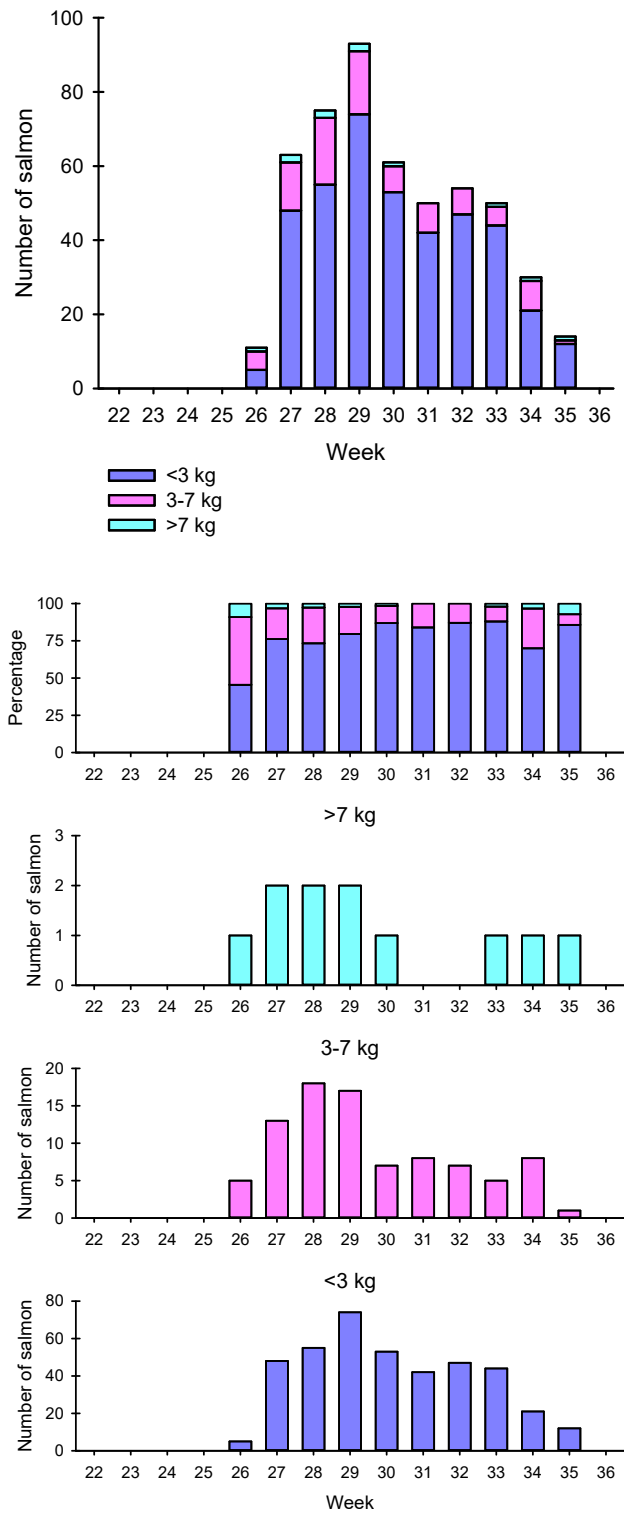


Figure 128. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Lille Porsangerelv in the years 2013-2020. Source: SSB

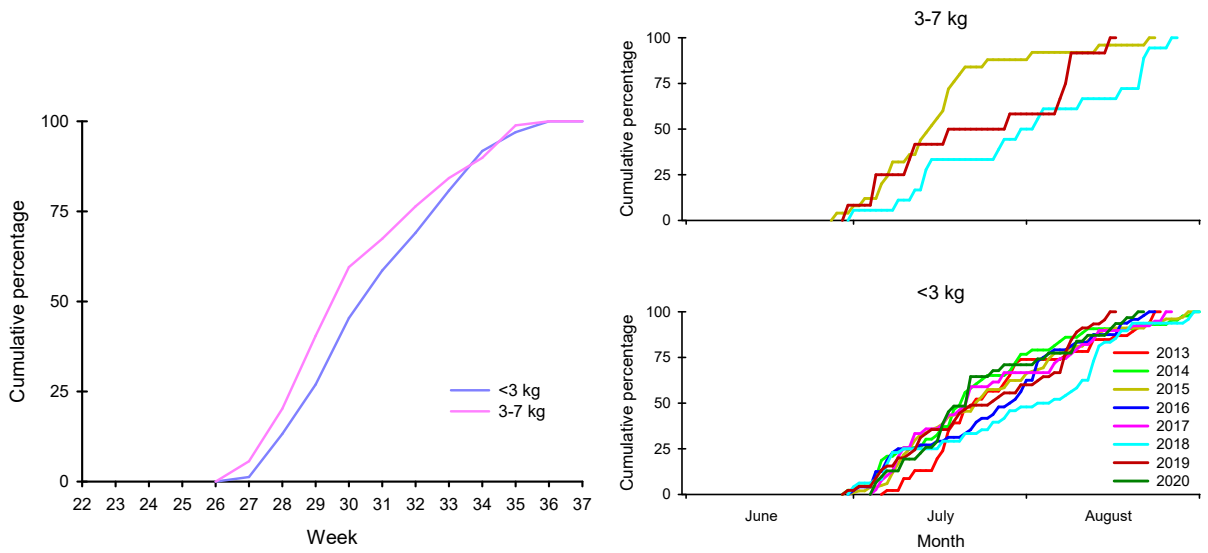


Figure 129. Cumulative catches for two weight groups of salmon in the River Lille Porsangerelv in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for two weight groups (figure on the right) (calculated from the daily catches). Source: SSB

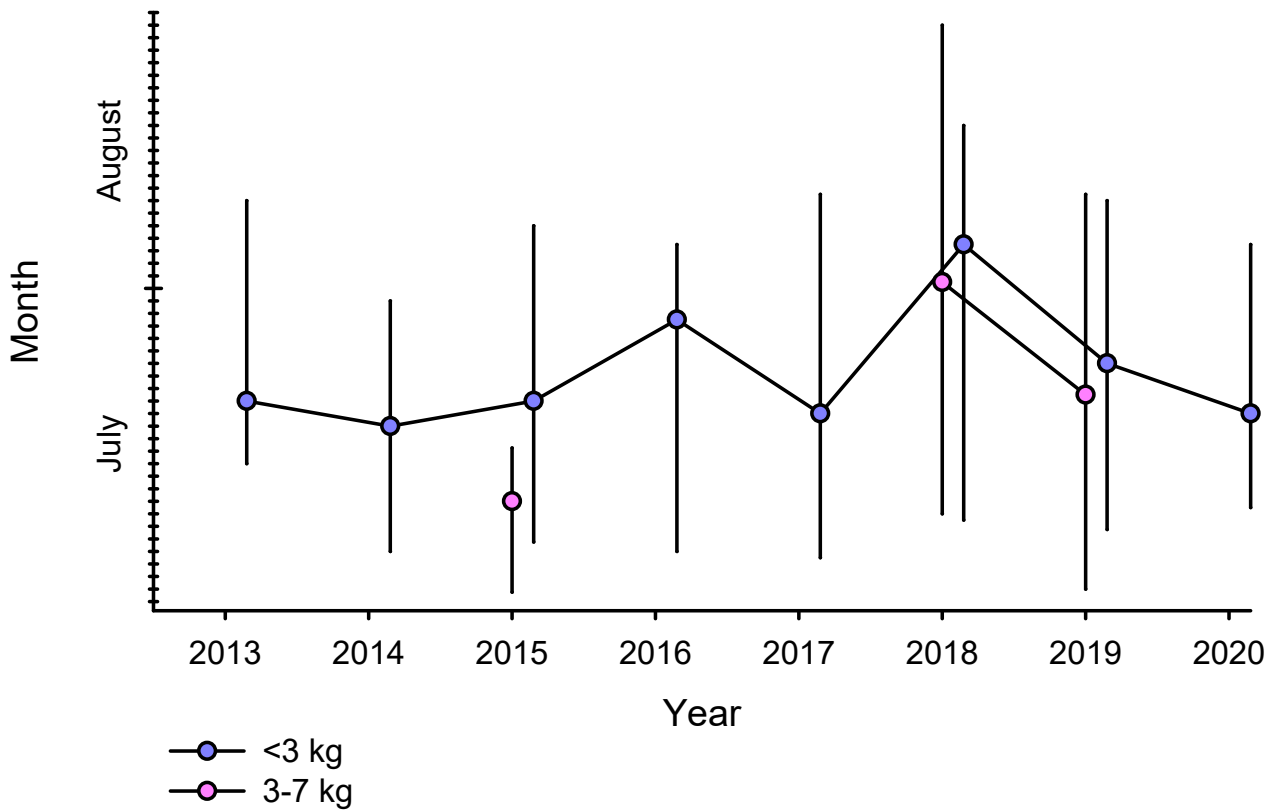


Figure 130. Median dates with upper and lower quartiles of capture for two weight groups of salmon in the River Lille Porsangerelv (counted from the daily catches). Source: SSB

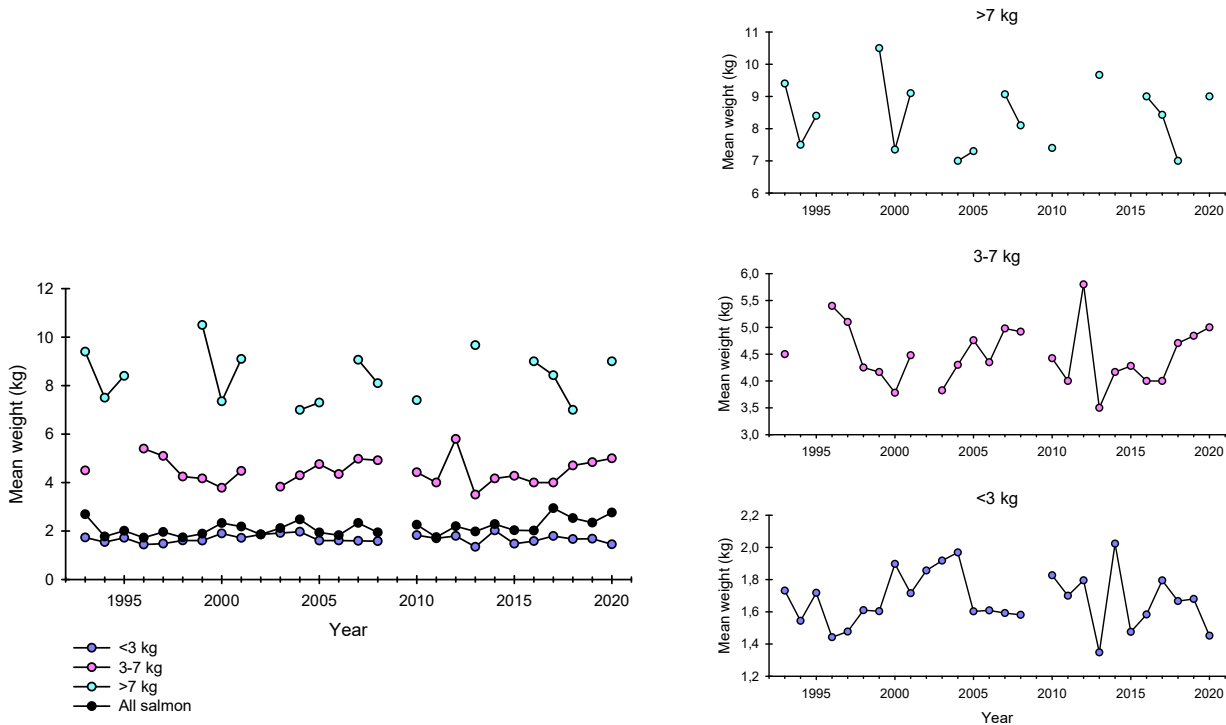


Figure 131. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Lille Porsangerelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

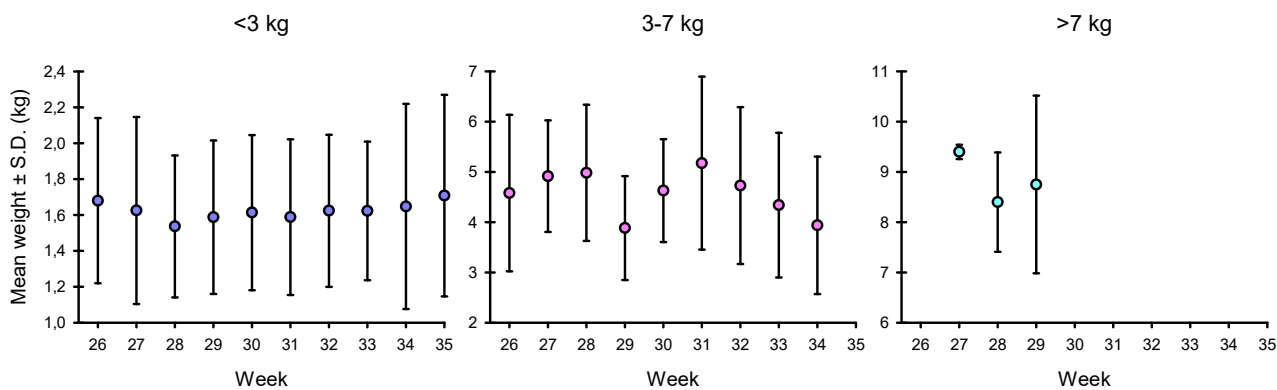


Figure 132. Weekly mean weights of salmon caught in the River Lille Porsangerelv. Weekly catch data is combined in the years 2013-2020. Source: SSB

## 24. Salmon catches in the River Børselv

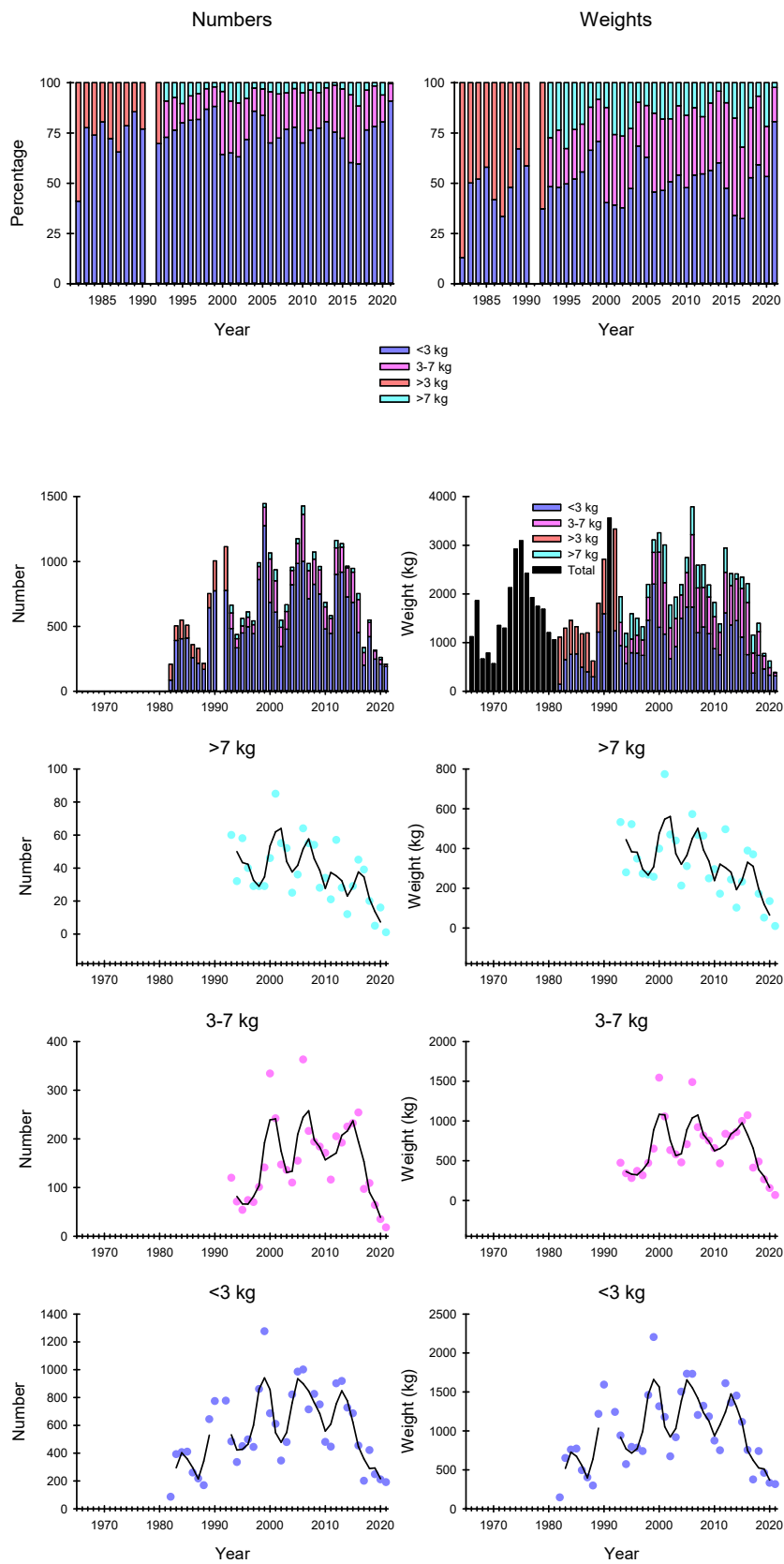


Figure 133. Salmon catches in numbers and weights in three weight groups in the River Børselv. Source: SSB

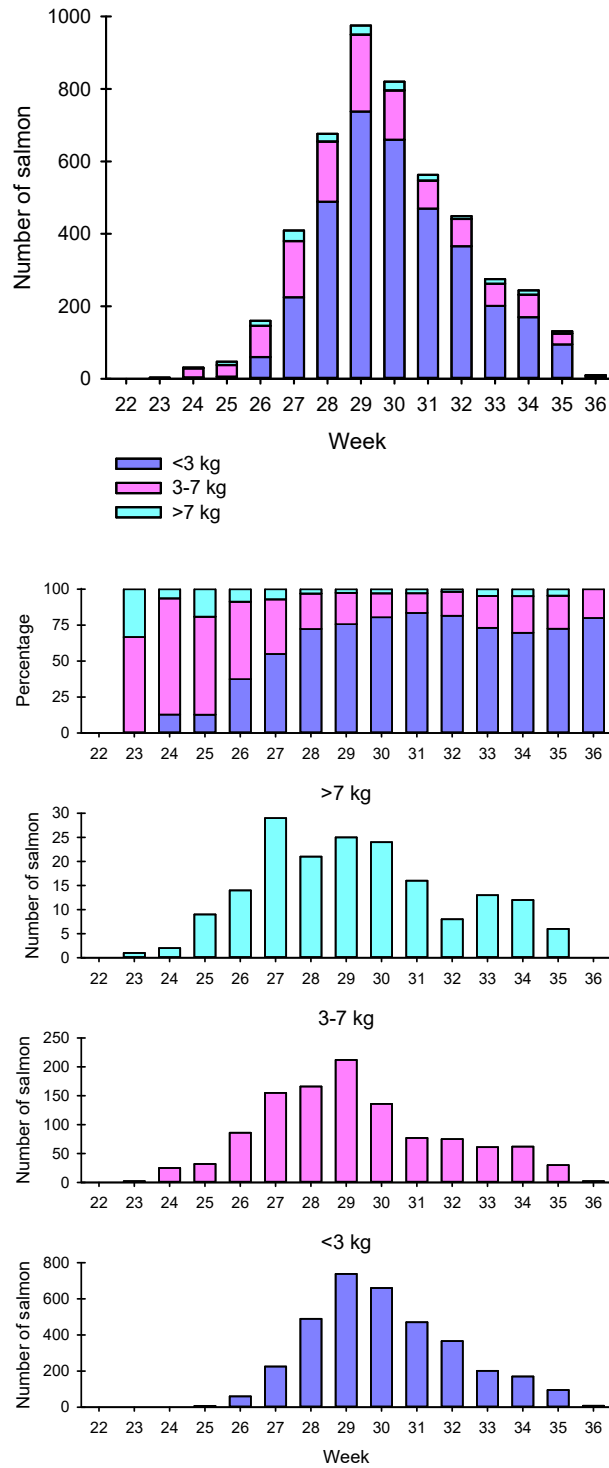


Figure 134. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Børselv years 2013-2020 combined. Source: SSB

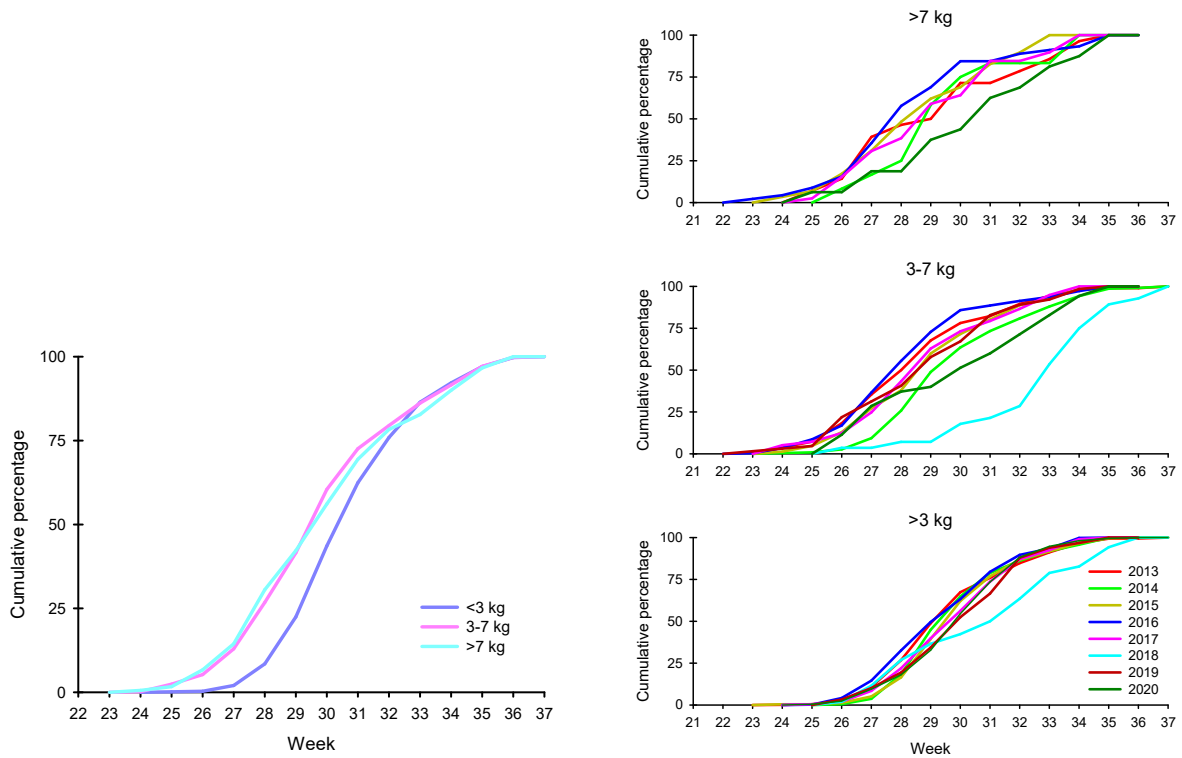


Figure 135. Cumulative catches for three weight groups of salmon in the River Børselv years 2013-2020 combined (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the weekly catches). Source: SSB

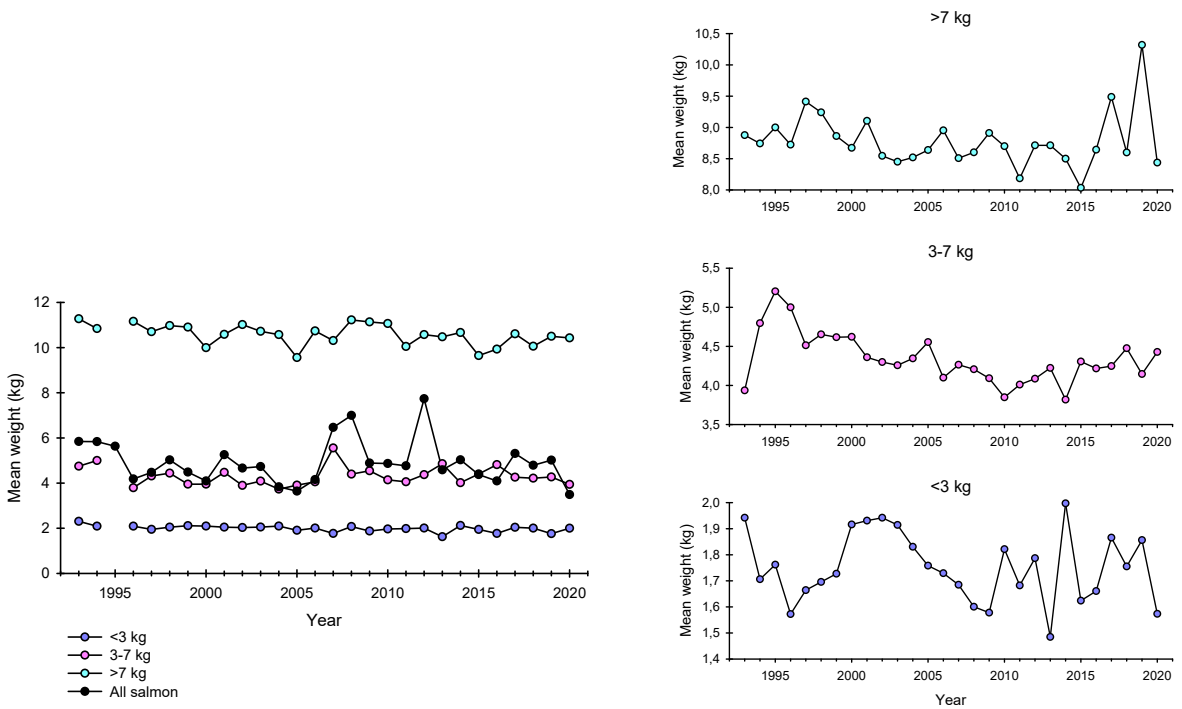


Figure 136. Mean annual weights of salmon for three size groups and for the total mean of all salmon in the River Børselv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

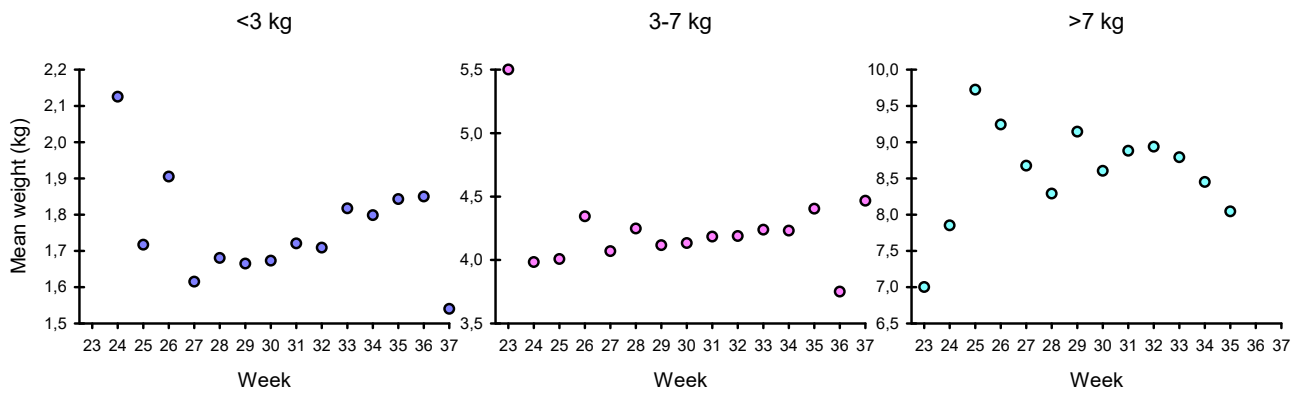


Figure 137. Mean weekly weights of salmon caught in the River Børselv. Weekly catch data from the years 2013-2020 combined. Source: SSB

## 25. Salmon catches in the River Lakselv

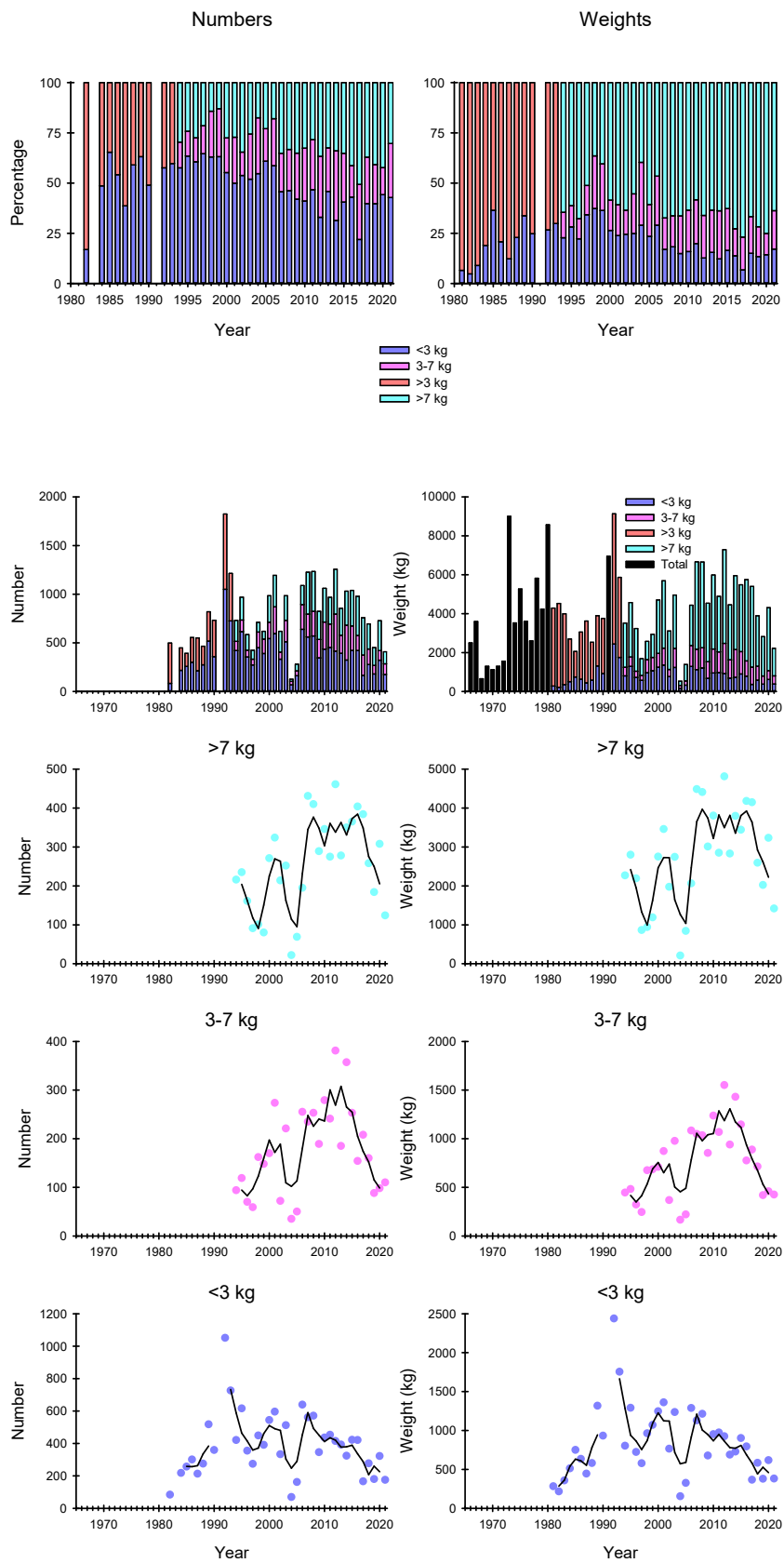


Figure 138. Salmon catches in numbers and weights in three weight groups in the River Lakselv. Source: SSB



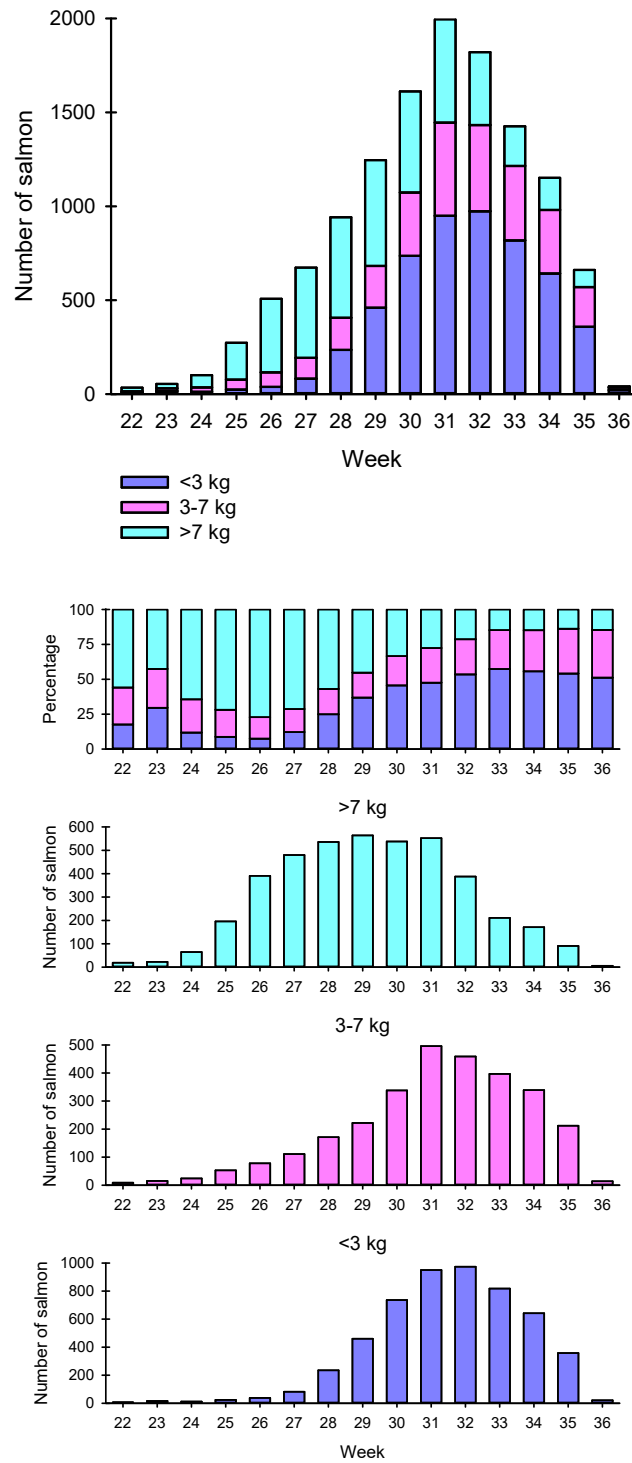


Figure 139. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Lakselv years 2002-2010 and 2013-2020 combined. Source: SSB

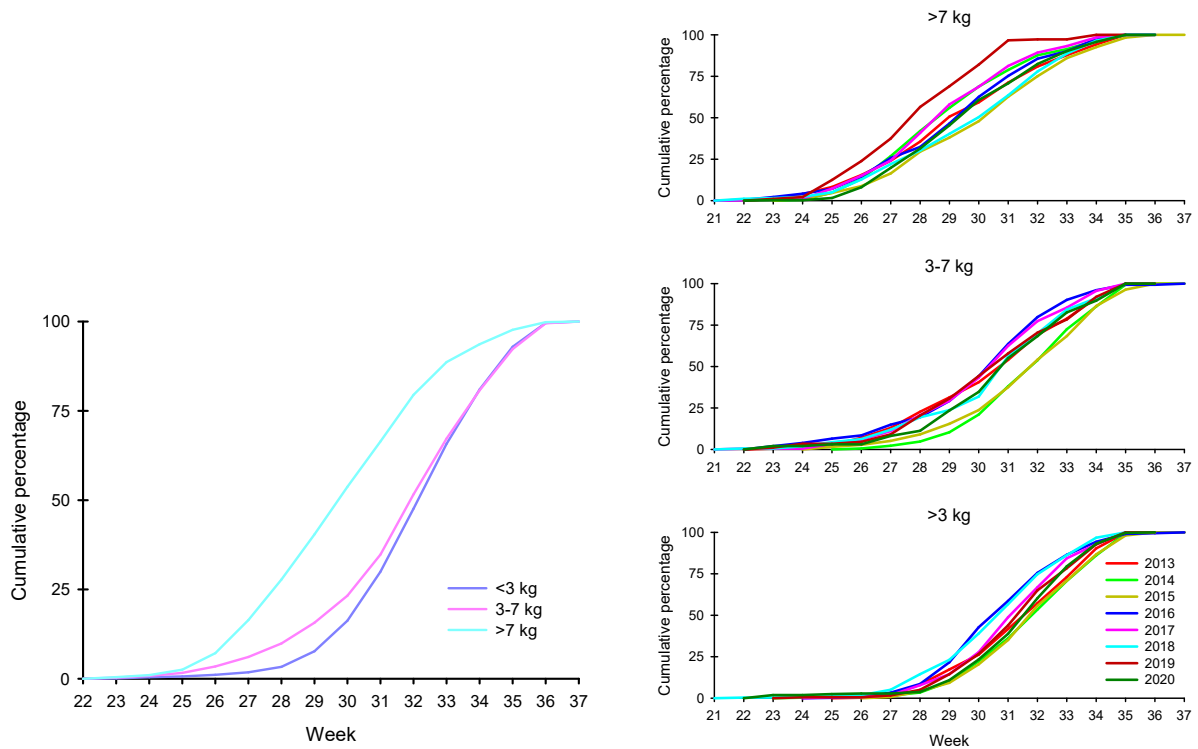


Figure 140. Cumulative catches for three weight groups of salmon in the River Lakselv years 2002-2010 and 2013-2020 combined (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight group of salmon (figure on the right) (calculated from the weekly catches). Source: SSB

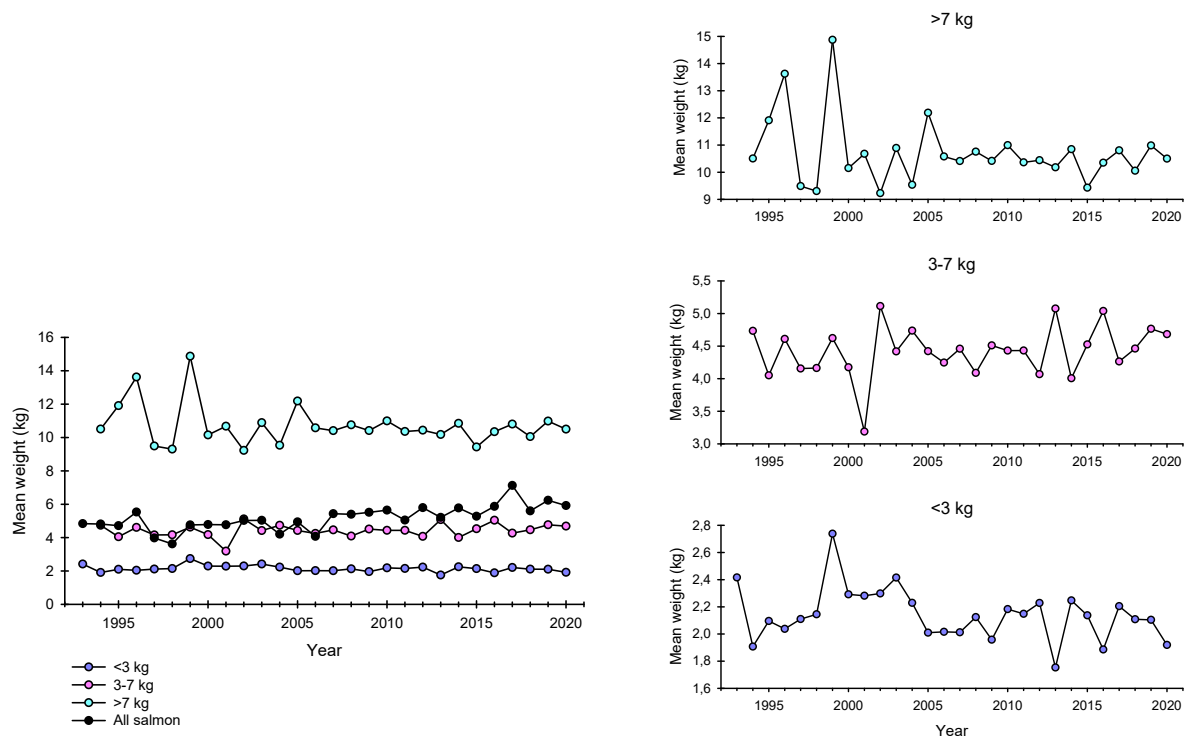


Figure 141. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Lakselv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

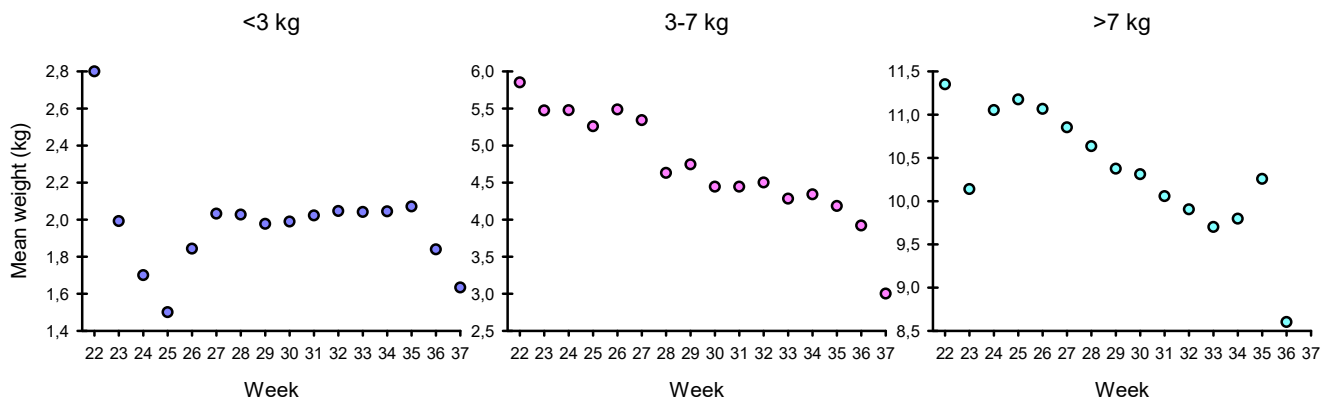


Figure 142. Weekly mean weights of salmon caught in the River Lakselv. Weekly catch data from the years 2013-2020 combined.  
Source: SSB

## 26. Salmon catches in the River Stabburselv

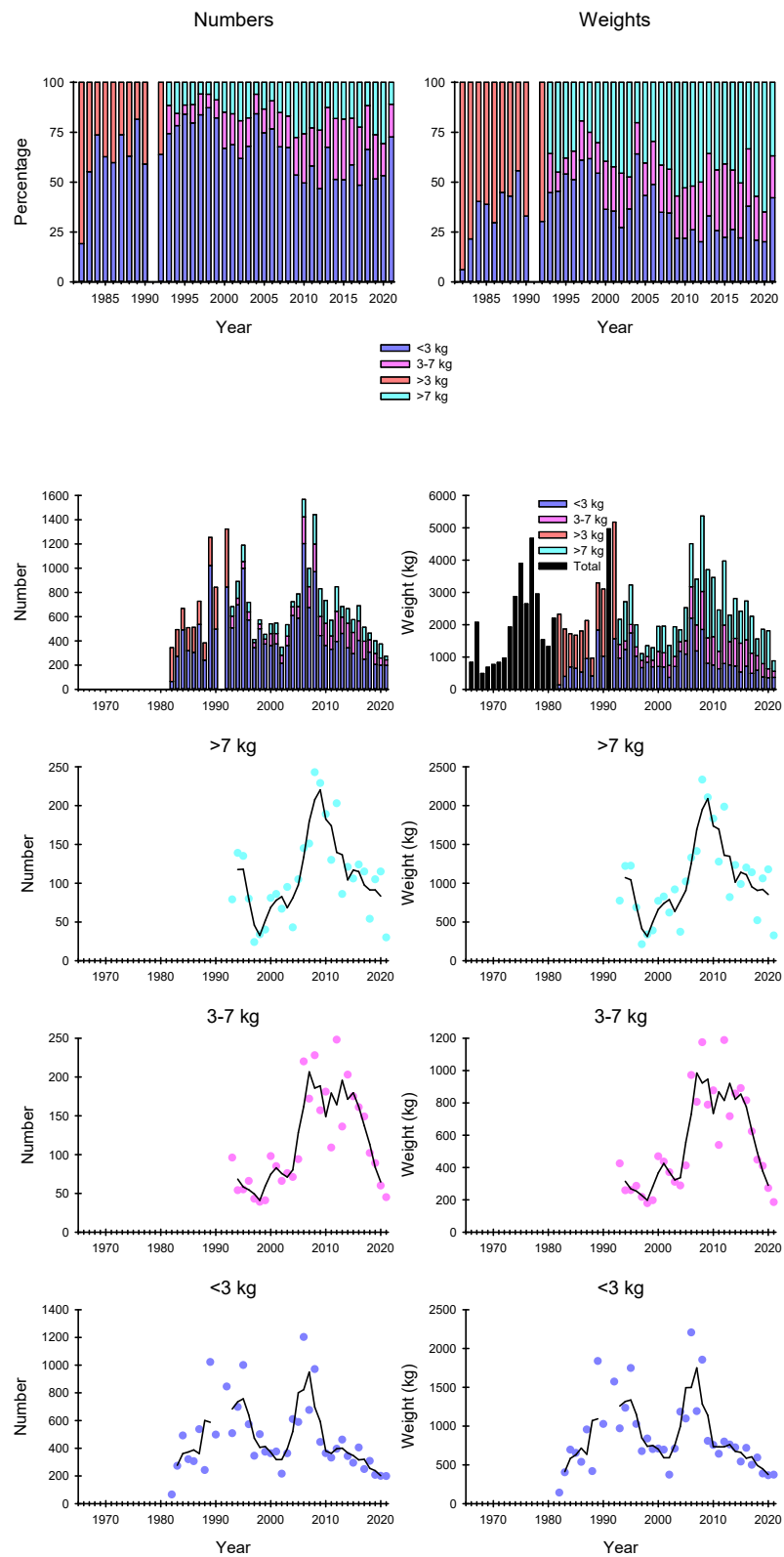


Figure 143. Salmon catches in numbers and weights in three weight groups in the River Stabburselv. Source: SSB

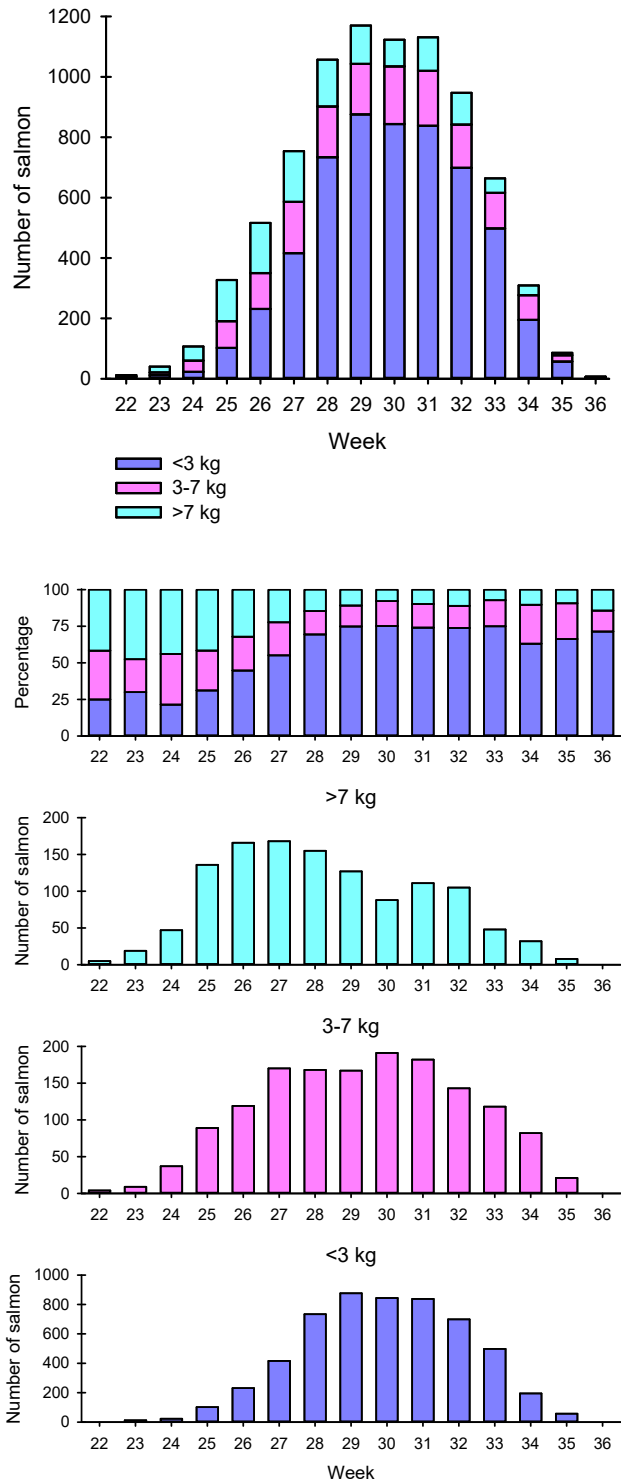


Figure 144. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Stabburselv in the years 1996-2004 and 2013-2020. Source: SSB

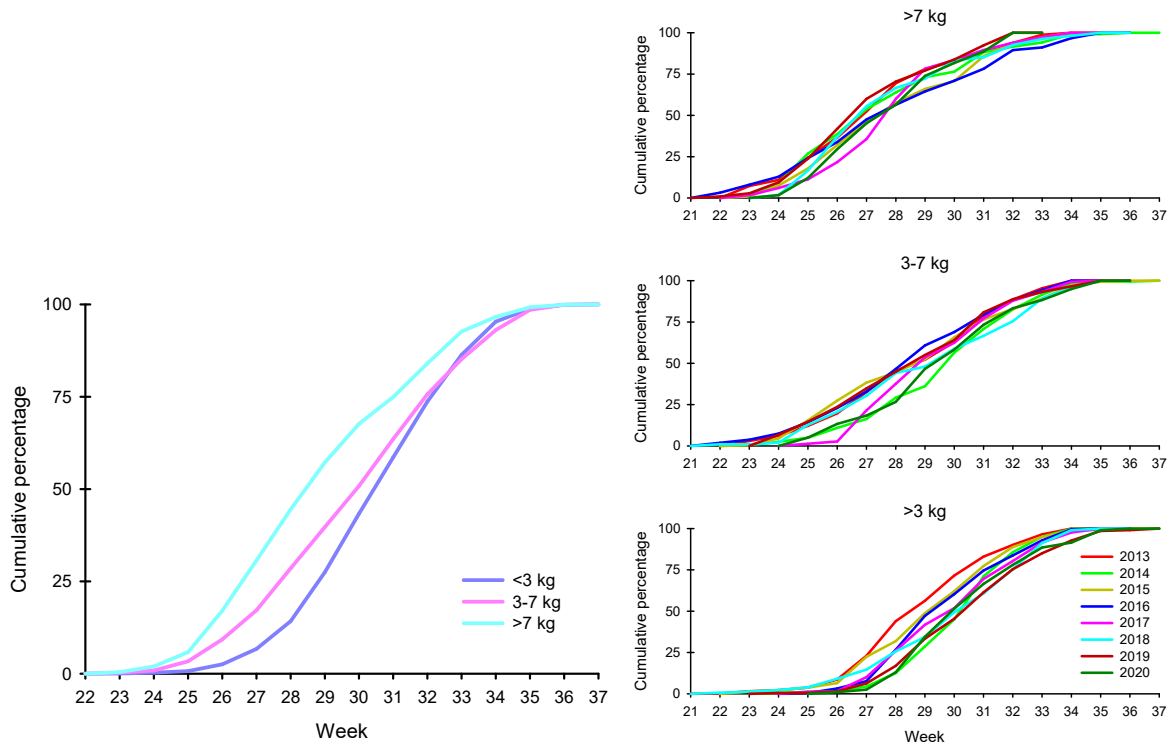


Figure 145. Cumulative catches for three weight groups of salmon in the River Stabburselv years 1996-2004 and 2013-2020 combined (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the weekly catches). Source: SSB

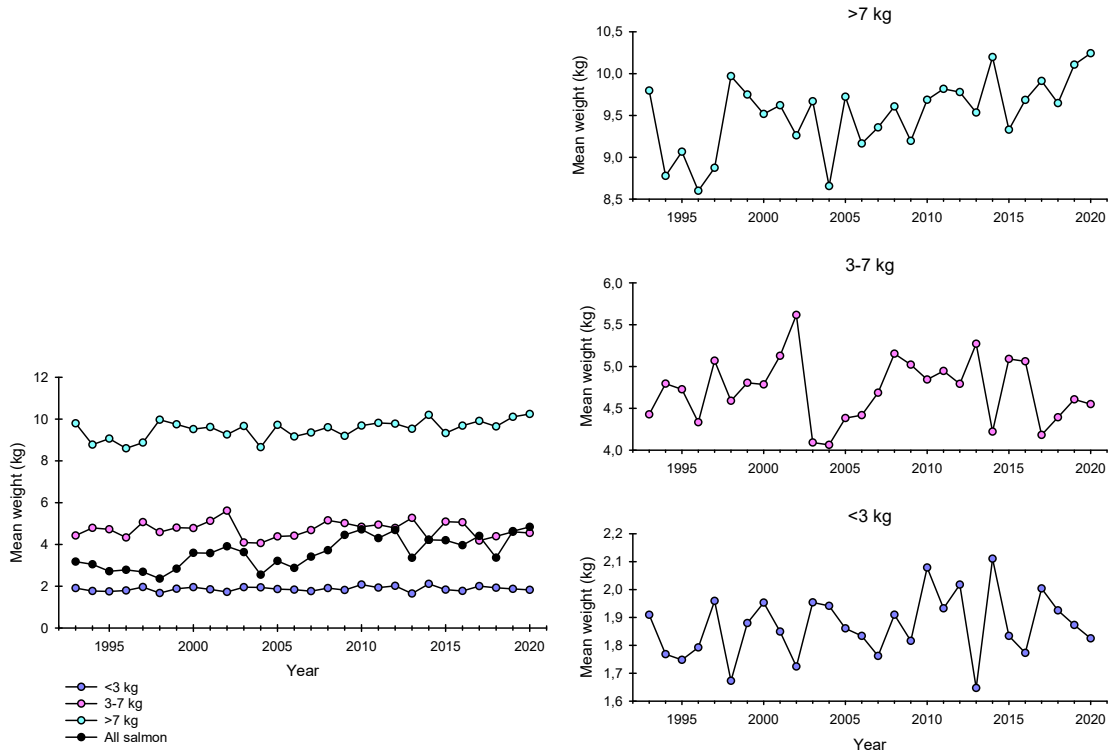


Figure 146. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Stabburselv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

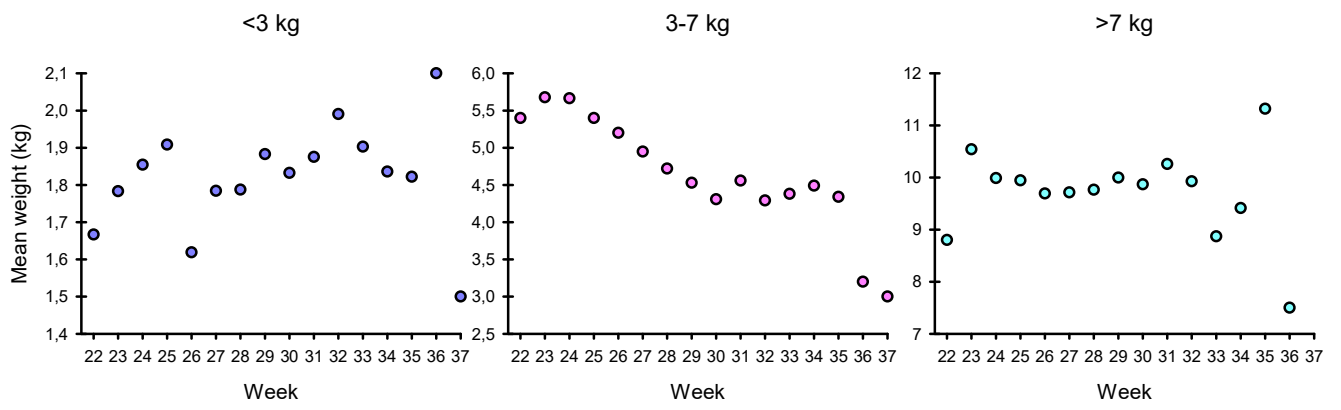


Figure 147. Weekly mean weights of salmon caught in the River Stabburselv. Weekly catch data is combined in the years 2013-2020.  
Source: SSB

## 27. Salmon catches in the River Repparfjordelv

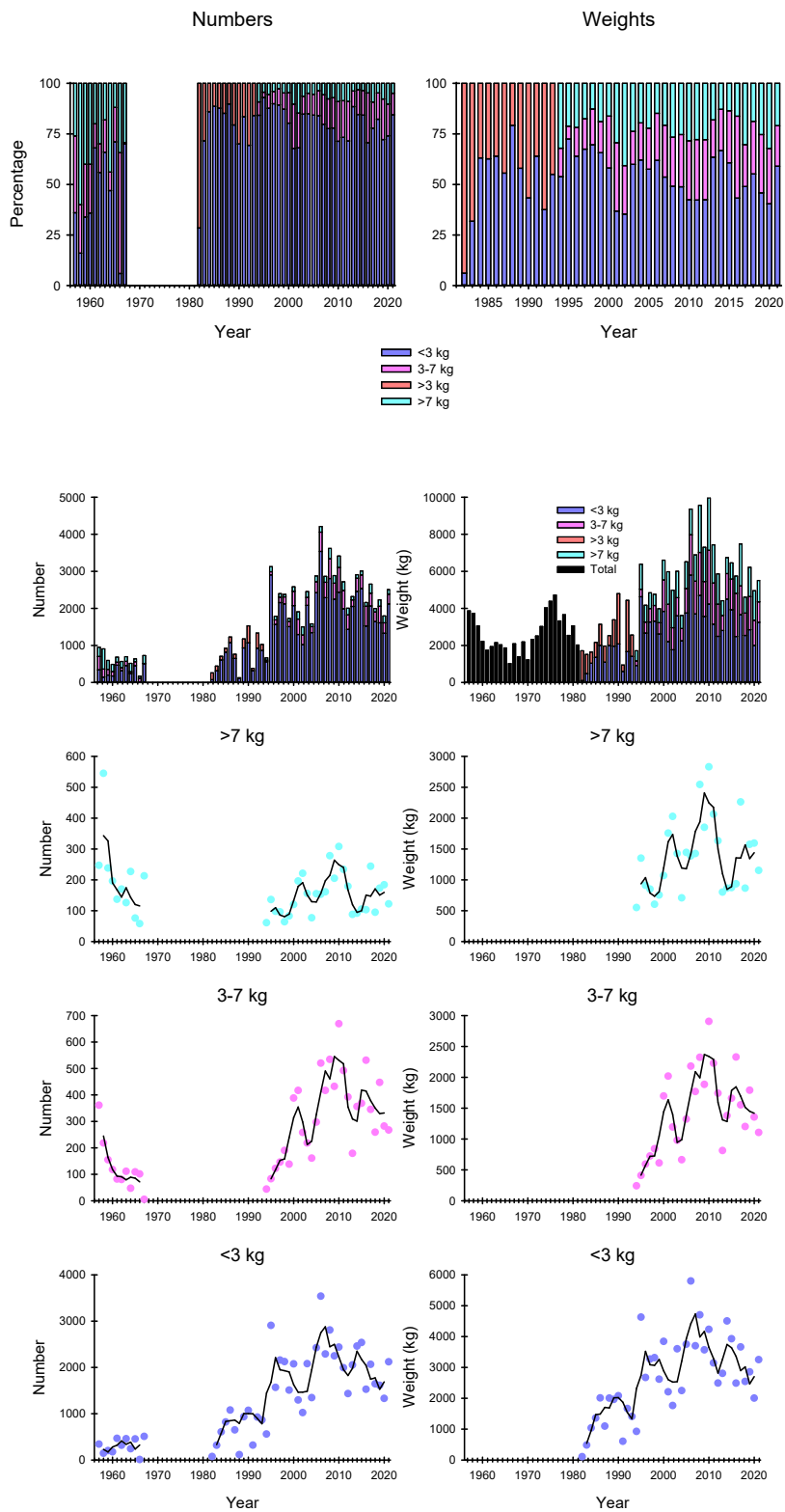


Figure 148. Salmon catches in numbers and weights in three weight groups in the River Repparfjordelv. Source: SSB



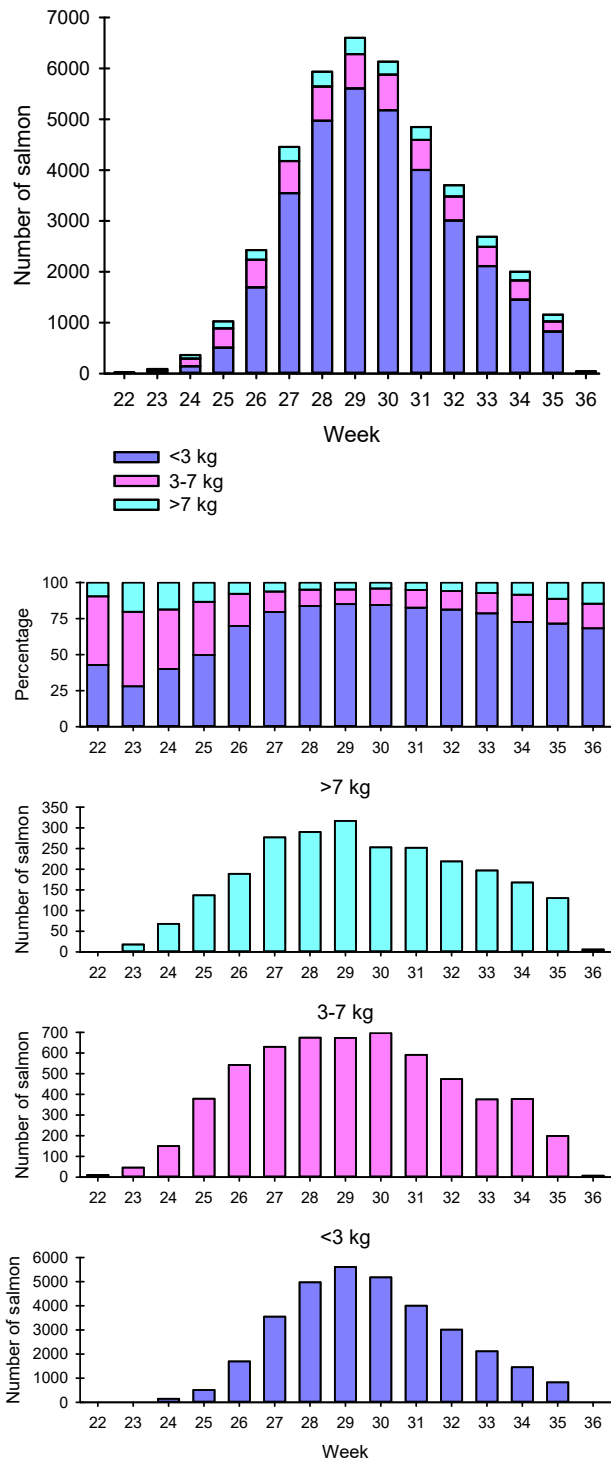


Figure 149. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Repparfjordelv in the years 1996-2003 and 2010-2020. Source: SSB

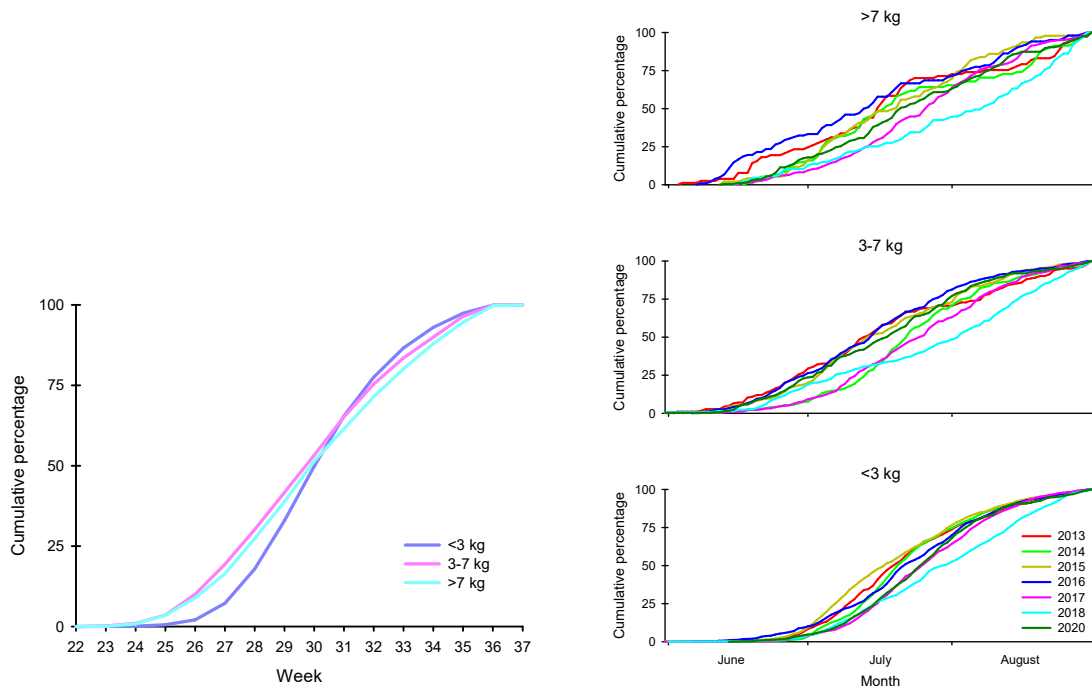


Figure 150. Cumulative catches for three weight groups of salmon in the River Repparfjordelv in the years 1996-2003 and 2010-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the daily catches). Source: SSB

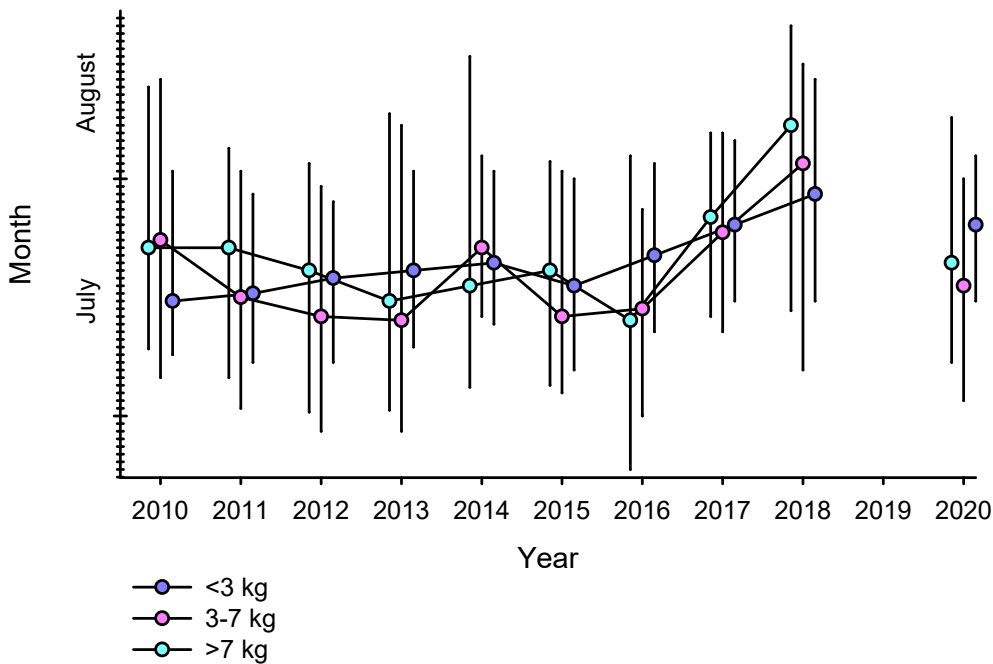


Figure 151. Median dates of capture with upper and lower quartiles for three weight groups of salmon in the River Repparfjordelv (calculated from the daily catches). Source: SSB

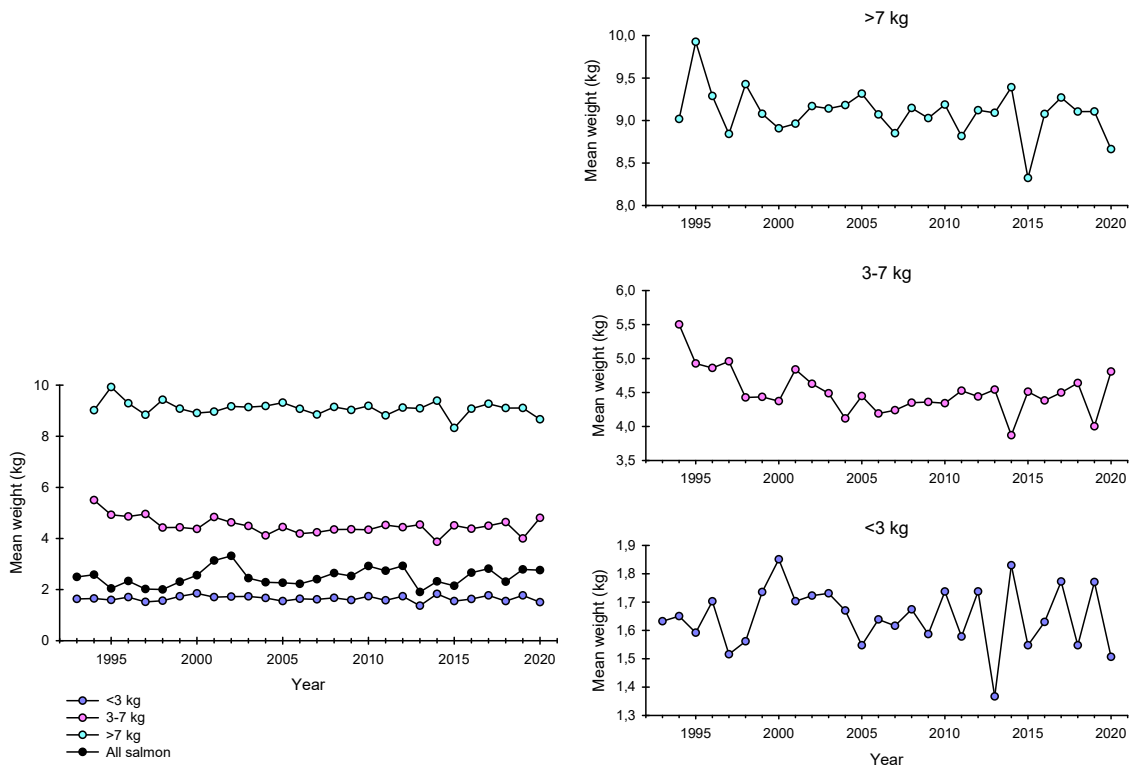


Figure 152. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Repparfjordelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

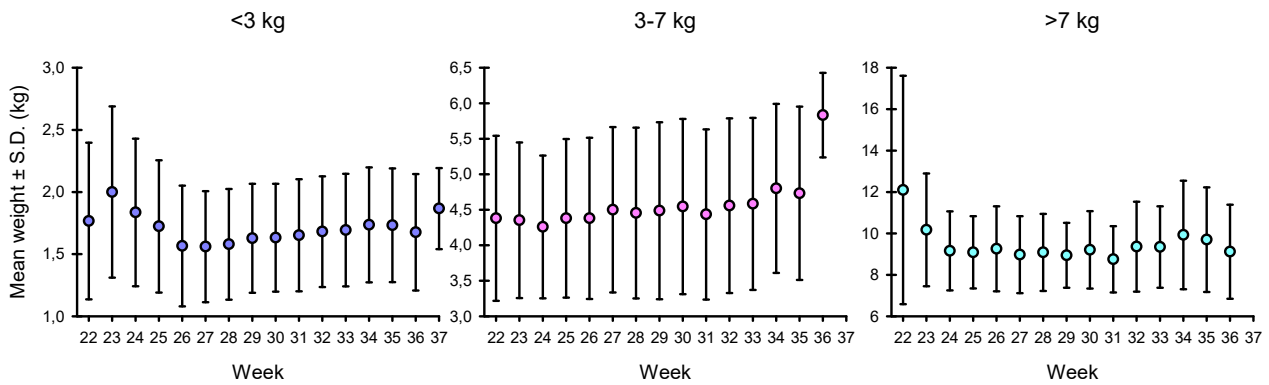


Figure 153. Weekly mean weights of salmon caught in the River Repparfjordelv. Weekly catch data is combined in the years 2010-2020. Source: SSB

## 28. Salmon catches in the River Altaelv

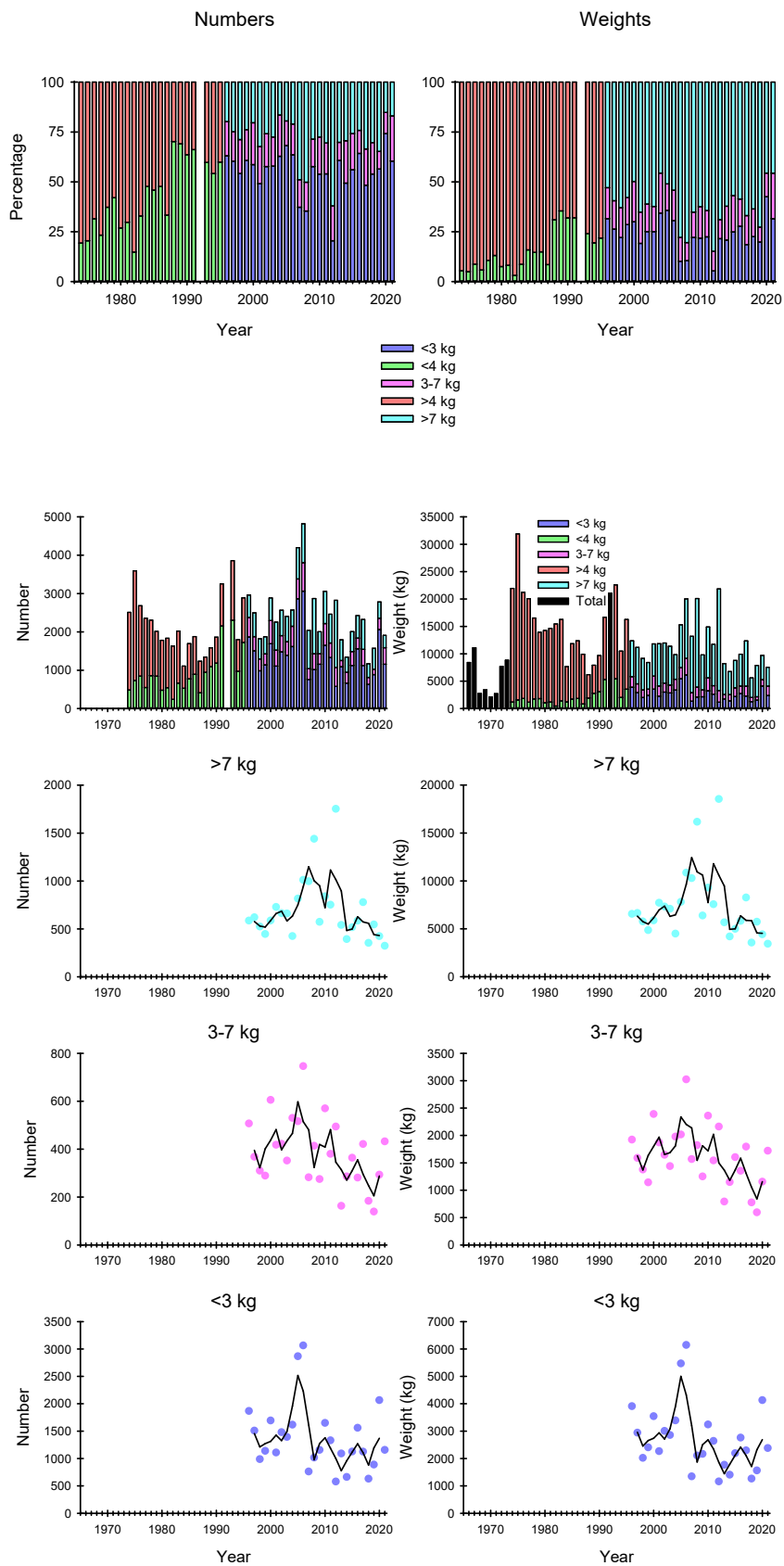


Figure 154. Salmon catches in numbers and weights in three weight groups in the River Altaelv. Source: SSB

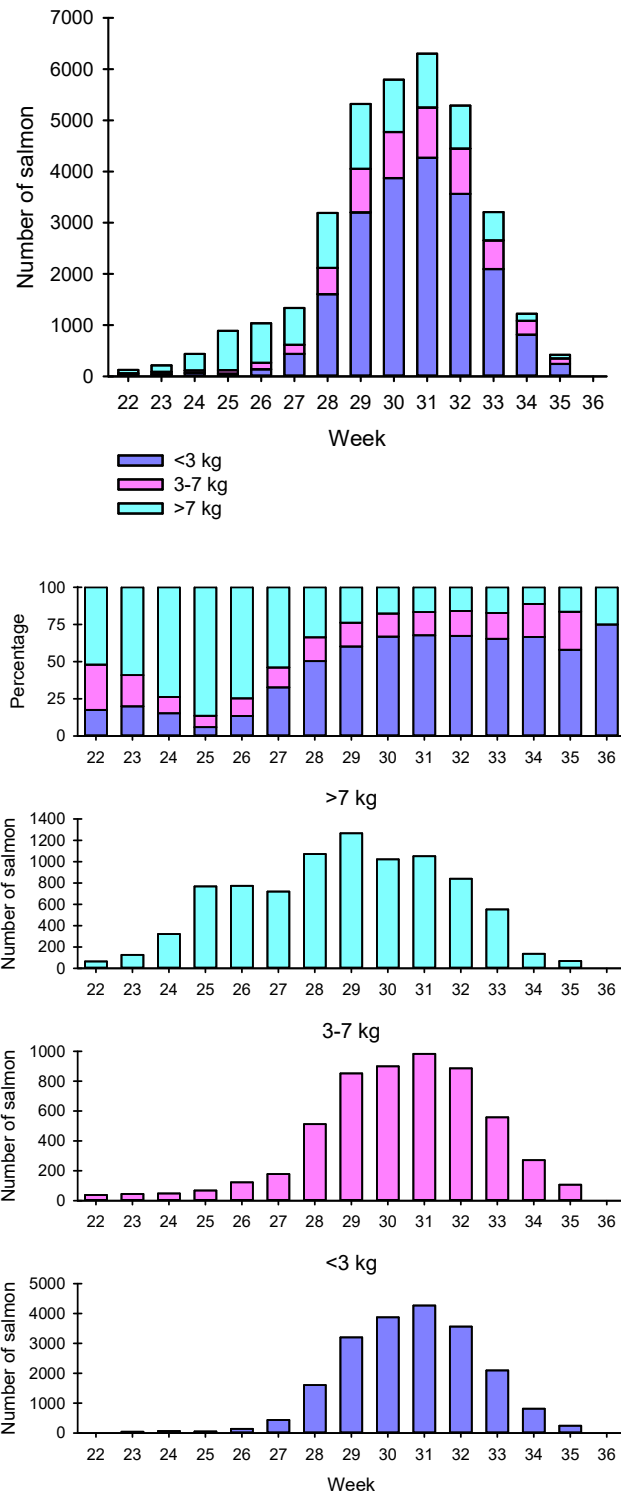


Figure 155. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Altaelv years 1996, 1998-2004 and 2013-2020 combined. Source: SSB

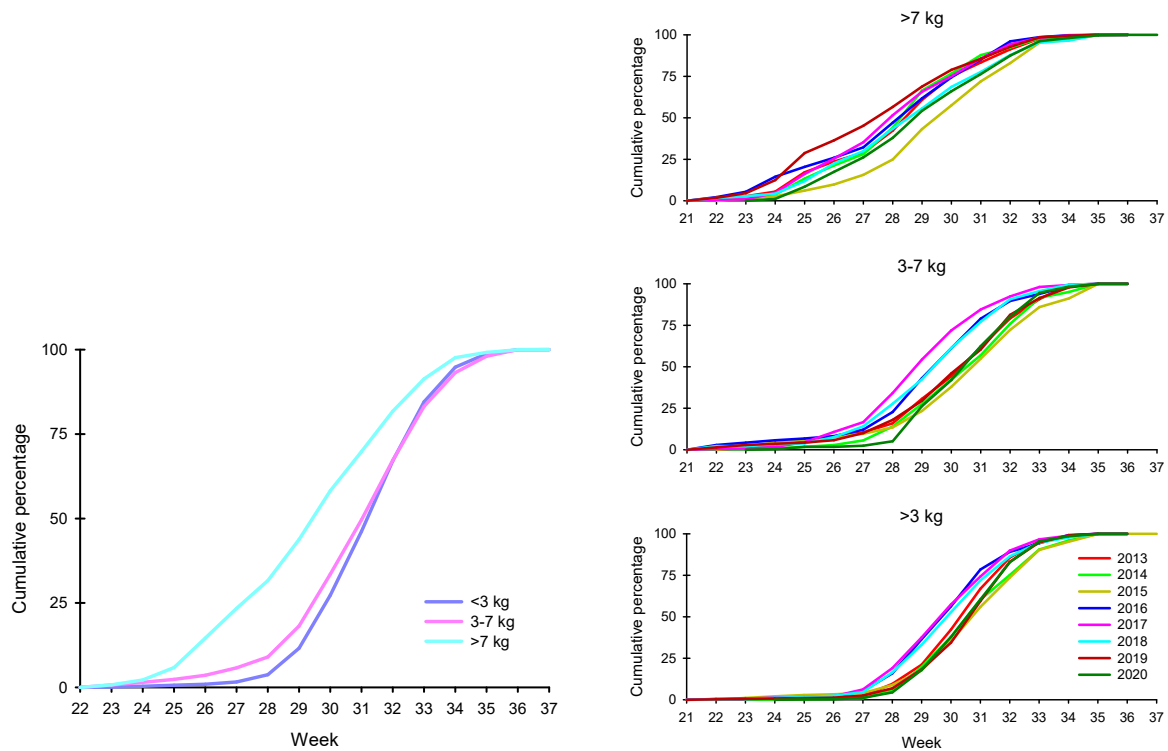


Figure 156. Cumulative catches for three weight groups of salmon in the River Alta years 1996, 1998-2004 and 2013-2020 combined (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the weekly catches). Source: SSB

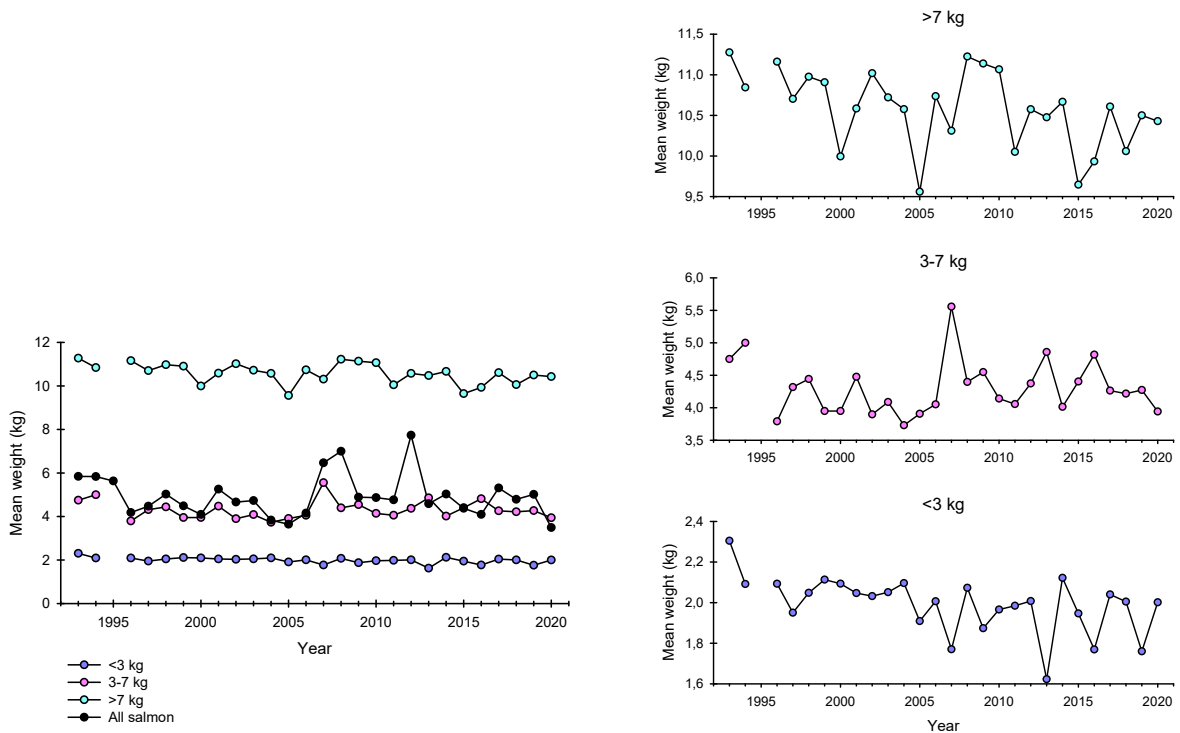


Figure 157. Mean annual weights of salmon for three size groups and for the total mean of all salmon in the River Altaelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

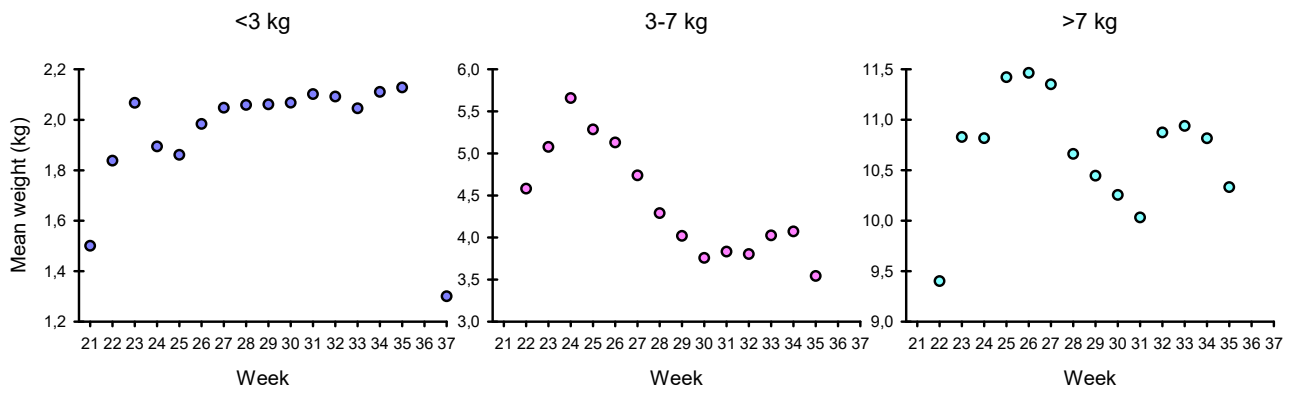


Figure 158. Mean weekly weights of salmon caught in the River Altaelv. Weekly catch data from the years 1996, 1998-2004 combined. Source: SSB

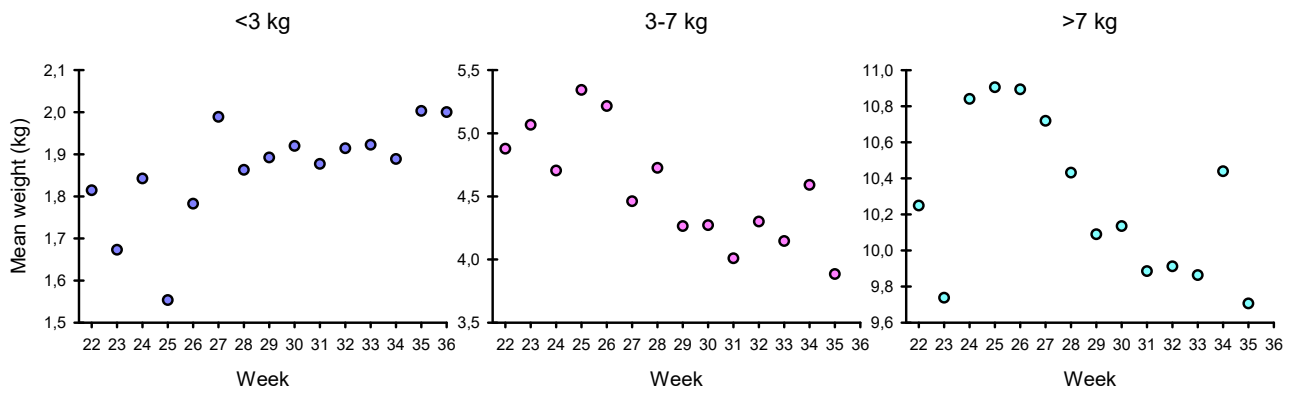


Figure 159. Mean weekly weights of salmon caught in the River Alta. Weekly catch data from the years 2013-2020 combined. Source: SSB

## 29. Salmon catches in the River Reisaelv

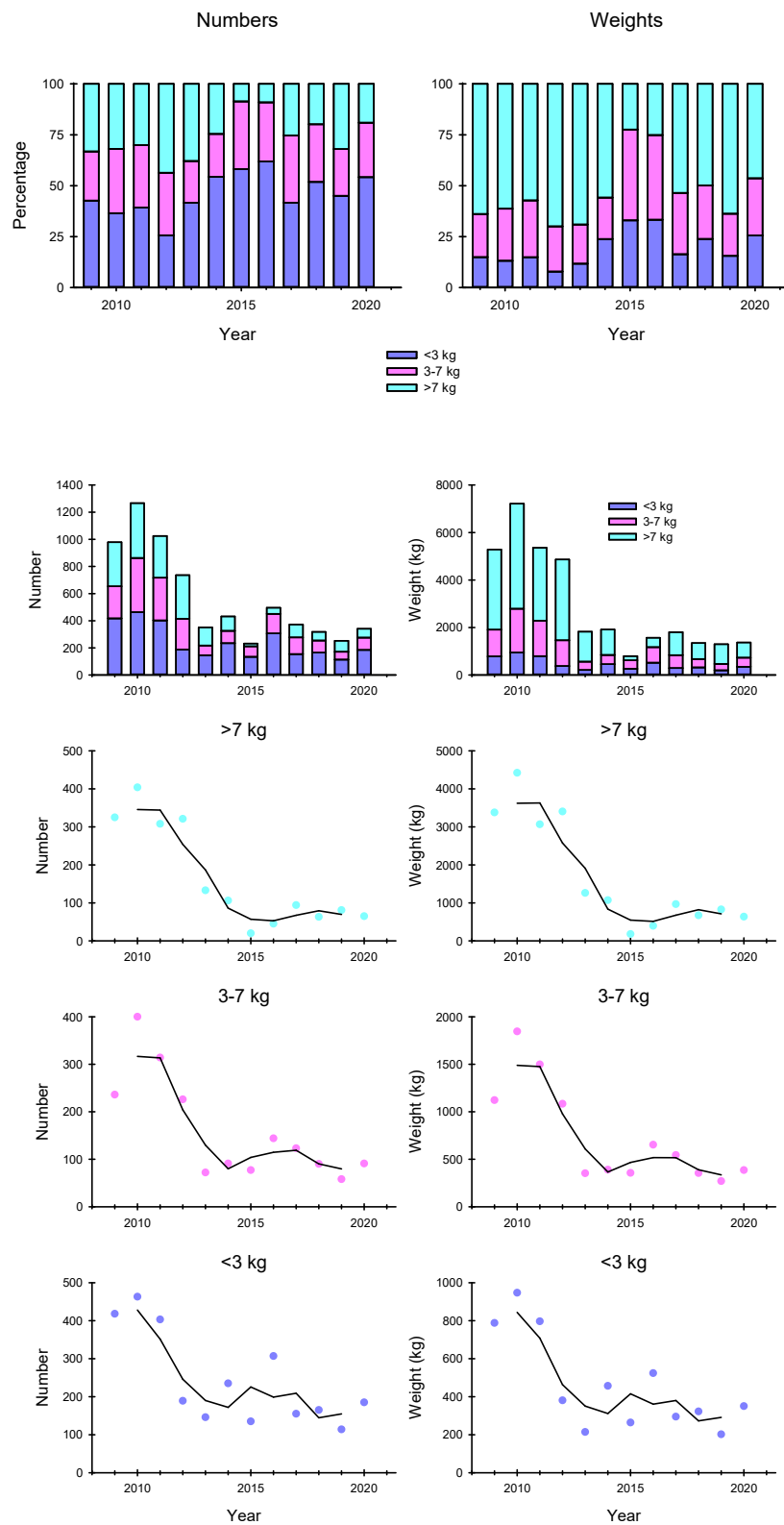


Figure 160. Salmon catches in numbers and weights in three weight groups in the River Reisaelv. Source: SSB



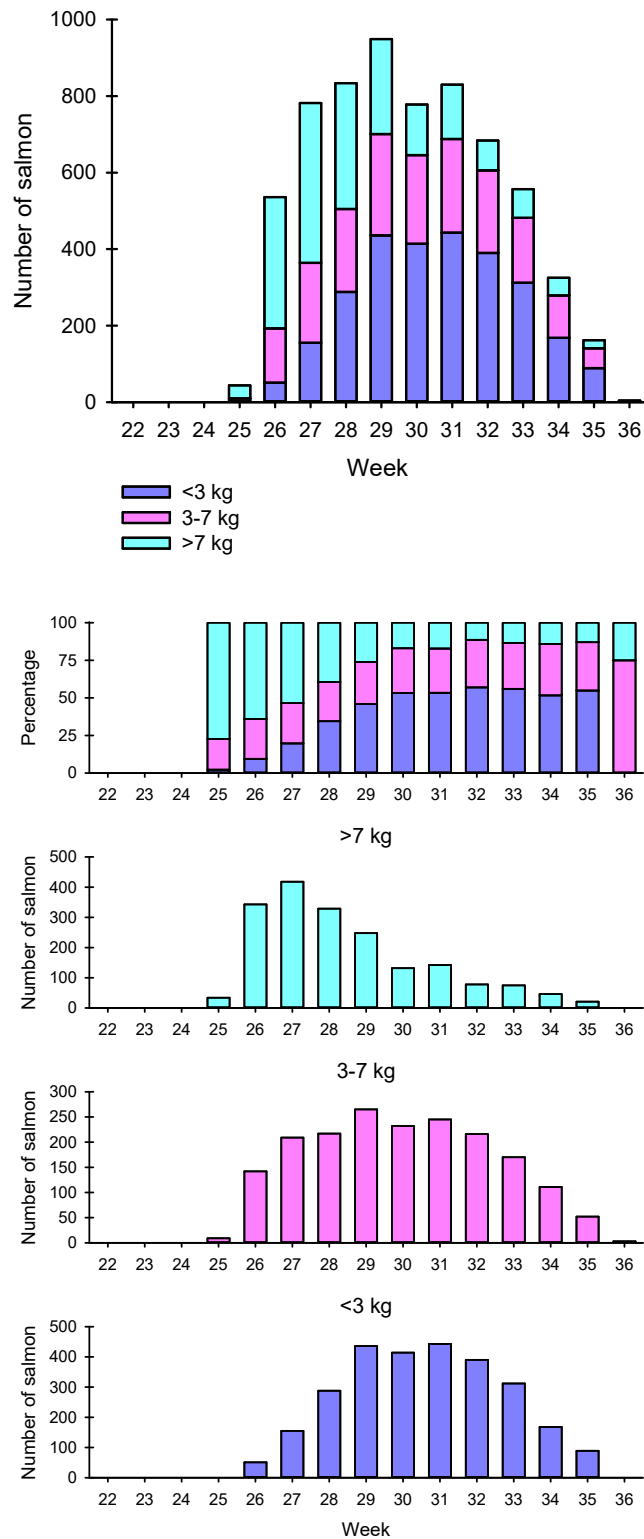


Figure 161. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Reisaelv in the years 2009-2020. Source: SSB

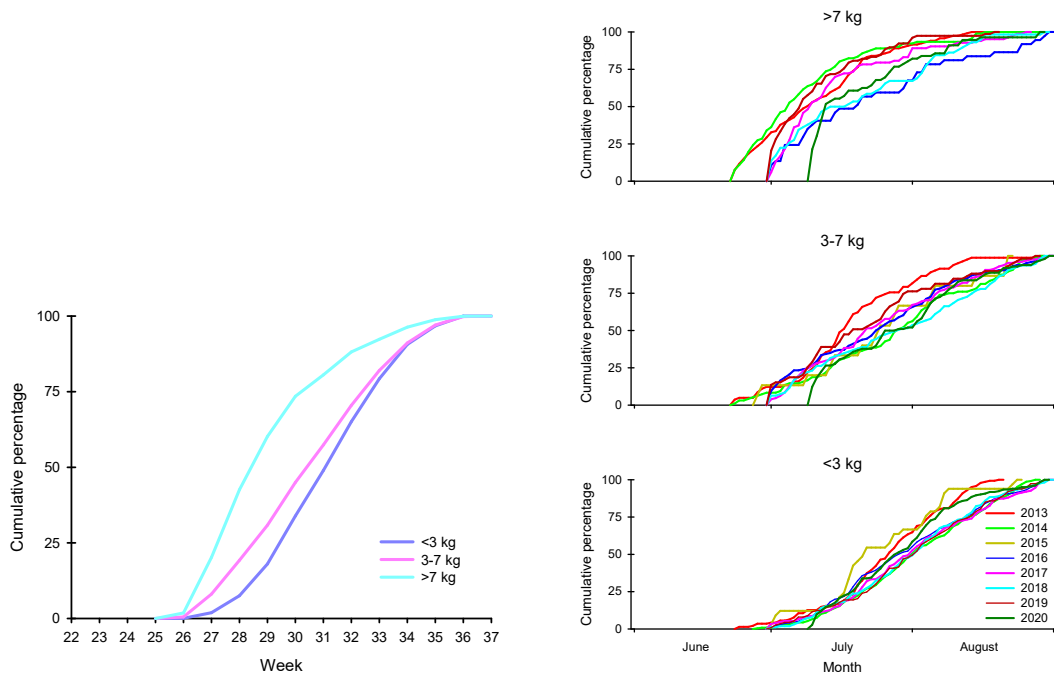


Figure 162. Cumulative catches for three weight groups of salmon in the River Reisaelv in the years 2009-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the daily catches). Source: SSB

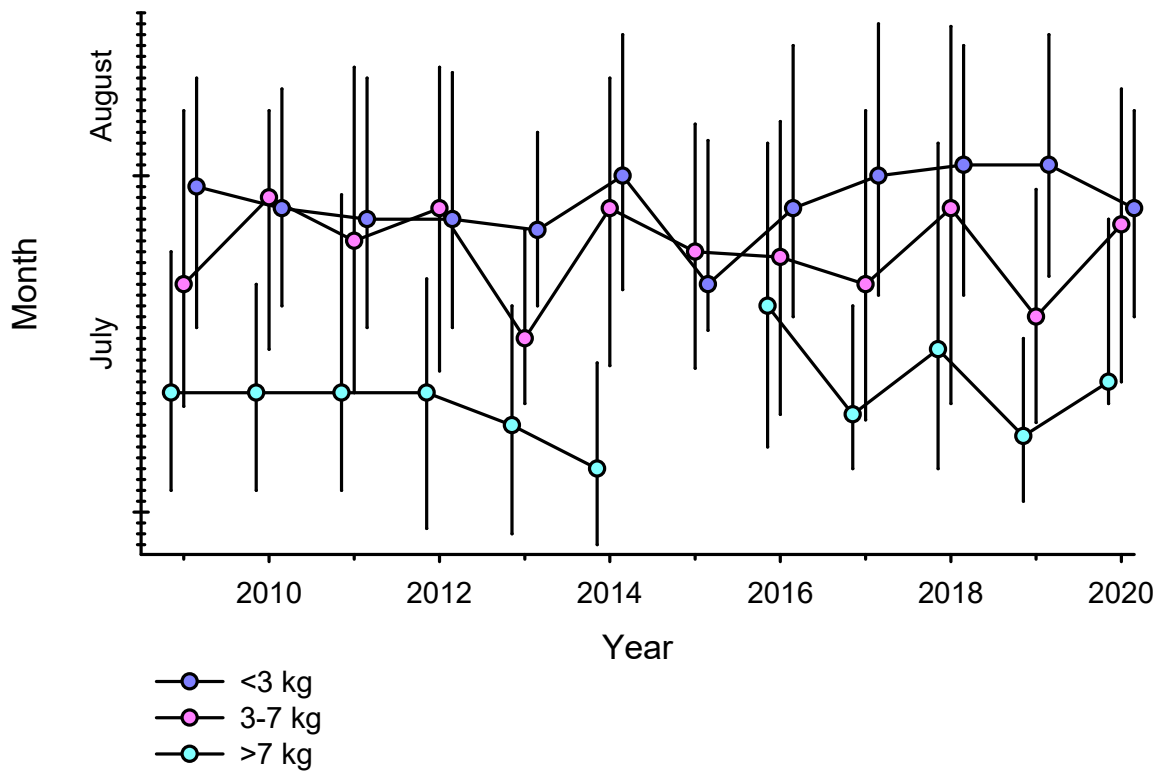


Figure 163 Median dates of capture with upper and lower quartiles for three weight groups of salmon in the River Reisaelv. Calculated from the daily catches. Source: SSB

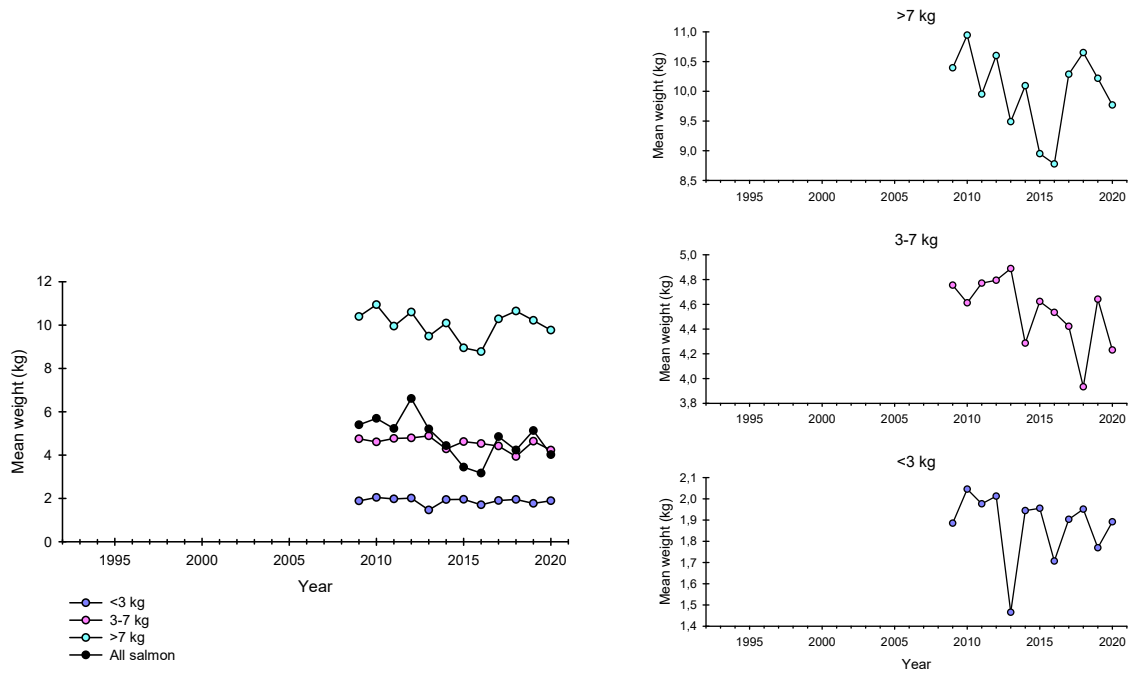


Figure 163. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Reisaelv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

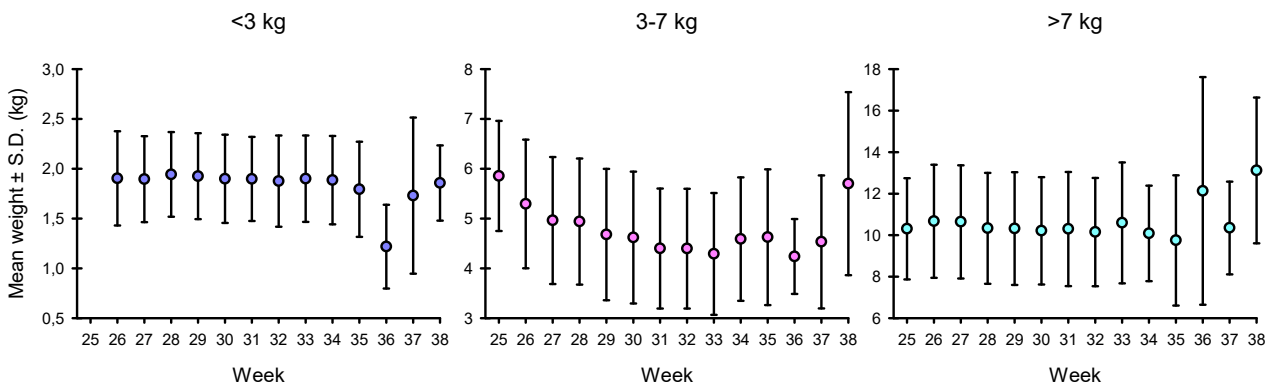


Figure 164. Weekly mean weights of salmon caught in the River Reisaelv. Weekly catch data is combined in the years 2009-2020. Source: SSB

### 30. Salmon catches in the River Nordkjoselv

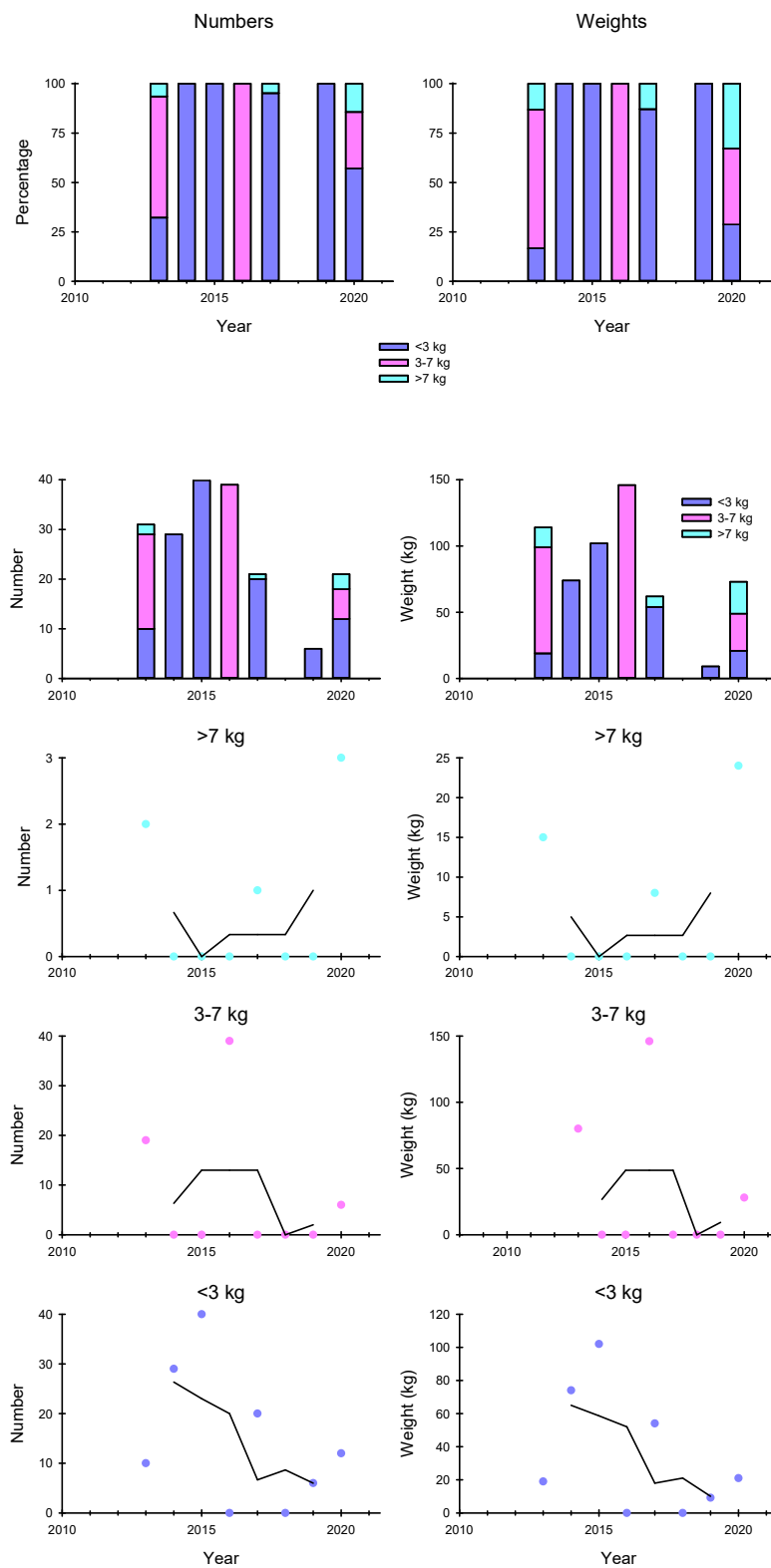


Figure 165. Salmon catches in numbers and weights in three weight groups in the River Nordkjoselv. Source: SSB

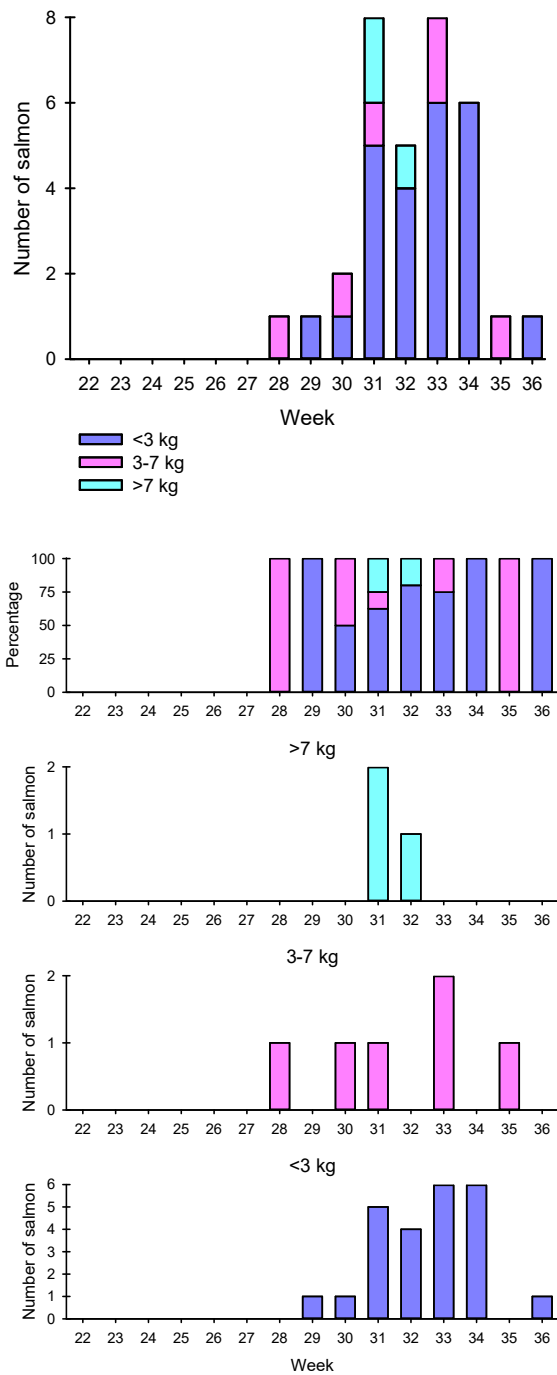


Figure 166. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Nordkjoselv in the years 2013-2020. Source: SSB

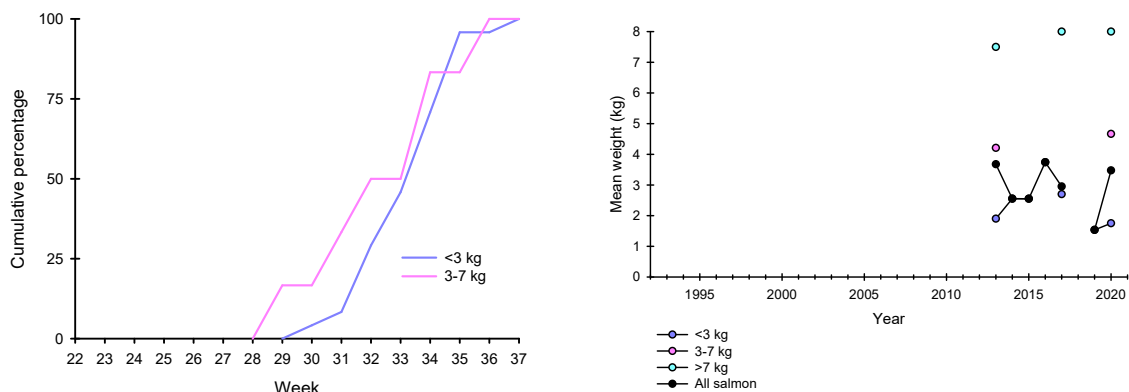


Figure 167. Cumulative catches for two weight groups of salmon in the River Nordkjoselv in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual mean weights of salmon for three size groups and for the total mean of all salmon (figure on the right). Source: SSB.

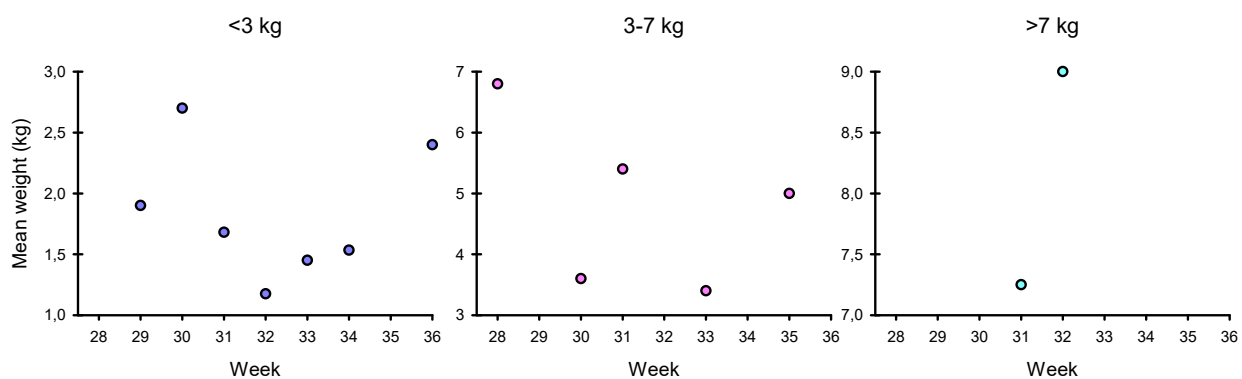


Figure 168. Weekly mean weights of salmon caught in the River Nordkjoselv. Weekly catch data is combined in the years 2013-2020. Source: SSB

### 31. Salmon catches in the River Målselv

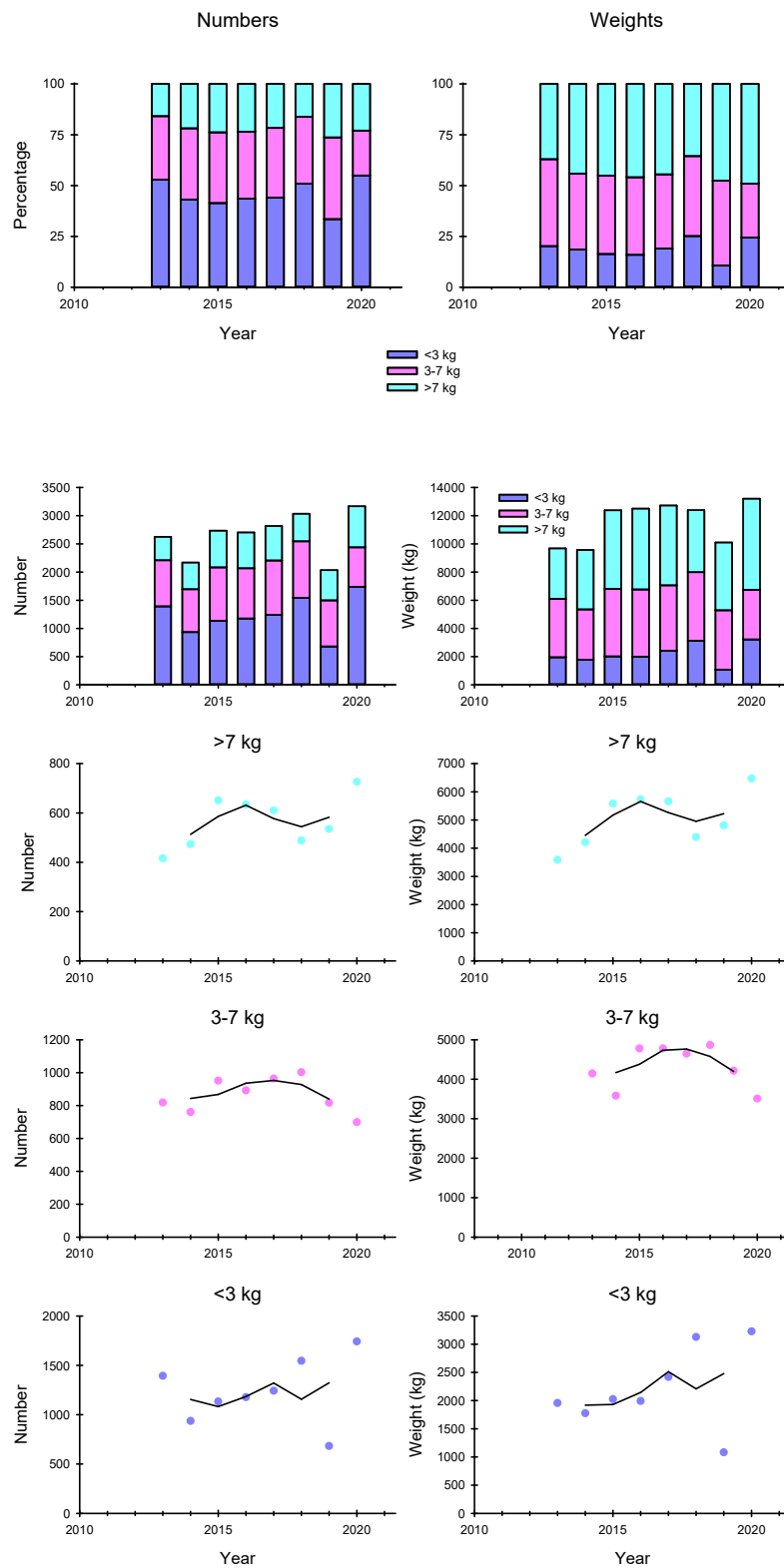


Figure 169. Salmon catches in numbers and weights in three weight groups in the River Målselv. Source: SSB

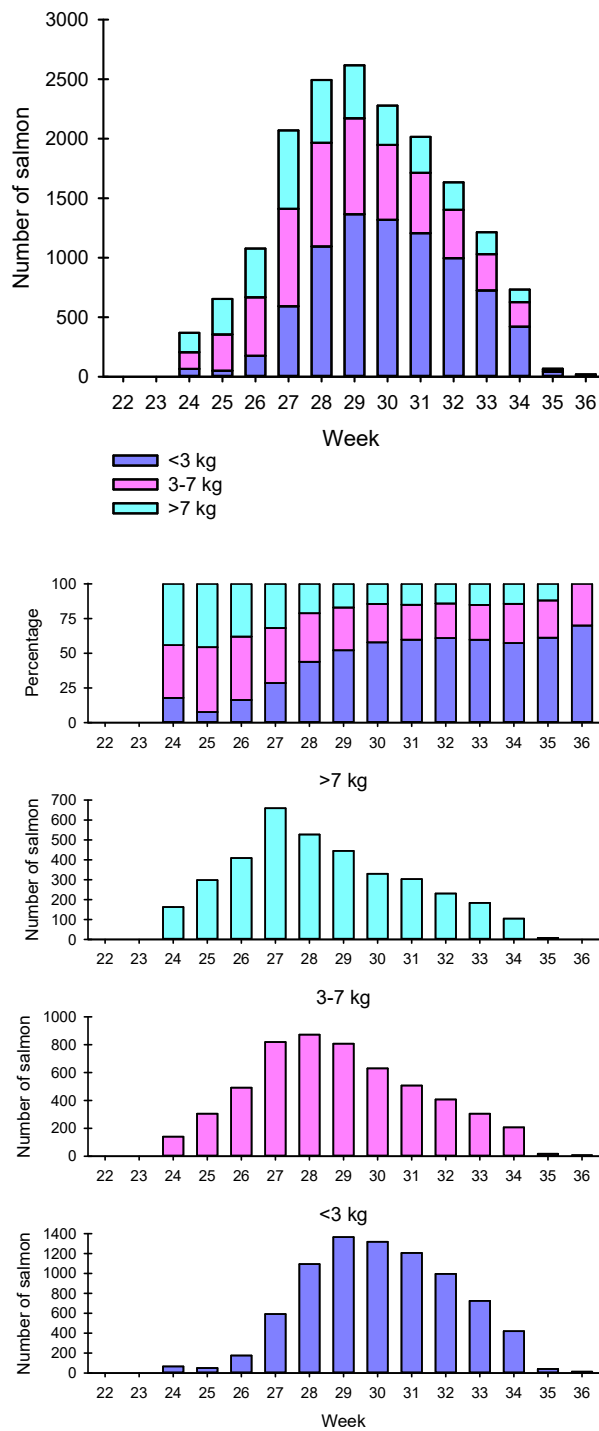


Figure 170. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Målselv in the years 2013-2020. Source: SSB



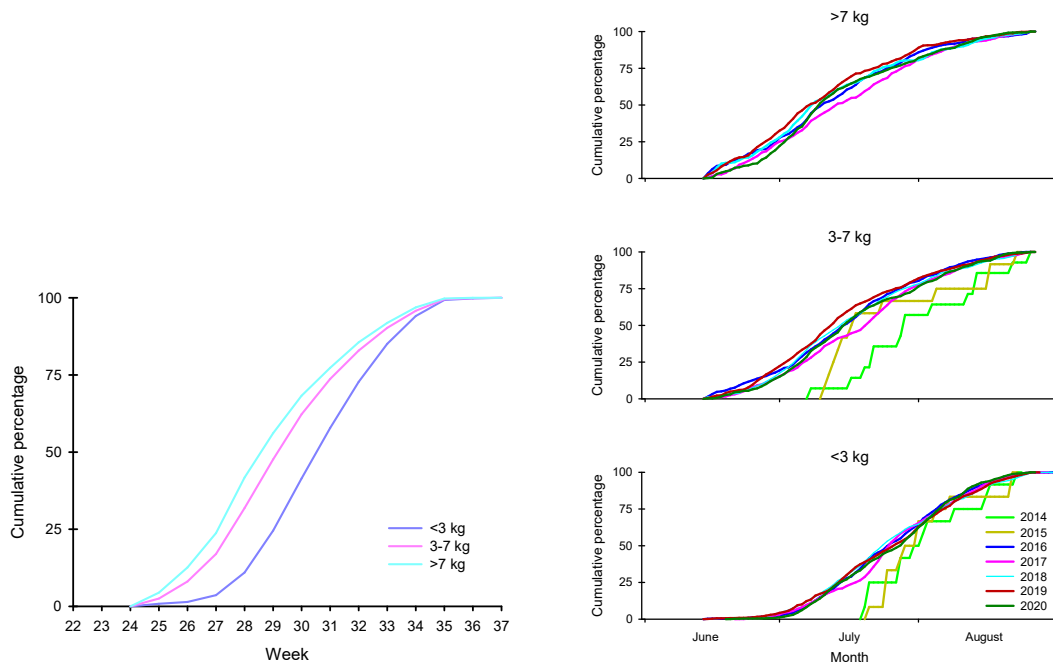


Figure 171. Cumulative catches for three weight groups of salmon in the River Målselv in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for three weight groups of salmon (figure on the right) (calculated from the daily catches). Source: SSB

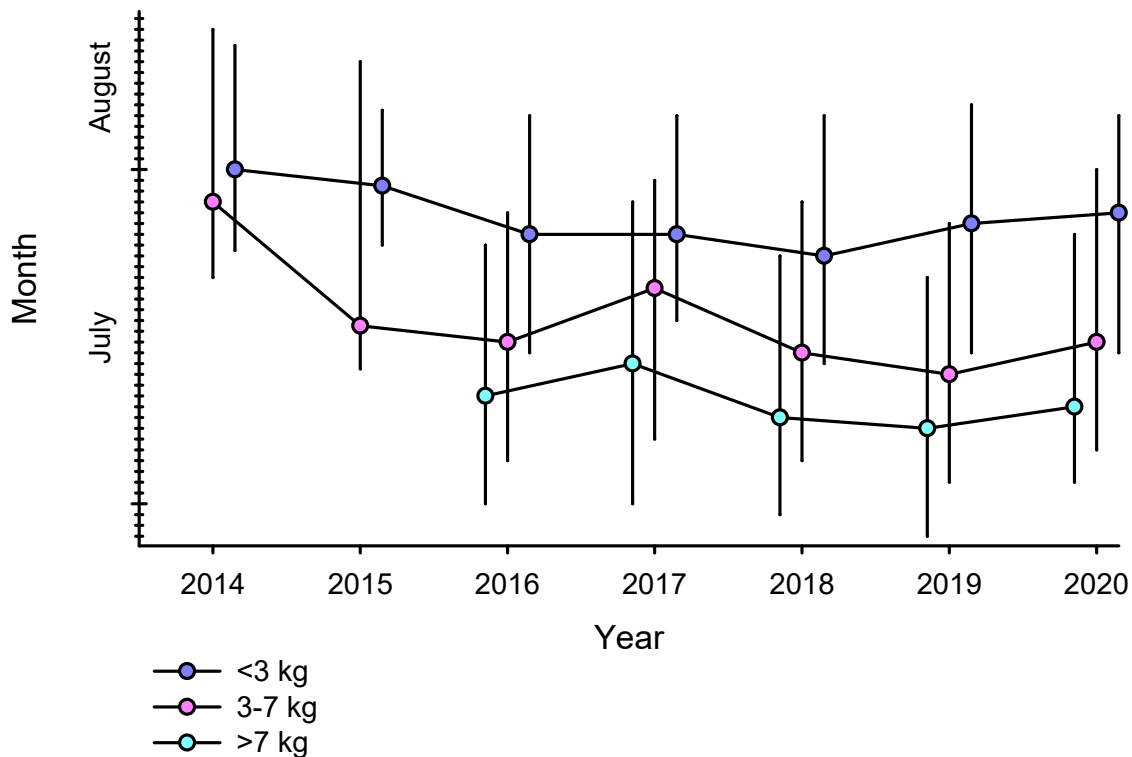


Figure 172. Median dates of capture with upper and lower quartiles for three weight groups of salmon in the River Målselv. Calculated from the daily catches. Source: SSB

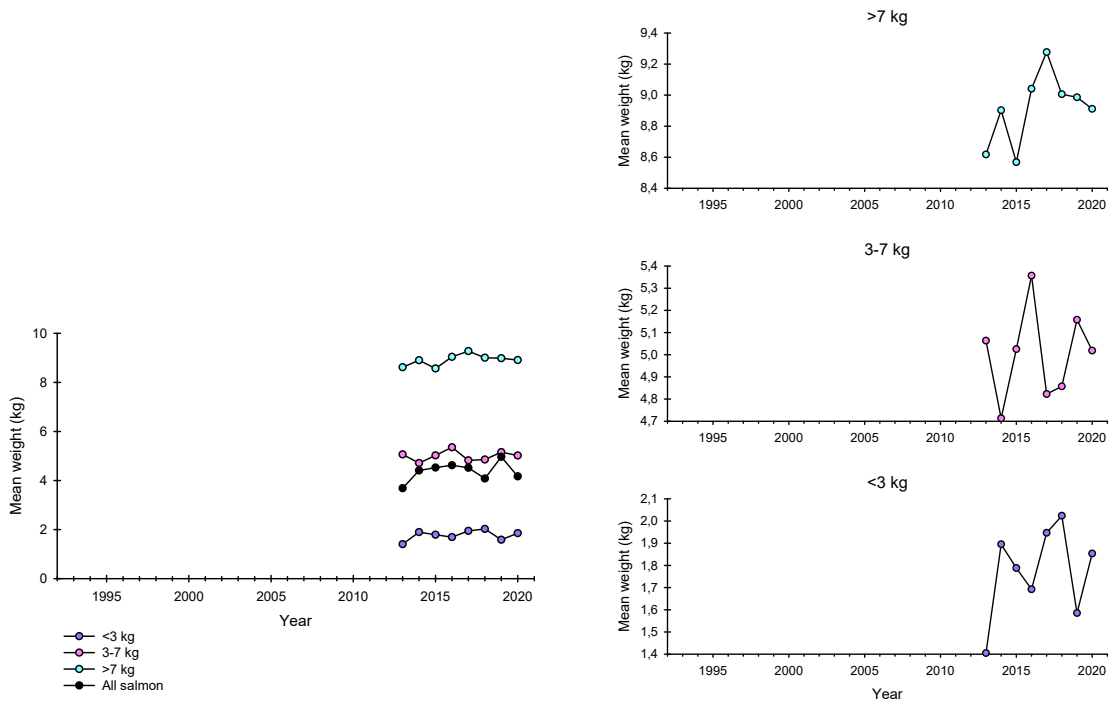


Figure 173. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Målselv (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

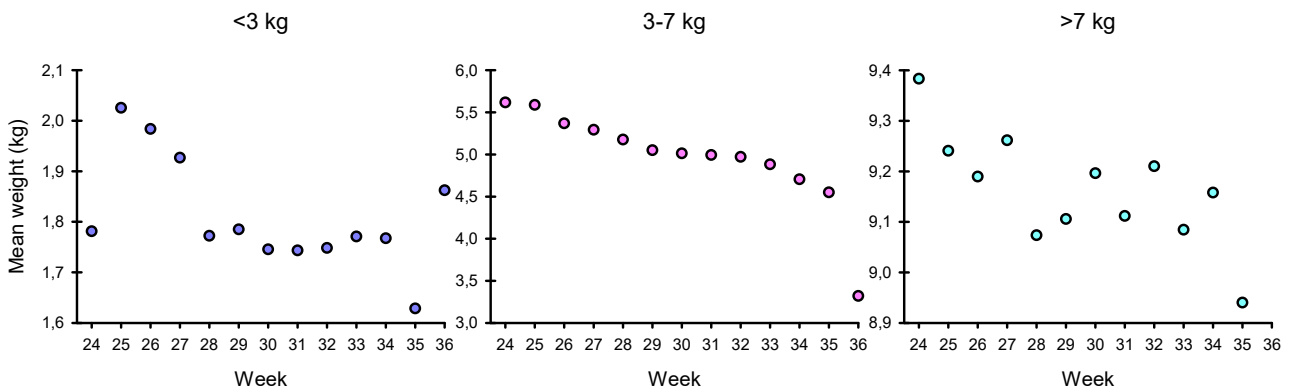


Figure 174. Weekly mean weights of salmon caught in the River Målselv. Weekly catch data is combined in the years 2013-2020. Source: SSB

## 32. Salmon catches in the River Lysbotnvassdraget

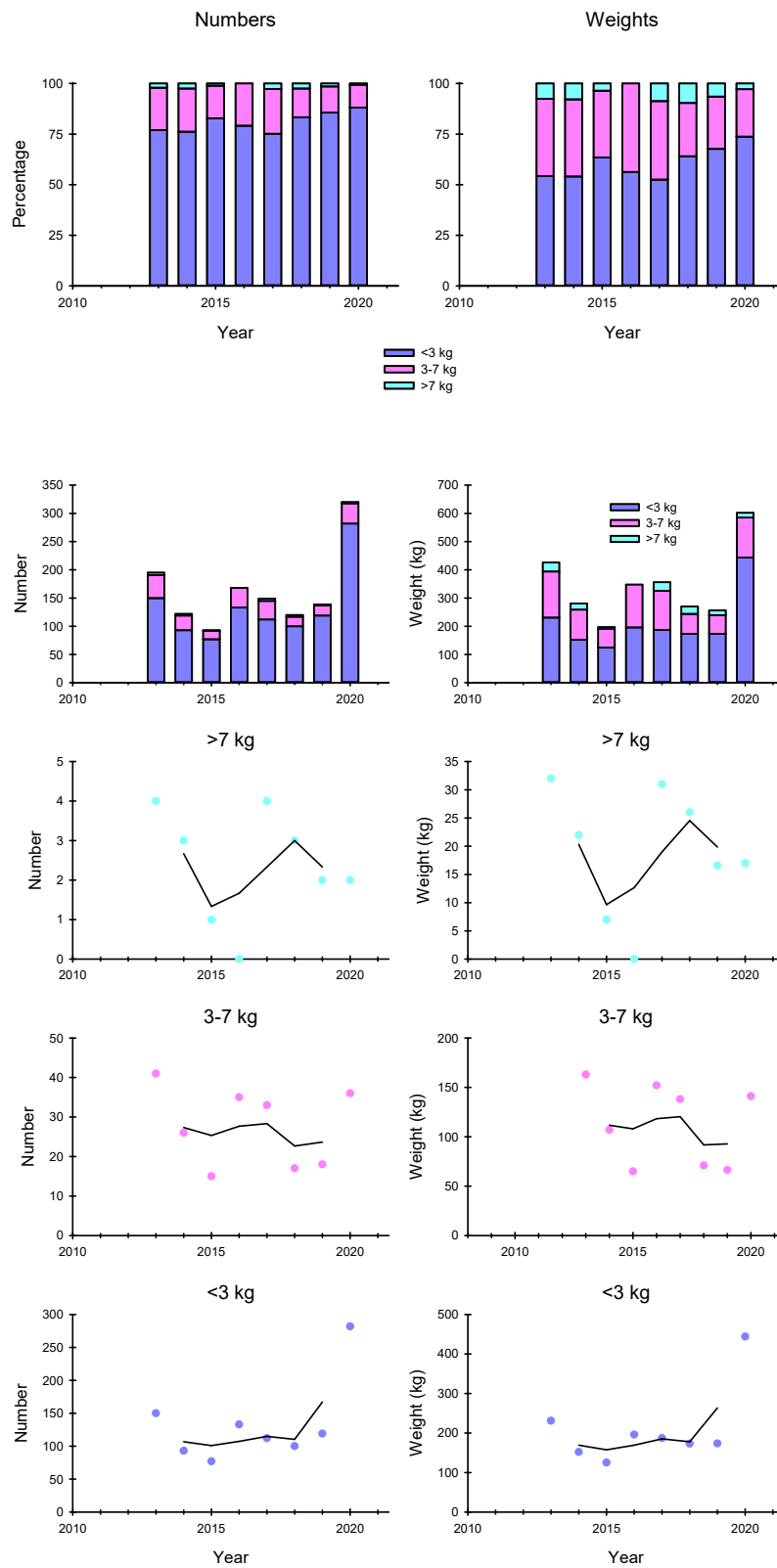


Figure 175. Salmon catches in numbers and weights in three weight groups in the River Lysbotnvassdraget. Source: SSB

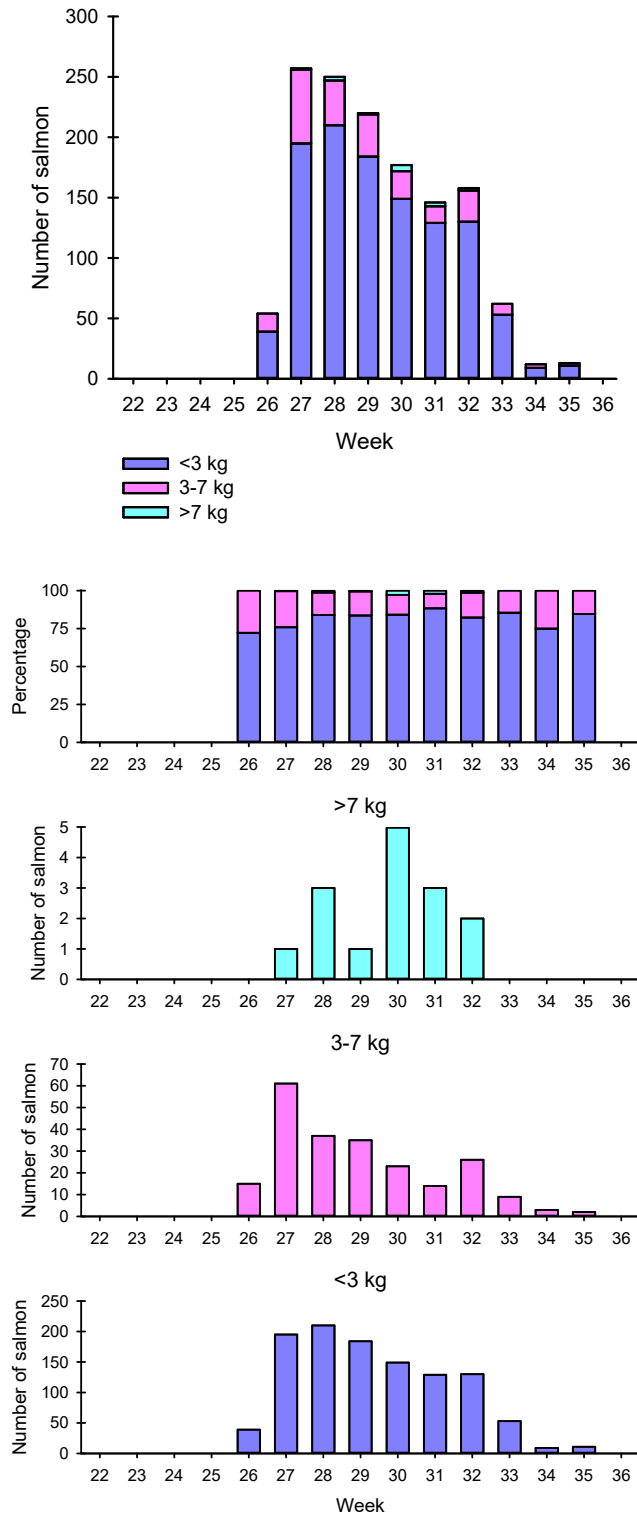


Figure 176. Weekly catch distributions in terms of numbers for three weight groups of salmon in the River Lysbotnvassdraget in the years 2013-2020. Source: SSB

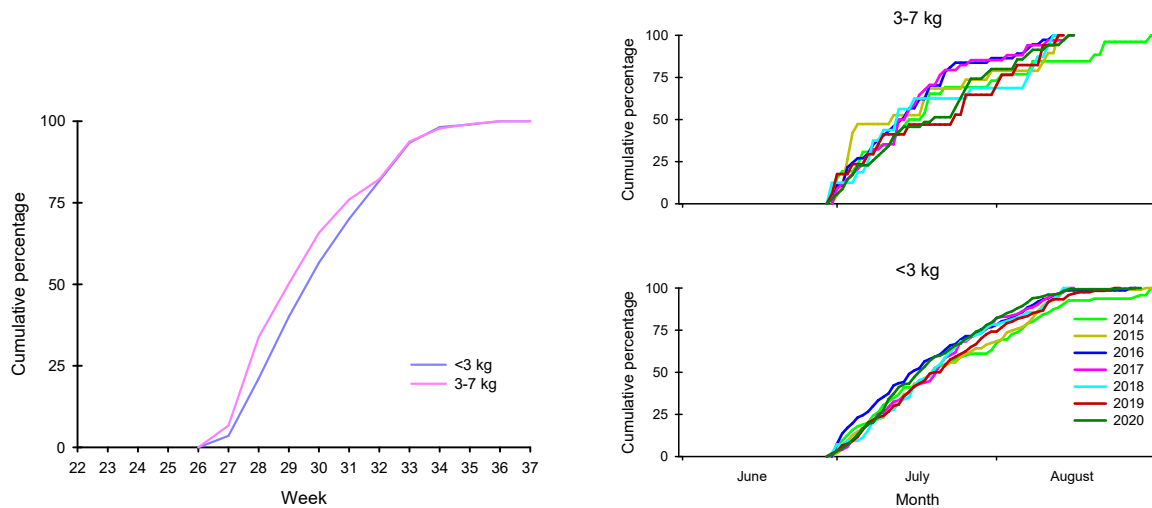


Figure 177. Cumulative catches for two weight groups of salmon in the River Lysbotnvassdraget in the years 2013-2020 (figure on the left) (calculated from the weekly catches) and annual cumulative catches for two weight groups of salmon (figure on the right) (calculated from the daily catches). Source: SSB

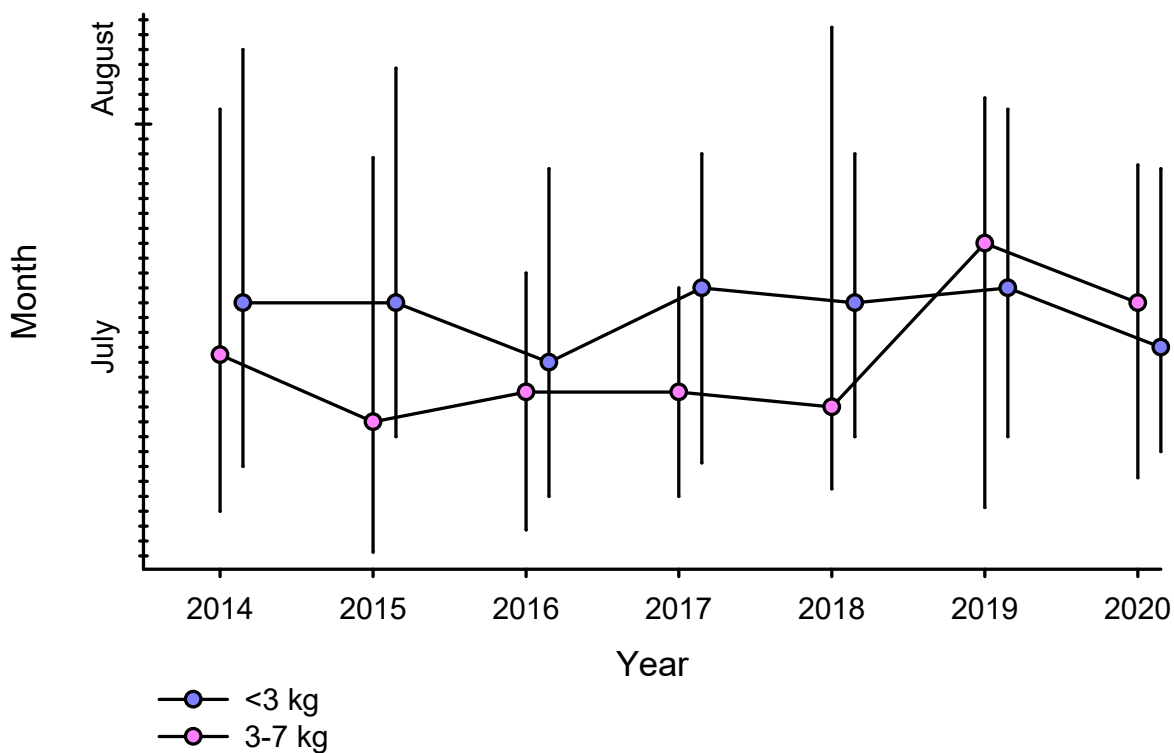


Figure 178. Median dates of capture with upper and lower quartiles for two weight groups of salmon in the River Lysbotnvassdraget (calculated from the daily catches). Source: SSB

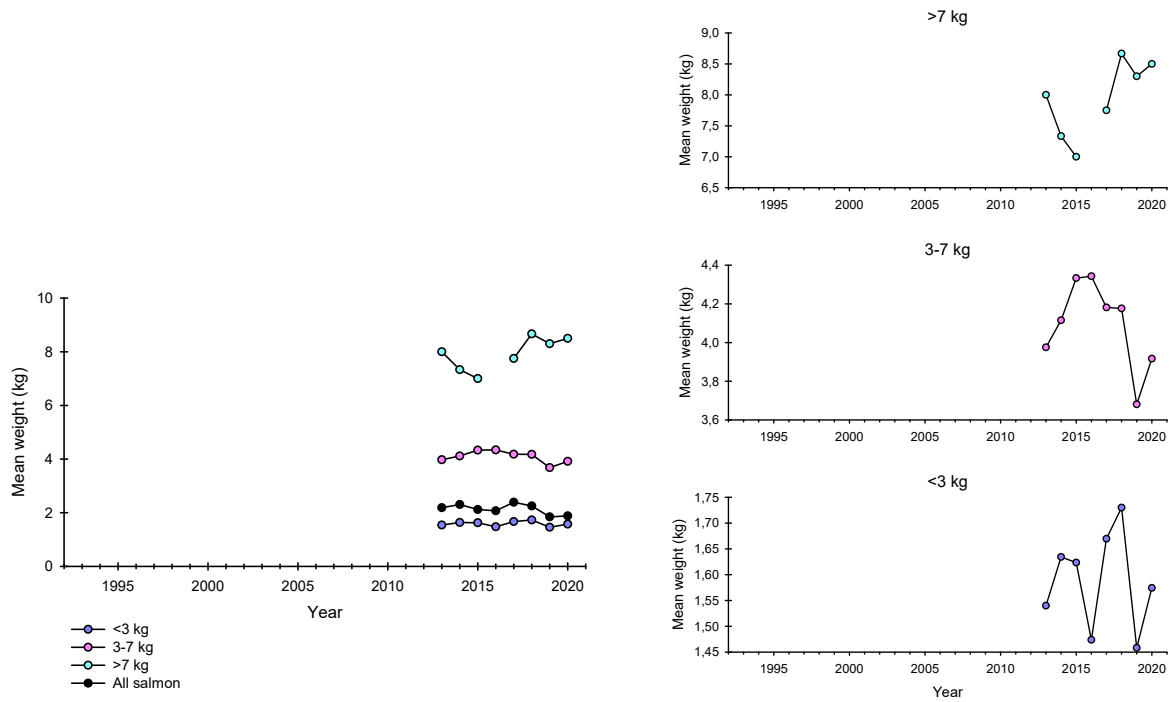


Figure 179. Annual mean weights of salmon for three size groups and for the total mean of all salmon in the River Lysbotnvasdraget (figure on the left) and annual mean weights for small, medium and large sized salmon (figure on the right). Source: SSB

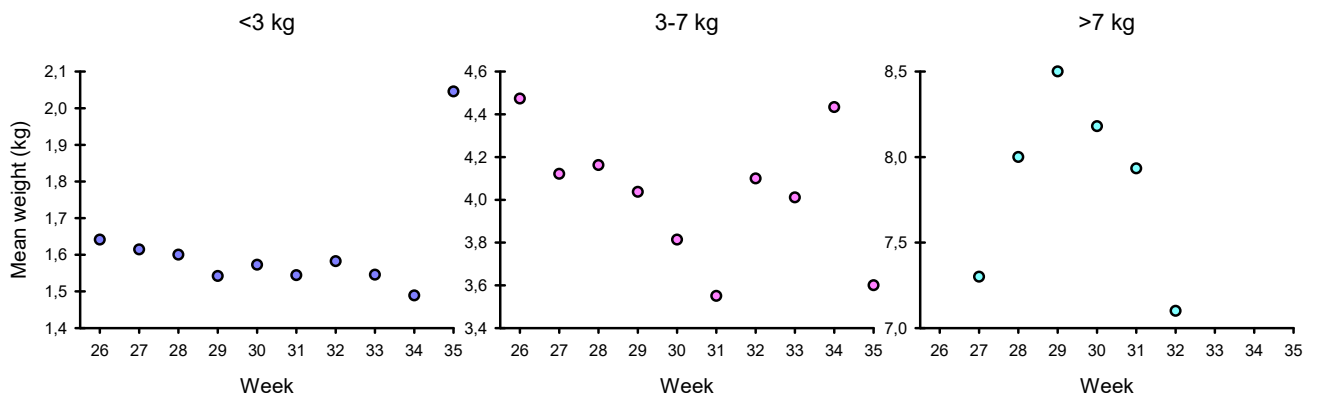


Figure 180. Weekly mean weights of salmon caught in the River Lysbotnvasdraget. Weekly catch data is combined in the years 2013-2020. Source: SSB