**Stock: Plaice in Division VIId (Eastern English Channel)**

**Assessment Quality Control Diagram 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Average F(2-6,u) | | | | | | | | | | | | | | |
| Date of assessment | Year | | | | | | | | | | | | | |
|  | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
| 1989 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990 | 0.344 | 0.299 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 | 0.548 | 0.564 | 0.514 |  |  |  |  |  |  |  |  |  |  |  |
| 1992 | 0.566 | 0.607 | 0.580 | 0.531 |  |  |  |  |  |  |  |  |  |  |
| 1993 | 0.476 | 0.507 | 0.525 | 0.577 | 0.420 |  |  |  |  |  |  |  |  |  |
| 1994 | 0.492 | 0.544 | 0.566 | 0.713 | 0.656 | 0.484 |  |  |  |  |  |  |  |  |
| 1995 | 0.482 | 0.523 | 0.534 | 0.646 | 0.542 | 0.376 | 0.463 |  |  |  |  |  |  |  |
| 1996 | 0.485 | 0.527 | 0.541 | 0.655 | 0.562 | 0.394 | 0.577 | 0.459 |  |  |  |  |  |  |
| 1997 | 0.495 | 0.536 | 0.550 | 0.670 | 0.583 | 0.414 | 0.621 | 0.558 | 0.682 |  |  |  |  |  |
| 1998 | 0.486 | 0.528 | 0.543 | 0.661 | 0.560 | 0.379 | 0.526 | 0.408 | 0.404 | 0.592 |  |  |  |
| 1999 | 0.508 | 0.554 | 0.570 | 0.693 | 0.595 | 0.410 | 0.593 | 0.491 | 0.538 | 0.942 | 0.626 |  |  |  |
| 2000 | 0.510 | 0.556 | 0.572 | 0.695 | 0.598 | 0.413 | 0.599 | 0.497 | 0.552 | 0.973 | 0.626 | 0.661 |  |  |
| 2001 | 0.511 | 0.560 | 0.576 | 0.699 | 0.601 | 0.414 | 0.600 | 0.497 | 0.549 | 0.959 | 0.608 | 0.617 | 0.519 |  |
| 2002 | 0.515 | 0.564 | 0.581 | 0.703 | 0.605 | 0.416 | 0.603 | 0.501 | 0.556 | 0.984 | 0.655 | 0.729 | 0.736 | 0.482 |

Average F(3-6,u).

Remarks:

**Stock: Plaice in Division VIId (Eastern English Channel)**

**Assessment Quality Control Diagram 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Recruitment (age 1) Unit: thousands | | | | | | | | | | | | | | |
| Date of assessment | Year class | | | | | | | | | | | | | |
|  | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
| 1989 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990 | (35600) | (27500) |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 | (23216) | 28854 | 28854 |  |  |  |  |  |  |  |  |  |  |  |
| 1992 | (23095) | (21107) | 27244 | 27244 |  |  |  |  |  |  |  |  |  |  |
| 1993 | 22986 | 30926 | 33556 | 29192 | 29192 |  |  |  |  |  |  |  |  |  |
| 1994 | 18707 | 20097 | 33502 | 19660 | (19354) | 25334 |  |  |  |  |  |  |  |  |
| 1995 | 20103 | 23602 | 31643 | 20072 | 24276 | (26992) | 26474 |  |  |  |  |  |  |  |
| 1996 | 19800 | 22880 | 29665 | 14769 | 21198 | 29389 | (25116) | 25164 |  |  |  |  |  |  |
| 1997 | 18672 | 21554 | 27844 | 12460 | 14429 | 23340 | 17126 | (24073) | 22689 |  |  | |  |  |
| 1998 | 19140 | 22792 | 29254 | 14153 | 19140 | 30952 | 21960 | (28979) | (22612) | 23979 |  |  |  |  |
| 1999 | 18879 | 21837 | 28054 | 13234 | 17321 | 26463 | 27298 | 29998 | (21157) | (23757) | 23441 |  |  |  |
| 2000 | 18871 | 21747 | 27936 | 13239 | 17273 | 25501 | 30749 | 40984 | 18773 | (24918) | (24072) | 24266 |  |  |
| 2001 | 18856 | 21749 | 27966 | 13235 | 17357 | 25475 | 31404 | 41838 | 18156 | 31167 | 26793 | 23946 | 23946 |  |
| 2002 | 18828 | 21713 | 27942 | 13212 | 17281 | 25073 | 30481 | 38310 | 14818 | 22024 | 22317 | 37774 | 23427 | 23427 |

GM 80-87 GM 80-89.GM 80-90 GM 80-91 GM 80-92 GM 80-93 GM80-94 GM80-95 GM80-96 GM80-97 GM80-98 GM-80-99

Remarks: Figures in brackets are estimated from recruit surveys.

**Stock: Plaice in Division VIId (Eastern English Channel)**

**Assessment Quality Control Diagram 3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spawning stock biomass (tonnes) | | | | | | | | | | | | | | | | |
| Date of assessment | Year | | | | | | | | | | | | | | | |
|  | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
| 1989 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990 | 20265 | 23462 | 24255 | 24057 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 | 12025 | 12433 | 11127 | 9793 | 9468 |  |  |  |  |  |  |  |  |  |  |  |
| 1992 | 11627 | 11557 | 9669 | 10052 | 9541 | 9466 |  |  |  |  |  |  |  |  |  |  |
| 1993 | 17744 | 17993 | 12670 | 11263 | 9511 | 10453 | 11032 |  |  |  |  |  |  |  |  |  |
| 1994 | 14712 | 13788 | 10370 | 7757 | 7671 | 7868 | 8181 | 7931 |  |  |  |  |  |  |  |  |
| 1995 | 15258 | 14536 | 11150 | 8934 | 9543 | 10159 | 10500 | 10200 | 10200 |  |  |  |  |  |  |  |
| 1996 | 15130 | 14351 | 10965 | 8731 | 9118 | 9313 | 8906 | 8557 | 9239 | 9730 |  |  |  |  |  |  |
| 1997 | 14761 | 14105 | 10877 | 8640 | 9028 | 9282 | 8347 | 7031 | 6158 | 5895 | 5723 |  |  |  |  |  |
| 1998 | 14981 | 14355 | 11160 | 8912 | 9612 | 10067 | 9662 | 9719 | 9267 | 10119 | 10544 | 10810 |  |  |  |  |
| 1999 | 14272 | 13578 | 10333 | 8151 | 8550 | 8772 | 8126 | 7746 | 7056 | 7174 | 8374 | 8108 | 7495 |  |  |  |
| 2000 | 14223 | 13521 | 10271 | 8092 | 8471 | 8663 | 8005 | 7597 | 6903 | 7474 | 7807 | 9012 | 7874 | 7810 |  |  |
| 2001 | 14169 | 13432 | 10199 | 8011 | 8359 | 8572 | 7937 | 7577 | 6916 | 7558 | 8040 | 9519 | 9520 | 9850 | 9850 |  |
| 2002 | 14115 | 14549 | 10101 | 8564 | 7800 | 8333 | 7538 | 6577 | 6783 | 7640 | 8363 | 6512 | 6966 | 7490 | 9060 | 10210 |

Forecast.

Remarks: Not corrected for SOP.