# 6 Faroes grounds saithe[1]

pok.27.5b – *Pollachius virens* in Division 5.b

## 6.1 Stock description and management units

See the Stock Annex.

## 6.2 Scientific data

### 6.2.1 Trends in landings and fisheries

Nominal landings of saithe from Faroese grounds (Division 5.b) have varied cyclically between 10 000 tonnes and 68 000 tonnes since 1961. After a third high of about 60 000 tonnes in 1990, landings declined steadily to 20 000 t in 1996. Since then, landings have increased to 68 000 tonnes in 2005 (Table 6.2.1.1, Figure 6.2.1.1) but they have declined to 57 000 tonnes in 2008 and 2009. After a substantial drop in landings in 2011 which was the lowest observed since 1999 (33 000 tonnes) landings increased by 20% in 2012 up to 35 000 tonnes. Since 2011, landings have remained below historical average (37 000 tonnes) The total tonnage has decreased from 30 852 tonnes in 2017 to 16 119 tonnes in 2022.

Since the introduction of the 200 miles EEZ in 1977, the saithe fishery has been prosecuted mostly by Faroese vessels. The principal fleet consists of large pairtrawlers (>1000 HP), which have a directed fishery for saithe, about 50–77% of the reported landings in 1992–2011 (Table 6.2.1.2). The smaller pairtrawlers (<1000 HP) and single trawlers (400–1000HP) have a more mixed fishery and they have accounted for about 10–20% of the total landings of saithe in the 1997–2011 period while the percentage of total landings by large single trawlers (>1000 HP) has declined drastically to just 1%. Historically the catch composition by the pairtrawler fleet has accounted for about 75% of the total tonnage for saithe but since 2007 it has increased gradually up to 95% in 2020 due mainly to the gear-shifting of single-trawlers to pair-trawling. The share of catches by the jigger fleet was about 8% in the 1985–1998 period but has decreased to less than 0.5 % since 2000 and it now accounts for only 1% of the total domestic landings for saithe in 2020. Foreign catches that have been reported to the Faroese Authorities but not officially reported to ICES are also included in the Working Group estimates. Catches in Subdivision 2.a, which lies immediately north of the Faroes, have also been included. Little or no discarding is thought to occur in this fishery. Effort (measured as the ratio of nominal to used fishing days by the pair-trawl fleet segment) has diminished considerably in recent years. In the 2013/2014 fishing year, only 58% and 41% of fishing days were utilized in the inner and outer areas respectively while in the 2014/2015 fishing year these ratios went up to 97% and 74%, i.e. 29% of fishing days were not used. In the 2015/2016 and 2016/2017 fishing seasons 20% and 31% of the allocated days for

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[1] This section was last updated Autumn 2023. NWWG response to ADG comments for this stock: The WG examined the current $B_{loss}$ = 36 412 based on the lowest observed SSB. Historical average recruitment is estimated at around 23 million. At $B_{loss}$ and its vicinity recruitment is estimated at 18 million. Therefore recruitment is not considered to be highly impaired at $B_{loss}$ or similarly low values of SSB. The SSB-recruitment plot for Faroe saithe does not show any clear trends but for higher abundances in mid and late 1970s where recruitment was lower than historical mean estimates (14 million). The WG agreed to examine the issue more thoroughly in the coming April 2024 meeting.

the trawl fleet were not used, respectively. In the 2017/2018 fishing year 19% of allocated days were not used. Around 10% of total fishing days were not activated in 2019.

Cumulative landings of saithe for the domestic fleets are shown in Figure 6.2.1.2. The period since 2011 is among the poorest in the time-series. The progression of landings from January to August of 2023 is well below monthly averages.

## 6.2.2    Catch-at-age

Catch-at-age is based on length, weight and otoliths samples from Faroese landings of small and large single and pairtrawlers, and landing statistics by fleet provided by the Faroese Authorities. Catch-at-age is calculated for each fleet by four-month periods and the total is raised by the foreign catches. Minor adjustments were made to the catch-at-age matrix for 2014 due to revised final catch statistics (Tables 6.2.2.1 and 6.2.2.2). Most of the age-disaggregated catch matrix is comprised of catches of the pair-trawl fleet (Figure 6.2.2.2). Since 2010, catch numbers are mostly comprised of age groups 4 to 6, whereas in the period from 2005 to 2009 they were mainly composed of age groups 4 to 8. The progression of the strong 2012- and 2016-year classes (age 3 in 2015 and 2019, respectively) can be easily tracked in the catch matrix. Numbers of all age groups but age 4 and 6 are lower in 2022 compared to 2021. Partial catch-at-age numbers for 2023 are compiled using sampling from January to June. These values are scaled up to estimated landings to the end of the year.

The sampling program and sampling intensity as well as the approach used in compiling catch numbers is the same as in preceding years. A summary of sampling levels since 2012 is illustrated in Table 6.2.2.3.

## 6.2.3    Weight at age

Mean weights at age have varied by a factor of about 2 since 1961. Mean weights at age were generally high during the early 1980s and they subsequently decreased from the mid-1980s to the early 1990s (Table 6.2.3.1 and Figures 6.2.3.1.a and 6.2.3.1.b). Mean weights increased again in the period 1992–1996 but have shown a general decrease thereafter. With the exception of 3-years old saithe, all age groups were showing signs of increasing size since 2006. In 2011, age-classes 4 to 6 were close or at long-term average. From 2012 to 2014, weight was below average for age groups 3 to 7. Age classes 7 and older are above historical average since 2014 whereas younger age groups (4–6) are lower than average. Mean weight of 3 years old saithe increased from 1.07 kg in 2016 to 1.57 kg in 2018 (50% increase) and it's 1.37 kg in 2020. Weights for all age groups but age 6 and 7 are estimated above historical average since 2019. Weight-at-age data are predicted with a Gaussian Markov Random Field (GMRF) with cohort and within year correlations in the forecast. Mean weights at age in the stock are assumed equal to those in the catch.

## 6.2.4    Maturity-at-age

Maturity-at-age data from the spring survey is available from 1983 onward (Steingrund, 2003.) Due to poor sampling in 1988, the proportion mature for that year was calculated as the average of the two adjacent years. At the benchmark workshop (WKFAROE) in 2017, maturity ogives were smoothed via a 10-year running average. The period for averaging was chosen as a compromise between retaining long-term trends and reducing noise in the data. For 1962–1982, the average maturity of estimated maturities of the 1983–1996 period was used. Maturity decreased from the mid-1990s to 2006 and it shows an increasing trend for all age groups since 2010. (Table 6.2.4.1 and Figure 6.2.4.1.)

Faroe saithe begins to mature at 3 years old, approximately 20% are mature at age 4, 50% at 5 years old and 100% are mature at age 9 and onwards.

## 6.2.5 Indices of stock size

### 6.2.5.1 Surveys

There are two annual groundfish surveys conducted in Faroese waters.

The surveys design is a classical random stratified design with fixed stations. The number of stations in the spring survey are 100 and the number of stations in summer are 200. Both surveys cover depths from 60 to 500 meters. The coverage of both surveys is, however, very poor for juvenile saithe, which is largely distributed in coastal areas very close to shore and therefore the surveys do not provide reliable measurements of incoming recruits. Moreover, as a result of the schooling nature of saithe variability of indices is higher than that for species like cod and haddock. The spring survey consists of time-series data since 1994 while the summer series were initiated in 1996. Historical data dating back to early 1980s exist but are unfortunately not available for analysis, although work is in progress to recover and compile these data in upcoming meetings. Both time-series cover to a large degree the traditional fishing grounds of saithe in the Faroe shelf.

Standardized biomass and abundance indices from both surveys are shown Figure 6.2.5.1.1.

In addition, abundances of fish 50 cm and smaller as a proxy for recruitment are calculated from the surveys. Catch rates (kg/hour) are also presented in Figure 6.2.5.1.2. There are seasonal effects in the series but both surveys suggest low abundances of saithe in the 1990s, followed by an increase in stock biomass until 2004 and a decline from 2005 to around 2010. From 2010 to 2016, both indices were in good agreement and indicated that stock abundance was quite stable at low levels. The summer survey index decreased from 2016 to 2022. Since 2018 the summer index has fluctuated without clear trend. The spring survey suggests a drop in stock biomass from 2019 to 2023. There are contradictory signals of both surveys from 2022 to 2023. The coefficient of variation (CV) of the summer index (CV = 18%, log-scale) is higher than the spring survey (CV = 13%, log-scale). The agreement between the survey indices measured by their correlation is estimated at $R^2 = 0.37$.

The progression of the 2012 year class in the fishery is also confirmed in both age-disaggregated indices (Figure 6.2.5.1.3 and Table 6.2.5.1.1). There are conflicting signals regarding recruitment estimates in survey indices. The recruitment index for 2019 from the spring survey (numbers of aged 3 individuals) is estimated to be the largest since 1994, whereas the summer survey indicates that recruitment strength is very low. In general, both surveys suggest poor incoming recruitment and a general lack of year classes in the stock, although numbers of age 3 individuals in the summer index in 2023 are the largest since 2014. Length compositions support the trends observed in the age-disaggregated indices (Figures 6.2.5.1.4 and 6.2.5.1.5)

The internal consistency of the summer survey measured as the correlation between the indices for the same year class in two adjacent years is good with $R^2$ ranging from 0.5 to 0.7 for the best-defined age groups, and $R^2$ varying between 0.2 and 0.4 for other age classes (Figures 6.2.5.1.6 and 6.2.5.1.7). The internal consistency of the summer index is overall inferior to the spring index. The spring survey shows a stronger internal consistency with $R^2$ ranging from 0.70 to 0.9 for the best-defined ages.

### 6.2.5.2 Commercial CPUE

The CPUE data from pairtrawlers have been used for tuning the assessment of saithe from 2000 to 2016. At the benchmark working group (WKFAROE, 2017), the series were replaced by

fisheries-independent survey indices. A description of the commercial CPUE data can be found in the stock annex. The commercial CPUE data have not been compiled since 2016.

### 6.2.5.3 Information from the fishing industry

No additional information beyond the landings from the commercial fleet was presented for incorporation in the assessment.

# 6.3 Methods

Faroe saithe was benchmarked in 2017 (WKFAROE). The SAM (state-space assessment model) framework was adopted as the basis for advice. Input data for the assessment was revised, e.g. maturity ogives (Section 6.2.4) and survey indices (Section 6.2.5.1). Configuration of the SAM model was slightly modified at the NWWG meeting in 2017. Some changes were incorporated into the SAM model in 2020. These modifications were carried out by correspondence in an intersessional process and agreed by external experts (see Annex 7 in the 2020 NWWG report). The changes caused improvements in the model performance and diagnostics. See Stock Annex for detailed information on the configuration options for the adopted SAM model. Biological reference points were re-calculated but the adopted reference points from the benchmark in 2017 were not revised. In 2022 an interbenchmark workshop (IBPFAR 2022) was conducted to investigate the inclusion of interim catch-at-age (ICAA) in the assessment year. Disaggregated catch numbers were raised to estimated landings to the end of the year according to a linear regression of seasonal (January to September) to final annual catches. In addition, to account for the larger uncertainty of the last year's catches the observation variance of those observations were doubled, which corresponds to around 41% increased standard deviation. Weight-at-age data were predicted using a Gaussian Markov Random Field (GMRF) with cohort and within year correlations in the SAM model. The inclusion of the ICAA in the final year did overall improve the retrospective pattern for 2022 (SSB: rho=24%, Fbar: rho=−11%). In the retrospective pattern of the SSB no individual peels are outside the confidence intervals of the model. The inter benchmark did not explore additional assessment runs. No modifications were performed to the model settings in 2023. The assessment results are available on [www.stockassessment.org](http://www.stockassessment.org) under the following code: fsaithe-NWWG-2023.

# 6.4 Reference points

## 6.4.1 Biological reference points and MSY framework

At the NWWG in 2017, reference points were revised according to the ICES guidelines (ICES fisheries management reference points for category 1 and 2 stocks). The software used to implement the calculations was EqSim. The procedure was as follows:

$B_{pa}$ = $B_{trigger}$ was set to 41 400 t (lowest historical SSB).

$B_{lim}$ was calculated according the equation: $B_{pa} = B_{lim} \times \exp(\sigma \times 1.645) = 29\ 571$ t. where $\sigma = 0.20$ (as suggested by ACOM)

The $F_{MSY}$ estimation process consisted of 3 simulations:

**1. Simulation 1. Get $F_{lim}$**

$F_{lim}$ is derived from $B_{lim}$ by simulating the stock with segmented regression S-R function with the point of inflection at $B_{lim}$.

$F_{lim}$ is the F that, in equilibrium, gives a 50% probability of SSB > $B_{lim}$

The simulation was conducted with:

- fixed F (i.e. without inclusion of a $B_{trigger}$)
- without inclusion of assessment/advice errors.

**2.    Simulation 2. Get initial $F_{MSY}$**

$F_{MSY}$ should initially be calculated based on:

- a constant F evaluation
- with the inclusion of stochasticity in population and exploitation as well as assessment/advice error.
- SRRs (using all; Ricker, Beverton–Holt, Segmented)
- Uncertainty parameters used:

```
## Assessment error

sigmaF      <- 0.18 #  SAM value of uncertainty from 2016

sigmaSSB <- 0.2 #   0.23 SAM value of uncertainty from 2017,
changed to default=0.2 (ACOM)


## Advice error

cvF    <- 0.39 ; phiF    <- 0.81

cvSSB <- 0.28 ; phiSSB <- 0.82


## Biological parameters and selectivity

numAvgYrsB <- 20   # Biological

numAvgYrsS <- 20   # Selection
```

To ensure consistency between the precautionary and MSY frameworks, $F_{MSY}$ is not allowed to be above $F_{pa}$, i.e. $F_{MSY}$ is set to $F_{pa}$ if this initial $F_{MSY}$ estimate is higher than $F_{pa}$.

**3.    Simulation 3. Get final $F_{MSY}$**

MSY $B_{trigger}$ should be selected to safeguard against an undesirable or unexpected low SSB when fishing at $F_{MSY}$. The ICES MSY advice rule should be evaluated to check that the $F_{MSY}$ and MSY $B_{trigger}$ combination adheres to precautionary considerations; in the long term, $P(SSB < B_{lim}) < 5\%$

The evaluation includes:

- realistic assessment/advice error (see above)
- stochasticity in population biology and fishery exploitation.
- SRRs (using all; Ricker, Beverton–Holt, Segmented)

The new reference points are illustrated in the table below:

| Biological reference points | NWWG 2017 | Basis |
|---|---|---|
| $B_{trigger}$ | 41 400 t. | $B_{loss}$ |
| $B_{lim}$ | 29 571 t. | $B_{pa}/1.4$ |
| $B_{pa}$ | 41 400 t. | $B_{loss}$ |
| $F_{lim}$ | 0.7 | Stochastic simulations (ICES, 2017) F50% F that gives a 50% probability of SSB > $B_{lim}$ |
| $F_{pa}$ | 0.30 | Fp05, P(SSB<Blim)<5% |
| $F_{MSY}$ | 0.30 | Stochastic simulations (ICES, 2017). |

At the IBPFAR MSY and PA reference points for the stock were recalculated with EqSim following the Guidelines for ICES fisheries management reference points for category 1 and 2 stocks (ICES, 2021a). The Saithe stock was taken as conforming to "Type 1", a spasmodic stock showing occasional large year classes. $B_{lim}$ is based on the lowest SSB, where large recruitment is observed ($B_{loss}$=36 412 tonnes). The settings for the simulations are the following:

| Parameter | Value |
|---|---|
| sigmaF | 0.215 |
| sigmaSSB | 0.229 |
| noSims | 1001 |
| SRused | Segreg_Bevholt_Ricker |
| SRyears_min | 1961 |
| SRyears_max | 2020 |
| acfRecLag1 | 0.49 |
| rhoRec | FALSE |
| numAvgYrsB | 5 |
| numAvgYrsS | 10 |
| cvF | 0.212 |
| phiF | 0.423 |
| cvSSB | 0 |
| phiSSB | 0 |

The revised reference points are shown in the table below.

| | MSY Reference points | | PA Reference points | | | | |
|---|---|---|---|---|---|---|---|
| | MSYB$_{trigger}$(tonnes) | F$_{MSY}$ | B$_{lim}$(tonnes) | F$_{lim}$ | B$_{pa}$(tonnes) | F$_{pa}$ | Fp05 |
| WKFAROE | 41 400 | 0.30 | 29 571 | 0.70 | 41 400 | 0.30 | 0.30 |
| IBPFAR | 36 412 | 0.38 | 24 990 | 0.98 | 36 412 | 0.62 | 0.62 |

Graphical output of the simulations are presented in Figures 6.4.1.1 and 6.4.1.2.

# 6.5 State of the stock

Recruitment of saithe (numbers of 3-years old individuals) oscillated between 9 to 80 million from 1961 to 2022 with larger numbers than the historical average (26 million) from late 1960s to early 1970s and in late 1980s followed by a period of low recruitment from 1988 to 1997 (Figure 6.5.1). Estimated recruitment increased substantially to 66 million in 2001 as the strong 1998 year class entered the fishery. Recruitment has fluctuated with no clear trend around an average of 35 million from 2005 to 2015. Since 2019 recruitment estimates have declined to historical low levels in both 2022 and 2023. Average fishing mortality ($F_{bar}$ = average F for ages 4–8) increased steadily from $F_{bar}$ = 0.28 in 1973 to $F_{bar}$ = 0.64 in 1991 causing a decrease in spawning-stock biomass (SSB) from 162 kt to 83 kt. Although fishing mortality dropped substantially in the mid and late 1990s SSB continued to be low coupled with a period of poor incoming year classes. F increased from $F_{bar}$ = 0.42 in 2005 to $F_{bar}$ = 0.62 in 2010 resulting in the largest landings of the whole period (above 60 kt). Estimated F in 1991 ($F_{bar}$ = 0.64) was the highest in the time-series and although it went down to 0.35 in 2000 this did not prevent the SSB to decrease at around 50 kt in 1996. The saithe fishery is characterized with significant changes in the selection pattern (Figure 6.5.1.a). The spawning-stock biomass (SSB) was estimated at its highest in the mid-1970s due to low fishing mortality (~$F_{bar}$ = 0.26) and higher than average recruitment. Fbar is estimated below $F_{msy}$=0.38 since 2020. SSB increased substantially from 1997 to 2005 due to the maturation of the strongest observed 1998-year class (age 3 in 2001). SSB has never been below MSY B$_{trigger}$ (36 412 tonnes). Since 2019 SSB is stable at around 50 000 t.

Patterns in landings follow approximately a cycle of three distinctive peaks. Catches have remained below historical average (37 000 tonnes) since 2010. Nominal landings of saithe were 16 119 tonnes in 2022. Effort (number of fishing days) has decreased in recent years with around 20% to 30% of deactivated fishing days. Catches are assumed equal to landings.

Age-disaggregated fishing mortalities and stock numbers are presented in Tables 6.5.1 and 6.5.2, respectively. The stock summary table is shown in Table 6.5.3 and a summary of the model parameter estimates is presented in Table 6.5.4. The residuals plots show a reasonably random distribution in all the series (Figure 6.5.2). The relation between SSB and recruitment of saithe is shown in Figure 6.5.3.

# 6.6 Short-term forecast

## 6.6.1 Input data

SAM provides a forecast module which can simulate the stock in the period following the assessment year under certain assumptions and taking into account the uncertainty estimated in the model fit. The input data for the short-term forecast are described in the stock annex. The

main features of the input for prognosis are the estimation of catch-weights in the assessment year by the model described in Section 6.2.3 and assuming mean maturity ogives over the previous five years. Recruitment is taken randomly from the last five years (excluding last estimated recruitment) and therefore the uncertainty in the recruitment pattern is captured in the forecast. The exploitation pattern is estimated internally in the SAM model and therefore not restrained by the use of arbitrary historical averages.

Input data for the prediction are presented in Table 6.6.1.1 and the stock projection in Figure 6.6.2.1.

## 6.6.2      Projection of catch and biomass

Results from predictions with management option is presented in Table 6.6.2.1 and Figure 6.6.2.1. Catch options are presented for five different scenarios, $F_{MSY}$, $F_{pa}$, $F_{lim}$, F-status-quo and F = 0.

According to the $F_{MSY}$ advice ($F_{MSY}$ = 0.38) catches are projected to 15 323 t in 2024 resulting in a SSB of 52 547 t. assuming a recruitment estimate of 8611 mill. In these conditions, SSB will go up to 51 224 t in 2025. The difference in the $F_{msy}$ advice given in 2022 and this years' advice is −14%.

## 6.7      Yield-per-recruit

### 6.7.1      Input data to yield-per-recruit

For the yield-per-recruit calculations the average of last 15 years is assumed both in the selection pattern and in the biological parameters. $F_{max}$ and $F_{0.1}$ are estimated at $F_{max}$ = 0.36 and $F_{0.1}$= 0.14, respectively.

Results from the yield-per-recruit analysis are shown in Table 6.7.1 and Figure 6.7.1.

## 6.8      Uncertainties in assessment and forecast

Historically, the assessment of saithe was based on an XSA model calibrated with fisheries-dependent data (see Section 6.2.5.2). In 2017, the assessment framework adopted was SAM using fisheries-independent indices (see Section 6.2.5.1).

The assessment of Faroe saithe is relatively uncertain due to lack of good tuning data. Survey data for saithe are not as reliable of stock trends as for other gadoid species like cod and haddock. Saithe is a highly schooling, widely migrating and partly pelagic species. Moreover, saithe shows up in surveys with few year classes (usually one or two) dominating the entire haul composition making it difficult to assess the true state of the stock. There are also indications of time-varying selectivity, so changes in the commercial catch-at-age may not reflect changes in the age distribution of the population. However, both in 2022 and 2023 the assessment runs are quite consistent with low bias and retrospective peels within the model uncertainty bands.

The retrospective pattern of the SAM model shows that F is underestimated and subsequently SSB is overestimated. (Figure 6.8.1). The retrospective pattern in recruitment estimates has stabilized compared with the historical XSA model. Recruitment estimates for saithe stocks are notoriously unreliable as no measurements of juveniles are available until they reach age 3 or older and therefore forecasts are rather uncertain. Time-varying selectivity leads to high uncertainty in the estimates of current and future SSB and fishing mortality. Mohn's rho parameter (in percentage) are estimated at 20%, −11% and 84% for the spawning-stock biomass, F and recruitment, respectively. The difference between the 2021 assessment and the new adopted assessment model at the IBPFAR in 2022 is illustrated in the table below.

| rho | NWWG 2021 | IBPFAR 2022 |
|---|---|---|
| R(age 3) | 0.98 | 0.90 |
| SSB | 0.33 | 0.23 |
| Fbar(4–8) | −0.13 | −0.11 |

## 6.9    Comparison with previous assessment and forecast

The Faroe saithe assessment was benchmarked in 2017 (WKFAROE). Input data (new maturity ogives and adoption of survey indices) and assessment method were modified and therefore the historical stock perception of the stock has changed to some extent. Some changes were incorporated into the SAM model in 2020. The modifications were carried out in an intersessional benchmark (IBP Faroese stocks) and agreed by external experts (see Stock Annex).

At the IBPFAR (ICES, 2022) the assessment, MSY and PA reference points for the stock were revised. Partial catch-at-age data for the intermediate year were compiled and associated with larger uncertainty in the observation variance. Weights in the catch-at-age were predicted with a GMRF model with cohort and within year correlations in the SAM model. EqSim simulations were run following the Guidelines for ICES fisheries management reference points for category 1 and 2 stocks (ICES, 2021a). The Saithe stock was taken as conforming to "Type 1", a spasmodic stock showing occasional large year classes. $B_{lim}$ is based on the lowest SSB, where large recruitment is observed ($B_{loss}$=36 412 tonnes).

The updated assessment suggests a downwards revision in SSB with respect to the 2022 assessment (Figure 6.9.1). The 2022 assessment estimated $F_{4-8}$=0.27 in 2022 while the 2023 assessment suggests that fishing mortality was slightly higher ($F_{4-8}$=0.30). Recruitment is revised downwards with respect to the 2022 assessment.

The advice change (advice value for 2024 relative to the advice value for 2023) was −14 % due to lower estimates of SSB and recruitment in the present assessment.

## 6.10    Management plans and evaluations

Currently, no management plan exists for saithe in Division 5.b. An effort management system has been in place since 1996. Work on a new management system started in 2018 and was finalized in 2019. A reform in the current management system establishes the fishing year to start on 1 January.

## 6.11    Management considerations

Management consideration for saithe is under the general section for Faroese stocks.

From 2019, advice for saithe will be issued in June and autumn as a consequence of the availability of the summer index to the WG before the end of the assessment year.

The Faroese authorities implemented in 2021 a management plan (Anon. 2019) that regulates the number of fishing days in the fishery for cod, haddock and saithe on the Faroe Plateau. The plan is supposed to be used for the years to come. Due to this management plan, this fishery was in September 2021 certified as sustainable by the Marine Stewardship Council. The management plan has not yet been evaluated by ICES and therefore ICES bases its advice on the MSY approach.

## 6.12    Ecosystem considerations

No evidence is available to indicate that the fishery is impacting the marine environment.

## 6.13    Regulations and their effects

There seems to be no relationship between number of fishing days and fishing mortality, probably because of large fluctuations in catchability. Seasonal area restriction is an alternative to reduce fishing mortality and additional real-time closures are also implemented to protect small saithe in Faroese waters. In 2021, areas closed to trawling activities were opened to trawlers.

## 6.14    Changes in fishing technology and fishing patterns

See Section 6.2.

## 6.15    Changes in the environment

According to existing literature, the productivity of the ecosystem clearly affects both cod and haddock recruitment and growth (Gaard *et al.*, 2002), a feature outlined in Steingrund and Gaard (2005). The primary production on the Faroe Shelf (< 130 m depth), over the period May through June, varied interannually by a factor of five, giving rise to low- or high-productive periods of 2–5 years duration (Steingrund and Gaard, 2005). The productivity over the outer areas seems to be negatively correlated with the strength of the Subpolar Gyre (Hátún *et al.*, 2005; Hátún *et al.*, 2009; Steingrund *et al.*, 2010), which may regulate the abundance of saithe in Faroese waters (Steingrund and Hátún, 2008). When comparing a gyre index (GI) to saithe in Faroese waters there was a marked positive relationship between annual variations in GI and the total biomass of saithe lagged 4 years (Figures 6.15.1 and 6.15.2)

There is a negative relationship between mean weight-at-age and the stock size of saithe in Faroese waters. This could be due to simple density-dependence, where there is a competition for limited food resources. Stomach content data show that the food of saithe is dominated by blue whiting, Norway pout, and krill, and the annual variations in the stomach fullness are mainly attributable to variations in the feeding on blue whiting. There seems to be no relationship between stomach fullness and weights-at-age for saithe (í Homrum *et al.*, WD 2009).

## 6.16    References

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## 6.17 Tables

**Table 6.2.1.1. Faroe saithe (Division 5.b). Nominal catches (tonnes round weight) by countries 1988–2022 as officially reported to ICES.**

| Country | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Denmark | 94 | - | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Estonia | - | - | - | - | - | - | - | - | - | 16 | - | - | - | - |
| Faroe Islands | 44402 | 43,624 | 59,821 | 53,321 | 35,979 | 32,719 | 32,406 | 26,918 | 19,267 | 21,721 | 25,995 | 32,439 | | 49,676 |
| France [3] | 313 | - | - | - | 120 | 75 | 19 | 10 | 12 | 9 | 17 | - | 273 | 934 |
| Germany | - | - | - | 32 | 5 | 2 | 1 | 41 | 3 | 5 | - | 100 | 230 | 667 |
| German Dem.Rep. | - | 9 | - | - | - | - | - | - | - | - | - | - | - | - |
| German Fed. Rep. | 74 | 20 | 15 | - | - | - | - | - | - | - | - | - | - | 5 |
| Greenland | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ireland | - | - | - | - | - | - | - | - | - | - | - | 0 | 0 | 0 |
| Netherlands | - | 22 | 67 | 65 | - | - | - | - | - | - | - | 160 | 72 | 60 |
| Norway | 52 | 51 | 46 | 103 | 85 | 32 | 156 | 10 | 16 | 67 | 53 | - | - | - |
| Portugal | - | - | - | - | - | - | - | - | - | - | - | - | 20 | 1 |
| UK (Eng. & W.) | - | - | - | 5 | 74 | 279 | 151 | 21 | 53 | - | 19 | 67 | 32 | 80 |
| UK (Scotland) | 92 | 9 | 33 | 79 | 98 | 425 | 438 | 200 | 580 | 460 | 337 | 441 | 534 | 708 |
| USSR/Russia [2] | - | - | 30 | - | 12 | - | - | - | 18 | 28 | - | - | - | - |
| *Total* | 45027 | 43,735 | 60,014 | 53,605 | 36,373 | 33,532 | 33,171 | 27,200 | 19,949 | 22,306 | 26,065 | 33,207 | 1,161 | 52,131 |
| *Working Group estimate* [4,5] | 45285 | 44,477 | 61,628 | 54,858 | 36,487 | 33,543 | 33,182 | 27,209 | 20,029 | 22,306 | 26,421 | 33,207 | 39,020 | 51,786 |

| Country | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 [1] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Denmark | - | - | - | - | 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Poland | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | |
| Faroe Islands | 55,165 | 47,933 | 48,222 | 71,496 | 72,169 | 66,319 | 63,424 | 63,339 | 48,279 | 32,357 | 38,278 | 28,655 | 25,655 | 27,496 | 30,849 | 32,966 | 25,692 | 22,764 | 24,334 | 18,684 | 16,599 |
| France | 607 | 370 | 147 | 123 | 315 | 108 | 97 | 68 | 46 | 135 | 40 | 31 | 28 | 122 | 336 | 40 | 27 | 5 | 20 | 63 | 68 |
| Germany | 422 | 281 | 186 | 1 | 49 | 3 | 3 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Greenland | 125 | - | | | 73 | 239 | 0 | 1 | | | 1 | - | - | - | - | - | - | 1 | - | - | - |
| Irland | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Iceland | - | - | - | - | - | - | - | 148 | - | - | - | - | - | - | - | - | - | - | 0 | - | 3 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | - | - | - | - | - | - | 1 | - | - | - | - | - | - |
| Norway | 77 | 62 | 82 | 82 | 35 | 81 | 38 | 23 | 28 | - | - | - | 4 | 40 | 198 | 27 | 40 | 40 | 38 | 20 | 7 |
| Portugal | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Russia | 10 | 32 | 71 | 210 | 104 | 160 | 38 | 44 | 3 | - | - | 1 | - | - | - | - | - | - | 0 | - | - |
| UK (E/W/NI) | 58 | 89 | 85 | 32 | 88 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UK (Scotland) | 540 | 610 | 748 | 4,322 | 1,011 | 408 | 400 | 685 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| United Kingdom | - | - | - | - | - | - | - | - | 706 | 19 | 0 | 1 | 340 | 304 | 601 | 291 | 214 | 71 | 352 | 0.5 | 747 |
| *Total* | 57,004 | 49,377 | 49,546 | 76,266 | 73,878 | 67,326 | 64,000 | 64,308 | 49,062 | 32,510 | 38,319 | 28,688 | 26,027 | 27,961 | 31,986 | 33,325 | 25,973 | 22,887 | 24,745 | 18,770 | 17,421 |
| *Working Group estimate* [4,5,6,7] | 53,546 | 46,555 | 46,355 | 67,967 | 68,465 | 62,352 | 59,243 | 59,557 | 45,441 | 30,083 | 35,448 | 26,539 | 24,103 | 25,899 | 29,672 | 30,852 | 24,046 | 21,179 | 22,920 | 17,306 | 16,119 |

**Table 6.2.1.2.a. Faroe saithe (Division 5.b). Contribution (%) by each fleet category to total national landings(1985–2020).**

|  | Open boats | LL <100 | LL >100 | Gillnet | Jigger | ST <400 | ST 400–1000 | ST >1000 | PT <1000 | PT >1000 | IT | Other | Total(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1985 | 0.2 | 0.1 | 0.1 | 0 | 2.6 | 0.1 | 6.6 | 33.7 | 28.2 | 28.2 | 0.2 | 0.2 | 100 |
| 1986 | 0.3 | 0.2 | 0.1 | 0.1 | 3.6 | 0.1 | 2.8 | 27.3 | 27.5 | 36.5 | 0.7 | 0.9 | 100 |
| 1987 | 0.7 | 0.1 | 0.1 | 0.4 | 5.6 | 0.3 | 4.1 | 20.4 | 22.8 | 44.3 | 1.1 | 0 | 100 |
| 1988 | 0.4 | 0.3 | 0.1 | 0.3 | 6.5 | 0.1 | 6.8 | 20.8 | 19.6 | 43.7 | 1.3 | 0.1 | 100 |
| 1989 | 0.9 | 0.1 | 0.1 | 0.2 | 9.3 | 0.3 | 5.4 | 17.7 | 23.5 | 41.1 | 1.3 | 0 | 100 |
| 1990 | 0.6 | 0.2 | 0.2 | 0.2 | 7.4 | 0.2 | 3.9 | 19.6 | 24 | 42.8 | 0.9 | 0 | 100 |
| 1991 | 0.6 | 0.1 | 0.1 | 0.6 | 9.8 | 0.1 | 1.3 | 13.9 | 26.5 | 46.2 | 0.8 | 0 | 100 |
| 1992 | 0.4 | 0.4 | 0.1 | 0 | 10.5 | 0 | 0.5 | 7.1 | 24.4 | 55.6 | 1 | 0 | 100 |
| 1993 | 0.6 | 0.2 | 0.1 | 0 | 9.3 | 0.1 | 0.6 | 6.5 | 21.4 | 60.6 | 0.7 | 0 | 100 |
| 1994 | 0.4 | 0.4 | 0.2 | 0 | 12.6 | 0.1 | 1.1 | 6.8 | 18.5 | 59.1 | 0.7 | 0 | 100 |
| 1995 | 0.2 | 0.1 | 0.3 | 0 | 9.6 | 0.4 | 0.9 | 9.9 | 17.7 | 60.9 | 0 | 0 | 100 |
| 1996 | 0 | 0 | 0.2 | 0 | 9.2 | 0.1 | 1.2 | 6.8 | 23.7 | 58.6 | 0 | 0 | 100 |
| 1997 | 0 | 0.1 | 0.4 | 0 | 8.9 | 0.1 | 2.5 | 10.7 | 17.8 | 58.9 | 0.4 | 0 | 100 |
| 1998 | 0.1 | 0.4 | 0.3 | 0 | 7.5 | 0.1 | 2.6 | 19.3 | 15.4 | 53.9 | 0.4 | 0 | 100 |
| 1999 | 0 | 0.1 | 0.2 | 0 | 5.7 | 0.1 | 1.2 | 12.6 | 18.5 | 60 | 1.6 | 0 | 100 |
| 2000 | 0.1 | 0.1 | 0.1 | 0 | 3.7 | 0.2 | 0.3 | 15 | 17.5 | 62.3 | 0.7 | 0 | 100 |
| 2001 | 0.1 | 0.1 | 0.2 | 0 | 2.8 | 0.1 | 0.3 | 20.2 | 16.5 | 58.8 | 0.8 | 0.1 | 100 |
| 2002 | 0.1 | 0.2 | 0.1 | 0 | 1.6 | 0.1 | 0.1 | 26.5 | 10.5 | 60.8 | 0 | 0 | 100 |
| 2003 | 0 | 0 | 0.1 | 0 | 0.9 | 1.9 | 0.4 | 17.4 | 14.7 | 64.7 | 0 | 0 | 100 |
| 2004 | 0.1 | 0.2 | 0.2 | 0 | 1.9 | 3.7 | 0.4 | 15.1 | 14.4 | 63.8 | 0 | 0 | 100 |
| 2005 | 0.2 | 0.1 | 0.2 | 0 | 2.4 | 4.4 | 0.2 | 12.7 | 20.6 | 59.2 | 0 | 0 | 100 |
| 2006 | 0.2 | 0.4 | 0.6 | 0 | 3.9 | 0.3 | 0.1 | 19.8 | 20.6 | 54.1 | 0 | 0 | 100 |
| 2007 | 0.2 | 0.2 | 0.3 | 0 | 2 | 0.2 | 0.1 | 30.4 | 16 | 50.6 | 0 | 0 | 100 |
| 2008 | 0.2 | 0.3 | 0.5 | 0 | 3.2 | 1.5 | 0.2 | 20.4 | 16 | 57.7 | 0 | 0 | 100 |
| 2009 | 0.4 | 0.2 | 0.2 | 0 | 4.3 | 3.3 | 0.1 | 9.6 | 15.1 | 66.8 | 0 | 0 | 100 |
| 2010 | 0.1 | 0.1 | 0.6 | 0 | 3.9 | 1.2 | 2.4 | 8.3 | 15.1 | 68.3 | 0 | 0 | 100 |
| 2011 | 0.1 | 0.1 | 0.5 | 0 | 3.6 | 0.5 | 1.3 | 2.6 | 14.1 | 77.1 | 0 | 0 | 100 |

| | Open boats | LL <100 | LL >100 | Gillnet | Jigger | ST <400 | ST 400–1000 | ST >1000 | PT <1000 | PT >1000 | IT | Other | Total(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2012 | 0.2 | 0.1 | 1 | 0 | 2.4 | 1.9 | 0.1 | 2.2 | 18.6 | 73.5 | 0 | 0 | 100 |
| 2013 | 0.1 | 0.3 | 0.5 | 0 | 3.2 | 1 | 0.2 | 0.6 | 24.9 | 69 | 0 | 0.1 | 100 |
| 2014 | 0.2 | 0.3 | 0.3 | 0 | 1.9 | 0.5 | 0.2 | 0.2 | 15.6 | 80.7 | 0 | 0.1 | 100 |
| 2015 | 0.2 | 0.4 | 0.3 | 0 | 2.3 | 1.1 | 0 | 2 | 18 | 75.5 | 0 | 0 | 100 |
| 2016 | 0.1 | 0.1 | 0.3 | 0 | 1.6 | 1.7 | 0.2 | 0.2 | 21.7 | 73.8 | 0 | 0.4 | 100 |
| 2017 | 0.1 | 0 | 0.1 | 0.1 | 0.7 | 0.7 | 0.3 | 0.2 | 20.6 | 76.9 | 0 | 0.1 | 100 |
| 2018 | 0.2 | 0 | 0.1 | 0 | 0.8 | 0.9 | 0.2 | 0.8 | 20.5 | 76.3 | 0 | 0 | 100 |
| 2019 | 0.1 | 0.1 | 0.3 | 0 | 0.3 | 0.4 | 0.4 | 1.3 | 18.4 | 78.6 | 0 | 0 | 100 |
| 2020 | 0.1 | 0.2 | 0.4 | 0 | 1.9 | 0.9 | 0.3 | 1.1 | 19.1 | 75.7 | 0 | 0 | 100 |

**Table 6.2.1.2.b. Faroe saithe (Division 5.b). Contribution (%) by each fleet category to total national landings(2021–2022).**

|      | LL | Gillnet | Jigger | ST | PT | Other | Total(%) |
|------|----|---------|--------|----|----|-------|----------|
| 2021 | 0  | 0       | 2      | 6  | 91 | 1     | 100%     |
| 2022 | 1  | 0       | 1      | 3  | 95 | 0     | 100%     |

**Table 6.2.2.1. Faroe saithe (Division 5.b). Catch number-at-age by fleet categories in 2021.(From gutted weights)**

| Age | Jiggers | Single trawlers >1000 HP | Pairtrawlers <1000 HP | Pairtrawlers >1000HP | Others | Total Division Vb |
|-----|---------|--------------------------|-----------------------|----------------------|--------|-------------------|
| 0   | 0 | 0 | 0    | 0     | 0 | 0     |
| 1   | 0 | 0 | 0    | 0     | 0 | 0     |
| 2   | 0 | 0 | 1    | 6     | 0 | 8     |
| 3   | 0 | 0 | 34   | 152   | 0 | 186   |
| 4   | 0 | 0 | 629  | 2552  | 0 | 3181  |
| 5   | 0 | 0 | 125  | 452   | 0 | 577   |
| 6   | 0 | 0 | 155  | 654   | 0 | 810   |
| 7   | 0 | 0 | 51   | 154   | 0 | 205   |
| 8   | 0 | 0 | 49   | 188   | 0 | 237   |
| 9   | 0 | 0 | 37   | 163   | 0 | 200   |
| 10  | 0 | 0 | 15   | 55    | 0 | 70    |
| 11  | 0 | 0 | 5    | 23    | 0 | 28    |
| 12  | 0 | 0 | 2    | 16    | 0 | 18    |
| 13  | 0 | 0 | 0    | 0     | 0 | 0     |
| 14  | 0 | 0 | 0    | 2     | 0 | 2     |
| 15  | 0 | 0 | 0    | 2     | 0 | 2     |
| Total No.       | 0 | 0 | 1104 | 4420  | 0 | 5524  |
| Catch (tonnes)  | 0 | 0 | 3177 | 12705 | 0 | 15882 |

**Table 6.2.2.2. Faroe saithe (Division 5.b). Catch number-at-age (thousands) from the commercial fleet (1961–2022)**

| Year-Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1961 | 183 | 379 | 483 | 403 | 216 | 129 | 116 | 82 | 45 | 27 | 6 | 1 | 48 |
| 1962 | 562 | 542 | 617 | 495 | 286 | 131 | 129 | 113 | 71 | 29 | 13 | 16 | 47 |
| 1963 | 614 | 340 | 340 | 415 | 406 | 202 | 174 | 158 | 94 | 169 | 61 | 8 | 36 |
| 1964 | 684 | 1908 | 1506 | 617 | 572 | 424 | 179 | 150 | 100 | 83 | 47 | 30 | 14 |
| 1965 | 996 | 850 | 1708 | 965 | 510 | 407 | 306 | 201 | 156 | 120 | 89 | 30 | 46 |
| 1966 | 488 | 1540 | 1201 | 1686 | 806 | 377 | 294 | 205 | 156 | 94 | 52 | 34 | 45 |
| 1967 | 595 | 796 | 1364 | 792 | 1192 | 473 | 217 | 190 | 97 | 75 | 38 | 11 | 16 |
| 1968 | 614 | 1689 | 1116 | 1095 | 548 | 655 | 254 | 128 | 89 | 59 | 40 | 29 | 59 |
| 1969 | 1191 | 2086 | 2294 | 1414 | 1118 | 589 | 580 | 239 | 115 | 100 | 36 | 30 | 24 |
| 1970 | 1445 | 6577 | 1558 | 1478 | 899 | 730 | 316 | 241 | 86 | 48 | 46 | 15 | 23 |
| 1971 | 2857 | 3316 | 5585 | 1005 | 828 | 469 | 326 | 164 | 100 | 54 | 13 | 18 | 15 |
| 1972 | 2714 | 1774 | 2588 | 2742 | 1529 | 1305 | 1017 | 743 | 330 | 133 | 28 | 28 | 21 |
| 1973 | 2515 | 6253 | 7075 | 3478 | 1634 | 693 | 550 | 403 | 215 | 103 | 25 | 21 | 37 |
| 1974 | 3504 | 4126 | 4011 | 2784 | 1401 | 640 | 368 | 340 | 197 | 124 | 45 | 44 | 52 |
| 1975 | 2062 | 3361 | 3801 | 1939 | 1045 | 714 | 302 | 192 | 193 | 126 | 64 | 41 | 67 |
| 1976 | 3178 | 3217 | 1720 | 1250 | 877 | 641 | 468 | 223 | 141 | 96 | 60 | 54 | 77 |
| 1977 | 1609 | 2937 | 2034 | 1288 | 767 | 708 | 498 | 338 | 272 | 129 | 80 | 57 | 64 |
| 1978 | 611 | 1743 | 1736 | 548 | 373 | 479 | 466 | 473 | 407 | 211 | 146 | 95 | 83 |
| 1979 | 287 | 933 | 1341 | 1033 | 584 | 414 | 247 | 473 | 368 | 206 | 136 | 98 | 251 |
| 1980 | 996 | 877 | 720 | 673 | 726 | 284 | 212 | 171 | 196 | 156 | 261 | 133 | 236 |
| 1981 | 411 | 1804 | 769 | 932 | 908 | 734 | 343 | 192 | 92 | 128 | 176 | 310 | 407 |
| 1982 | 387 | 4076 | 994 | 1114 | 380 | 417 | 296 | 105 | 88 | 56 | 49 | 110 | 687 |
| 1983 | 2483 | 1103 | 5052 | 1343 | 575 | 339 | 273 | 98 | 98 | 99 | 25 | 127 | 289 |
| 1984 | 368 | 11067 | 2359 | 4093 | 875 | 273 | 161 | 52 | 65 | 59 | 18 | 25 | 151 |
| 1985 | 1224 | 3990 | 5583 | 1182 | 1898 | 273 | 103 | 38 | 26 | 72 | 41 | 8 | 154 |
| 1986 | 1167 | 1997 | 4473 | 3730 | 953 | 1077 | 245 | 104 | 67 | 33 | 56 | 7 | 62 |
| 1987 | 1581 | 5793 | 3827 | 2785 | 990 | 532 | 333 | 81 | 43 | 5 | 11 | 15 | 66 |
| 1988 | 866 | 2950 | 9555 | 2784 | 1300 | 621 | 363 | 159 | 27 | 43 | 15 | 1 | 1 |
| 1989 | 451 | 5981 | 5300 | 7136 | 793 | 546 | 185 | 83 | 55 | 10 | 2 | 11 | 16 |
| 1990 | 294 | 3833 | 10120 | 9219 | 5070 | 477 | 123 | 61 | 60 | 18 | 19 | 9 | 33 |
| 1991 | 1030 | 5125 | 7452 | 5544 | 3487 | 1630 | 405 | 238 | 128 | 77 | 22 | 8 | 11 |
| 1992 | 521 | 4067 | 3667 | 2679 | 1373 | 894 | 613 | 123 | 63 | 37 | 52 | 8 | 11 |
| 1993 | 1316 | 2611 | 4689 | 1665 | 858 | 492 | 448 | 245 | 54 | 34 | 10 | 6 | 2 |
| 1994 | 690 | 3961 | 2663 | 2368 | 746 | 500 | 307 | 303 | 150 | 28 | 19 | 1 | 1 |
| 1995 | 398 | 1019 | 3468 | 1836 | 1177 | 345 | 241 | 192 | 104 | 73 | 25 | 14 | 5 |

| Year-Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 297 | 1087 | 1146 | 1449 | 1156 | 521 | 132 | 77 | 64 | 45 | 29 | 1 | 7 |
| 1997 | 344 | 832 | 2440 | 1767 | 1335 | 624 | 165 | 71 | 29 | 48 | 29 | 15 | 8 |
| 1998 | 163 | 1689 | 1934 | 3475 | 1379 | 683 | 368 | 77 | 32 | 28 | 24 | 14 | 7 |
| 1999 | 322 | 655 | 3096 | 2551 | 4113 | 915 | 380 | 147 | 24 | 27 | 5 | 23 | 14 |
| 2000 | 811 | 2830 | 1484 | 4369 | 2226 | 2725 | 348 | 186 | 56 | 18 | 2 | 3 | 2 |
| 2001 | 1125 | 2452 | 8437 | 2155 | 3680 | 1539 | 1334 | 293 | 90 | 24 | 19 | 13 | 0 |
| 2002 | 302 | 8399 | 5962 | 9786 | 862 | 1280 | 465 | 362 | 33 | 36 | 8 | 1 | 0 |
| 2003 | 330 | 2432 | 11152 | 3994 | 4287 | 417 | 419 | 304 | 91 | 40 | 3 | 0 | 0 |
| 2004 | 76 | 2011 | 8544 | 8762 | 2125 | 1807 | 265 | 293 | 146 | 100 | 10 | 2 | 0 |
| 2005 | 454 | 2948 | 9486 | 16606 | 7099 | 843 | 810 | 32 | 102 | 27 | 3 | 0 | 0 |
| 2006 | 1509 | 5163 | 7963 | 7892 | 10537 | 3848 | 655 | 289 | 33 | 12 | 12 | 5 | 0 |
| 2007 | 852 | 3406 | 11596 | 6640 | 3878 | 4405 | 1578 | 416 | 83 | 11 | 9 | 3 | 0 |
| 2008 | 4968 | 3228 | 3737 | 9731 | 3733 | 2309 | 2127 | 461 | 165 | 12 | 6 | 0 | 0 |
| 2009 | 472 | 7618 | 5116 | 1893 | 5310 | 2065 | 1743 | 1099 | 300 | 42 | 3 | 1 | 0 |
| 2010 | 2406 | 3019 | 5486 | 1165 | 1045 | 2172 | 1292 | 861 | 389 | 53 | 23 | 0 | 0 |
| 2011 | 1924 | 2783 | 1968 | 1830 | 484 | 538 | 714 | 529 | 446 | 140 | 34 | 4 | 0 |
| 2012 | 863 | 9870 | 4157 | 1257 | 905 | 305 | 308 | 401 | 230 | 137 | 91 | 21 | 0 |
| 2013 | 723 | 5186 | 4231 | 2249 | 512 | 210 | 122 | 97 | 146 | 85 | 39 | 33 | 3 |
| 2014 | 887 | 2344 | 3172 | 1696 | 873 | 333 | 100 | 93 | 71 | 55 | 16 | 1 | 0 |
| 2015 | 2201 | 2338 | 2656 | 1988 | 889 | 292 | 185 | 89 | 71 | 34 | 32 | 9 | 6 |
| 2016 | 889 | 10550 | 1984 | 1924 | 723 | 293 | 113 | 67 | 93 | 9 | 19 | 1 | 1 |
| 2017 | 487 | 3638 | 8927 | 1074 | 555 | 462 | 121 | 25 | 1 | 10 | 17 | 2 | 1 |
| 2018 | 329 | 1419 | 4067 | 3585 | 370 | 201 | 90 | 41 | 22 | 4 | 12 | 5 | 3 |
| 2019 | 3273 | 832 | 1182 | 2152 | 1320 | 180 | 117 | 47 | 6 | 4 | 3 | 0 | 0 |
| 2020 | 405 | 6668 | 500 | 900 | 970 | 352 | 75 | 49 | 1 | 0 | 4 | 0 | 0 |
| 2021 | 740 | 1340 | 2956 | 294 | 375 | 348 | 116 | 62 | 3 | 8 | 3 | 0 | 3 |
| 2022 | 209 | 3583 | 650 | 912 | 231 | 267 | 226 | 79 | 31 | 20 | 1 | 2 | 2 |

**Table 6.2.2.3. Faroe saithe (Division 5.b). Sampling intensity in 2007–2020.**

| Year | | Jiggers | Single trawlers >1000 HP | Pairtrawlers <1000 HP | Pairtrawlers >1000 HP | Others | Total |
|------|---|---------|--------------------------|-----------------------|-----------------------|--------|-------|
| 2009 | Lengths | 511 | 5273 | 3695 | 23352 | 0 | 32831 |
|      | Otoliths | 97 | 301 | 599 | 2519 | 0 | 3516 |
|      | Weights | 511 | 0 | 3494 | 19060 | 0 | 23065 |
| 2010 | Lengths | 209 | 1442 | 3663 | 25793 | 151 | 31258 |
|      | Otoliths | 5 | 119 | 480 | 2459 | 0 | 3063 |
|      | Weights | 5 | 0 | 3060 | 18749 | 151 | 21965 |
| 2011 | Lengths | 583 | 18 | 1874 | 19990 | 753 | 23218 |
|      | Otoliths | 60 | 0 | 300 | 2459 | 60 | 2879 |
|      | Weights | 583 | 18 | 1458 | 14256 | 753 | 17068 |
| 2012 | Lengths | 6 | 0 | 1060 | 24924 | 211 | 26201 |
|      | Otoliths | 6 | 0 | 120 | 2516 | 0 | 2642 |
|      | Weights | 6 | 0 | 1060 | 17593 | 211 | 18870 |
| 2013 | Lengths | 0 | 0 | 1465 | 18015 | 920 | 20400 |
|      | Otoliths | 0 | 0 | 360 | 1979 | 120 | 2459 |
|      | Weights | 0 | 0 | 1465 | 13544 | 1325 | 16334 |
| 2014 | Lengths | 0 | 201 | 0 | 22131 | 920 | 23252 |
|      | Otoliths | 0 | 0 | 0 | 2542 | 120 | 2662 |
|      | Weights | 0 | 0 | 0 | 15448 | 920 | 16368 |
| 2015 | Lengths | 0 | 0 | 173 | 22455 | 753 | 23381 |
|      | Otoliths | 0 | 0 | 20 | 2169 | 90 | 2279 |
|      | Weights | 0 | 0 | 173 | 17199 | 753 | 18125 |
| 2016 | Lengths | 479 | 0 | 671 | 20282 | 2613 | 24045 |
|      | Otoliths | 120 | 0 | 179 | 3118 | 776 | 4193 |
|      | Weights | 479 | 0 | 671 | 15512 | 2613 | 19275 |
| 2017 | Lengths | 0 | 0 | 225 | 16874 | 1824 | 18923 |
|      | Otoliths | 0 | 0 | 60 | 2253 | 538 | 2851 |
|      | Weights | 0 | 0 | 225 | 11222 | 1824 | 13271 |

| Year | | Jiggers | Single trawlers >1000 HP | Pairtrawlers <1000 HP | Pairtrawlers >1000 HP | Others | Total |
|------|---|---------|--------------------------|-----------------------|-----------------------|--------|-------|
| 2018 | Lengths | 799 | 0 | 2284 | 14559 | 196 | 17838 |
| | Otoliths | 239 | 0 | 478 | 2931 | 60 | 3708 |
| | Weights | 799 | 0 | 2284 | 10922 | 196 | 14201 |
| 2019 | Lengths | 616 | 0 | 7748 | 6062 | 264 | 14690 |
| | Otoliths | 180 | 0 | 1645 | 1257 | 124 | 3206 |
| | Weights | 616 | 0 | 5720 | 5261 | 264 | 11861 |
| 2020 | Lengths | 0 | 0 | 5314 | 2980 | 0 | 8294 |
| | Otoliths | 0 | 0 | 1555 | 896 | 0 | 2451 |
| | Weights | 0 | 0 | 5314 | 2980 | 0 | 8294 |
| 2021 | Lengths | 0 | 195 | 4787 | 4940 | 0 | 9922 |
| | Otoliths | 0 | 60 | 1499 | 1428 | 0 | 2987 |
| | Weights | 0 | 195 | 4787 | 4940 | 0 | 9922 |
| 2022 | Lengths | 197 | 0 | 4233 | 3243 | 315 | 7988 |
| | Otoliths | 60 | 0 | 1255 | 1019 | 119 | 2453 |
| | Weights | 197 | 0 | 4233 | 3243 | 315 | 7988 |

**Table 6.2.3.1. Faroe saithe (Division 5.b). Catch weights at age (kg; equal to stock-weights) from the commercial fleet (1961–2022).**

| Year-Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1961 | 1.43 | 2.302 | 3.348 | 4.287 | 5.128 | 6.155 | 7.06 | 7.265 | 7.497 | 8.198 | 9.154 | 9.6 | 10 |
| 1962 | 1.273 | 2.045 | 3.293 | 4.191 | 5.146 | 5.655 | 6.469 | 6.706 | 7.15 | 7.903 | 8.449 | 8.654 | 10 |
| 1963 | 1.28 | 2.197 | 3.212 | 4.568 | 5.056 | 5.932 | 6.259 | 8 | 7.265 | 8.551 | 9.02 | 9 | 10 |
| 1964 | 1.175 | 2.055 | 3.266 | 4.255 | 5.038 | 5.694 | 6.662 | 6.837 | 7.686 | 8.348 | 8.123 | 9.154 | 10 |
| 1965 | 1.181 | 2.125 | 2.941 | 4.096 | 4.878 | 5.932 | 6.321 | 7.288 | 8.074 | 7.878 | 9.479 | 9.617 | 10 |
| 1966 | 1.361 | 2.026 | 3.055 | 3.658 | 4.585 | 5.52 | 6.837 | 7.265 | 7.662 | 8.123 | 10.21 | 9.728 | 10 |
| 1967 | 1.273 | 1.78 | 2.534 | 3.572 | 4.368 | 5.313 | 5.812 | 6.554 | 7.806 | 7.591 | 8.551 | 7.878 | 10 |
| 1968 | 1.302 | 1.737 | 2.036 | 3.12 | 4.049 | 5.183 | 6.238 | 7.52 | 8.049 | 8.654 | 8.298 | 9.234 | 10 |
| 1969 | 1.188 | 1.667 | 2.302 | 2.853 | 3.673 | 5.002 | 5.714 | 6.405 | 6.554 | 7.591 | 7.951 | 8.373 | 10 |
| 1970 | 1.244 | 1.445 | 2.249 | 2.853 | 3.515 | 4.418 | 5.444 | 5.733 | 6.662 | 7.31 | 9.047 | 9.073 | 10 |
| 1971 | 1.101 | 1.316 | 1.818 | 2.978 | 3.702 | 4.271 | 5.388 | 5.972 | 6.49 | 7.173 | 7.38 | 9.288 | 10 |
| 1972 | 1.043 | 1.485 | 2.055 | 2.829 | 3.791 | 4.175 | 4.808 | 5.294 | 6.948 | 6.727 | 7.591 | 9.315 | 10 |
| 1973 | 1.306 | 1.754 | 1.899 | 2.7 | 4.426 | 5.264 | 6.156 | 6.334 | 8.076 | 8.777 | 9.782 | 9.546 | 12.006 |
| 1974 | 1.615 | 1.723 | 2.493 | 2.824 | 3.524 | 5.197 | 6.279 | 6.454 | 7.07 | 7.773 | 8.763 | 10.279 | 11.296 |
| 1975 | 1.293 | 1.924 | 2.623 | 3.621 | 4.128 | 4.754 | 5.952 | 7.073 | 8.352 | 9.032 | 9.984 | 10.225 | 11.607 |
| 1976 | 1.162 | 1.79 | 3.074 | 3.291 | 4.579 | 4.648 | 5.116 | 6.314 | 7.069 | 7.069 | 7.808 | 8.337 | 10.68 |
| 1977 | 1.223 | 1.641 | 2.66 | 3.79 | 4.239 | 5.597 | 5.35 | 5.912 | 6.837 | 6.727 | 6.948 | 8.424 | 10 |
| 1978 | 1.493 | 2.324 | 3.068 | 3.746 | 4.913 | 4.368 | 5.276 | 5.832 | 6.053 | 6.706 | 7.686 | 7.219 | 10 |
| 1979 | 1.22 | 1.88 | 2.62 | 3.4 | 4.18 | 4.95 | 5.69 | 6.38 | 7.02 | 7.26 | 8.15 | 8.64 | 10 |
| 1980 | 1.23 | 2.12 | 3.32 | 4.28 | 5.16 | 6.42 | 6.87 | 7.09 | 7.93 | 8.07 | 8.59 | 9.79 | 10.34 |
| 1981 | 1.31 | 2.13 | 3 | 3.81 | 4.75 | 5.25 | 5.95 | 6.43 | 7 | 7.47 | 8.14 | 8.55 | 10.1 |
| 1982 | 1.337 | 1.851 | 2.951 | 3.577 | 4.927 | 6.243 | 7.232 | 7.239 | 8.346 | 8.345 | 8.956 | 9.584 | 10.33 |
| 1983 | 1.208 | 2.029 | 2.965 | 4.143 | 4.724 | 5.901 | 6.811 | 7.051 | 7.248 | 8.292 | 9.478 | 10.893 | 10.34 |
| 1984 | 1.431 | 1.953 | 2.47 | 3.85 | 5.177 | 6.347 | 7.825 | 6.746 | 8.636 | 8.467 | 8.556 | 11.127 | 10.748 |
| 1985 | 1.401 | 2.032 | 2.965 | 3.596 | 5.336 | 7.202 | 6.966 | 9.862 | 10.67 | 10.46 | 10.202 | 9.644 | 13.232 |
| 1986 | 1.718 | 1.986 | 2.618 | 3.277 | 4.186 | 5.589 | 6.05 | 6.15 | 9.536 | 9.823 | 7.303 | 11.869 | 12.875 |
| 1987 | 1.609 | 1.835 | 2.395 | 3.182 | 4.067 | 5.149 | 5.501 | 6.626 | 6.343 | 10.245 | 8.491 | 11.634 | 10.22 |
| 1988 | 1.5 | 1.975 | 1.978 | 2.937 | 3.798 | 4.419 | 5.115 | 6.712 | 9.04 | 9.364 | 9.142 | 10.346 | 10.086 |
| 1989 | 1.309 | 1.735 | 1.907 | 2.373 | 3.81 | 4.667 | 5.509 | 5.972 | 6.939 | 8.543 | 9.514 | 11.73 | 9.627 |

| Year-Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1990 | 1.223 | 1.633 | 1.83 | 2.052 | 2.866 | 4.474 | 5.424 | 6.469 | 6.343 | 8.418 | 7.383 | 5.822 | 9.408 |
| 1991 | 1.24 | 1.568 | 1.864 | 2.211 | 2.648 | 3.38 | 4.816 | 5.516 | 6.407 | 7.395 | 8.079 | 7.187 | 9.756 |
| 1992 | 1.264 | 1.602 | 2.069 | 2.554 | 3.057 | 4.078 | 5.012 | 6.768 | 7.754 | 8.303 | 7.786 | 9.575 | 9.102 |
| 1993 | 1.408 | 1.86 | 2.323 | 3.131 | 3.73 | 4.394 | 5.209 | 6.54 | 8.403 | 7.275 | 9.414 | 9.281 | 10.715 |
| 1994 | 1.503 | 1.951 | 2.267 | 2.936 | 4.214 | 4.971 | 5.657 | 5.95 | 6.891 | 8.752 | 9.752 | 8.629 | 7.349 |
| 1995 | 1.456 | 2.177 | 2.42 | 2.895 | 3.651 | 5.064 | 5.44 | 6.167 | 7.08 | 7.736 | 7.295 | 5.885 | 10.518 |
| 1996 | 1.432 | 1.875 | 2.496 | 3.229 | 3.744 | 4.964 | 6.375 | 6.745 | 7.466 | 7.284 | 8.47 | 10.001 | 10.143 |
| 1997 | 1.476 | 1.783 | 2.032 | 2.778 | 3.598 | 4.766 | 5.982 | 7.658 | 7.882 | 8.539 | 9.488 | 10.355 | 10.523 |
| 1998 | 1.388 | 1.711 | 1.954 | 2.405 | 3.3 | 4.22 | 4.999 | 6.391 | 6.665 | 8.214 | 8.485 | 8.668 | 9.2 |
| 1999 | 1.374 | 1.712 | 1.905 | 2.396 | 2.845 | 4.124 | 5.256 | 5.526 | 6.956 | 8.03 | 8.349 | 8.083 | 10.262 |
| 2000 | 1.477 | 1.606 | 2.077 | 2.36 | 2.977 | 3.48 | 4.851 | 5.268 | 6.523 | 4.727 | 8.807 | 8.002 | 10.427 |
| 2001 | 1.33 | 1.59 | 1.785 | 2.586 | 3.059 | 3.871 | 4.374 | 5.565 | 6.703 | 5.776 | 7.745 | 7.773 | 10 |
| 2002 | 1.142 | 1.46 | 1.652 | 1.969 | 3.13 | 3.589 | 4.513 | 5.138 | 6.422 | 8.026 | 4.759 | 11.357 | 10 |
| 2003 | 1.123 | 1.304 | 1.614 | 1.977 | 2.532 | 3.97 | 4.834 | 5.499 | 6.099 | 6.987 | 5.961 | 9.044 | 10 |
| 2004 | 1.143 | 1.333 | 1.45 | 1.789 | 2.56 | 3.159 | 4.154 | 5.167 | 6.015 | 6.186 | 7.056 | 9.391 | 10 |
| 2005 | 1.148 | 1.325 | 1.516 | 1.672 | 2.087 | 2.975 | 3.79 | 6.087 | 6.134 | 6.651 | 7.424 | 9.113 | 10 |
| 2006 | 1.126 | 1.218 | 1.462 | 1.79 | 2.035 | 2.436 | 3.861 | 4.222 | 5.149 | 6.437 | 6.905 | 5.365 | 10 |
| 2007 | 1.058 | 1.391 | 1.413 | 1.824 | 2.361 | 2.682 | 3.278 | 4.104 | 4.998 | 6.331 | 7.844 | 7.971 | 10 |
| 2008 | 1.146 | 1.312 | 1.672 | 1.816 | 2.395 | 2.902 | 3.1 | 3.728 | 4.769 | 6.072 | 6.451 | 7.96 | 10 |
| 2009 | 0.938 | 1.485 | 1.893 | 2.411 | 2.601 | 3.147 | 3.634 | 4.024 | 5.014 | 5.828 | 6.308 | 9.011 | 10 |
| 2010 | 1.429 | 1.706 | 2.166 | 2.551 | 3.172 | 3.411 | 3.972 | 4.352 | 5.083 | 4.941 | 5.305 | 9.011 | 10 |
| 2011 | 1.111 | 1.693 | 2.253 | 2.918 | 3.609 | 4.204 | 4.531 | 5.087 | 5.416 | 6.087 | 6.763 | 7.916 | 10 |
| 2012 | 1.029 | 1.334 | 1.626 | 2.709 | 3.785 | 4.448 | 4.799 | 5.207 | 5.562 | 6.018 | 7.143 | 6.247 | 10 |
| 2013 | 1.208 | 1.466 | 1.778 | 2.069 | 3.553 | 4.292 | 5.191 | 5.742 | 5.919 | 6.417 | 7.941 | 7.154 | 6.963 |
| 2014 | 1.369 | 1.724 | 2.163 | 2.868 | 3.325 | 5.903 | 5.899 | 6.877 | 6.784 | 7.467 | 7.121 | 11.31 | 10 |
| 2015 | 0.932 | 1.555 | 2.091 | 3.17 | 4.208 | 5.032 | 6.715 | 7.858 | 7.428 | 7.565 | 7.629 | 9.87 | 8.613 |
| 2016 | 1.07 | 1.246 | 2.091 | 2.613 | 3.98 | 4.927 | 5.876 | 7.426 | 6.967 | 8.153 | 7.89 | 7.36 | 8.233 |
| 2017 | 1.472 | 1.534 | 1.689 | 3.083 | 3.977 | 5.92 | 6.415 | 6.833 | 8.192 | 9.013 | 8.314 | 9.036 | 8.545 |
| 2018 | 1.574 | 1.849 | 2.055 | 2.452 | 3.95 | 4.879 | 6.138 | 7.481 | 8.217 | 7.567 | 7.924 | 8.179 | 8.09 |
| 2019 | 1.297 | 1.737 | 2.377 | 2.776 | 3.325 | 5.462 | 5.938 | 7.409 | 7.902 | 9.981 | 8.808 | 8.808 | 8.808 |

| Year-Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 1.369 | 1.814 | 2.411 | 2.846 | 3.751 | 4.687 | 7.553 | 7.336 | 8.821 | 8.821 | 8.88 | 8.88 | 8.88 |
| 2021 | 1.413 | 1.786 | 2.516 | 3.174 | 4.027 | 4.861 | 6.543 | 7.409 | 8.313 | 8.790 | 8.537 | 8.622 | 8.593 |
| 2022 | 1.496 | 1.703 | 2.752 | 3.481 | 4.226 | 5.238 | 5.932 | 7.023 | 7.89 | 8.661 | 9.022 | 9.489 | 7.918 |

**Table 6.2.4.1. Faroe saithe (Division 5.b). Proportion mature at age (1983–2023). Maturities for ages 11 to 15 are set to 1.00**

| Year-Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|
| 1983 | 0.04 | 0.25 | 0.55 | 0.84 | 0.92 | 0.98 | 1 | 1 |
| 1984 | 0.03 | 0.26 | 0.58 | 0.85 | 0.93 | 0.98 | 1 | 1 |
| 1985 | 0.04 | 0.26 | 0.57 | 0.86 | 0.93 | 0.99 | 1 | 1 |
| 1986 | 0.04 | 0.28 | 0.6 | 0.87 | 0.94 | 0.99 | 1 | 1 |
| 1987 | 0.05 | 0.28 | 0.58 | 0.86 | 0.95 | 0.99 | 1 | 1 |
| 1988 | 0.06 | 0.28 | 0.57 | 0.86 | 0.95 | 0.98 | 1 | 1 |
| 1989 | 0.06 | 0.27 | 0.58 | 0.85 | 0.94 | 0.97 | 1 | 1 |
| 1990 | 0.05 | 0.26 | 0.58 | 0.82 | 0.92 | 0.97 | 1 | 1 |
| 1991 | 0.05 | 0.26 | 0.57 | 0.82 | 0.91 | 0.97 | 1 | 1 |
| 1992 | 0.04 | 0.24 | 0.54 | 0.81 | 0.91 | 0.98 | 1 | 1 |
| 1993 | 0.04 | 0.25 | 0.56 | 0.79 | 0.91 | 0.98 | 1 | 1 |
| 1994 | 0.05 | 0.22 | 0.54 | 0.78 | 0.9 | 0.97 | 1 | 1 |
| 1995 | 0.05 | 0.22 | 0.57 | 0.79 | 0.91 | 0.97 | 1 | 1 |
| 1996 | 0.04 | 0.18 | 0.54 | 0.77 | 0.9 | 0.97 | 1 | 1 |
| 1997 | 0.02 | 0.17 | 0.55 | 0.77 | 0.89 | 0.97 | 1 | 1 |
| 1998 | 0.01 | 0.16 | 0.53 | 0.73 | 0.88 | 0.98 | 1 | 1 |
| 1999 | 0.01 | 0.16 | 0.5 | 0.71 | 0.86 | 0.99 | 0.99 | 1 |
| 2000 | 0.02 | 0.17 | 0.48 | 0.72 | 0.87 | 0.98 | 0.99 | 1 |
| 2001 | 0.02 | 0.16 | 0.47 | 0.72 | 0.87 | 0.98 | 0.99 | 1 |
| 2002 | 0.02 | 0.18 | 0.48 | 0.68 | 0.84 | 0.96 | 0.98 | 1 |
| 2003 | 0.02 | 0.17 | 0.47 | 0.67 | 0.82 | 0.96 | 0.98 | 1 |
| 2004 | 0.02 | 0.16 | 0.42 | 0.62 | 0.79 | 0.94 | 0.98 | 1 |
| 2005 | 0.01 | 0.16 | 0.39 | 0.59 | 0.77 | 0.92 | 0.98 | 1 |
| 2006 | 0.01 | 0.18 | 0.38 | 0.58 | 0.75 | 0.91 | 0.97 | 1 |
| 2007 | 0.01 | 0.19 | 0.37 | 0.57 | 0.74 | 0.9 | 0.97 | 1 |
| 2008 | 0.01 | 0.2 | 0.39 | 0.59 | 0.75 | 0.9 | 0.97 | 1 |
| 2009 | 0.01 | 0.19 | 0.38 | 0.61 | 0.77 | 0.9 | 0.98 | 1 |
| 2010 | 0.01 | 0.18 | 0.41 | 0.63 | 0.79 | 0.91 | 0.98 | 1 |
| 2011 | 0.01 | 0.19 | 0.44 | 0.64 | 0.8 | 0.91 | 0.98 | 1 |
| 2012 | 0.01 | 0.2 | 0.43 | 0.65 | 0.81 | 0.91 | 0.98 | 1 |
| 2013 | 0.01 | 0.19 | 0.42 | 0.64 | 0.83 | 0.91 | 0.97 | 1 |
| 2014 | 0.02 | 0.25 | 0.48 | 0.69 | 0.86 | 0.94 | 0.97 | 1 |
| 2015 | 0.03 | 0.24 | 0.47 | 0.7 | 0.88 | 0.94 | 0.98 | 1 |
| 2016 | 0.04 | 0.26 | 0.5 | 0.73 | 0.91 | 0.96 | 0.98 | 1 |
| 2017 | 0.05 | 0.26 | 0.53 | 0.75 | 0.91 | 0.97 | 0.99 | 1 |
| 2018 | 0.07 | 0.25 | 0.5 | 0.74 | 0.89 | 0.97 | 0.99 | 1 |
| 2019 | 0.07 | 0.28 | 0.53 | 0.76 | 0.91 | 0.98 | 0.99 | 1 |
| 2020 | 0.07 | 0.28 | 0.52 | 0.75 | 0.9 | 0.98 | 0.99 | 1 |
| 2021 | 0.07 | 0.29 | 0.54 | 0.75 | 0.9 | 0.98 | 0.99 | 1 |
| 2022 | 0.11 | 0.28 | 0.58 | 0.78 | 0.91 | 0.99 | 0.99 | 1 |
| 2023 | 0.11 | 0.28 | 0.57 | 0.79 | 0.90 | 0.99 | 1.00 | 1 |

Table 6.2.5.1. Faroe saithe (Division 5.b). Effort (hours) and catch in number-at-age for the survey indices used in the SAM model. Summer index (ages 3–10, years 1996–2023). Spring index (ages 3–10, years 1994–2023)

| Year/age | Effort | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| **Summer Survey** | | | | | | | | | |
| 1996 | 200 | 285 | 813 | 406 | 342 | 171 | 86 | 32 | 27 |
| 1997 | 200 | 1221 | 943 | 1563 | 631 | 460 | 237 | 79 | 20 |
| 1998 | 200 | 210 | 810 | 788 | 1131 | 234 | 116 | 59 | 20 |
| 1999 | 200 | 296 | 404 | 1258 | 922 | 1292 | 224 | 87 | 42 |
| 2000 | 200 | 1587 | 4945 | 1357 | 3009 | 1244 | 1404 | 184 | 102 |
| 2001 | 200 | 25650 | 14523 | 29825 | 2013 | 2629 | 826 | 851 | 210 |
| 2002 | 200 | 4630 | 13401 | 4848 | 5399 | 361 | 445 | 219 | 153 |
| 2003 | 200 | 15327 | 20811 | 15517 | 2448 | 2173 | 180 | 113 | 100 |
| 2004 | 200 | 1373 | 14061 | 32178 | 12762 | 1694 | 789 | 56 | 53 |
| 2005 | 200 | 4484 | 5729 | 6274 | 7234 | 1920 | 285 | 182 | 35 |
| 2006 | 200 | 8925 | 19741 | 9283 | 4059 | 3329 | 869 | 79 | 62 |
| 2007 | 200 | 1692 | 2094 | 5622 | 2134 | 1072 | 776 | 274 | 75 |
| 2008 | 200 | 6815 | 2527 | 997 | 2451 | 732 | 408 | 252 | 78 |
| 2009 | 200 | 2463 | 2267 | 6925 | 989 | 1789 | 709 | 463 | 388 |
| 2010 | 200 | 2741 | 1285 | 1516 | 223 | 141 | 257 | 135 | 106 |
| 2011 | 200 | 5869 | 1782 | 534 | 396 | 109 | 89 | 169 | 101 |
| 2012 | 200 | 6154 | 6350 | 3164 | 419 | 196 | 87 | 60 | 91 |
| 2013 | 200 | 1048 | 3688 | 4036 | 1965 | 216 | 90 | 31 | 33 |
| 2014 | 200 | 2454 | 1513 | 1294 | 583 | 248 | 41 | 27 | 20 |
| 2015 | 200 | 5858 | 2227 | 2179 | 881 | 349 | 92 | 38 | 24 |
| 2016 | 200 | 4057 | 11782 | 1723 | 712 | 216 | 115 | 41 | 44 |
| 2017 | 200 | 2347 | 4477 | 3902 | 442 | 324 | 178 | 62 | 24 |
| 2018 | 200 | 262 | 743 | 1762 | 1625 | 105 | 76 | 29 | 31 |
| 2019 | 200 | 4310 | 825 | 899 | 1140 | 651 | 112 | 61 | 44 |
| 2020 | 200 | 424 | 1705 | 226 | 440 | 390 | 117 | 56 | 82 |
| 2021 | 200 | 3722 | 684 | 1379 | 190 | 244 | 308 | 130 | 104 |
| 2022 | 200 | 379 | 2620 | 321 | 449 | 85 | 70 | 96 | 68 |
| 2023 | 200 | 2690 | 842 | 2398 | 455 | 428 | 124 | 173 | 220 |
| **Spring Survey** | | | | | | | | | |
| 1994 | 100 | 118 | 820 | 478 | 443 | 115 | 74 | 55 | 60 |
| 1995 | 100 | 156 | 501 | 908 | 926 | 381 | 89 | 60 | 25 |
| 1996 | 100 | 60 | 273 | 118 | 137 | 113 | 61 | 36 | 17 |
| 1997 | 100 | 83 | 113 | 265 | 139 | 101 | 68 | 25 | 27 |
| 1998 | 100 | 316 | 914 | 803 | 1387 | 339 | 149 | 108 | 24 |
| 1999 | 100 | 209 | 208 | 710 | 582 | 714 | 98 | 42 | 19 |
| 2000 | 100 | 200 | 366 | 303 | 1249 | 527 | 607 | 30 | 13 |
| 2001 | 100 | 757 | 359 | 1110 | 301 | 444 | 172 | 140 | 25 |
| 2002 | 100 | 364 | 6931 | 2721 | 2724 | 223 | 225 | 84 | 42 |
| 2003 | 100 | 792 | 909 | 3453 | 1026 | 636 | 81 | 51 | 48 |
| 2004 | 100 | 445 | 5040 | 8000 | 5286 | 343 | 133 | 13 | 29 |
| 2005 | 100 | 1373 | 1176 | 2805 | 4743 | 1601 | 234 | 88 | 28 |
| 2006 | 100 | 2505 | 1190 | 2070 | 1532 | 1557 | 488 | 44 | 28 |
| 2007 | 100 | 259 | 405 | 1397 | 562 | 239 | 256 | 119 | 14 |
| 2008 | 100 | 5925 | 704 | 494 | 1404 | 349 | 361 | 236 | 29 |
| 2009 | 100 | 1151 | 7706 | 1067 | 297 | 500 | 227 | 215 | 171 |
| 2010 | 100 | 146 | 377 | 679 | 183 | 202 | 302 | 201 | 153 |
| 2011 | 100 | 3743 | 659 | 215 | 243 | 67 | 47 | 94 | 63 |
| 2012 | 100 | 234 | 2312 | 629 | 148 | 75 | 43 | 58 | 65 |
| 2013 | 100 | 260 | 2109 | 1218 | 559 | 92 | 82 | 33 | 33 |
| 2014 | 100 | 460 | 1177 | 1463 | 478 | 252 | 65 | 55 | 26 |
| 2015 | 100 | 2364 | 982 | 1079 | 563 | 150 | 93 | 20 | 6 |
| 2016 | 100 | 933 | 6237 | 187 | 198 | 61 | 48 | 19 | 12 |
| 2017 | 100 | 986 | 4239 | 5542 | 201 | 86 | 73 | 27 | 21 |
| 2018 | 100 | 174 | 495 | 1280 | 842 | 63 | 36 | 40 | 17 |
| 2019 | 100 | 13387 | 1940 | 885 | 803 | 461 | 91 | 75 | 47 |
| 2020 | 100 | 163 | 1619 | 184 | 266 | 320 | 215 | 59 | 79 |

| Year/age | Effort | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------|--------|------|------|------|-----|-----|-----|-----|-----|
| 2021 | 100 | 1901 | 933 | 1790 | 252 | 364 | 398 | 115 | 108 |
| 2022 | 100 | 250 | 1003 | 205 | 224 | 33 | 90 | 122 | 80 |
| 2023 | 100 | 1639 | 121 | 584 | 72 | 59 | 24 | 46 | 33 |

**Table 6.3.2. Faroe saithe (Division 5.b). Parameter estimates of the SAM model.**

| Parameter name | par | sd(par) | exp(par) | Low | High |
|----------------|--------|---------|----------|-------|-------|
| logFpar_0 | −7.413 | 0.228 | 0.001 | 0.000 | 0.001 |
| logFpar_1 | −6.878 | 0.171 | 0.001 | 0.001 | 0.001 |
| logFpar_2 | −6.582 | 0.167 | 0.001 | 0.001 | 0.002 |
| logFpar_3 | −6.663 | 0.115 | 0.001 | 0.001 | 0.002 |
| logFpar_4 | −6.830 | 0.124 | 0.001 | 0.001 | 0.001 |
| logFpar_5 | −6.918 | 0.136 | 0.001 | 0.001 | 0.001 |
| logFpar_6 | −6.930 | 0.165 | 0.001 | 0.001 | 0.001 |
| logFpar_7 | −8.226 | 0.266 | 0.000 | 0.000 | 0.000 |
| logFpar_8 | −7.421 | 0.199 | 0.001 | 0.000 | 0.001 |
| logFpar_9 | −7.140 | 0.128 | 0.001 | 0.001 | 0.001 |
| logFpar_10 | −7.044 | 0.094 | 0.001 | 0.001 | 0.001 |
| logFpar_11 | −7.213 | 0.098 | 0.001 | 0.001 | 0.001 |
| logFpar_12 | −7.096 | 0.100 | 0.001 | 0.001 | 0.001 |
| logFpar_13 | −7.052 | 0.105 | 0.001 | 0.001 | 0.001 |
| logSdLogFsta_0 | −1.334 | 0.106 | 0.263 | 0.213 | 0.325 |
| logSdLogN_0 | −0.546 | 0.133 | 0.579 | 0.444 | 0.756 |
| logSdLogN_1 | −1.366 | 0.100 | 0.255 | 0.209 | 0.311 |
| logSdLogObs_0 | −0.900 | 0.044 | 0.407 | 0.373 | 0.444 |
| logSdLogObs_1 | 0.022 | 0.140 | 1.022 | 0.773 | 1.351 |
| logSdLogObs_2 | −0.325 | 0.141 | 0.722 | 0.545 | 0.958 |
| logSdLogObs_3 | −0.378 | 0.136 | 0.685 | 0.522 | 0.899 |
| logSdLogObs_4 | −0.916 | 0.147 | 0.400 | 0.298 | 0.537 |
| logSdLogObs_5 | −0.879 | 0.142 | 0.415 | 0.313 | 0.551 |
| logSdLogObs_6 | −0.846 | 0.146 | 0.429 | 0.321 | 0.574 |
| logSdLogObs_7 | −0.736 | 0.164 | 0.479 | 0.345 | 0.665 |
| logSdLogObs_8 | −0.614 | 0.203 | 0.541 | 0.361 | 0.811 |

| Parameter name | par | sd(par) | exp(par) | Low | High |
|---|---|---|---|---|---|
| logSdLogObs_9 | 0.323 | 0.134 | 1.381 | 1.057 | 1.803 |
| logSdLogObs_10 | 0.019 | 0.124 | 1.019 | 0.795 | 1.306 |
| logSdLogObs_11 | −0.492 | 0.126 | 0.611 | 0.475 | 0.787 |
| logSdLogObs_12 | −0.924 | 0.129 | 0.397 | 0.306 | 0.514 |
| logSdLogObs_13 | −0.875 | 0.127 | 0.417 | 0.324 | 0.537 |
| logSdLogObs_14 | −0.873 | 0.137 | 0.418 | 0.318 | 0.550 |
| logSdLogObs_15 | −0.854 | 0.162 | 0.426 | 0.308 | 0.589 |
| logSdLogObs_16 | −0.492 | 0.143 | 0.612 | 0.459 | 0.814 |
| transfIRARdist_0 | −1.323 | 0.242 | 0.266 | 0.164 | 0.432 |
| transfIRARdist_1 | −0.741 | 0.203 | 0.477 | 0.318 | 0.715 |
| itrans_rho_0 | 1.367 | 0.143 | 3.925 | 2.952 | 5.220 |
| logPhiSW_0 | 5.313 | 1.095 | 202.889 | 22.689 | 1814.257 |
| logPhiSW_1 | 5.271 | 1.088 | 194.559 | 22.075 | 1714.768 |
| logSdProcLogSW_0 | 0.857 | 0.536 | 2.356 | 0.807 | 6.876 |
| meanLogSW_0 | 0.277 | 0.087 | 1.319 | 1.109 | 1.569 |
| meanLogSW_1 | 0.570 | 0.085 | 1.768 | 1.492 | 2.094 |
| meanLogSW_2 | 0.830 | 0.083 | 2.293 | 1.942 | 2.708 |
| meanLogSW_3 | 1.083 | 0.082 | 2.952 | 2.506 | 3.477 |
| meanLogSW_4 | 1.331 | 0.081 | 3.786 | 3.220 | 4.452 |
| meanLogSW_5 | 1.549 | 0.081 | 4.709 | 4.008 | 5.533 |
| meanLogSW_6 | 1.712 | 0.081 | 5.541 | 4.717 | 6.509 |
| meanLogSW_7 | 1.843 | 0.081 | 6.317 | 5.374 | 7.425 |
| meanLogSW_8 | 1.961 | 0.081 | 7.107 | 6.038 | 8.364 |
| meanLogSW_9 | 2.045 | 0.082 | 7.725 | 6.551 | 9.111 |
| meanLogSW_10 | 2.099 | 0.084 | 8.161 | 6.901 | 9.651 |
| meanLogSW_11 | 2.193 | 0.086 | 8.963 | 7.552 | 10.638 |
| meanLogSW_12 | 2.300 | 0.088 | 9.978 | 8.370 | 11.894 |
| logSdLogSW_0 | −3.120 | 0.176 | 0.044 | 0.031 | 0.063 |
| logPhiCW_0 | 5.313 | 1.095 | 202.889 | 22.689 | 1814.256 |

| Parameter name | par | sd(par) | exp(par) | Low | High |
|---|---|---|---|---|---|
| logPhiCW_1 | 5.271 | 1.088 | 194.559 | 22.075 | 1714.768 |
| logSdProcLogCW_0 | 0.857 | 0.536 | 2.356 | 0.807 | 6.876 |
| meanLogCW_0 | 0.277 | 0.087 | 1.319 | 1.109 | 1.569 |
| meanLogCW_1 | 0.570 | 0.085 | 1.768 | 1.492 | 2.094 |
| meanLogCW_2 | 0.830 | 0.083 | 2.293 | 1.942 | 2.708 |
| meanLogCW_3 | 1.083 | 0.082 | 2.952 | 2.506 | 3.477 |
| meanLogCW_4 | 1.331 | 0.081 | 3.786 | 3.220 | 4.452 |
| meanLogCW_5 | 1.549 | 0.081 | 4.709 | 4.008 | 5.533 |
| meanLogCW_6 | 1.712 | 0.081 | 5.541 | 4.717 | 6.509 |
| meanLogCW_7 | 1.843 | 0.081 | 6.317 | 5.374 | 7.425 |
| meanLogCW_8 | 1.961 | 0.081 | 7.107 | 6.038 | 8.364 |
| meanLogCW_9 | 2.045 | 0.082 | 7.725 | 6.551 | 9.111 |
| meanLogCW_10 | 2.099 | 0.084 | 8.161 | 6.901 | 9.651 |
| meanLogCW_11 | 2.193 | 0.086 | 8.963 | 7.552 | 10.638 |
| meanLogCW_12 | 2.300 | 0.088 | 9.978 | 8.370 | 11.894 |
| logSdLogCW_0 | −3.120 | 0.176 | 0.044 | 0.031 | 0.063 |

**Table 6.5.1. Faroe saithe (Division 5.b). Estimated fishing mortality-at-age (1961–2023) from the SAM model (median F).**

| Year-Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1961 | 0.029 | 0.063 | 0.098 | 0.117 | 0.126 | 0.119 | 0.132 | 0.159 | 0.197 | 0.197 | 0.197 | 0.197 | 0.197 |
| 1962 | 0.034 | 0.072 | 0.112 | 0.132 | 0.145 | 0.139 | 0.156 | 0.191 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 |
| 1963 | 0.033 | 0.071 | 0.113 | 0.138 | 0.159 | 0.162 | 0.187 | 0.233 | 0.295 | 0.295 | 0.295 | 0.295 | 0.295 |
| 1964 | 0.042 | 0.094 | 0.149 | 0.178 | 0.202 | 0.202 | 0.221 | 0.264 | 0.317 | 0.317 | 0.317 | 0.317 | 0.317 |
| 1965 | 0.044 | 0.103 | 0.164 | 0.2 | 0.233 | 0.245 | 0.275 | 0.331 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 1966 | 0.043 | 0.104 | 0.166 | 0.201 | 0.237 | 0.253 | 0.283 | 0.337 | 0.395 | 0.395 | 0.395 | 0.395 | 0.395 |
| 1967 | 0.038 | 0.093 | 0.144 | 0.17 | 0.196 | 0.21 | 0.231 | 0.266 | 0.296 | 0.296 | 0.296 | 0.296 | 0.296 |
| 1968 | 0.042 | 0.103 | 0.153 | 0.173 | 0.194 | 0.209 | 0.233 | 0.271 | 0.302 | 0.302 | 0.302 | 0.302 | 0.302 |
| 1969 | 0.053 | 0.133 | 0.192 | 0.206 | 0.22 | 0.233 | 0.255 | 0.288 | 0.308 | 0.308 | 0.308 | 0.308 | 0.308 |
| 1970 | 0.061 | 0.15 | 0.203 | 0.202 | 0.201 | 0.202 | 0.21 | 0.229 | 0.235 | 0.235 | 0.235 | 0.235 | 0.235 |
| 1971 | 0.068 | 0.161 | 0.212 | 0.198 | 0.184 | 0.175 | 0.173 | 0.18 | 0.176 | 0.176 | 0.176 | 0.176 | 0.176 |
| 1972 | 0.085 | 0.203 | 0.274 | 0.267 | 0.253 | 0.244 | 0.241 | 0.244 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 |
| 1973 | 0.108 | 0.264 | 0.342 | 0.311 | 0.268 | 0.239 | 0.221 | 0.212 | 0.192 | 0.192 | 0.192 | 0.192 | 0.192 |
| 1974 | 0.118 | 0.289 | 0.357 | 0.311 | 0.255 | 0.222 | 0.2 | 0.191 | 0.179 | 0.179 | 0.179 | 0.179 | 0.179 |
| 1975 | 0.115 | 0.288 | 0.346 | 0.293 | 0.233 | 0.2 | 0.177 | 0.166 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 1976 | 0.108 | 0.28 | 0.333 | 0.285 | 0.228 | 0.198 | 0.173 | 0.157 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| 1977 | 0.095 | 0.268 | 0.333 | 0.302 | 0.253 | 0.228 | 0.2 | 0.178 | 0.167 | 0.167 | 0.167 | 0.167 | 0.167 |
| 1978 | 0.071 | 0.216 | 0.281 | 0.276 | 0.253 | 0.25 | 0.232 | 0.21 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 |
| 1979 | 0.057 | 0.192 | 0.267 | 0.288 | 0.284 | 0.292 | 0.28 | 0.252 | 0.239 | 0.239 | 0.239 | 0.239 | 0.239 |
| 1980 | 0.049 | 0.18 | 0.26 | 0.301 | 0.308 | 0.323 | 0.315 | 0.278 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| 1981 | 0.045 | 0.187 | 0.295 | 0.379 | 0.406 | 0.439 | 0.433 | 0.368 | 0.369 | 0.369 | 0.369 | 0.369 | 0.369 |
| 1982 | 0.041 | 0.184 | 0.305 | 0.402 | 0.426 | 0.46 | 0.455 | 0.375 | 0.398 | 0.398 | 0.398 | 0.398 | 0.398 |
| 1983 | 0.045 | 0.211 | 0.371 | 0.494 | 0.519 | 0.553 | 0.552 | 0.449 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 |
| 1984 | 0.041 | 0.213 | 0.39 | 0.515 | 0.524 | 0.535 | 0.522 | 0.428 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| 1985 | 0.039 | 0.207 | 0.395 | 0.516 | 0.515 | 0.519 | 0.508 | 0.435 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 |
| 1986 | 0.037 | 0.206 | 0.43 | 0.601 | 0.605 | 0.63 | 0.63 | 0.552 | 0.656 | 0.656 | 0.656 | 0.656 | 0.656 |
| 1987 | 0.034 | 0.194 | 0.417 | 0.586 | 0.578 | 0.582 | 0.568 | 0.492 | 0.555 | 0.555 | 0.555 | 0.555 | 0.555 |
| 1988 | 0.029 | 0.169 | 0.375 | 0.533 | 0.517 | 0.497 | 0.455 | 0.375 | 0.393 | 0.393 | 0.393 | 0.393 | 0.393 |
| 1989 | 0.027 | 0.165 | 0.364 | 0.506 | 0.479 | 0.443 | 0.398 | 0.341 | 0.382 | 0.382 | 0.382 | 0.382 | 0.382 |
| 1990 | 0.032 | 0.203 | 0.459 | 0.627 | 0.586 | 0.519 | 0.468 | 0.432 | 0.534 | 0.534 | 0.534 | 0.534 | 0.534 |
| 1991 | 0.043 | 0.274 | 0.616 | 0.829 | 0.785 | 0.711 | 0.674 | 0.657 | 0.832 | 0.832 | 0.832 | 0.832 | 0.832 |
| 1992 | 0.04 | 0.243 | 0.536 | 0.715 | 0.697 | 0.65 | 0.647 | 0.669 | 0.879 | 0.879 | 0.879 | 0.879 | 0.879 |
| 1993 | 0.037 | 0.215 | 0.459 | 0.6 | 0.591 | 0.549 | 0.535 | 0.539 | 0.665 | 0.665 | 0.665 | 0.665 | 0.665 |
| 1994 | 0.033 | 0.187 | 0.4 | 0.535 | 0.555 | 0.526 | 0.503 | 0.487 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 |
| 1995 | 0.027 | 0.156 | 0.36 | 0.517 | 0.591 | 0.599 | 0.594 | 0.593 | 0.683 | 0.683 | 0.683 | 0.683 | 0.683 |
| 1996 | 0.019 | 0.108 | 0.257 | 0.392 | 0.475 | 0.499 | 0.489 | 0.477 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 |
| 1997 | 0.016 | 0.094 | 0.229 | 0.366 | 0.467 | 0.52 | 0.531 | 0.539 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 |
| 1998 | 0.015 | 0.087 | 0.216 | 0.353 | 0.468 | 0.552 | 0.582 | 0.596 | 0.698 | 0.698 | 0.698 | 0.698 | 0.698 |
| 1999 | 0.014 | 0.086 | 0.219 | 0.364 | 0.487 | 0.594 | 0.632 | 0.657 | 0.788 | 0.788 | 0.788 | 0.788 | 0.788 |
| 2000 | 0.014 | 0.089 | 0.231 | 0.381 | 0.494 | 0.58 | 0.584 | 0.58 | 0.674 | 0.674 | 0.674 | 0.674 | 0.674 |
| 2001 | 0.015 | 0.104 | 0.292 | 0.512 | 0.696 | 0.845 | 0.886 | 0.909 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| 2002 | 0.013 | 0.089 | 0.258 | 0.455 | 0.615 | 0.739 | 0.751 | 0.76 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 |
| 2003 | 0.011 | 0.076 | 0.224 | 0.406 | 0.561 | 0.689 | 0.728 | 0.726 | 0.958 | 0.958 | 0.958 | 0.958 | 0.958 |
| 2004 | 0.011 | 0.078 | 0.224 | 0.403 | 0.573 | 0.736 | 0.827 | 0.84 | 1173 | 1173 | 1173 | 1173 | 1173 |
| 2005 | 0.017 | 0.111 | 0.284 | 0.449 | 0.573 | 0.668 | 0.711 | 0.661 | 0.905 | 0.905 | 0.905 | 0.905 | 0.905 |
| 2006 | 0.028 | 0.171 | 0.388 | 0.554 | 0.652 | 0.733 | 0.79 | 0.742 | 1001 | 1001 | 1001 | 1001 | 1001 |

| Year-Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007 | 0.038 | 0.221 | 0.449 | 0.581 | 0.628 | 0.692 | 0.769 | 0.741 | 1042 | 1042 | 1042 | 1042 | 1042 |
| 2008 | 0.054 | 0.298 | 0.556 | 0.651 | 0.64 | 0.651 | 0.708 | 0.693 | 0.981 | 0.981 | 0.981 | 0.981 | 0.981 |
| 2009 | 0.059 | 0.342 | 0.612 | 0.694 | 0.657 | 0.633 | 0.667 | 0.647 | 0.886 | 0.886 | 0.886 | 0.886 | 0.886 |
| 2010 | 0.067 | 0.383 | 0.666 | 0.757 | 0.697 | 0.661 | 0.68 | 0.666 | 0.896 | 0.896 | 0.896 | 0.896 | 0.896 |
| 2011 | 0.056 | 0.319 | 0.549 | 0.645 | 0.603 | 0.582 | 0.609 | 0.63 | 0.885 | 0.885 | 0.885 | 0.885 | 0.885 |
| 2012 | 0.057 | 0.331 | 0.555 | 0.661 | 0.646 | 0.635 | 0.674 | 0.725 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| 2013 | 0.055 | 0.313 | 0.516 | 0.601 | 0.588 | 0.583 | 0.599 | 0.637 | 0.937 | 0.937 | 0.937 | 0.937 | 0.937 |
| 2014 | 0.054 | 0.3 | 0.496 | 0.591 | 0.574 | 0.566 | 0.533 | 0.511 | 0.637 | 0.637 | 0.637 | 0.637 | 0.637 |
| 2015 | 0.061 | 0.346 | 0.583 | 0.721 | 0.707 | 0.72 | 0.664 | 0.591 | 0.631 | 0.631 | 0.631 | 0.631 | 0.631 |
| 2016 | 0.057 | 0.321 | 0.537 | 0.645 | 0.611 | 0.587 | 0.507 | 0.396 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| 2017 | 0.053 | 0.289 | 0.465 | 0.529 | 0.482 | 0.434 | 0.346 | 0.239 | 0.159 | 0.159 | 0.159 | 0.159 | 0.159 |
| 2018 | 0.056 | 0.301 | 0.457 | 0.504 | 0.462 | 0.407 | 0.33 | 0.229 | 0.139 | 0.139 | 0.139 | 0.139 | 0.139 |
| 2019 | 0.061 | 0.321 | 0.448 | 0.464 | 0.414 | 0.344 | 0.262 | 0.172 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 2020 | 0.053 | 0.294 | 0.396 | 0.384 | 0.33 | 0.266 | 0.189 | 0.117 | 0.055 | 0.055 | 0.055 | 0.055 | 0.055 |
| 2021 | 0.048 | 0.278 | 0.386 | 0.367 | 0.311 | 0.25 | 0.178 | 0.11 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 2022 | 0.039 | 0.24 | 0.352 | 0.351 | 0.307 | 0.254 | 0.183 | 0.112 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 2023 | 0.025 | 0.157 | 0.241 | 0.248 | 0.223 | 0.188 | 0.14 | 0.089 | 0.041 | 0.041 | 0.041 | 0.041 | 0.041 |

**Table 6.5.2. Faroe saithe (Division 5.b). Stock number-at-age (start of year; Thousands; 1961–2023).**

| Year Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1961 | 8783 | 7307 | 5779 | 3511 | 1936 | 1354 | 1022 | 682 | 316 | 120 | 60 | 6 | 291 |
| 1962 | 13789 | 6984 | 5758 | 4313 | 2422 | 1378 | 1011 | 731 | 497 | 223 | 71 | 49 | 199 |
| 1963 | 20353 | 9799 | 4911 | 4141 | 3087 | 1648 | 1053 | 736 | 497 | 376 | 177 | 41 | 143 |
| 1964 | 16935 | 17853 | 8458 | 3790 | 3086 | 2165 | 1147 | 748 | 472 | 330 | 207 | 114 | 94 |
| 1965 | 20627 | 11942 | 13253 | 5896 | 2642 | 2067 | 1364 | 796 | 502 | 296 | 213 | 116 | 131 |
| 1966 | 15785 | 16279 | 8635 | 9416 | 3918 | 1730 | 1328 | 792 | 499 | 290 | 152 | 112 | 133 |
| 1967 | 19968 | 12183 | 11841 | 5856 | 6253 | 2441 | 1081 | 826 | 433 | 288 | 163 | 74 | 119 |
| 1968 | 20707 | 17232 | 9721 | 8460 | 4031 | 3915 | 1491 | 672 | 507 | 251 | 175 | 101 | 137 |
| 1969 | 33138 | 16292 | 13416 | 7651 | 6130 | 2889 | 2445 | 928 | 422 | 338 | 145 | 108 | 126 |
| 1970 | 30270 | 31764 | 11142 | 9280 | 5518 | 4212 | 1933 | 1377 | 521 | 244 | 206 | 82 | 129 |
| 1971 | 33401 | 23543 | 22764 | 7622 | 6464 | 4025 | 2901 | 1351 | 815 | 326 | 149 | 128 | 123 |
| 1972 | 33723 | 22604 | 16306 | 13386 | 5700 | 4916 | 3294 | 2272 | 1057 | 545 | 206 | 119 | 162 |
| 1973 | 26630 | 25740 | 17995 | 11436 | 7567 | 3618 | 3131 | 2106 | 1358 | 642 | 311 | 140 | 209 |
| 1974 | 23731 | 19014 | 15547 | 10655 | 7082 | 4259 | 2338 | 2061 | 1333 | 856 | 403 | 240 | 275 |
| 1975 | 19653 | 15102 | 11566 | 8755 | 6328 | 4700 | 2699 | 1600 | 1374 | 875 | 553 | 287 | 395 |
| 1976 | 21562 | 13243 | 8188 | 6122 | 5349 | 4286 | 3403 | 1994 | 1200 | 928 | 570 | 387 | 492 |
| 1977 | 14922 | 14445 | 7306 | 4603 | 3585 | 3661 | 3112 | 2580 | 1602 | 941 | 684 | 403 | 568 |
| 1978 | 9286 | 10210 | 8414 | 3712 | 2500 | 2124 | 2464 | 2281 | 2040 | 1181 | 731 | 533 | 669 |
| 1979 | 8039 | 6494 | 6279 | 4990 | 2333 | 1611 | 1207 | 1650 | 1540 | 1463 | 815 | 509 | 973 |
| 1980 | 14729 | 6144 | 4185 | 3670 | 3054 | 1396 | 957 | 688 | 945 | 929 | 1143 | 573 | 1072 |
| 1981 | 17872 | 10469 | 4229 | 2716 | 2292 | 1844 | 873 | 579 | 375 | 539 | 599 | 845 | 1209 |
| 1982 | 14412 | 18799 | 6218 | 2858 | 1460 | 1162 | 901 | 451 | 311 | 197 | 298 | 344 | 1360 |
| 1983 | 37817 | 10195 | 15000 | 3846 | 1570 | 809 | 545 | 436 | 268 | 166 | 102 | 203 | 882 |
| 1984 | 20851 | 32836 | 7320 | 9270 | 1984 | 770 | 383 | 211 | 247 | 139 | 66 | 56 | 522 |
| 1985 | 26194 | 18607 | 18597 | 4241 | 4616 | 929 | 382 | 178 | 102 | 150 | 68 | 29 | 307 |
| 1986 | 40693 | 17666 | 12841 | 8752 | 2418 | 2200 | 479 | 219 | 106 | 52 | 80 | 27 | 152 |
| 1987 | 41329 | 36943 | 11821 | 6848 | 3312 | 1288 | 887 | 206 | 111 | 44 | 20 | 31 | 73 |
| 1988 | 37612 | 30574 | 28919 | 6305 | 3124 | 1440 | 696 | 389 | 98 | 56 | 33 | 7 | 29 |

| Year Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1989 | 24300 | 33402 | 22964 | 17819 | 2817 | 1456 | 631 | 358 | 179 | 53 | 23 | 24 | 30 |
| 1990 | 18127 | 20887 | 23374 | 15271 | 9268 | 1443 | 692 | 308 | 218 | 80 | 34 | 15 | 39 |
| 1991 | 23860 | 16048 | 14507 | 11035 | 6809 | 3955 | 742 | 415 | 175 | 123 | 38 | 16 | 25 |
| 1992 | 19014 | 19650 | 9600 | 6162 | 3640 | 2566 | 1565 | 303 | 186 | 59 | 48 | 13 | 14 |
| 1993 | 24920 | 14994 | 12975 | 4409 | 2442 | 1482 | 1211 | 688 | 129 | 80 | 17 | 14 | 7 |
| 1994 | 15638 | 18915 | 9965 | 6706 | 1968 | 1162 | 742 | 647 | 346 | 57 | 43 | 6 | 7 |
| 1995 | 17528 | 10145 | 9997 | 6500 | 3186 | 884 | 608 | 379 | 300 | 165 | 25 | 25 | 7 |
| 1996 | 15304 | 16118 | 6402 | 4485 | 2945 | 1232 | 428 | 251 | 188 | 127 | 69 | 7 | 16 |
| 1997 | 21821 | 11969 | 13953 | 4396 | 3145 | 1643 | 513 | 205 | 105 | 104 | 64 | 33 | 13 |
| 1998 | 13864 | 19185 | 10935 | 12976 | 3260 | 1575 | 844 | 222 | 92 | 45 | 51 | 29 | 18 |
| 1999 | 30046 | 9770 | 17072 | 8495 | 11526 | 1838 | 765 | 352 | 87 | 39 | 16 | 23 | 19 |
| 2000 | 38864 | 33751 | 7037 | 14457 | 6186 | 6997 | 752 | 367 | 133 | 35 | 14 | 6 | 11 |
| 2001 | 76803 | 27899 | 33550 | 5073 | 8183 | 3074 | 2556 | 445 | 156 | 50 | 15 | 8 | 7 |
| 2002 | 47018 | 76061 | 21178 | 24959 | 2346 | 2800 | 1234 | 760 | 128 | 39 | 13 | 3 | 4 |
| 2003 | 43962 | 50266 | 55840 | 12209 | 10940 | 1108 | 839 | 604 | 248 | 47 | 10 | 4 | 2 |
| 2004 | 20413 | 41443 | 54813 | 39894 | 6182 | 3762 | 373 | 415 | 230 | 79 | 15 | 3 | 2 |
| 2005 | 38290 | 25606 | 32168 | 45406 | 17444 | 2474 | 1201 | 163 | 139 | 56 | 15 | 4 | 1 |
| 2006 | 31335 | 40324 | 24713 | 19887 | 23527 | 8088 | 934 | 506 | 68 | 39 | 19 | 6 | 2 |
| 2007 | 25020 | 18286 | 36362 | 15138 | 9792 | 8702 | 2991 | 542 | 144 | 22 | 13 | 5 | 2 |
| 2008 | 39633 | 17508 | 9432 | 21915 | 7799 | 5658 | 4152 | 1040 | 241 | 31 | 7 | 4 | 2 |
| 2009 | 15992 | 21140 | 11696 | 4291 | 9474 | 4078 | 2972 | 2109 | 452 | 79 | 8 | 2 | 2 |
| 2010 | 25337 | 10759 | 12362 | 2880 | 2304 | 3967 | 2180 | 1489 | 900 | 149 | 29 | 3 | 1 |
| 2011 | 39258 | 16553 | 5258 | 4112 | 1300 | 1028 | 1755 | 1020 | 608 | 328 | 58 | 9 | 1 |
| 2012 | 22756 | 28392 | 11890 | 2570 | 1576 | 697 | 609 | 800 | 431 | 177 | 133 | 22 | 3 |
| 2013 | 14106 | 19416 | 12741 | 6949 | 1179 | 735 | 320 | 302 | 297 | 123 | 39 | 42 | 7 |
| 2014 | 16635 | 11516 | 10744 | 4911 | 2617 | 574 | 377 | 212 | 156 | 94 | 37 | 8 | 16 |
| 2015 | 40073 | 10068 | 8001 | 4912 | 2168 | 894 | 328 | 208 | 130 | 78 | 36 | 15 | 10 |
| 2016 | 21574 | 41311 | 4887 | 3831 | 1596 | 850 | 280 | 149 | 144 | 64 | 40 | 10 | 8 |
| 2017 | 10888 | 19563 | 23907 | 2268 | 1535 | 922 | 355 | 155 | 45 | 90 | 54 | 21 | 10 |
| 2018 | 7006 | 7860 | 13214 | 11258 | 1082 | 735 | 389 | 221 | 112 | 35 | 70 | 39 | 23 |

| Year Age | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 25213 | 4416 | 4845 | 6614 | 4168 | 731 | 468 | 222 | 119 | 74 | 28 | 49 | 43 |
| 2020 | 8601 | 19255 | 2188 | 3135 | 3671 | 1540 | 502 | 416 | 91 | 87 | 59 | 20 | 65 |
| 2021 | 17315 | 5094 | 8944 | 1278 | 1835 | 2192 | 853 | 544 | 237 | 76 | 66 | 43 | 62 |
| 2022 | 4875 | 16177 | 2768 | 3580 | 782 | 1044 | 1286 | 724 | 459 | 238 | 45 | 49 | 69 |
| 2023 | 5451 | 2790 | 9228 | 1609 | 1705 | 502 | 737 | 821 | 538 | 348 | 185 | 35 | 92 |

**Table 6.5.3. Faroe saithe (Division 5.b). Summary table (1961–2023).**

| Year | R(3) | Low | High | SSB | Low | High | F(4–8) | Low | High | TSB | Low | High | Catch |
|------|------|-----|------|-----|-----|------|--------|-----|------|-----|-----|------|-------|
| 1961 | 8783 | 4724 | 1633 | 6405 | 4826 | 8501 | 0.10 | 0.06 | 0.15 | 1005 | 7528 | 1343 | 9592 |
| 1962 | 1378 | 7768 | 2447 | 6915 | 5276 | 9064 | 0.12 | 0.08 | 0.17 | 1097 | 8324 | 1447 | 1045 |
| 1963 | 2035 | 1156 | 3583 | 7697 | 5960 | 9941 | 0.12 | 0.09 | 0.18 | 1295 | 9875 | 1699 | 1269 |
| 1964 | 1693 | 9694 | 2958 | 8817 | 6872 | 1131 | 0.16 | 0.11 | 0.23 | 1510 | 1148 | 1986 | 2189 |
| 1965 | 2062 | 1181 | 3600 | 9819 | 7601 | 1268 | 0.18 | 0.13 | 0.26 | 1630 | 1242 | 2138 | 2218 |
| 1966 | 1578 | 9025 | 2761 | 1027 | 7858 | 1342 | 0.19 | 0.13 | 0.27 | 1661 | 1262 | 2186 | 2556 |
| 1967 | 1996 | 1146 | 3477 | 9911 | 7515 | 1307 | 0.16 | 0.11 | 0.23 | 1590 | 1205 | 2096 | 2131 |
| 1968 | 2070 | 1197 | 3579 | 1008 | 7673 | 1324 | 0.16 | 0.11 | 0.23 | 1639 | 1249 | 2152 | 2038 |
| 1969 | 3313 | 1929 | 5692 | 1073 | 8194 | 1406 | 0.19 | 0.13 | 0.27 | 1846 | 1409 | 2420 | 2743 |
| 1970 | 3027 | 1779 | 5150 | 1132 | 8645 | 1484 | 0.19 | 0.13 | 0.27 | 2005 | 1531 | 2626 | 2911 |
| 1971 | 3340 | 1978 | 5638 | 1258 | 9633 | 1644 | 0.18 | 0.13 | 0.26 | 2099 | 1621 | 2717 | 3270 |
| 1972 | 3372 | 2010 | 5656 | 1449 | 1121 | 1874 | 0.24 | 0.17 | 0.34 | 2280 | 1789 | 2907 | 4266 |
| 1973 | 2663 | 1592 | 4452 | 1610 | 1250 | 2073 | 0.28 | 0.20 | 0.39 | 2512 | 1984 | 3180 | 5743 |
| 1974 | 2373 | 1412 | 3986 | 1552 | 1206 | 1997 | 0.28 | 0.20 | 0.39 | 2402 | 1904 | 3030 | 4718 |
| 1975 | 1965 | 1168 | 3306 | 1549 | 1205 | 1990 | 0.27 | 0.19 | 0.37 | 2224 | 1769 | 2796 | 4157 |
| 1976 | 2156 | 1275 | 3643 | 1382 | 1083 | 1763 | 0.26 | 0.19 | 0.36 | 1971 | 1578 | 2462 | 3306 |
| 1977 | 1492 | 8832 | 2521 | 1289 | 1024 | 1623 | 0.27 | 0.19 | 0.38 | 1784 | 1440 | 2209 | 3483 |
| 1978 | 9286 | 5490 | 1570 | 1158 | 9323 | 1438 | 0.25 | 0.18 | 0.35 | 1599 | 1298 | 1970 | 2813 |
| 1979 | 8039 | 4739 | 1363 | 1044 | 8465 | 1288 | 0.26 | 0.19 | 0.36 | 1349 | 1106 | 1646 | 2724 |
| 1980 | 1472 | 8725 | 2486 | 9844 | 8044 | 1204 | 0.27 | 0.20 | 0.37 | 1356 | 1118 | 1646 | 2523 |
| 1981 | 1787 | 1055 | 3026 | 8276 | 6825 | 1003 | 0.34 | 0.25 | 0.45 | 1300 | 1063 | 1589 | 3010 |
| 1982 | 1441 | 8510 | 2440 | 7614 | 6292 | 9214 | 0.35 | 0.26 | 0.47 | 1314 | 1056 | 1635 | 3096 |
| 1983 | 3781 | 2221 | 6437 | 7825 | 6330 | 9674 | 0.42 | 0.32 | 0.56 | 1614 | 1259 | 2069 | 3917 |
| 1984 | 2085 | 1235 | 3518 | 8761 | 6945 | 1105 | 0.43 | 0.33 | 0.57 | 1778 | 1372 | 2305 | 5466 |
| 1985 | 2619 | 1559 | 4401 | 9506 | 7529 | 1200 | 0.43 | 0.32 | 0.56 | 1853 | 1450 | 2369 | 4460 |
| 1986 | 4069 | 2409 | 6872 | 8827 | 7052 | 1104 | 0.49 | 0.37 | 0.64 | 1964 | 1510 | 2555 | 4171 |
| 1987 | 4132 | 2450 | 6971 | 8551 | 6834 | 1069 | 0.47 | 0.36 | 0.61 | 2129 | 1609 | 2817 | 4002 |
| 1988 | 3761 | 2227 | 6350 | 9477 | 7435 | 1208 | 0.41 | 0.31 | 0.55 | 2179 | 1660 | 2861 | 4528 |
| 1989 | 2430 | 1444 | 4088 | 1038 | 8107 | 1330 | 0.39 | 0.29 | 0.51 | 2018 | 1564 | 2602 | 4447 |
| 1990 | 1812 | 1080 | 3041 | 1009 | 7973 | 1277 | 0.47 | 0.36 | 0.62 | 1736 | 1378 | 2186 | 6162 |
| 1991 | 2386 | 1430 | 3979 | 8313 | 6696 | 1032 | 0.64 | 0.49 | 0.83 | 1483 | 1194 | 1843 | 5485 |
| 1992 | 1901 | 1141 | 3166 | 6500 | 5306 | 7962 | 0.56 | 0.44 | 0.73 | 1260 | 1007 | 1575 | 3648 |
| 1993 | 2492 | 1494 | 4155 | 6295 | 5134 | 7719 | 0.48 | 0.37 | 0.62 | 1341 | 1058 | 1700 | 3354 |
| 1994 | 1563 | 9462 | 2584 | 6122 | 5036 | 7441 | 0.44 | 0.33 | 0.57 | 1279 | 1013 | 1615 | 3318 |
| 1995 | 1752 | 1057 | 2906 | 5940 | 4868 | 7247 | 0.44 | 0.33 | 0.58 | 1159 | 9234 | 1456 | 2720 |
| 1996 | 1530 | 9350 | 2505 | 4904 | 4019 | 5985 | 0.34 | 0.26 | 0.45 | 1065 | 8313 | 1364 | 2002 |
| 1997 | 2182 | 1337 | 3559 | 5437 | 4421 | 6685 | 0.33 | 0.25 | 0.43 | 1203 | 9354 | 1549 | 2230 |
| 1998 | 1386 | 8481 | 2266 | 6350 | 5177 | 7788 | 0.33 | 0.25 | 0.43 | 1301 | 1033 | 1639 | 2642 |
| 1999 | 3004 | 1814 | 4975 | 7743 | 6307 | 9506 | 0.35 | 0.27 | 0.45 | 1592 | 1265 | 2005 | 3320 |
| 2000 | 3886 | 2389 | 6320 | 8937 | 7354 | 1086 | 0.35 | 0.27 | 0.46 | 2094 | 1648 | 2660 | 3902 |
| 2001 | 7680 | 4712 | 1251 | 9508 | 7800 | 1158 | 0.49 | 0.37 | 0.63 | 2698 | 2067 | 3520 | 5178 |
| 2002 | 4701 | 2841 | 7780 | 9885 | 8045 | 1214 | 0.43 | 0.33 | 0.56 | 2786 | 2145 | 3618 | 5354 |
| 2003 | 4396 | 2684 | 7200 | 1069 | 8552 | 1336 | 0.39 | 0.29 | 0.51 | 2708 | 2098 | 3494 | 4655 |
| 2004 | 2041 | 1213 | 3432 | 1169 | 9381 | 1457 | 0.40 | 0.30 | 0.52 | 2638 | 2085 | 3338 | 4635 |
| 2005 | 3829 | 2371 | 6181 | 1122 | 9082 | 1386 | 0.41 | 0.32 | 0.54 | 2539 | 2044 | 3153 | 6796 |

| Year | R(3) | Low | High | SSB | Low | High | F(4–8) | Low | High | TSB | Low | High | Catch |
|------|------|-----|------|-----|-----|------|--------|-----|------|-----|-----|------|-------|
| 2006 | 3133 | 1966 | 4992 | 1052 | 8628 | 1284 | 0.49 | 0.38 | 0.64 | 2326 | 1894 | 2856 | 6846 |
| 2007 | 2502 | 1582 | 3956 | 9099 | 7519 | 1101 | 0.51 | 0.40 | 0.65 | 1912 | 1569 | 2331 | 6235 |
| 2008 | 3963 | 2449 | 6413 | 8241 | 6850 | 9914 | 0.55 | 0.44 | 0.71 | 1785 | 1459 | 2185 | 5924 |
| 2009 | 1599 | 1008 | 2535 | 7326 | 6123 | 8766 | 0.58 | 0.46 | 0.74 | 1393 | 1153 | 1683 | 5955 |
| 2010 | 2533 | 1611 | 3982 | 5785 | 4854 | 6894 | 0.63 | 0.49 | 0.81 | 1281 | 1044 | 1572 | 4544 |
| 2011 | 3925 | 2473 | 6231 | 4445 | 3759 | 5256 | 0.54 | 0.42 | 0.69 | 1222 | 9659 | 1545 | 3008 |
| 2012 | 2275 | 1444 | 3585 | 4042 | 3390 | 4820 | 0.56 | 0.44 | 0.72 | 1104 | 8770 | 1391 | 3544 |
| 2013 | 1410 | 8936 | 2226 | 3805 | 3139 | 4612 | 0.52 | 0.40 | 0.67 | 9803 | 7834 | 1226 | 2653 |
| 2014 | 1663 | 1051 | 2630 | 4238 | 3483 | 5157 | 0.50 | 0.38 | 0.65 | 9619 | 7710 | 1200 | 2410 |
| 2015 | 4007 | 2518 | 6376 | 4126 | 3395 | 5014 | 0.61 | 0.47 | 0.80 | 1053 | 8278 | 1341 | 2589 |
| 2016 | 2157 | 1363 | 3412 | 4198 | 3384 | 5207 | 0.54 | 0.41 | 0.71 | 1123 | 8624 | 1463 | 2967 |
| 2017 | 1088 | 6838 | 1733 | 5151 | 4050 | 6551 | 0.44 | 0.32 | 0.58 | 1105 | 8593 | 1422 | 3085 |
| 2018 | 7006 | 4337 | 1131 | 5229 | 4126 | 6628 | 0.42 | 0.31 | 0.57 | 9453 | 7466 | 1196 | 2404 |
| 2019 | 2521 | 1518 | 4185 | 4834 | 3793 | 6161 | 0.39 | 0.29 | 0.54 | 9599 | 7358 | 1252 | 2117 |
| 2020 | 8601 | 5117 | 1445 | 4927 | 3801 | 6387 | 0.33 | 0.23 | 0.46 | 9194 | 6993 | 1208 | 2292 |
| 2021 | 1731 | 9537 | 3143 | 5121 | 3861 | 6792 | 0.31 | 0.21 | 0.46 | 9064 | 6693 | 1227 | 1730 |
| 2022 | 4875 | 2338 | 1016 | 5082 | 3691 | 6997 | 0.30 | 0.19 | 0.46 | 8369 | 5852 | 1196 | 1611 |
| 2023 | 5451 | 1904 | 1560 | 4912 | 3245 | 7435 | 0.21 | 0.12 | 0.37 | 7166 | 4486 | 1144 | 7751 |

**Table 6.6.1.1. Faroe saithe (Division 5.b). Input data for short-term forecast for the SAM assessment. Natural mortality (nm), maturity (mat), catch weights (cw), selection pattern(sel), stock weights (sw). Units for catch and stock weights are kg.**

| "age" | "N" | "nm" | "mat" | "pf" | "pm" | "sw" | "sel" | "cw" |
|-------|-----|------|-------|------|------|------|-------|------|
| 3 | 78889 | 0.2 | 0.066 | 0 | 0 | 1.413 | 0.187 | 1.413 |
| 4 | 8637 | 0.2 | 0.272 | 0 | 0 | 1.786 | 0.974 | 1.786 |
| 5 | 13375 | 0.2 | 0.524 | 0 | 0 | 2.516 | 1.468 | 2.516 |
| 6 | 1397 | 0.2 | 0.75 | 0 | 0 | 3.174 | 1.724 | 3.174 |
| 7 | 1943 | 0.2 | 0.902 | 0 | 0 | 4.027 | 1.633 | 4.027 |
| 8 | 2233 | 0.2 | 0.976 | 0 | 0 | 4.861 | 1.538 | 4.861 |
| 9 | 735 | 0.2 | 0.99 | 0 | 0 | 6.543 | 1.377 | 6.543 |
| 10 | 244 | 0.2 | 1 | 0 | 0 | 7.409 | 1.044 | 7.409 |
| 11 | 149 | 0.2 | 1 | 0 | 0 | 8.313 | 0.611 | 8.313 |
| 12 | 33 | 0.2 | 1 | 0 | 0 | 8.79 | 0.611 | 8.79 |
| 13 | 30 | 0.2 | 1 | 0 | 0 | 8.537 | 0.611 | 8.537 |
| 14 | 24 | 0.2 | 1 | 0 | 0 | 8.622 | 0.611 | 8.622 |
| 15 | 35 | 0.2 | 1 | 0 | 0 | 8.593 | 0.611 | 8.593 |

**Table 6.6.2.1. Faroe saithe (Division 5.b). Output of the SAM short-term-forecast including confidence intervals (low and high columns). Units for ssb and catch are tonnes, thousands for recruitment. $F_{MSY}$ advice.**

| Year | fbar:median | fbar:low | fbar:high | rec:median | rec:low | rec:high | ssb:median | ssb:low | ssb:high | catch:median | catch:low | catch:high | tsb:median | tsb:low | tsb:high |
|------|-------------|----------|-----------|------------|---------|----------|------------|---------|----------|--------------|-----------|------------|------------|---------|----------|
| 2023 | 0.217 | 0.126 | 0.371 | 5314 | 2101 | 14140 | 50929 | 34594 | 76400 | 9719 | 6477 | 15159 | 72773 | 46882 | 113638 |
| 2024 | 0.38 | 0.221 | 0.65 | 8601 | 4875 | 25213 | 52547 | 31663 | 90068 | 15323 | 9948 | 25406 | 81164 | 48624 | 132091 |
| 2025 | 0.38 | 0.221 | 0.65 | 8601 | 4875 | 25213 | 50089 | 26992 | 95623 | 15205 | 9036 | 25716 | 82747 | 45913 | 142962 |
| 2026 | 0.38 | 0.221 | 0.65 | 8601 | 4875 | 25213 | 51224 | 25654 | 102183 | 16475 | 8612 | 29829 | 88389 | 46480 | 153645 |

**Table 6.7.1. Faroe saithe (Division 5.b). Input data for the yield-per-recruit calculations of the SAM assessment. Natural mortality (nm), maturity (mat), catch weights (cw), selection pattern(sel), stock weights (sw). Units for catch and stock weights are kg.**

| "age" | "nm" | "mat" | "pf" | "pm" | "sw" | "sel" | "cw" |
|---|---|---|---|---|---|---|---|
| 3 | 0.2 | 0.033 | 0 | 0 | 1228 | 0.119 | 1228 |
| 4 | 0.2 | 0.23 | 0 | 0 | 1575 | 0.644 | 1575 |
| 5 | 0.2 | 0.461 | 0 | 0 | 2013 | 1056 | 2013 |
| 6 | 0.2 | 0.68 | 0 | 0 | 2619 | 1252 | 2619 |
| 7 | 0.2 | 0.843 | 0 | 0 | 3468 | 1202 | 3468 |
| 8 | 0.2 | 0.937 | 0 | 0 | 4.45 | 1185 | 4.45 |
| 9 | 0.2 | 0.981 | 0 | 0 | 5305 | 1169 | 5305 |
| 10 | 0.2 | 1 | 0 | 0 | 6058 | 1029 | 6058 |
| 11 | 0.2 | 1 | 0 | 0 | 6626 | 1069 | 6626 |
| 12 | 0.2 | 1 | 0 | 0 | 7.27 | 1069 | 7.27 |
| 13 | 0.2 | 1 | 0 | 0 | 7524 | 1069 | 7524 |
| 14 | 0.2 | 1 | 0 | 0 | 8489 | 1069 | 8489 |
| 15 | 0.2 | 1 | 0 | 0 | 9115 | 1069 | 9115 |

## 6.18    Figures
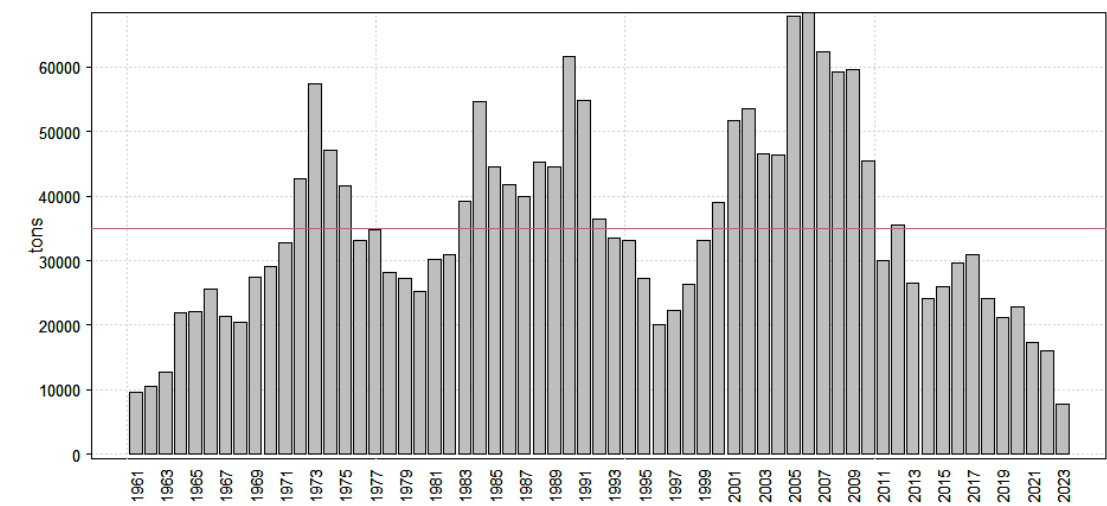


**Figure 6.2.1.1. Faroe saithe (Division 5.b). Landings (tonnes; 1961–2023). Horizontal red line represents average landings. Landings in 2023 are estimated from January to September and extrapolated to total at the end of the year.**
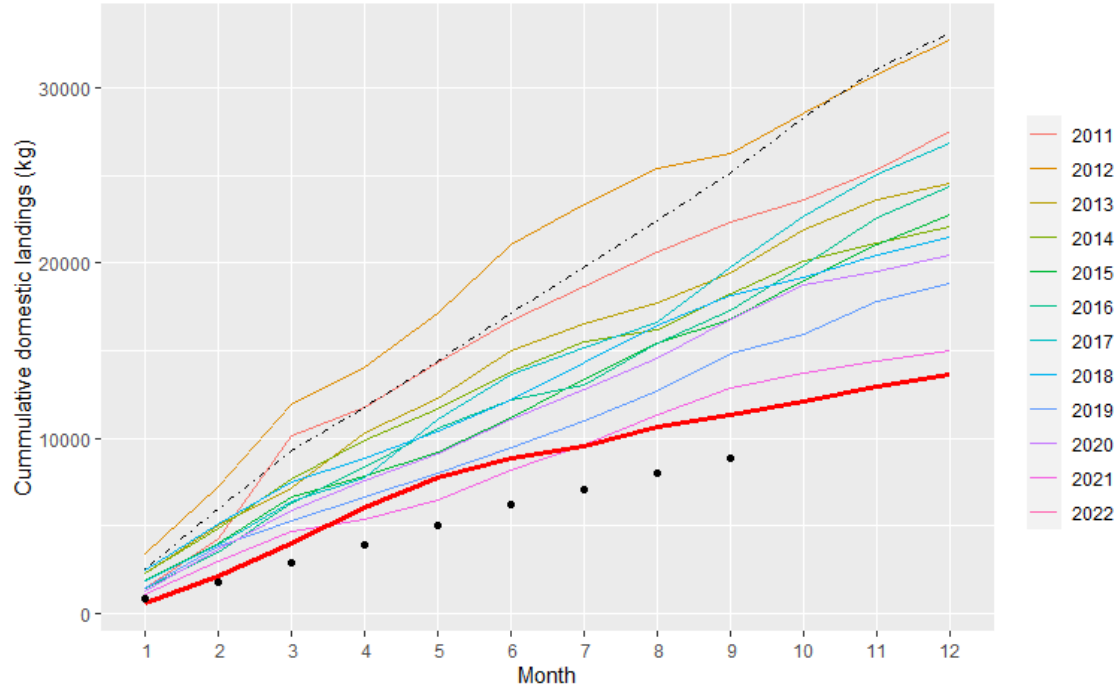


**Figure 6.2.1.2. Saithe in the Faroes (Division 5.b). Cumulative domestic landings (2011–2023). Black line shows the first nine months of 2023.**
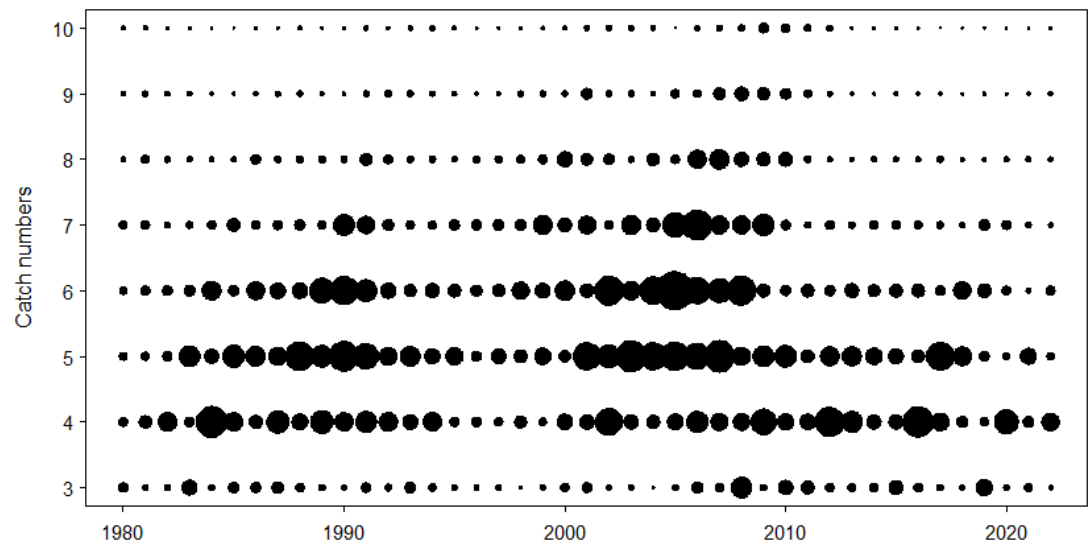
**Figure 6.2.2.2. Faroe saithe (Division 5.b). Cath-at-age numbers in the commercial catches (ages 3–10; 1961–2022).**
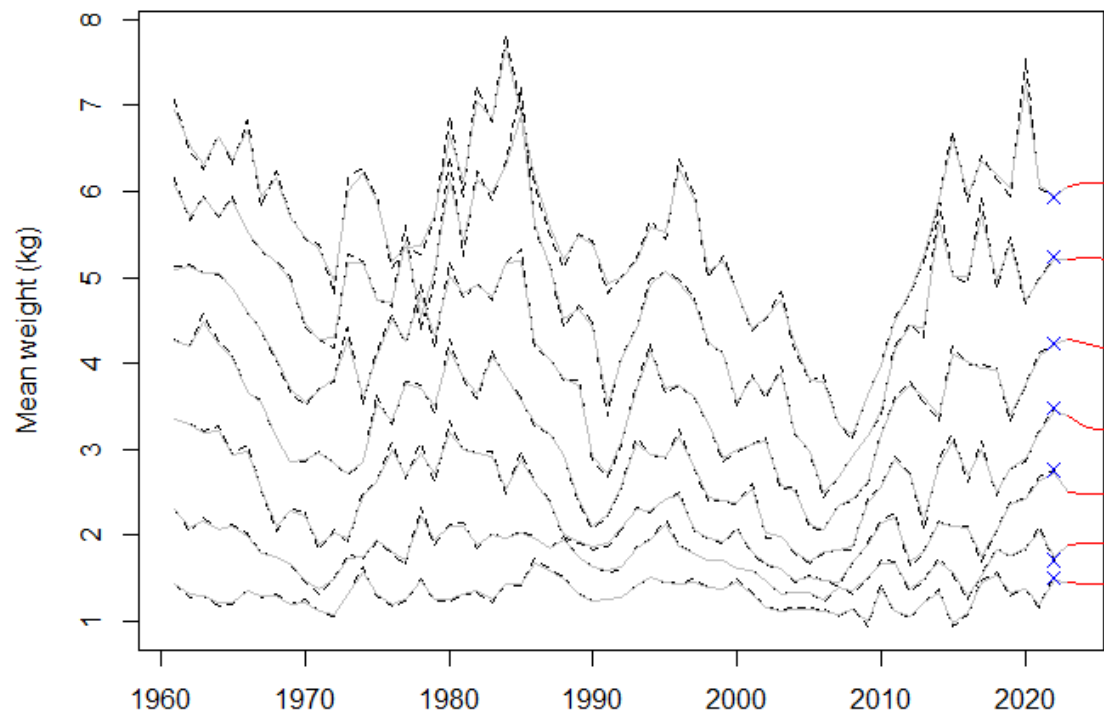


**Figure 6.2.3.1.a Faroe saithe (Division 5.b). Observed (points) and predicted (line) mean weight at age (kg) in commercial catches (ages 3–11; 1961–2022). Blue cross are values for 2022. Catch-weights from 2023 are estimated by the SAM model.**
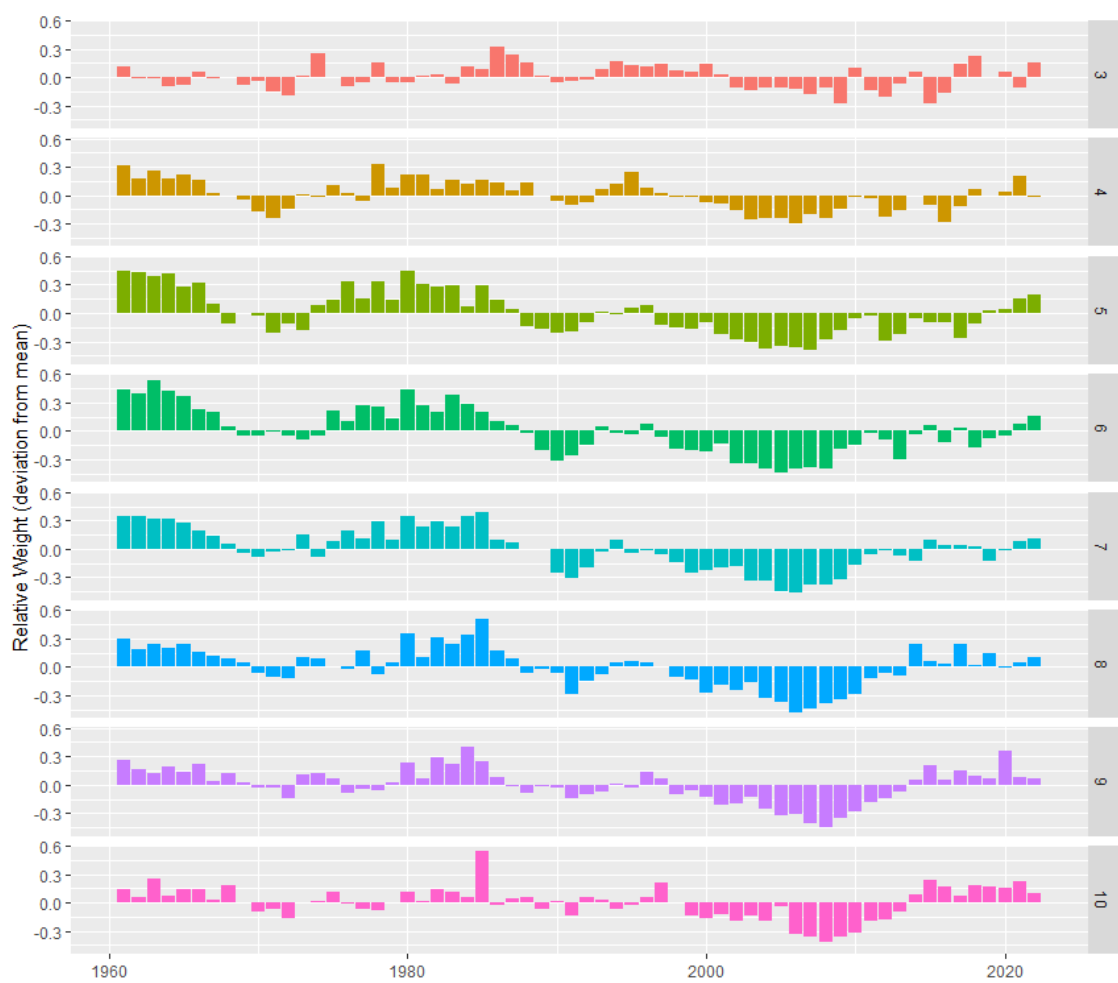
**Figure 6.2.3.1.b Faroe saithe (Division 5.b). Deviations of mean weight at age (kg) from historical average in commercial catches (ages 3–10; 1961–2022).**
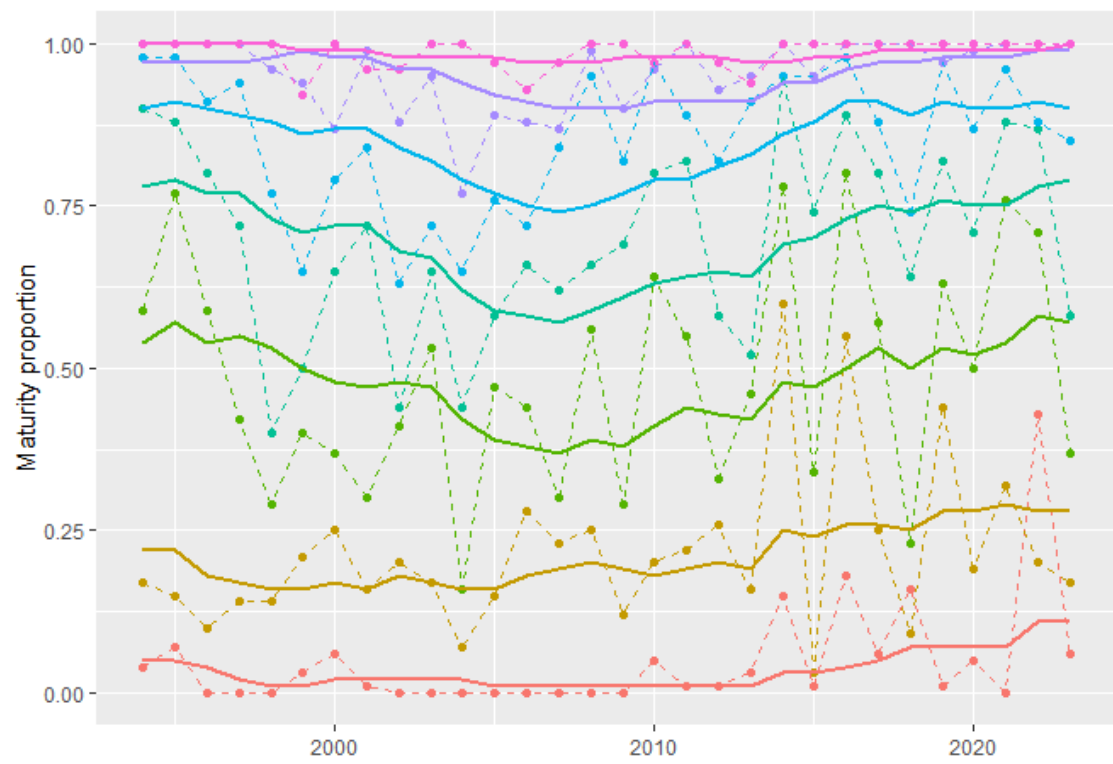
**Figure 6.2.4.1. Faroe saithe (Division 5.b). Observed and smoothed maturity ogives (ages 3–9; 1994–2023) from FGFS1 (spring survey).**
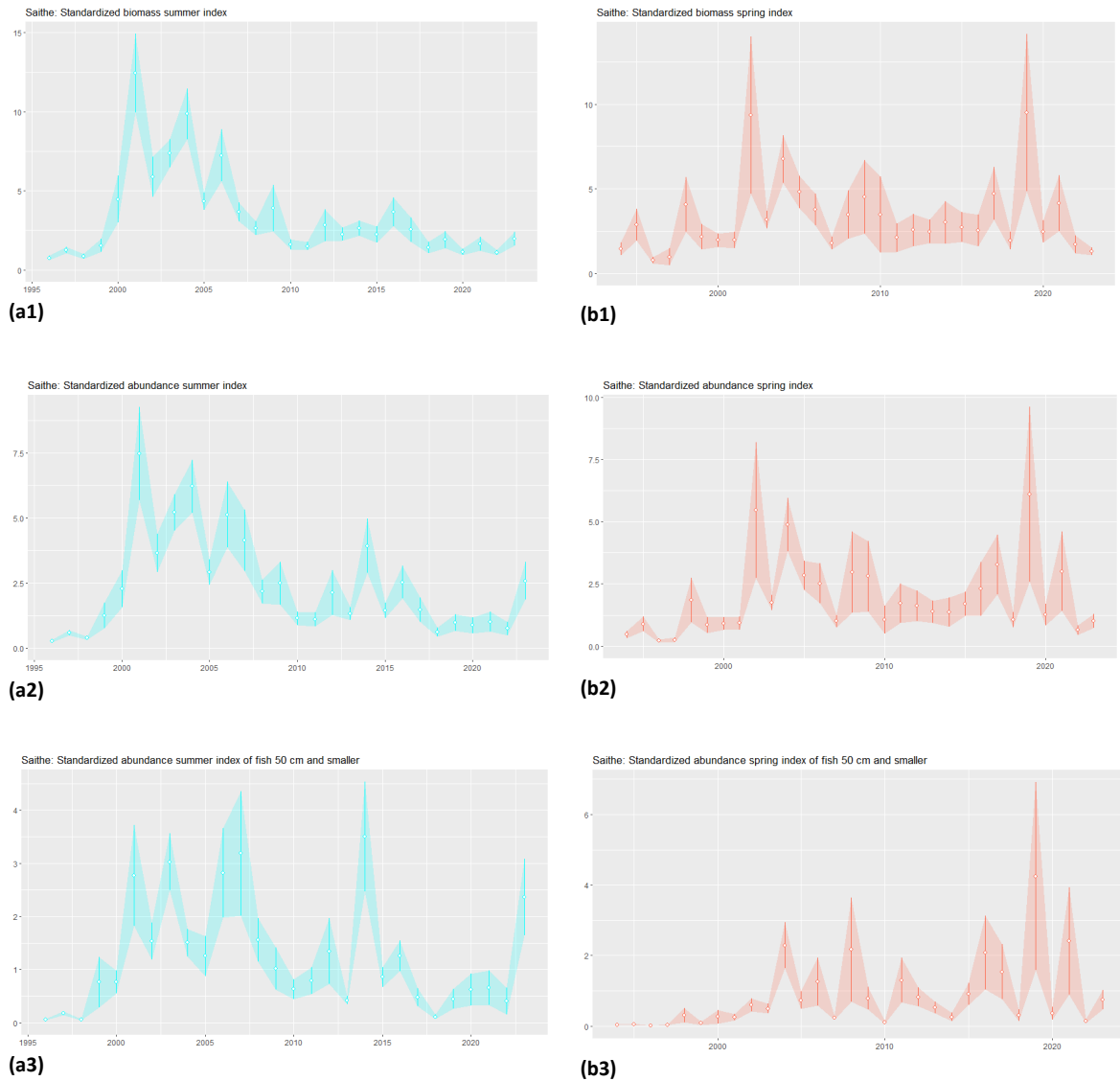
**Figure 6.2.5.1.1. Faroe saithe (Division 5.b). Standardized biomass (a1; b1) and abundance (a2 )(b2) indices from the Faroese bottom-trawl summer FGFS1 (1996–2023) and spring surveys FGFS2 (1994–2023). Abundance indices of fish 50 cm and smaller are proxies for recruitment strength (a3; b3). Shade areas show standard errors in the estimation of indices.**
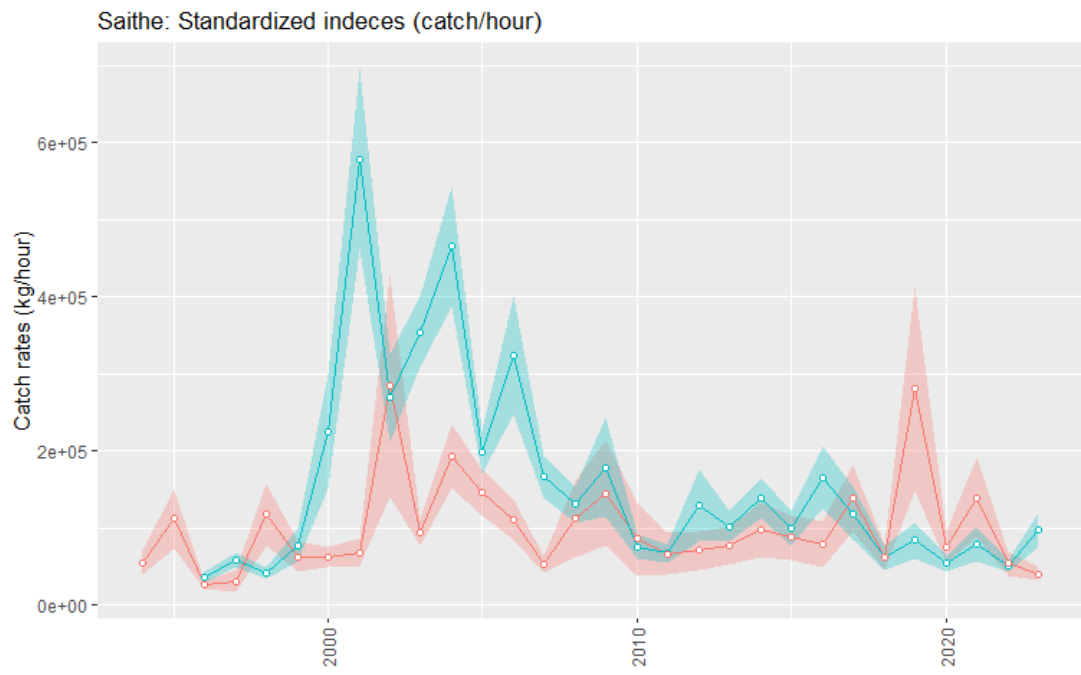
**Figure 6.2.5.1.2. Faroe saithe (Division 5.b). Catch rates (kg/hour) from the Faroese bottom-trawl spring FGFS1 (1994–2023; red line) and summer survey FGFS2 (1996–2023; cyan line). Shade areas show standard errors in the estimation of indices.**



**Figure 6.2.5.1.3. Faroe saithe (Division 5.b). Age-disaggregated (ages 3–10) numbers from the commercial fleet (left panel), the Faroese bottom-trawl spring FGFS1 (middle panel) and summer survey FGFS2 (right panel) since 1995.**
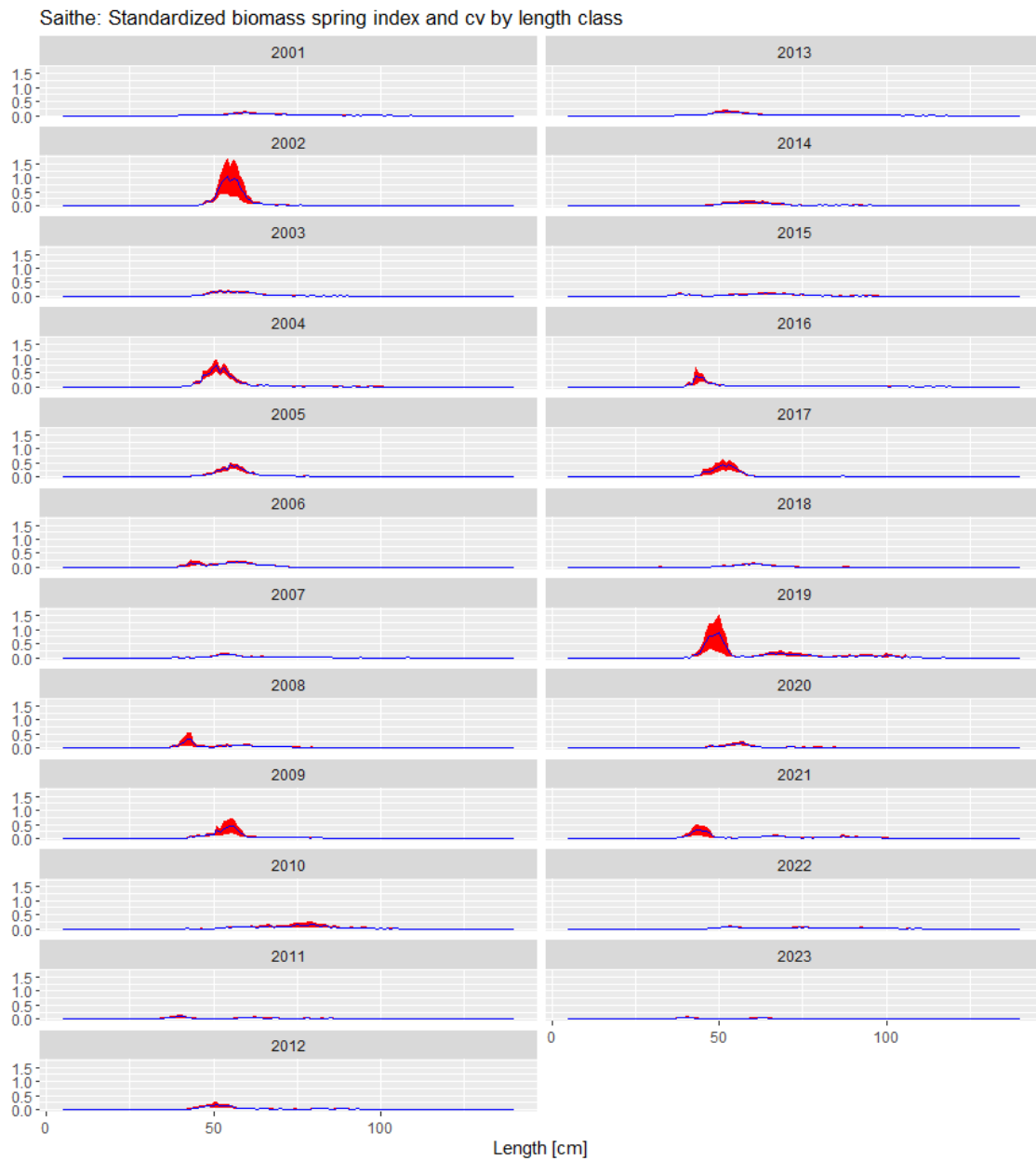
Figure 6.2.5.1.4. Faroe saithe (Division 5.b). Length composition from the Faroese bottom-trawl spring survey FGFS1 (2001–2023).

**Figure 6.2.5.1.5. Faroe saithe (Division 5.b). Length composition from the Faroese bottom-trawl summer survey FGFS2 (2000–2023).**
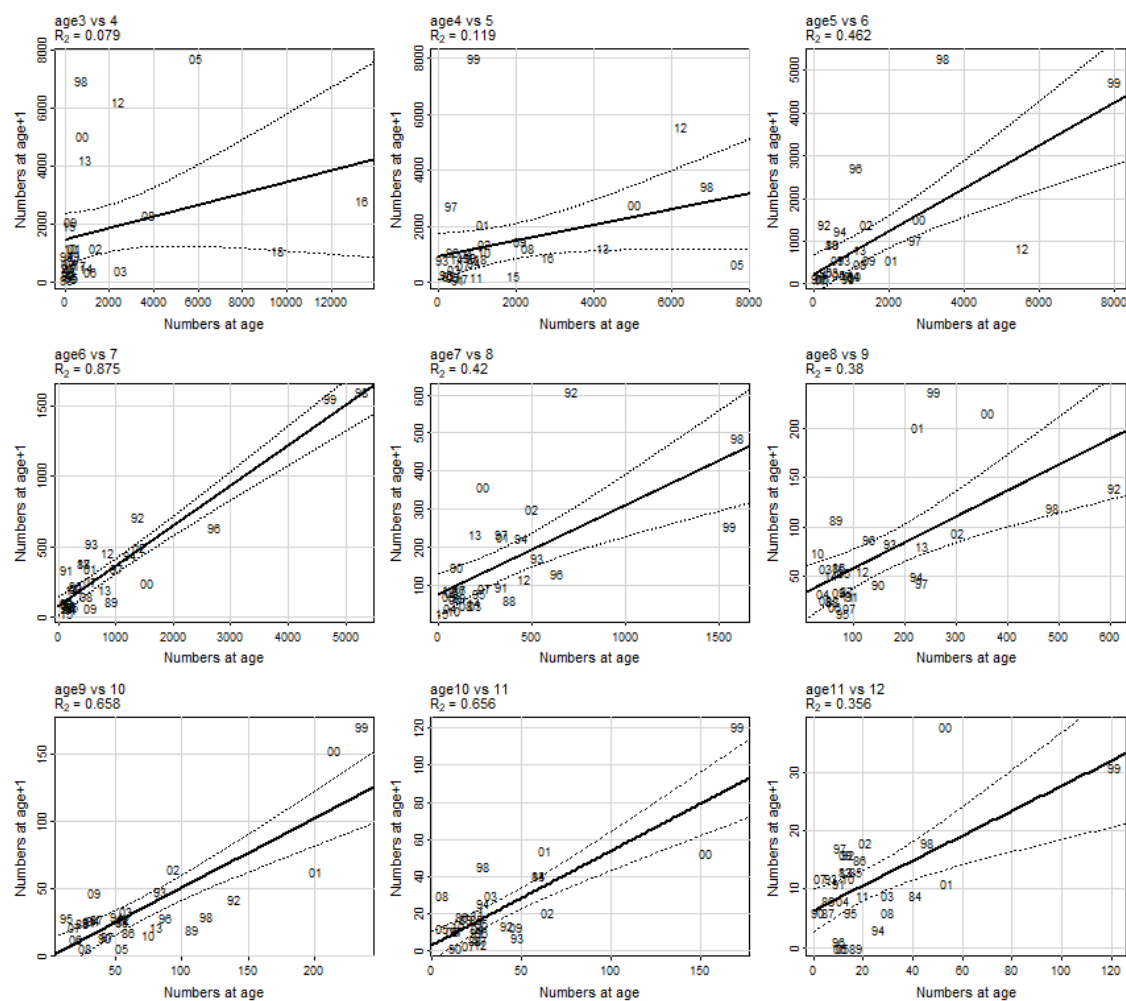
**Figure 6.2.5.1.6. Faroe saithe (Division 5.b). Numbers from spring survey (FGFS1) plotted against numbers of the same year class one year later. Letters in the figures represent year classes. Horizontal and vertical lines crossing is the most recent pair.**
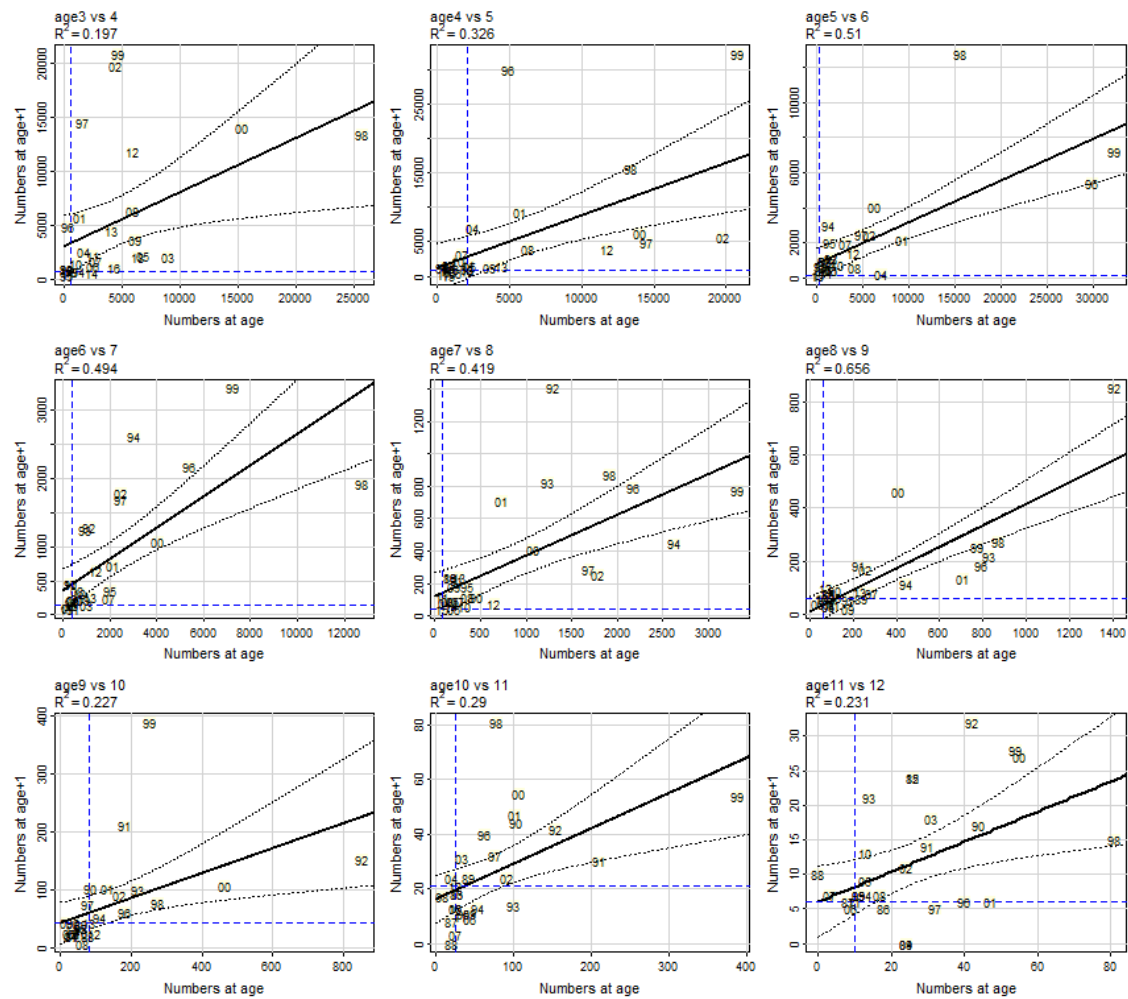
**Figure 6.2.5.1.7. Faroe saithe (Division 5.b). Numbers from summer survey (FGFS2) plotted against numbers of the same year class one year later. Letters in the figures represent year classes. Horizontal and vertical lines crossing is the most recent pair.**
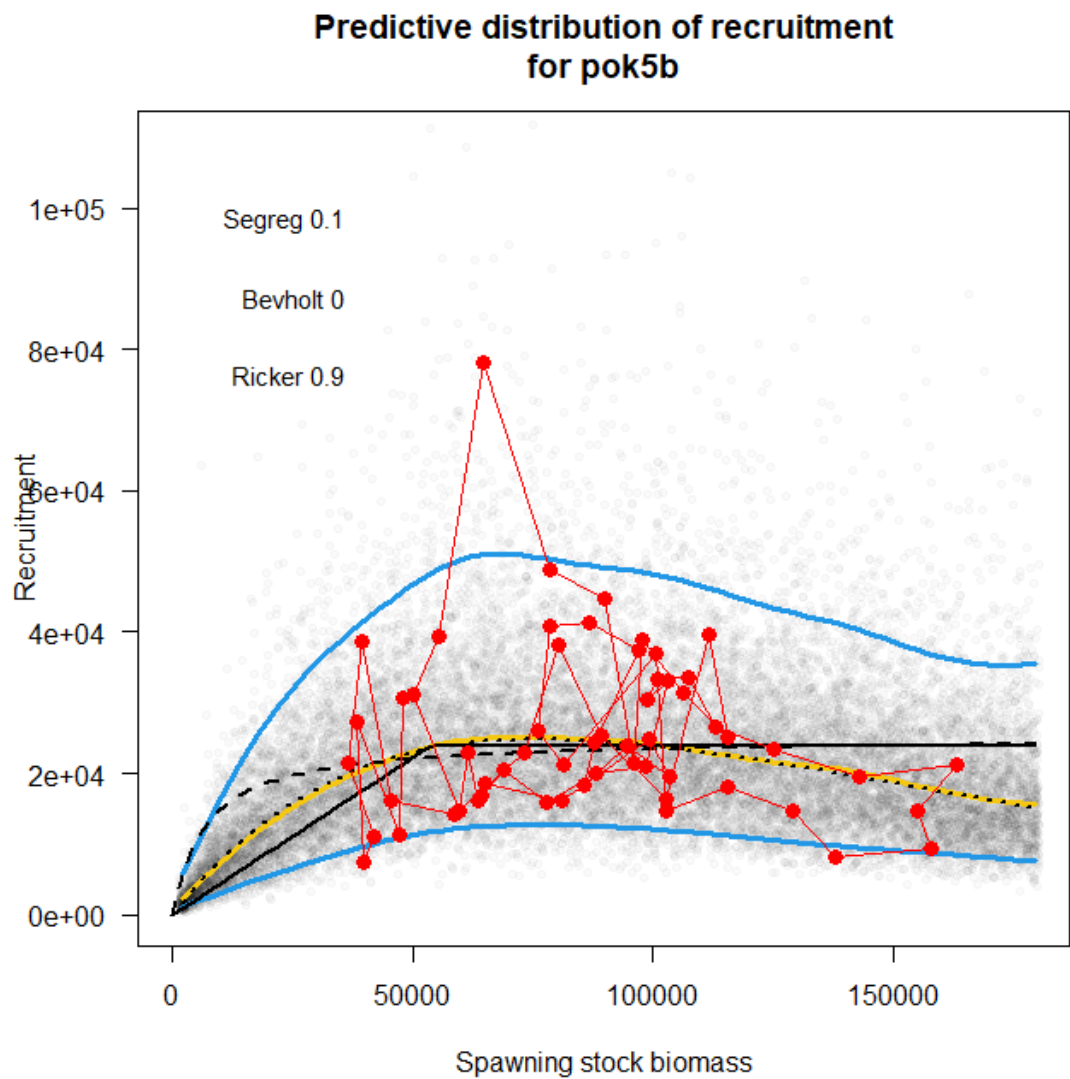
**Figure 6.4.1.1. Faroe saithe (Division 5.b). EqSim simulations. Stock–recruitment functions used in the simulations (Ricker, Beverton–Holt and Segmented).**
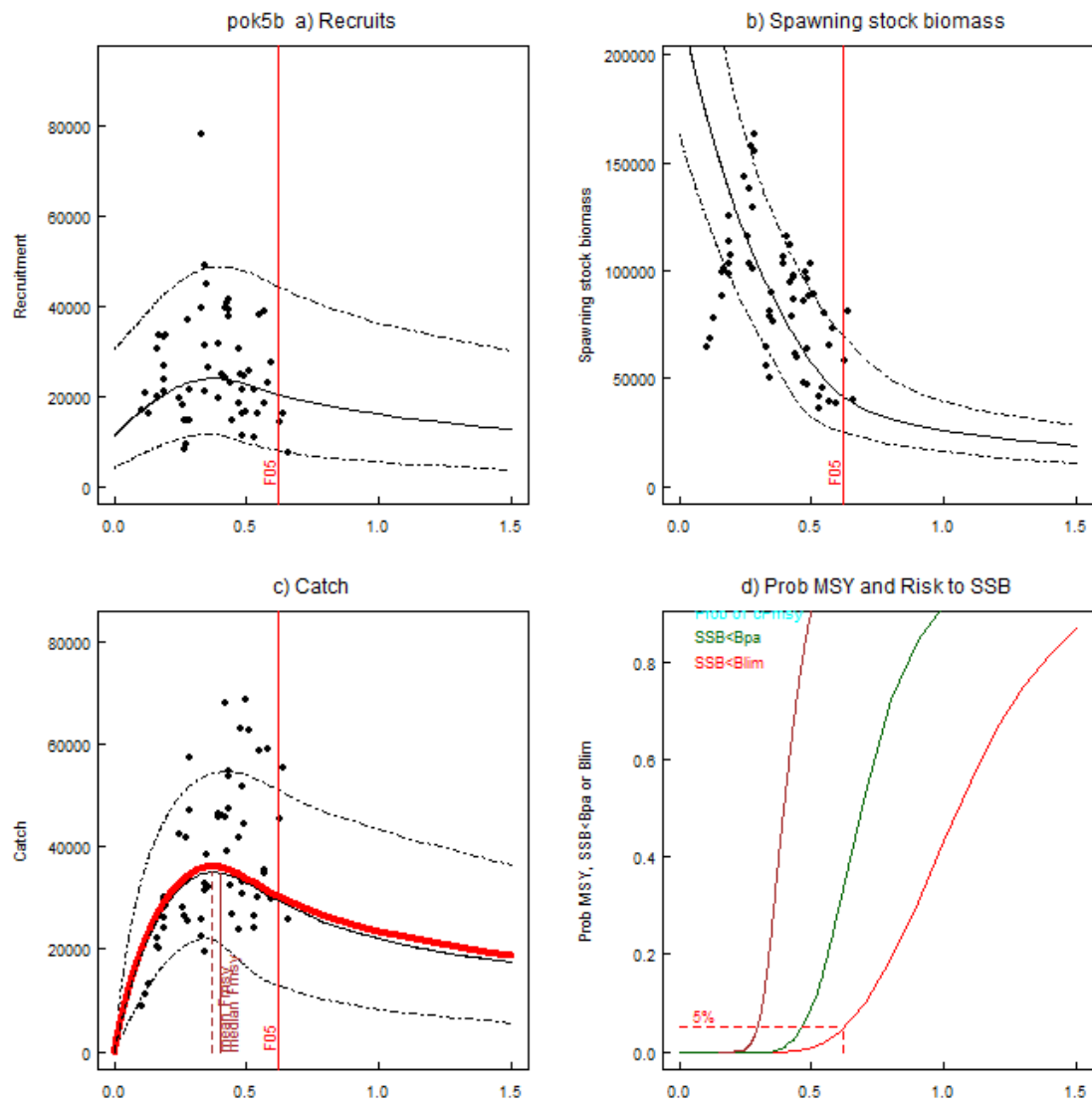
**Figure 6.4.1.2. Faroe saithe (Division 5.b). EqSim simulation results. $F_{MSY}$ = 0.38 is the vertical red line in the bottom-left graph.**
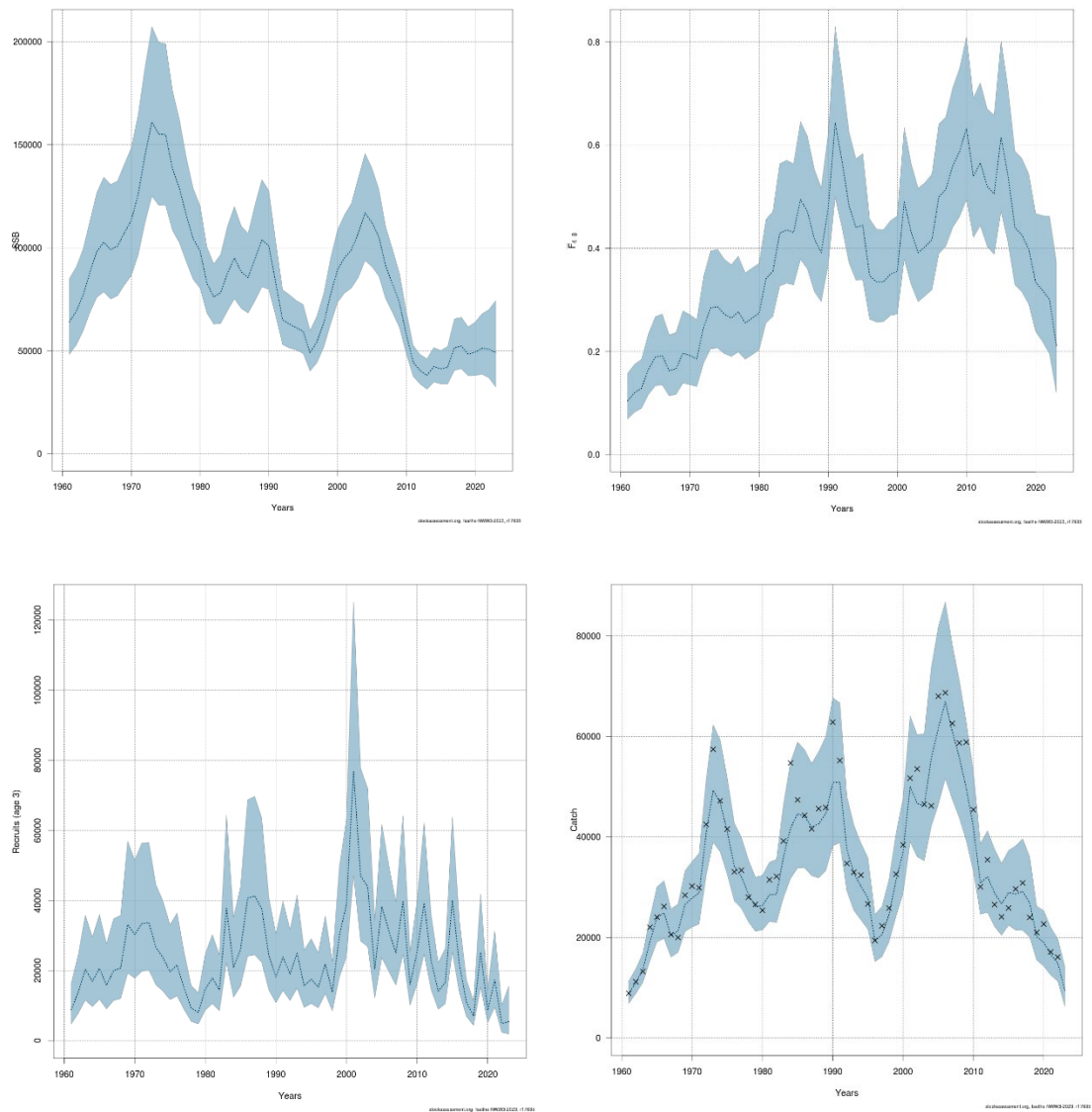
**Figure 6.5.1. Faroe saithe (Division 5.b). Spawning-stock biomass (tonnes; top-left), recruitment (age 3) in millions (bottom-left), $F_{bar}$ (ages 4 to 8; top-right) and landings (tonnes; bottom-right) from the SAM assessment. Reference points ($B_{trigger} = B_{pa}$ = 36 412 t and $F_{MSY}$ = 0.38 respectively).**
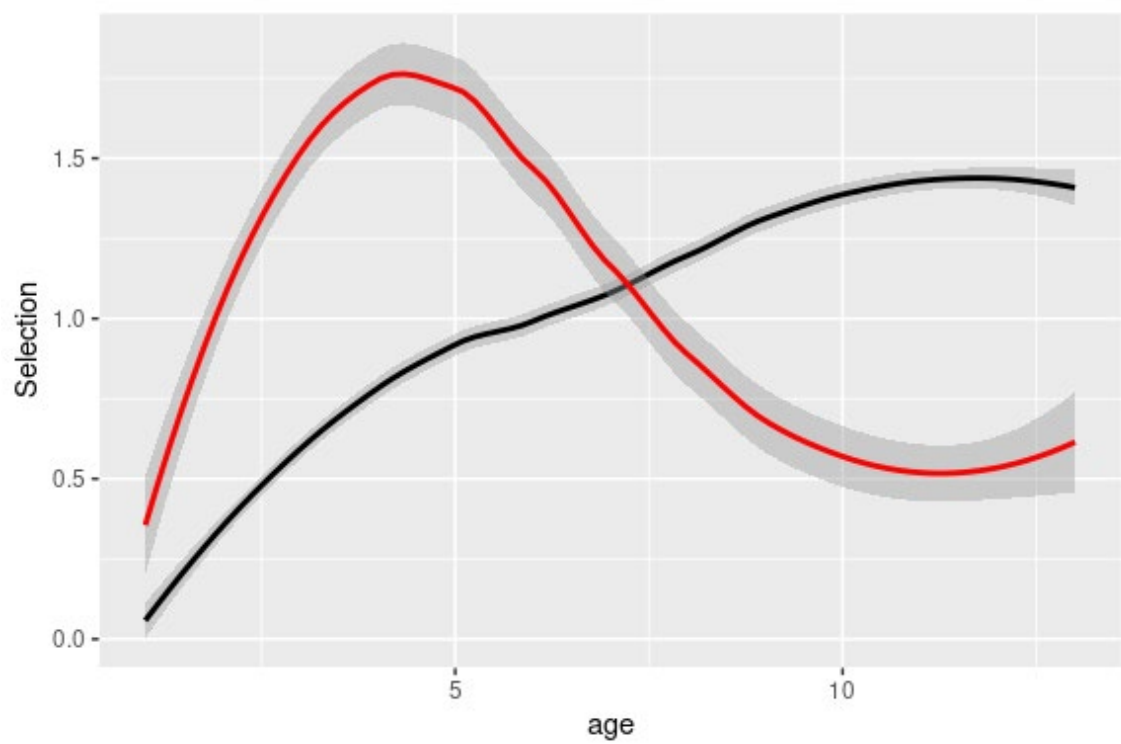
**Figure 6.5.1.a Faroe saithe (Division 5.b). Selection pattern by periods in the fishery. Average selection from 2000 to 2014 (black line) and from 2015 to 2022 (red line).**
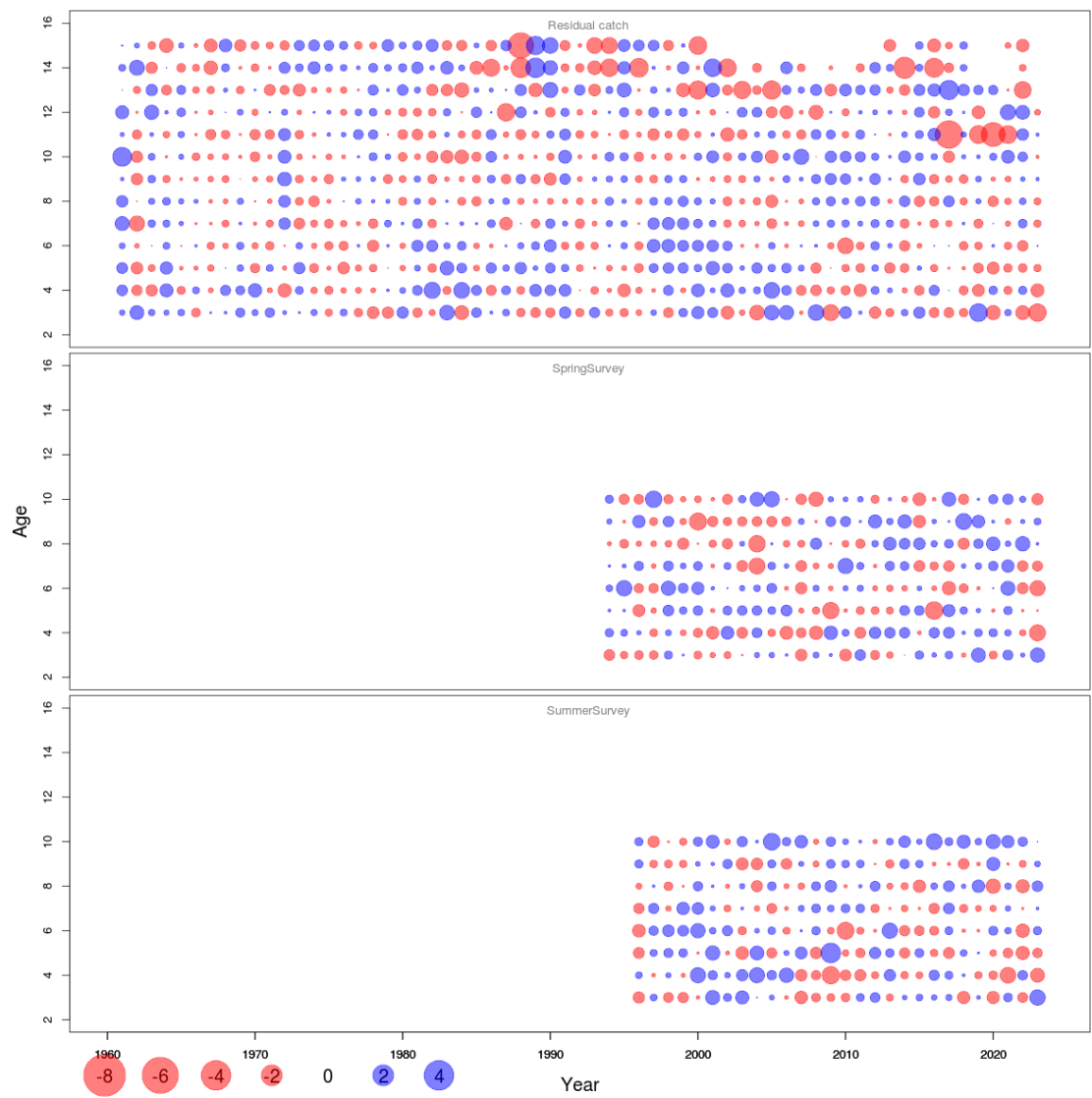
**Figure 6.5.2. Faroe saithe (Division 5.b). Residuals of the SAM assessment calibrated with both survey indices. Blue and red bubbles represent positive and negative residuals respectively.**
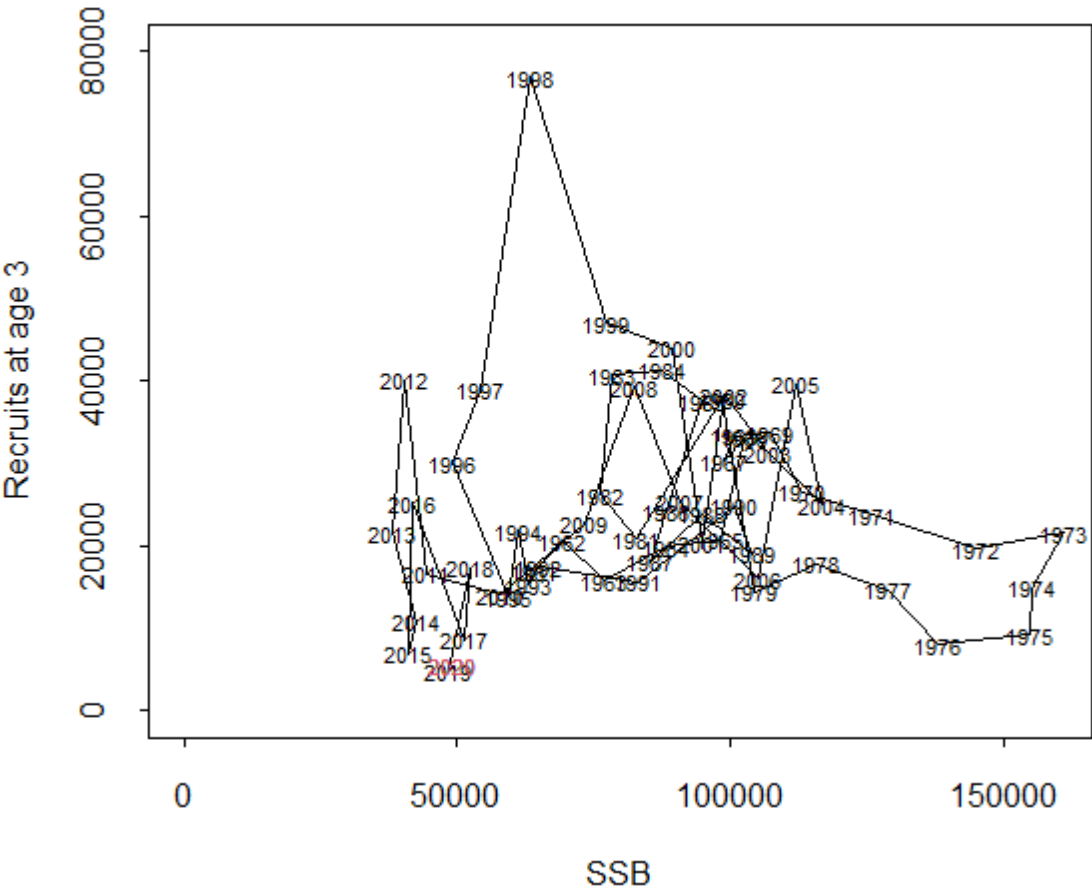
**Figure 6.5.3. Faroe saithe (Division 5.b). Relation between SSB and recruitment (age 3). Numbers represent year classes. The most recent year class (2020) is highlighted in red.**
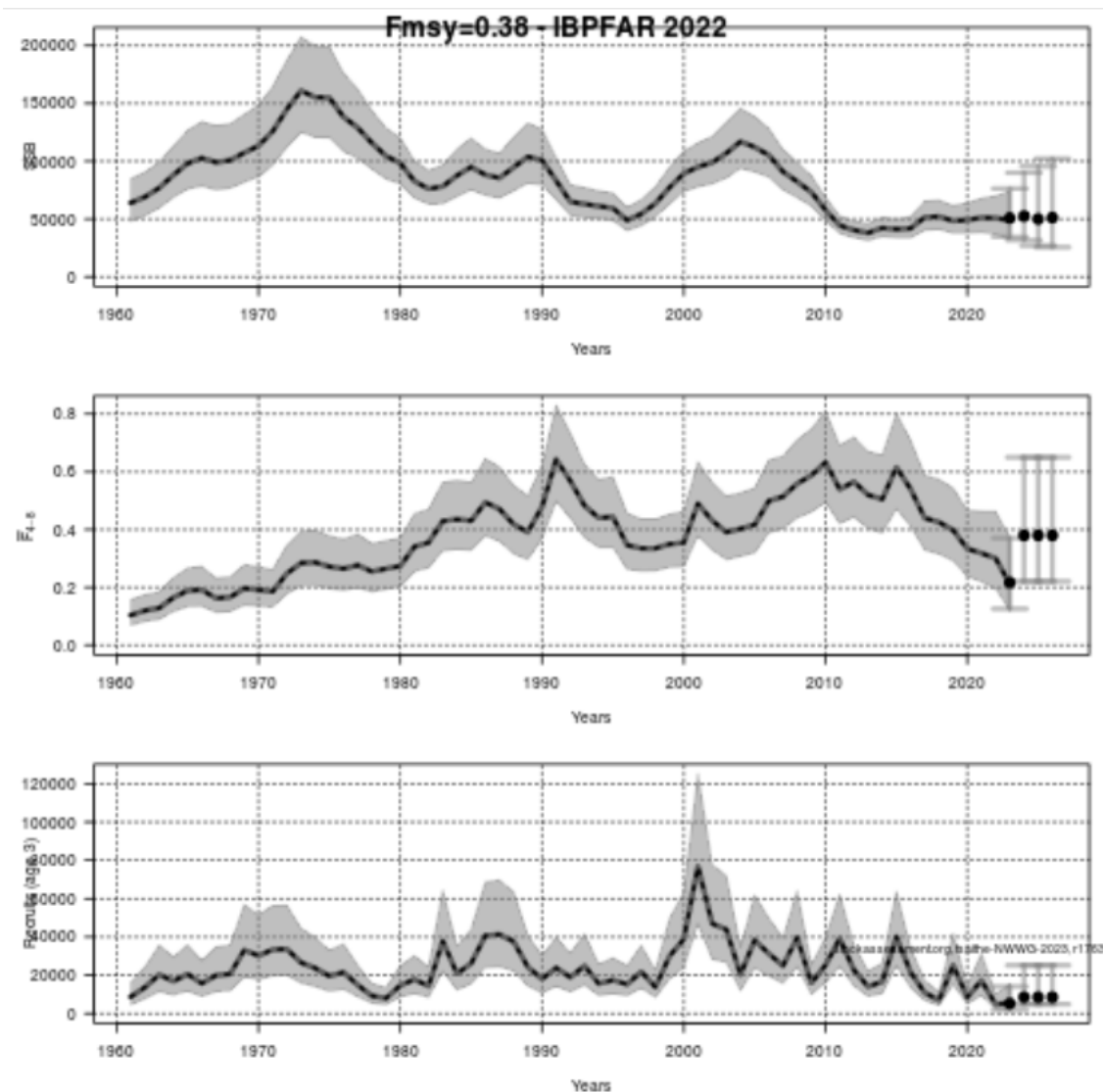
**Figure 6.6.2.1. Faroe saithe (Division 5.b). Short-term forecast based on the F$_{MSY}$ advice including historical assessment. Spawning-stock biomass (top, red line represents B$_{trigger}$), average fishing mortality (F$_{4-8}$; middle) and recruitment (numbers age 3, bottom).**
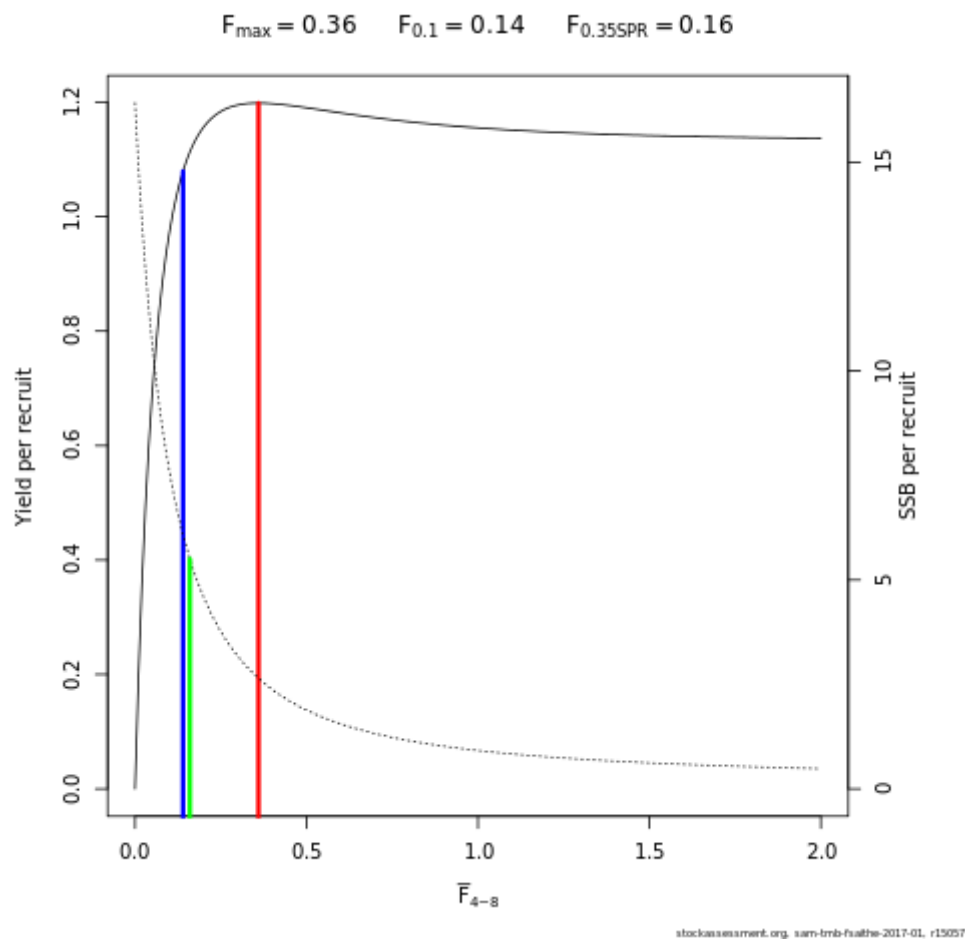
**Figure 6.7.1. Faroe saithe (Division 5.b). Yield-per-recruit analysis.**
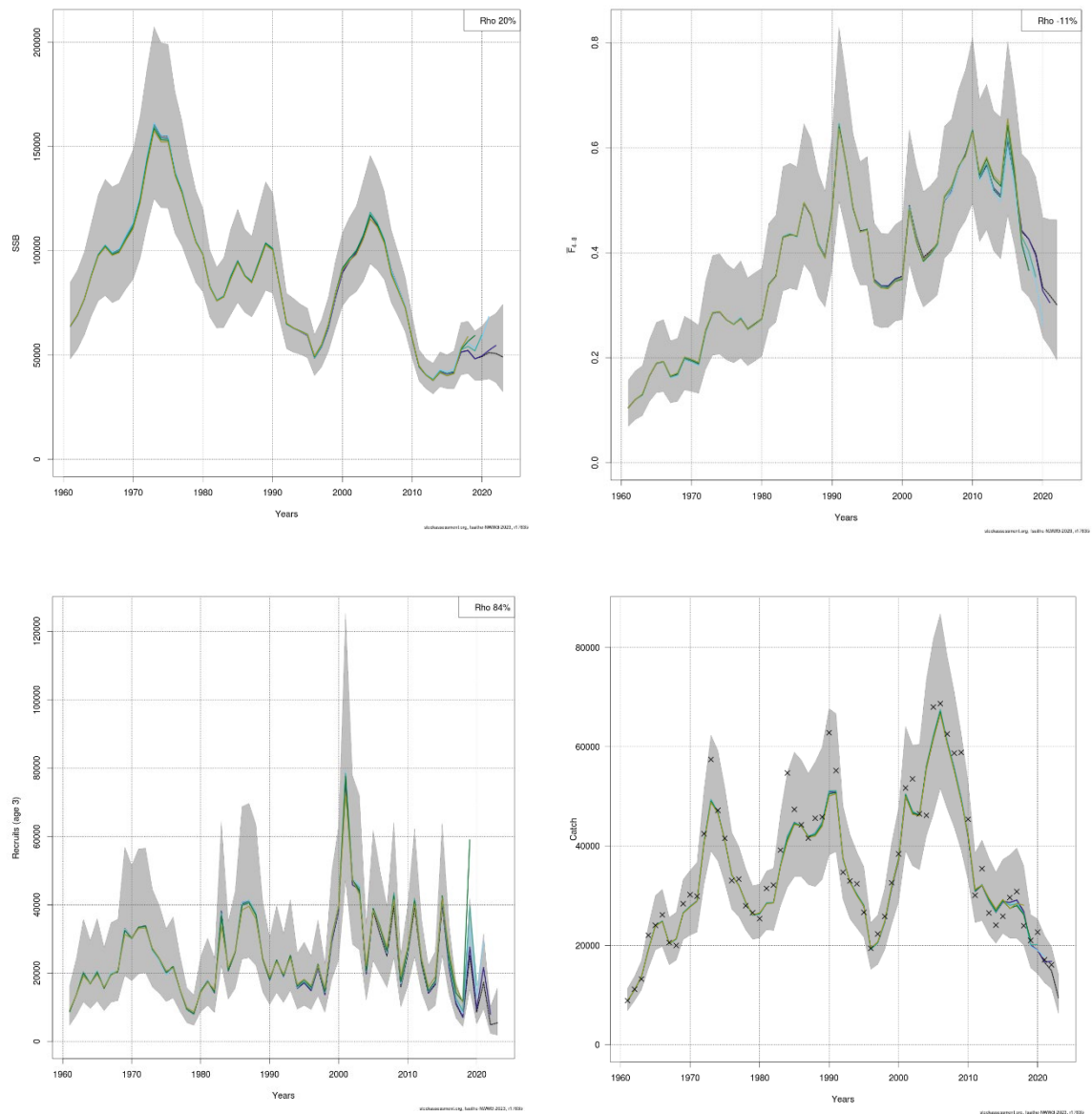
**Figure 6.8.1. Faroe saithe (Division 5.b). Retrospective analysis of spawning-stock biomass (tonnes)(top-left), average fishing mortality over age groups 4–8 (top-right), recruitment-at-age 3 ('000; bottom-left) and total landings (tons)(bottom-right) from the SAM assessment.**
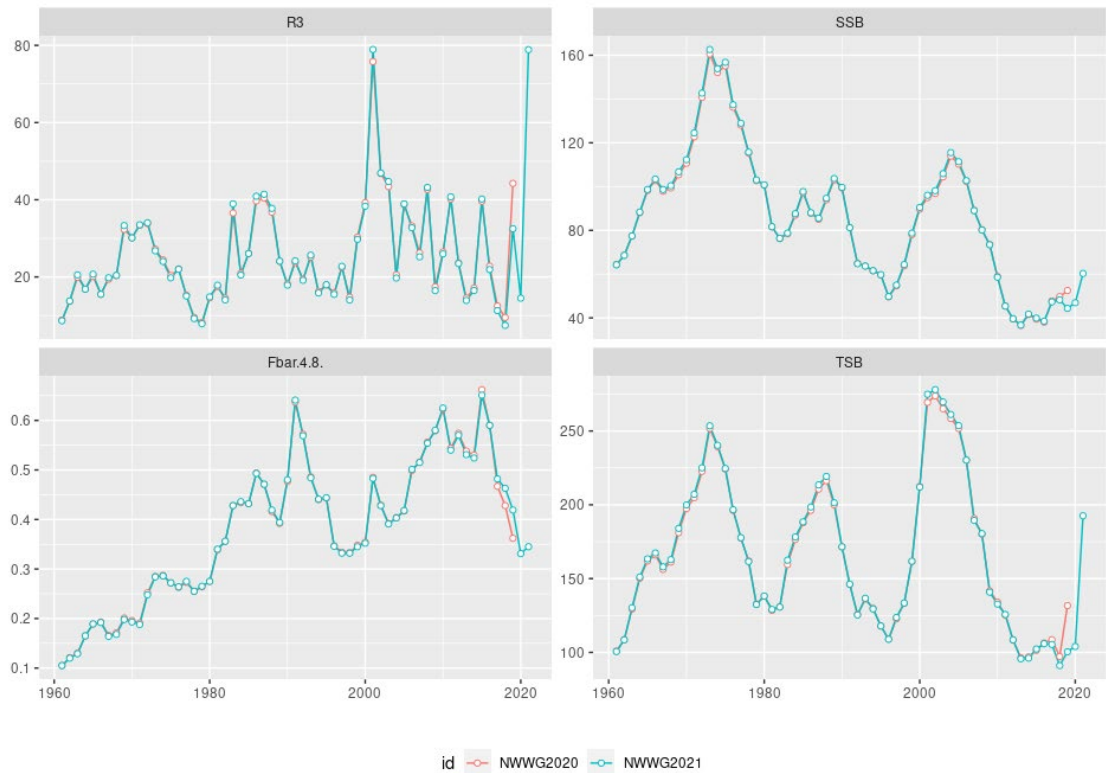
**Figure 6.9.1. Faroe saithe (Division 5.b). Comparison of the 2020 and 2021 assessments. Recruitment-at-age 3 ('000; top-left), spawning-stock biomass (tonnes)(top-right), average fishing mortality over age groups 4–8 (bottom-left) and total biomass (tonnes; bottom-right) from the 2020 (red) and 2021 (cyan) assessments**
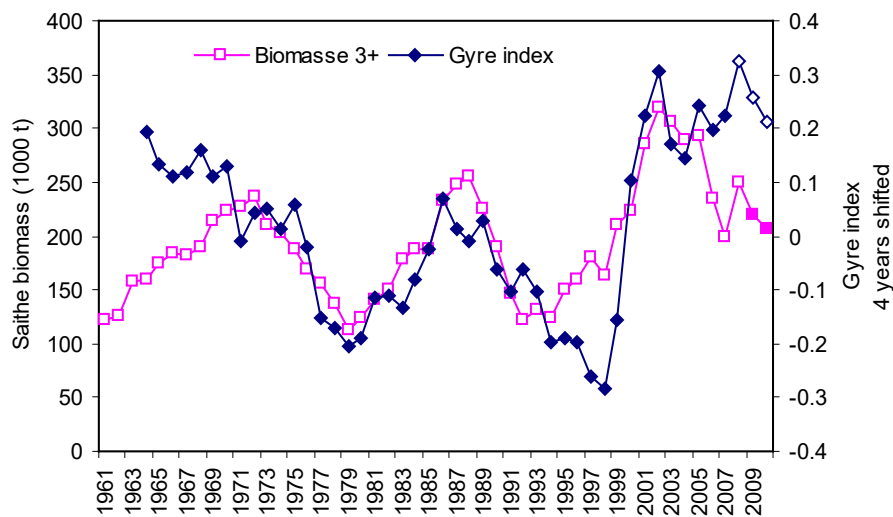


**Figure 6.15.1. Faroe saithe (Division 5.b). Relationship between the Gyre index (4 years shifted) and saithe biomass (age 3+) in Faroese waters.**
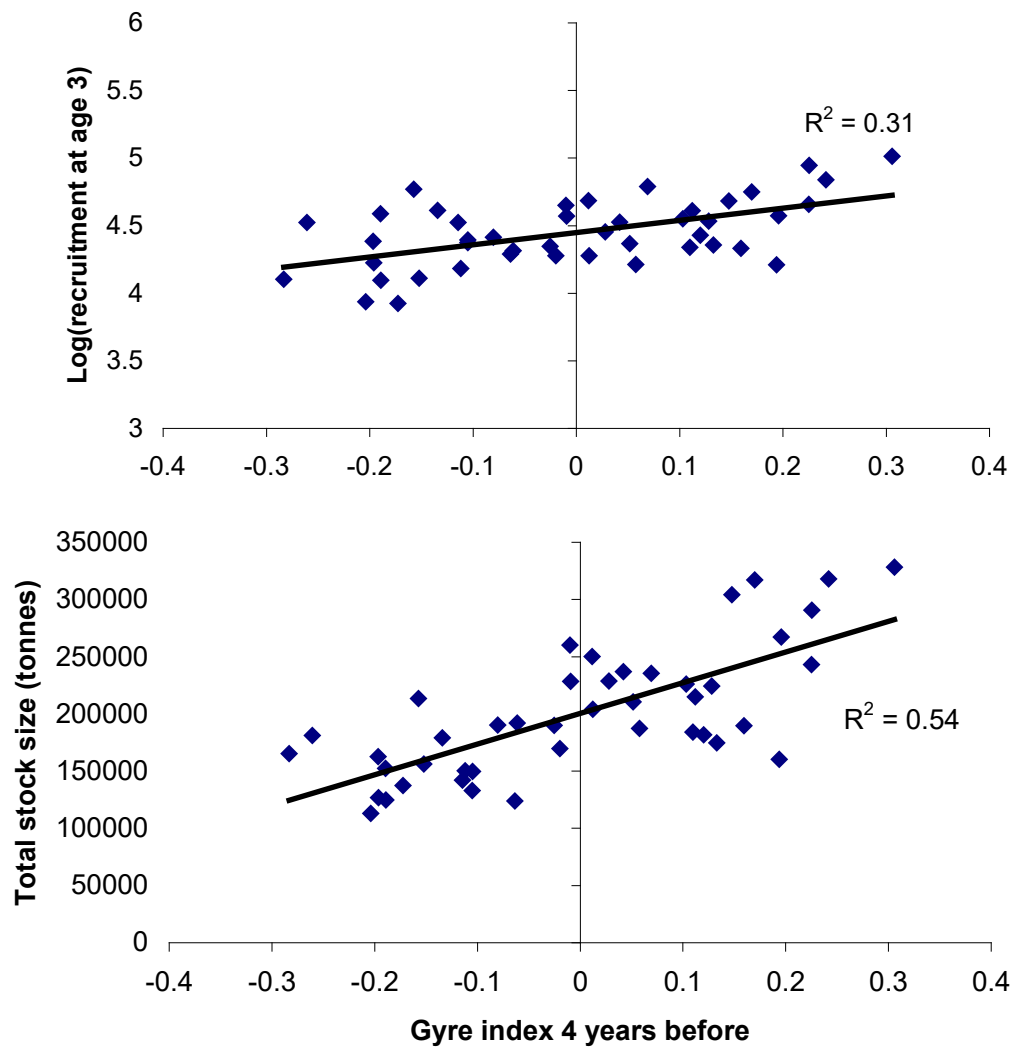
**Figure 6.15.2. Relationship between the gyre index and both recruitment (top figure) and total-stock biomass estimates (bottom figure.) Note that a large gyre index indicates a small Subpolar Gyre, and, consequently, a large influx of plankton-rich warmer-than-average water to the outer areas (bottom depth > 150 m) around the Faroes, where saithe typically are found.**