**Stock**: **Herring in Sub-divisions 25-29 (excl. Gulf of Riga) and 32**

**Assessment Quality Control Diagram 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Average F(3-6 ,u)** | | | | | | | | | | | | | | | | |
| **Year** | | | | | | | | | | | | | | | | |
| Date of assessment | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | |
| 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1991 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1993 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1994 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1995 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1997 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1998 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2000 | 0.2773 | 0.2391 | 0.2375 | 0.2072 | 0.2434 | 0.2788 | 0.2838 | 0.2921 | 0.3659 | 0.4148 | 0.3848 |  |  |  |  | |
| 2001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2002 | 0.3055 | 0.2643 | 0.262 | 0.233 | 0.2695 | 0.313 | 0.3138 | 0.3221 | 0.3921 | 0.4358 | 0.3909 | 0.4835 | 0.4253 |  |  | |
| 2003 | 0.3108 | 0.2716 | 0.2705 | 0.2411 | 0.2781 | 0.3243 | 0.3225 | 0.3309 | 0.4008 | 0.4446 | 0.3940 | 0.4875 | 0.4283 | 0.3884 |  | |
| 2004 | 0.2962 | 0.2475 | 0.2439 | 0.2168 | 0.2539 | 0.2915 | 0.2943 | 0.2960 | 0.3717 | 0.4170 | 0.3656 | 0.4445 | 0.3640 | 0.2987 | 0.1952 | |

**Remarks:**  No XSA was made

**Stock: Herring in Sub-divisions 25-29 (excl. Gulf of Riga) and 32**

**Assessment Quality Control Diagram 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Recruitment (age 1) Unit: millions** | | | | | | | | | | | | | | | | |
| **Year class** | | | | | | | | | | | | | | | | |
| Date of assessment | 1989 | 199/ | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | |
| 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1991 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1993 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1994 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1995 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1997 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1998 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2000 | 10077 | 15781 | 20007 | 16260 | 17279 | 15663 | 13017 | 18350 | 14422 | 7935 | 15390 |  |  |  |  | |
| 2001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2002 | 9865 | 15200 | 19081 | 15084 | 17082 | 15596 | 12918 | 18708 | 15302 | 8409 | 15020 | 7339 | 15731 |  |  | |
| 2003 | 9944 | 15204 | 18980 | 14970 | 17110 | 15522 | 12973 | 18673 | 15410 | 8520 | 14302 | 7025 | 14263 | 11586 |  | |
| 2004 | 16013 | 19559 | 16503 | 17958 | 15853 | 13395 | 18943 | 15646 | 9111 | 15220 | 7877 | 15853 | 13533 | 13552 | 19214 | |

**Remarks:**  No XSA was made

**Stock: Herring in Sub-divisions 25-29 (excl. Gulf of Riga) and 32**

**Assessment Quality Control Diagram 3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Spawning stock biomass ('000 t)** | | | | | | | | | | | | | | | | | | |
| **Year** | | | | | | | | | | | | | | | | | | |
| Date of assessment | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | |
| 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1991 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1993 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1994 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1995 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1996 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1997 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1998 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2000 | 946 | 893 | 932 | 875 | 860 | 738 | 627 | 567 | 471 | 405 | 425 | 409 | 399 |  |  |  |  | |
| 2001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2002 | 860 | 814 | 849 | 791 | 785 | 671 | 579 | 534 | 459 | 388 | 377 | 368 | 362 | 367 | 371 |  |  | |
| 2003 | 841 | 794 | 825 | 769 | 764 | 653 | 566 | 524 | 454 | 380 | 366 | 350 | 372 | 366 | 406 | 414 |  | |
| 2004 | 897 | 861 | 906 | 848 | 834 | 718 | 611 | 571 | 483 | 410 | 409 | 405 | 452 | 564 | 635 | 729 | 762 | |

Forecast.

No XSA was made