**Stock: Saithe in Sub-area VI (West of Scotland and Rockall)**

**Assessment Quality Control Diagram 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Average F(3-6,u) | | | | | | | | | | | | | | |
| Date of assessment | Year | | | | | | | | | | | | | |
|  | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
| 1989 | 0.55 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990 | 0.53 | 0.53 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 | 0.52 | 0.72 | 0.54 |  |  |  |  |  |  |  |  |  |  |  |
| 1992 | 0.54 | 0.76 | 0.64 | 0.63 |  |  |  |  |  |  |  |  |  |  |
| 1993 | 0.56 | 0.85 | 0.76 | 0.81 | 0.59 |  |  |  |  |  |  |  |  |  |
| 1994 | 0.55 | 0.82 | 0.73 | 0.75 | 0.52 | 0.53 |  |  |  |  |  |  |  |  |
| 1995 | 0.55 | 0.82 | 0.72 | 0.72 | 0.53 | 0.52 | 0.25 |  |  |  |  |  |  |  |
| 1996 | 0.55 | 0.82 | 0.72 | 0.72 | 0.53 | 0.52 | 0.52 | 0.43 |  |  |  |  |  |  |
| 1997 | .56 | .82 | .73 | .75 | .60 | .61 | .62 | .55 | .61 |  |  |  |  |  |
| 1998 | .56 | .83 | .73 | .75 | .60 | .62 | .63 | .53 | .41 | .49 |  |  |  |  |
| 1999 | .56 | .82 | .73 | .75 | .60 | .63 | .66 | .58 | .51 | .61 | .46 |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2002 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Stock: Saithe in Sub-area VI (West of Scotland and Rockall)**

**Assessment Quality Control Diagram 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Recruitment (age 1) Unit: millions | | | | | | | | | | | | | | |
| Date of assessment | Year class | | | | | | | | | | | | | |
|  | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
| 1989 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990 | 29 | 29 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 | 25 | 29 | 29 |  |  |  |  |  |  |  |  |  |  |  |
| 1992 | 19 | 24 | 27 | 27 |  |  |  |  |  |  |  |  |  |  |
| 1993 | 21 | 20 | 13 | 28 | 28 |  |  |  |  |  |  |  |  |  |
| 1994 | 21 | 22 | 15 | 16 | 24 | 26 |  |  |  |  |  |  |  |  |
| 1995 | 21 | 15 | 15 | 19 | 17 | 27 | 27 |  |  |  |  |  |  |  |
| 1996 | 21 | 16 | 16 | 15 | 12 | 13 | 16 | 16 |  |  |  |  |  |  |
| 1997 | 20 | 15 | 15 | 15 | 9 | 11 | 11 | 14 | 14 |  |  |  |  |  |
| 1998 | 20 | 15 | 15 | 16 | 14 | 11 | 13 | 8 | 15 | 15 |  |  |  |  |
| 1999 | 20 | 15 | 14 | 15 | 14 | 10 | 15 | 10 | 15 | 15 | 15 |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2002 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Geometric mean. Geometric mean 1975-1988. Geometric mean 1963-1989. Geometric mean 1963-1991.Geometric mean 1963-1992. Geometric mean 1988-1993

Geometric mean 1989-1994. Geometric mean 1988-1995. Geometric mean 1988-1995

**Stock: Saithe in Sub-area VI (West of Scotland and Rockall)**

**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 | |
| 1989 | 34 | 29 | 30 |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1990 | 28 | 31 | 33 | 29 |  |  |  |  |  |  |  |  |  |  |  |  | |
| 1991 | 29 | 24 | 21 | 22 | 20 |  |  |  |  |  |  |  |  |  |  |  | |
| 1992 | 29 | 22 | 19 | 15 | 13 | 12 |  |  |  |  |  |  |  |  |  |  | |
| 1993 | 26 | 19 | 15 | 11 | 10 | 9 | 13 |  |  |  |  |  |  |  |  |  | |
| 1994 | 27 | 21 | 17 | 13 | 14 | 14 | 13 | 15 |  |  |  |  |  |  |  |  | |
| 1995 | 28 | 22 | 17 | 13 | 14 | 16 | 18 | 24 | 28 |  |  |  |  |  |  |  | |
| 1996 | 27 | 21 | 17 | 13 | 13 | 16 | 19 | 15 | 15 | 15 |  |  |  |  |  |  | |
| 1997 | 25 | 20 | 15 | 11 | 11 | 12 | 14 | 11 | 8 | 8 | 7 |  |  |  |  |  | |
| 1998 | 24 | 19 | 15 | 11 | 11 | 12 | 13 | 11 | 11 | 12 | 12 | 11 |  |  |  |  | |
| 1999 | 25 | 19 | 15 | 11 | 11 | 12 | 12 | 10 | 9 | 7 | 11 | 10 | 11 |  |  |  | |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2002 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |

Forecast.