

## 8 Stocks with limited data

Three herring stocks have very little data associated with them and have been poorly described in recent reports. These are Clyde herring, part of Division 6aN (Section 5.11 in ICES 2005a), herring in 7.e,f and herring in the Bay of Biscay (Subarea 8). In this section only the time-series of landings are maintained.

### 8.1 Clyde herring

In 2011 under the provisions of the TAC and Quota Regulations (57/2011), the European Commission delegated the function of setting the TAC for certain stocks which are only fished by one Member State, to that Member State. This provision currently applies to herring in the Firth of Clyde with TAC setting responsibility delegated to Scotland. The stock is as such not an ICES stock with limited data, but it has been decided to continue to display the updated historical landings table for reasons of continuity. Since 1998 the agreed TAC for Clyde herring has never been reached. The TAC has been 583 t in 2019. No landings are reported in 2019 (Table 12.1).

### 8.2 Division 7.e.f

Figure 12.1 shows the time-series of landings over the period 1974–2019 in Division 7.e and 7.f. Data are taken from the ICES historical and official nominal databases and adjusted, where possible, with data supplied by working group members.

Since 1999, landings in Division 7.e are stable and have fluctuated between 5 and 800 t except in 2008 where they reached more than 1000 t (Figure 12.1).

In Division 7.f, it can be seen that there was a pulse of landings in the late 1970s. Since then landings have fluctuated between 200 t and a very few tonnes in recent years, without any obvious trend. Landings in 2019 amount to 10 tonnes (Figure 12.1).

### 8.3 Subarea 8 (Bay of Biscay)

In the Bay of Biscay, French landings peaked at 1700 t in 1976, declining gradually to very low levels by the late 1980s. More recently there was a sudden peak pulse of Dutch landings of 8000 t in 2002, declining to low levels since (Figure 12.2, Table 12.3). Data before 2005 were taken from the FISHSTAT database, and data from Spain updated. Data for later years were adjusted, where possible, with data supplied by working group members and from ICES official and preliminary catch statistics.

**Table 12.1 Herring from the Firth of Clyde. Catch in tonnes by country, 1959–2019. Spring and autumn-spawners combined.**

| Year         | 1959   | 1960   | 1961   | 1962  | 1963  | 1964   | 1965   | 1966  | 1967  | 1968  | 1969   | 1970  | 1971  | 1972  | 1973  | 1974  |
|--------------|--------|--------|--------|-------|-------|--------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| All Catches  |        |        |        |       |       |        |        |       |       |       |        |       |       |       |       |       |
| Total        | 10 530 | 15 680 | 10 848 | 3 989 | 7 073 | 14 509 | 15 096 | 9 807 | 7 929 | 9 433 | 10 594 | 7 763 | 4 088 | 4 226 | 4 715 | 4 061 |
|              |        |        |        |       |       |        |        |       |       |       |        |       |       |       |       |       |
| Year         | 1975   | 1976   | 1977   | 1978  | 1979  | 1980   | 1981   | 1982  | 1983  | 1984  | 1985   | 1986  | 1987  | 1988  | 1989  | 1990  |
| All Catches  |        |        |        |       |       |        |        |       |       |       |        |       |       |       |       |       |
| Total        | 3 664  | 4 139  | 4 847  | 3 862 | 1 951 | 2 081  | 2 135  | 4 021 | 4 361 | 5 770 | 4 800  | 4 650 | 3 612 | 1 923 | 2 343 | 2 259 |
|              |        |        |        |       |       |        |        |       |       |       |        |       |       |       |       |       |
| Year         | 1991   | 1992   | 1993   | 1994  | 1995  | 1996   | 1997   | 1998  | 1999  | 2000  | 2001   | 2002  | 2003  | 2004  | 2005  | 2006  |
| Scotland     | 713    | 929    | 852    | 608   | 392   | 598    | 371    | 779   | 16    | 1     | 78     | 46    | 88    | -     | -     | +     |
| Other UK     | -      | -      | 1      | -     | 194   | 127    | 475    | 310   | 240   | 0     | 392    | 335   | 240   | -     | 318   | 512   |
| Unallocated* | 18     | -      | -      | -     | -     | -      | -      | -     | -     | -     | -      | -     | -     | -     | -     | -     |
| Discards     | **     | **     | **     | **    | **    | -      | -      | -     | -     | -     | -      | -     | -     | -     | -     | -     |
| Agreed TAC   | 2 900  | 2 300  | 1 000  | 1 000 | 1 000 | 1 000  | 1 000  | 1 000 | 1 000 | 1 000 | 1 000  | 1 000 | 1 000 | 1 000 | 1 000 | 1 000 |
| Total        | 731    | 929    | 853    | 608   | 586   | 725    | 846    | 1089  | 256   | 1     | 480    | 381   | 328   | 0     | 318   | 512   |
|              |        |        |        |       |       |        |        |       |       |       |        |       |       |       |       |       |
| Year         | 2007   | 2008   | 2009   | 2010  | 2011  | 2012   | 2013   | 2014  | 2015  | 2016  | 2017   | 2018  | 2019  |       |       |       |

|              |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Scotland     | 163 | 54  | 266 | -   | 90  | 119 | 21  | 0   | 0   | 0   | 0   | 0   | 0   |
| Other UK     | 458 | 622 | 488 | 301 | 111 | 184 | -   | -   | -   | -   | -   | -   | -   |
| Unallocated* | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| Discards     | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| Agreed TAC   | 800 | 800 | 800 | 720 | 720 | 720 | 648 | 648 | 583 | 583 | 583 | 583 | 583 |
| Total        | 621 | 676 | 754 | 301 | 201 | 303 | 21  | 0   | 0   | 0   | 0   | 0   | 0   |

\*Calculated from estimates of weight per box and in some years estimated bycatch in the sprat fishery

\*\*Reported to be at a low level, assumed to be zero, for 1989–1995.

**Table 12.2. Stocks with limited data. Landings of herring in Divisions 7.e and 7.f. Source: ICES official landings data-base 2006 – 2017, national databases and ICES preliminary catch statistics 2018 and 2019.**

| Division | Country                       | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018* | 2019* |
|----------|-------------------------------|------|------|------|------|------|------|-------|-------|
| 7e       | UK (Eng,Wal,NI,Scot,Guernsey) | 162  | 274  | 435  | 268  | 204  | 22   | 11    | 8     |
| 7e       | Denmark                       | -    | -    | -    | -    | -    | -    | -     | -     |
| 7e       | France                        | 278  | 7    | 314  | 3    | 1    | 1    | 380   | 193   |
| 7e       | Germany, Fed. Rep. Of         | -    | -    | -    | -    | -    | -    | -     | -     |
| 7e       | Netherlands                   | -    | -    | 4    | 0    | -    | -    | -     | -     |
|          | Total                         | 440  | 275  | 753  | 271  | 205  | 23   | 391   | 201   |

| Division | Country                 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018* | 2019* |
|----------|-------------------------|------|------|------|------|------|------|-------|-------|
| 7f       | UK (Eng, Wal, Scot, NI) | 113  | 136  | 20   | 111  | 227  | 29   | 3     | 5     |
| 7f       | Belgium                 | -    | -    | -    | -    | -    | -    | -     | -     |
| 7f       | France                  | -    | -    | -    | -    | -    | -    | -     | -     |
| 7f       | Netherlands             | -    | -    | -    | -    | -    | -    | -     | 5     |
| 7f       | Poland                  | -    | -    | -    | -    | -    | -    | -     | -     |
|          | Total                   | 113  | 136  | 20   | 111  | 227  | 29   | 3     | 10    |

\*Preliminary data

**Table 12.3. Stocks with limited data. Landings of herring in Subarea 8.**

| Country     | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018* | 2019* |
|-------------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| France      | 12   | 34   | 50   | 82   | 22   | 7    | 5    | 5    | 4    | 12   | 3     | 1     |
| Netherlands | 24   | 68   | 502  | 222  | -    | -    | -    | -    | -    | -    | -     | -     |
| Portugal    | .    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     | -     |
| Spain       | 131  | 55   | 38   | 54   | 2    | -    | -    | -    | -    | -    | -     | -     |
| UK          | 0    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     | -     |
| Ireland     | -    | -    | -    | -    | -    | -    | -    | -    | -    | 1    | 1     | -     |
|             | 167  | 157  | 590  | 358  | 24   | 7    | 5    | 5    | 4    | 13   | 13    | 1     |

\*Preliminary data

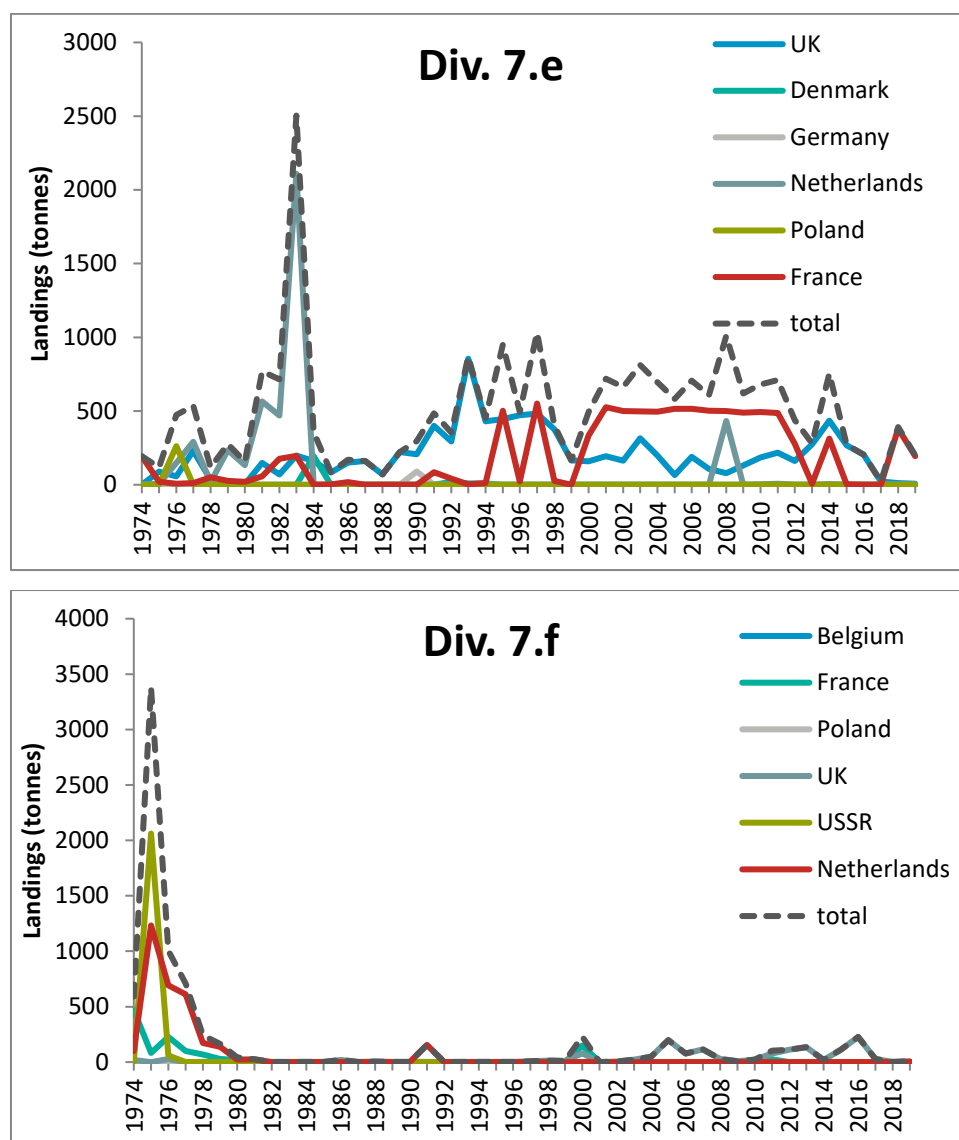


Figure 12.1. Stocks with limited data. Landings over time of herring in divisions 7.e (upper panel) and 7.f (lower panel).

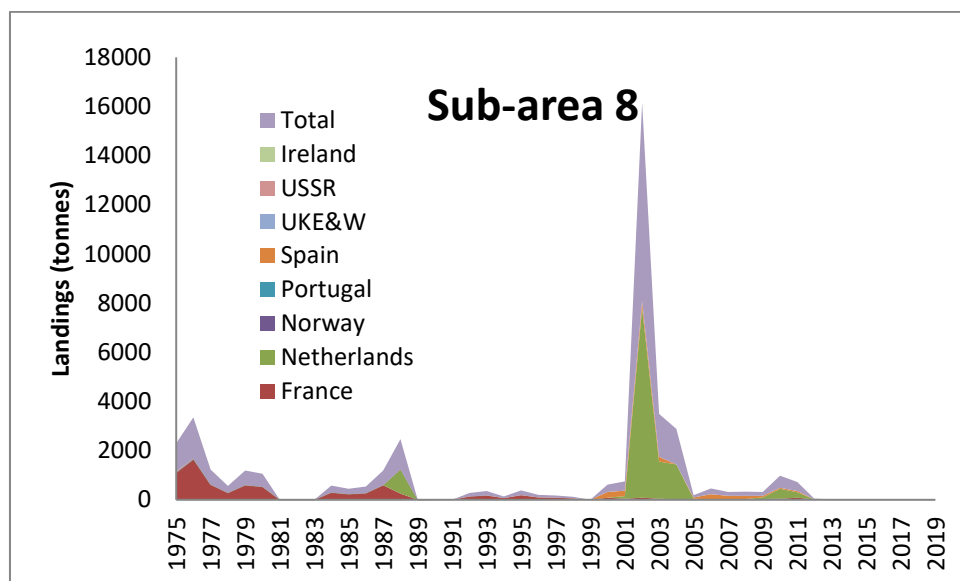


Figure 12.2. Stocks with limited data. Landings over time of herring in Subarea 8.