



Pink-footed Goose: Population & Assessment Report

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EGMP Population Status and Offtake Assessment Report 2022

Doc. AEWA_EGM_IWG_7_10_EGMP_POPULATION_STATUS_AND_ASSESSMENT_REPORT_2022_REV_2

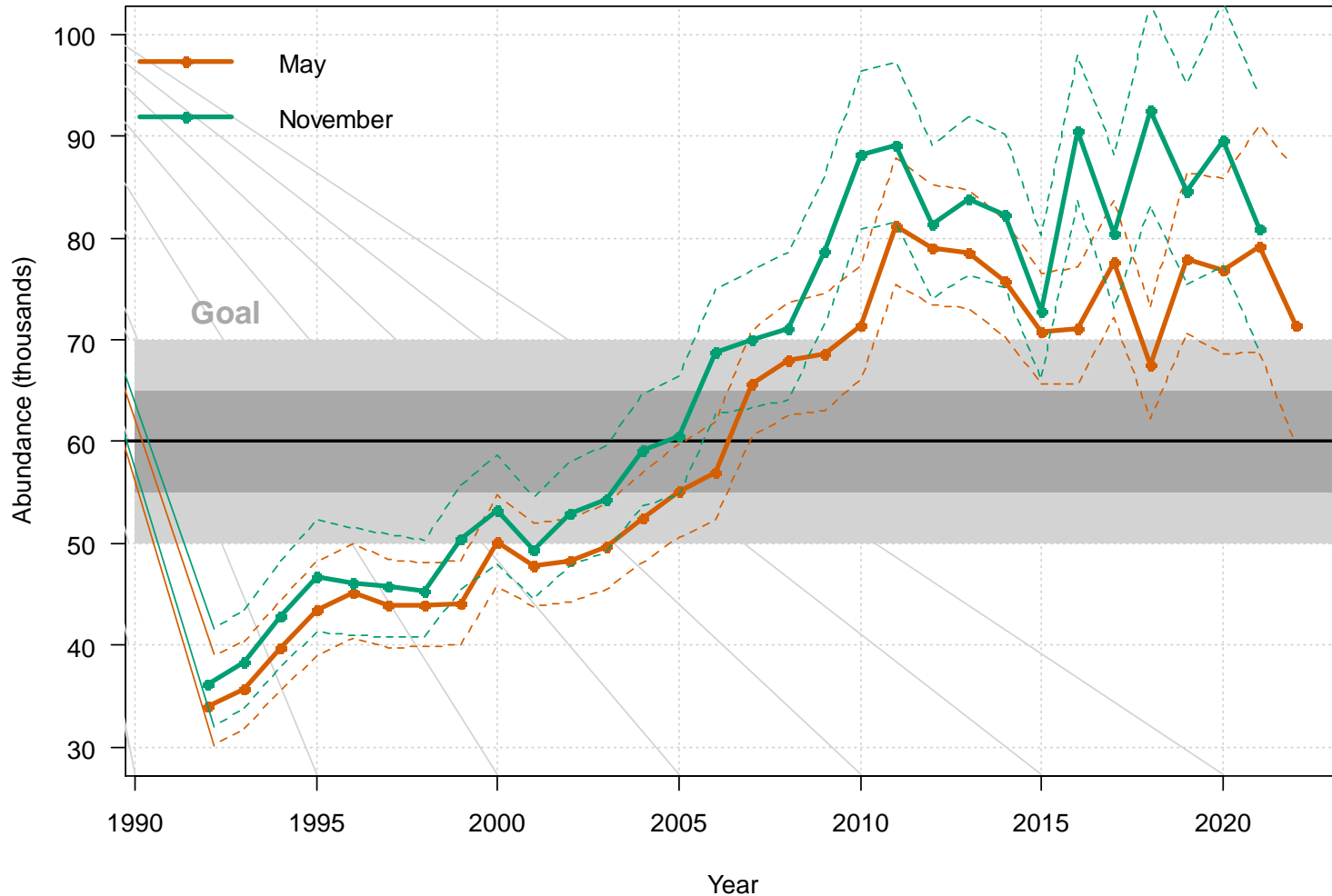


Background

- Range states include Norway, Denmark, Belgium and the Netherlands; recently, includes stopover sites in Sweden and Finland
- Assessment based on an Integrated Population Model first used in 2019 (each year's update can result in minor changes to historic estimates)
- Population target is 60,000 in spring to mitigate agricultural conflicts and damage to tundra habitat
- Each year, a harvest quota necessary to maintain the population near its target is based on May population size and temperatures in Svalbard
- Quota allocated between Norway (30%) and Denmark (70%)

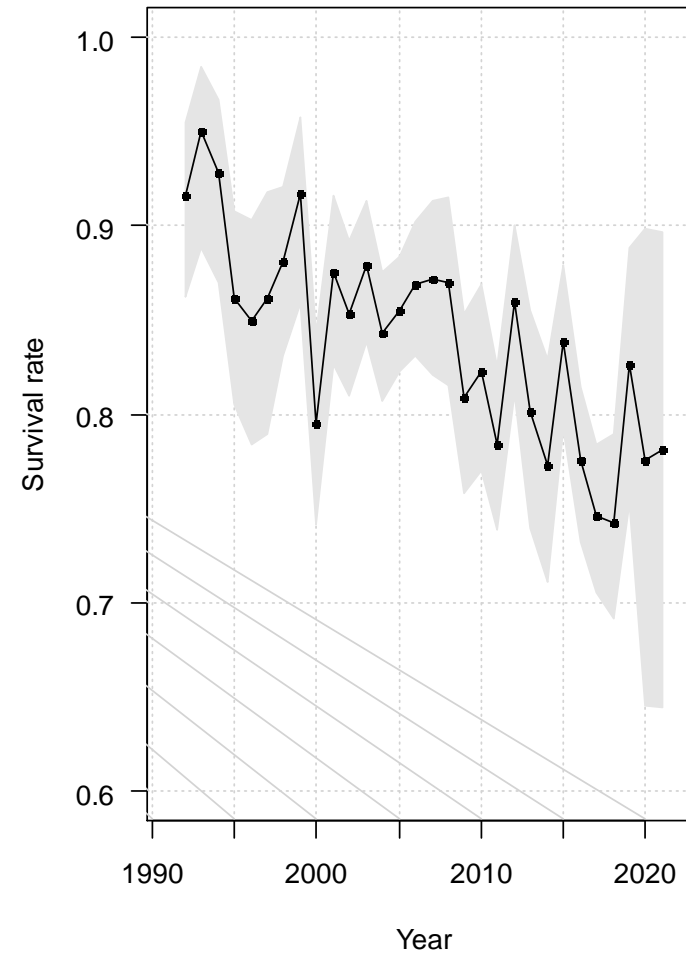
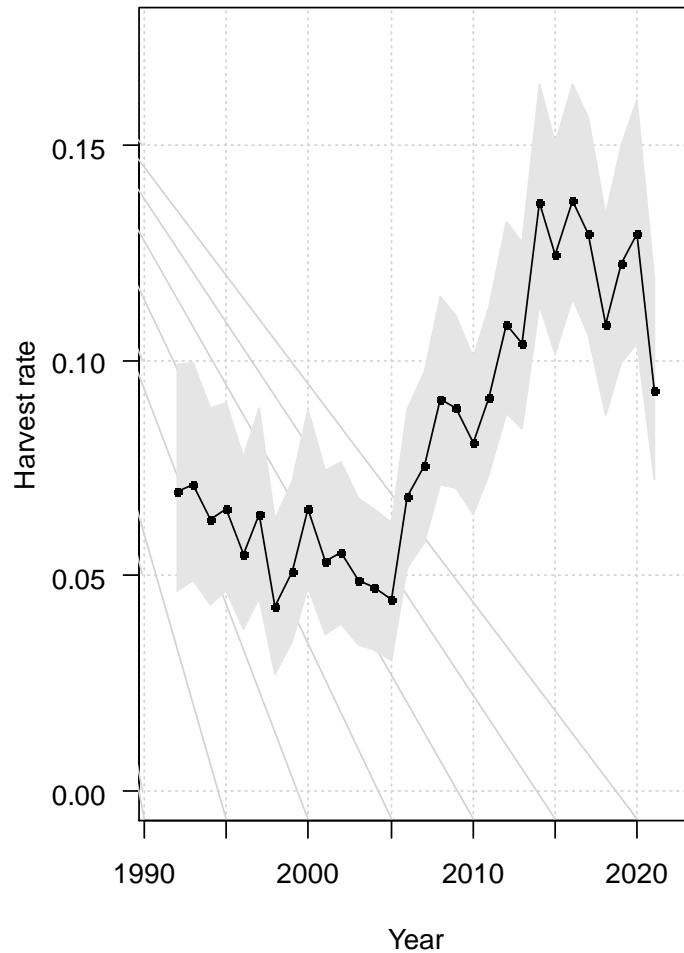


Abundance



- Population size generally stable since implementation of AHM in 2013
- May 2022 population estimate is 71,393 (59,753 – 86,621), following only 2 days above freezing in May 2021

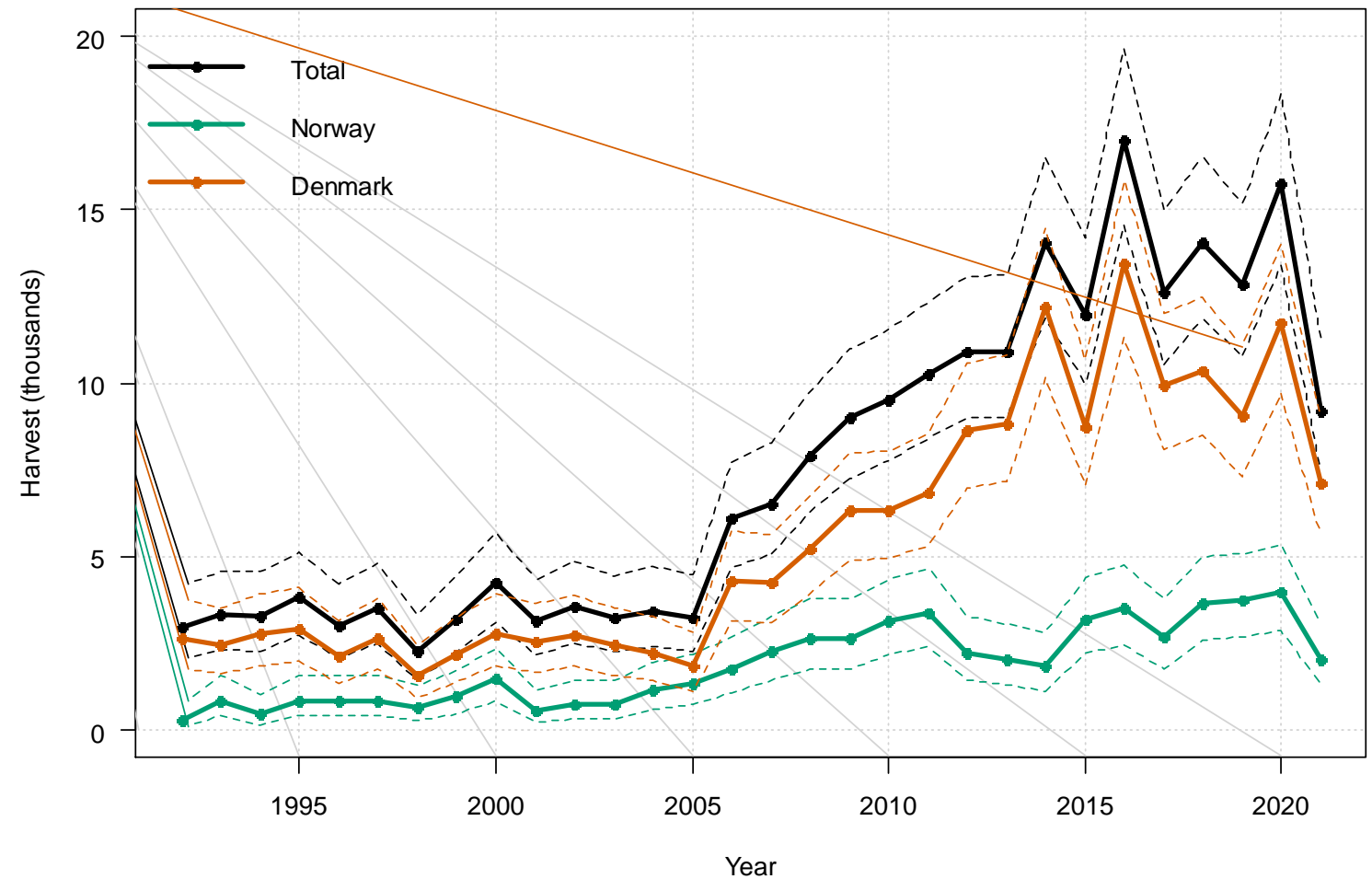
Mortality



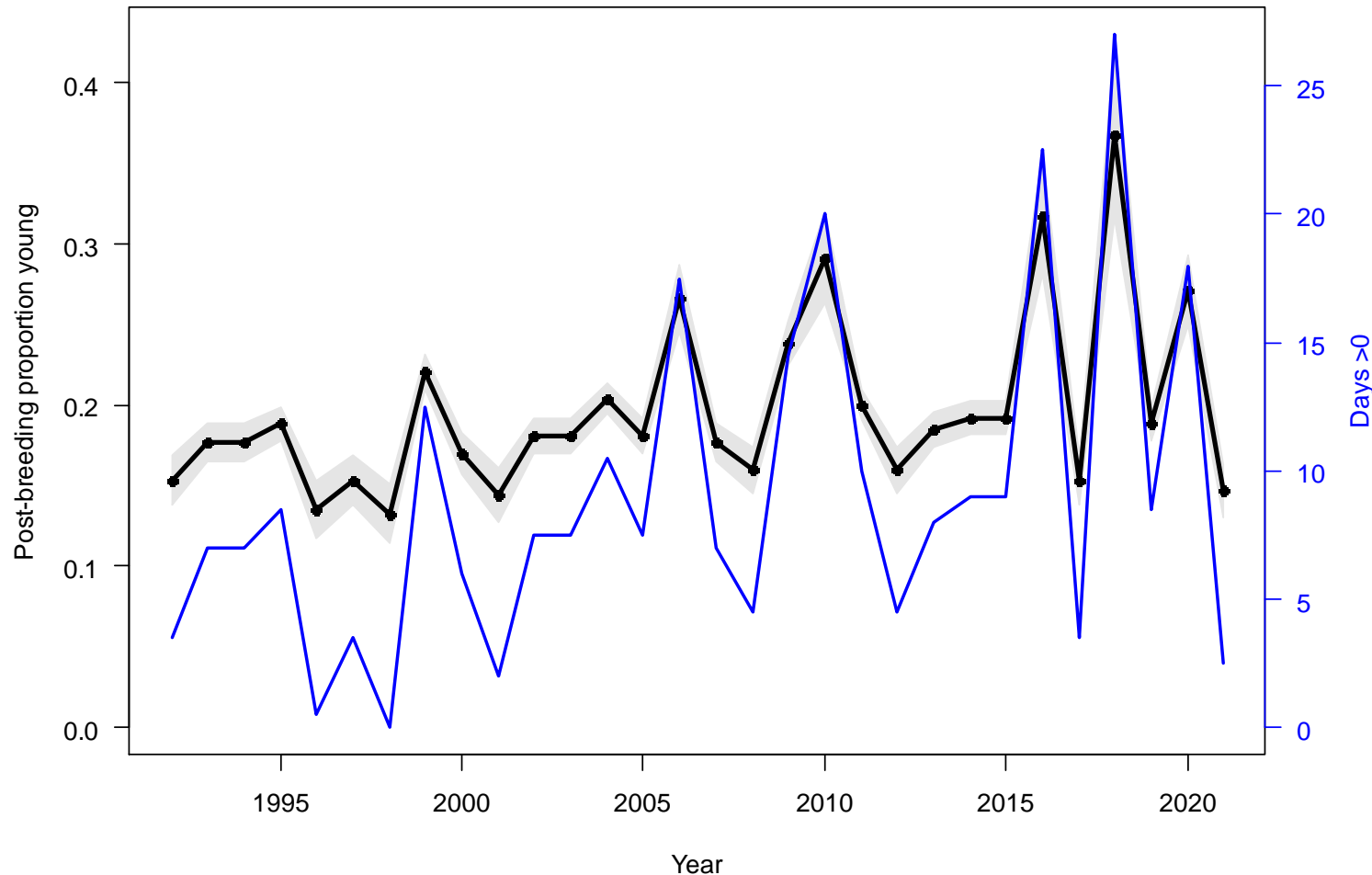
- Adult harvest rates were increasing prior to AHM in 2013, but relatively stable since
- Decline in 2021 likely due to poor production
- Annual survival (all causes) have generally been declining during the period of record

Harvests

- Harvests follow a similar pattern as harvest rates
- Harvest has increased in Denmark much more than Norway
- Decline in 2021 likely the result of low productivity



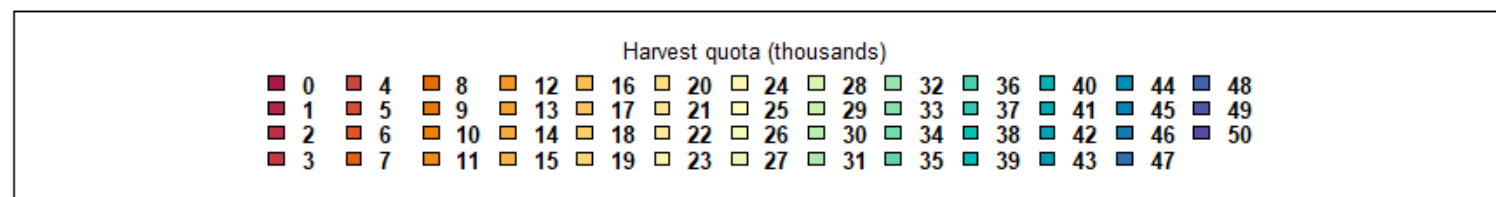
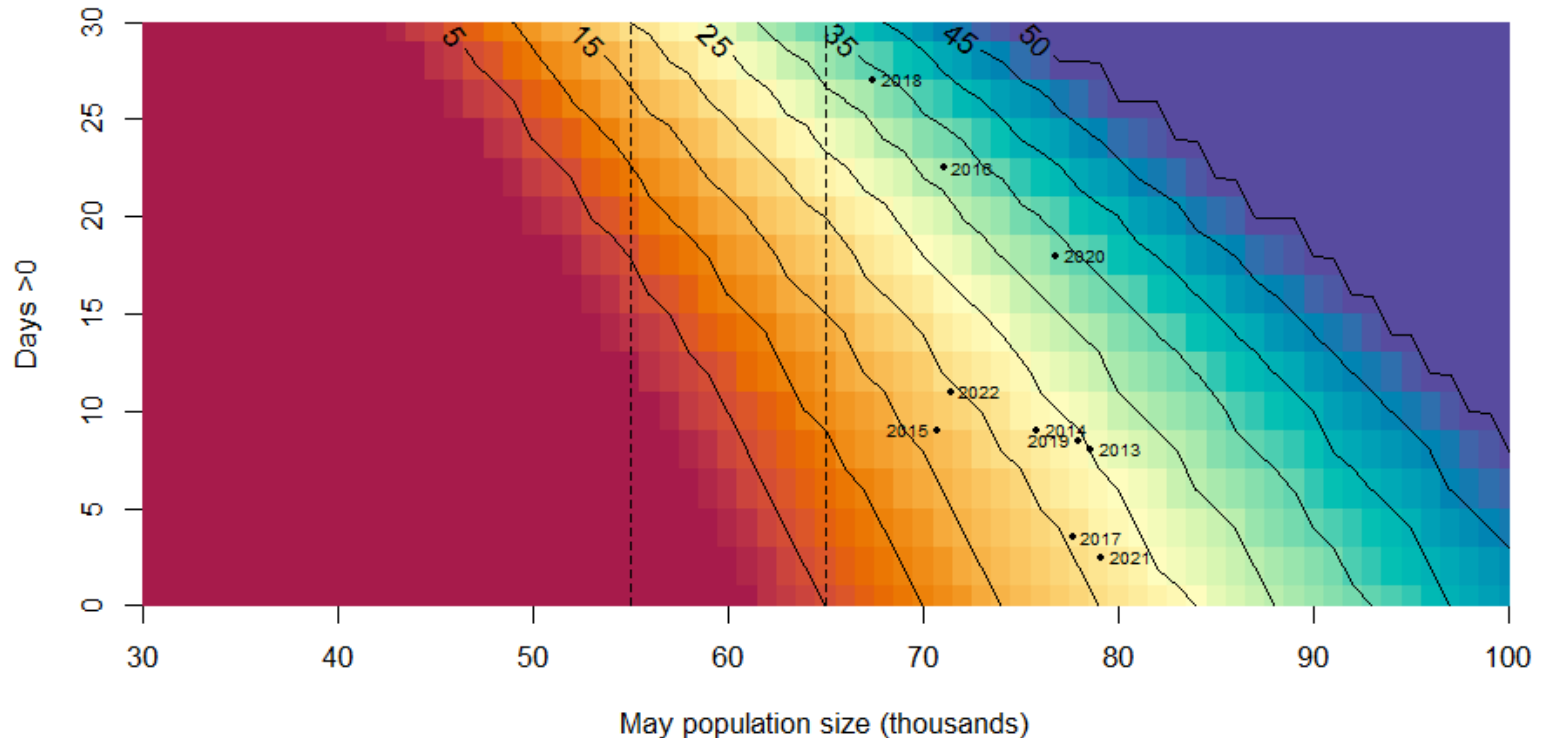
Productivity



- Proportion of young has generally increased over period of record and is highly correlated with days above freezing in May in Svalbard
- In 2021, proportion of young was 15% (13 – 16%) following only 2 days above freezing in May
- Record high proportion was in 2018 (37%) following 28 days above freezing in May

Management guidance

- 2022 harvest strategy based on May population size and days above freezing
- Quotas decrease rapidly for abundance <60,000 and increase rapidly with abundance >60,000 and days above the average (10)
- For pop = 60,000 and days = 10, quota is 5,000
- Optimal quota for 2022 is 19,400 based on pop = 71,400 and days = 11 (5,820 Norway; 13,580 Denmark)



Many thanks to providers of the data

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Decision points

- Agree on harvest quota for 2022/2023 hunting seasons in Norway and Denmark
 - **Optimal quota based on agreed-upon harvest strategy is 19,400 (5,820 Norway; 13,580 Denmark)**
 - *Realized harvest has averaged 12,900 during the last 5 years (66% of this year's quota)*