**Stock: Greenland halibut in Sub-areas I and II**

**Assessment Quality Control Diagram 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Average F(6-10,u) | | | | | | | | | | | | | | | |
| Date of assessment | Year | | | | | | | | | | | | | | |
|  | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | |
| 1989 | 0.34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1990 | 0.60 | 0.42 |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1991 | 0.57 | 0.49 | 0.81 |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1992 | 0.40 | 0.33 | 0.43 | 0.55 |  |  |  |  |  |  |  |  |  |  |  | |
| 1993 | 0.35 | 0.29 | 0.36 | 0.39 | 0.14 |  |  |  |  |  |  |  |  |  |  | |
| 1994 | 0.43 | 0.35 | 0.45 | 0.65 | 0.21 | 0.30 |  |  |  |  |  |  |  |  |  | |
| 1995 | 0.42 | 0.32 | 0.42 | 0.62 | 0.20 | 0.22 | 0.15 |  |  |  |  |  |  |  |  | |
| 1996 | 0.41 | 0.31 | 0.41 | 0.57 | 0.18 | 0.20 | 0.14 | 0.17 |  |  |  |  |  |  |  | |
| 1997 | 0.42 | 0.32 | 0.43 | 0.68 | 0.25 | 0.33 | 0.26 | 0.32 | 0.44 |  |  |  |  |  |  | |
| 1998 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2001 | 0.41 | 0.32 | 0.43 | 0.67 | 0.25 | 0.32 | 0.28 | 0.33 | 0.37 | 0.26 | 0.28 | 0.46 | 0.34 |  |  | |
| 2002 | 0.41 | 0.32 | 0.43 | 0.66 | 0.25 | 0.32 | 0.27 | 0.32 | 0.35 | 0.25 | 0.26 | 0.40 | 0.28 | 0.27 |  | |
| 2003 | 0.41 | 0.32 | 0.42 | 0.66 | 0.25 | 0.32 | 0.27 | 0.32 | 0.35 | 0.25 | 0.25 | 0.39 | 0.27 | 0.27 | 0.20 | |

**Remarks:**

**Stock: Greenland halibut in Sub-areas I and II**

**Assessment Quality Control Diagram 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Recruitment (age 3) Unit: millions | | | | | | | | | | | | | | | |
| Date of assessment | Year class | | | | | | | | | | | | | | |
|  | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | |
| 1989 | 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1990 | 25 | 25 |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1991 | 25 | 25 | 25 |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1992 | 27 | 27 | 27 | 25 |  |  |  |  |  |  |  |  |  |  |  | |
| 1993 | 44 | 39 | 10 | 10 | 10 |  |  |  |  |  |  |  |  |  |  | |
| 1994 | 33 | 24 | 9 | 3 | 0.2 | 0.3 |  |  |  |  |  |  |  |  |  | |
| 1995 | 27 | 24 | 14 | 8 | 3 | 4 | 3 |  |  |  |  |  |  |  |  | |
| 1996 | 28 | 24 | 19 | 11 | 5 | 2 | 0.7 | 0.4 |  |  |  |  |  |  |  | |
| 1997 | 21 | 17 | 17 | 17 | 8 | 5 | 2 | 0.5 | 2 |  |  |  |  |  |  | |
| 1998 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| **2001** | 12.5 | 10.3 | 12.4 | 17 | 15.8 | 16.8 | 16.1 | 13.2 | 9.5 | 10.2 |  |  |  |  |  | |
| **2002** | 12.6 | 10.5 | 12.8 | 17.9 | 16.9 | 17.4 | 17.7 | 16.2 | 14.0 | 17.9 | 14.3 |  |  |  |  | |
| **2003** | 12.6 | 10.5 | 12.9 | 18.2 | 17.1 | 17.2 | 17.8 | 16.2 | 14.7 | 18.7 | 16.0 | 16.4 |  |  |  | |

Average recruitment.  **Recruitment Age 5 from 2001**

**Remarks:Stock: Greenland halibut in Sub-areas I and II**

**Assessment Quality Control Diagram 3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spawning stock biomass ('000 t) | | | | | | | | | | | | | | | | | |
| Date of assessment | Year | | | | | | | | | | | | | | | | |
|  | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | |
| 1989 | 54 | 58 | 61 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1990 | 45 | 43 | 40 | 38 |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1991 | 37 | 36 | 30 | 22 | 19 |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1992 | 52 | 52 | 50 | 41 | 50 | 57 |  |  |  |  |  |  |  |  |  |  |  | |
| 1993 | 59 | 62 | 68 | 66 | 80 | 85 | 82 |  |  |  |  |  |  |  |  |  |  | |
| 1994 | 52 | 53 | 51 | 38 | 44 | 44 | 38 | 40 |  |  |  |  |  |  |  |  |  | |
| 1995 | 56 | 55 | 56 | 37 | 46 | 42 | 45 | 43 | 40 |  |  |  |  |  |  |  |  | |
| 1996 | 65 | 64 | 73 | 40 | 50 | 48 | 49 | 48 | 42 | 34 |  |  |  |  |  |  |  | |
| 1997 | 56 | 53 | 55 | 29 | 35 | 31 | 31 | 30 | 23 | 17 | 11 |  |  |  |  |  |  | |
| 1998 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2001 | 59 | 51 | 39 | 28 | 33 | 32 | 33 | 41 | 45 | 46 | 37 | 30 | 28 | 24 | 26 |  |  | |
| **2002** | 24 | 21 | 25 | 16 | 18 | 16 | 14 | 14 | 15 | 17 | 19 | 21 | 23 | 23 | 23 | 24 |  | |
| **2003** | 24 | 21 | 25 | 16 | 18 | 16 | 14 | 14 | 15 | 17 | 17 | 19 | 24 | 28 | 32 | 35 | 35 | |

Forecast. Fstatus quo.   **Spawning stock (Females only) from 2002**

**Remarks:**