**Stock: Plaice in Division VIIa (Irish Sea)**

**Assessment Quality Control Diagram 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Average F(3-6,u) | | | | | | | | | | | | | | |
| Date of assessment | Year | | | | | | | | | | | | | |
|  | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
| 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 | 0.67 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1992 | 0.67 | 0.69 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1993 | 0.57 | 0.47 | 0.72 |  |  |  |  |  |  |  |  |  |  |  |
| 1994 | 0.56 | 0.46 | 0.73 | 0.61 |  |  |  |  |  |  |  |  |  |  |
| 1995 | 0.57 | 0.46 | 0.72 | 0.56 | 0.45 |  |  |  |  |  |  |  |  |  |
| 1996 | 0.56 | 0.44 | 0.68 | 0.50 | 0.46 | 0.37 |  |  |  |  |  |  |  |  |
| 1997 | 0.57 | 0.45 | 0.69 | 0.54 | 0.48 | 0.40 | 0.34 |  |  |  |  |  |  |  |
| 1998 | 0.57 | 0.45 | 0.69 | 0.54 | 0.48 | 0.42 | 0.36 | 0.36 |  |  |  |  |  |  |
| 1999 | 0.54 | 0.44 | 0.69 | 0.55 | 0.50 | 0.45 | 0.40 | 0.49 | 0.39 |  |  |  |  |  |
| 2000 | 0.55 | 0.44 | 0.68 | 0.54 | 0.49 | 0.44 | 0.39 | 0.48 | 0.39 | 0.32 |  |  |  |  |
| 2001 | 0.56 | 0.44 | 0.69 | 0.54 | 0.50 | 0.44 | 0.39 | 0.48 | 0.39 | 0.32 | 0.22 |  |  |  |
| 2002 | 0.57 | 0.45 | 0.70 | 0.55 | 0.50 | 0.45 | 0.40 | 0.50 | 0.42 | 0.36 | 0.26 | 0.27 |  |  |
| 2003 | 0.57 | 0.46 | 0.71 | 0.56 | 0.51 | 0.46 | 0.40 | 0.51 | 0.45 | 0.41 | 0.32 | 0.32 | 0.46 |  |
| 2004 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Average F(3-8,u). **Remarks:**

**Stock: Plaice in Division VIIa (Irish Sea)**

**Assessment Quality Control Diagram 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Recruitment (age 1) Unit: '000 | | | | | | | | | | | | | | |
| Date of assessment | Year class | | | | | | | | | | | | | |
|  | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
| 1990 | 14691 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 | 12538 | 17671 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1992 | 12773 | 15835 | 15835 |  |  |  |  |  |  |  |  |  |  |  |
| 1993 | 13487 | 15947 | 16071 | 16071 |  |  |  |  |  |  |  |  |  |  |
| 1994 | 11805 | 8936 | 7336 | 12000 | 12000 |  |  |  |  |  |  |  |  |  |
| 1995 | 12035 | 9431 | 11110 | 11883 | 11758 | 13700 |  |  |  |  |  |  |  |  |
| 1996 | 12187 | 10580 | 10427 | 11005 | 9588 | 9868 | 15300 |  |  |  |  |  |  |  |
| 1997 | 11917 | 9948 | 12413 | 11298 | 9433 | 11758 | 13715 | 15120 |  |  |  |  |  |  |
| 1998 | 11889 | 9942 | 11783 | 11007 | 9244 | 11317 | 12709 | 12720 | 11717 |  |  |  |  |  |
| 1999 | 11681 | 10126 | 11212 | 9795 | 7989 | 8879 | 10844 | 10975 | 10482 | 9404 |  |  |  |  |
| 2000 | 11748 | 10134 | 11363 | 9743 | 8099 | 8668 | 10846 | 11017 | 9969 | 9124 | 9796 |  |  |  |
| 2001 | 11731 | 10118 | 11325 | 9746 | 8303 | 8126 | 11314 | 11520 | 10060 | 8055 | 9862 | 9862 |  |  |
| 2002 | 11628 | 10123 | 11331 | 9579 | 8208 | 7722 | 10229 | 10599 | 8993 | 6787 | 8979 | 10896 | 9184 |  |
| 2003 | 11568 | 10101 | 11262 | 9508 | 8149 | 7336 | 9668 | 9413 | 8020 | 6617 | 5976 | 5758 | 5375 | 8330 |

GM. TGM. RCT3. Short-term GM

**Remarks:** Recruitment actually used by Working Group

Stock: Plaice in Division VIIa (Irish Sea)

**Assessment Quality Control Diagram 3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spawning stock biomass (tonnes) | | | | | | | | | | | | | | | | |
| Date of assessment | Year | | | | | | | | | | | | | | | |
|  | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| 1990 | 4427 | 4036 | 3594 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 | 5593 | 5183 | 4539 | 4390 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1992 | 4642 | 3382 | 3466 | 3841 | 4119 |  |  |  |  |  |  |  |  |  |  |  |
| 1993 | 5321 | 4375 | 4210 | 4321 | 4333 | 4305 |  |  |  |  |  |  |  |  |  |  |
| 1994 | 5736 | 4654 | 4255 | 3373 | 3127 | 3179 | 3393 |  |  |  |  |  |  |  |  |  |
| 1995 | 5630 | 4593 | 4235 | 3579 | 4250 | 4626 | 5037 | 5440 |  |  |  |  |  |  |  |  |
| 1996 | 6223 | 5092 | 4860 | 4157 | 4357 | 4490 | 4912 | 5366 | 6124 |  |  |  |  |  |  |  |
| 1997 | 5812 | 4902 | 4695 | 4080 | 4319 | 4174 | 4793 | 5557 | 6292 | 7001 |  |  |  |  |  |  |
| 1998 | 5847 | 4930 | 4727 | 4072 | 4278 | 4044 | 4589 | 4741 | 5560 | 5836 | 6124 |  |  |  |  |  |
| 1999 | 6047 | 5081 | 4872 | 4124 | 4180 | 3727 | 4013 | 3861 | 4103 | 4488 | 4677 | 4706 |  |  |  |  |
| 2000 | 5977 | 5087 | 4844 | 4151 | 4282 | 3783 | 4061 | 3914 | 4123 | 4491 | 4884 | 5158 | 5332 |  |  |  |
| 2001 | 5951 | 5072 | 4767 | 4095 | 4195 | 3772 | 4038 | 3887 | 4139 | 4515 | 5090 | 5654 | 5661 | 5645 |  |  |
| 2002 | 5866 | 4938 | 4680 | 3993 | 4071 | 3711 | 3944 | 3719 | 3878 | 4089 | 4375 | 4863 | 5172 | 5460 | 5657 |  |
| 2003 | 5802 | 4876 | 4624 | 3940 | 4004 | 3662 | 3862 | 3593 | 3658 | 3702 | 3853 | 4068 | 3892 | 3549 | 3552 | 3721 |

Forecast.

SSB at 1 January.

SSB at 1 January and revised maturity ogive used.**Remarks:** *Status quo* option used throughout