**Stock: Norway pout in Sub-area IV (North Sea) and Division IIIa (Skagerrak - Kattegat)**

**Assessment Quality Control Diagram 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Average F(1-2 ,u) | | | | | | | | | | | | | |
| Date of assessment | Year | | | | | | | | | | | | |
|  | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
| 1989 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1993 | 0.65 | 0.56 | 0.57 | 0.55 |  |  |  |  |  |  |  |  |  |
| 1994 | 0.67 | 0.59 | 0.60 | 0.64 | 0.54 |  |  |  |  |  |  |  |  |
| 1995 | 0.69 | 0.60 | 0.62 | 0.69 | 0.68 | 0.56 |  |  |  |  |  |  |  |
| 1996 | 0.69 | 0.60 | 0.63 | 0.69 | 0.69 | 0.63 | 0.25 |  |  |  |  |  |  |
| 1997 | 0.71 | 0.62 | 0.64 | 0.70 | 0.70 | 0.68 | 0.31 | 0.28 |  |  |  |  |  |
| 1998 | 0.71 | 0.62 | 0.65 | 0.71 | 0.71 | 0.69 | 0.33 | 0.30 | 0.37 |  |  |  |  |
| 1999 | 0.71 | 0.63 | 0.65 | 0.71 | 0.70 | 0.69 | 0.34 | 0.32 | 0.43 | 0.26 |  |  |  |
| 2000 | 0.74 | 0.65 | 0.67 | 0.76 | 0.76 | 0.75 | 0.38 | 0.35 | 0.52 | 0.28 | 0.58 |  |  |
| 2001 | 0.74 | 0.65 | 0.68 | 0.75 | 0.73 | 0.76 | 0.39 | 0.37 | 0.52 | 0.28 | 0.57 | 0.48 |  |
| 2002 | 0.75 | 0.66 | 0.69 | 0.76 | 0.76 | 0.77 | 0.38 | 0.36 | 0.48 | 0.25 | 0.51 | 0.42 | 0.19 |

**Remarks:** Average runlF(1-2 ,u)

**Stock: Norway pout in Sub-area IV (North Sea) and Division IIIa (Skagerrak - Kattegat)**

**Assessment Quality Control Diagram 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Recruitment (age 0) Unit: millions | | | | | | | | | | | | | |
| Date of assessment | Year class | | | | | | | | | | | | |
|  | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
| 1989 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1993 | 107 | 110 | 209 |  |  |  |  |  |  |  |  |  |  |
| 1994 | 106 | 102 | 191 | 93 |  |  |  |  |  |  |  |  |  |
| 1995 | 104 | 100 | 172 | 85 | 94 |  |  |  |  |  |  |  |  |
| 1996 | 103 | 100 | 172 | 81 | 82 | 290 | 54 |  |  |  |  |  |  |
| 1997 | 102 | 99 | 171 | 81 | 67 | 282 | 83 | 213 |  |  |  |  |  |
| 1998 | 102 | 98 | 170 | 80 | 66 | 252 | 86 | 203 | 22 |  |  |  |  |
| 1999 | 101 | 98 | 170 | 81 | 65 | 253 | 79 | 182 | 41 | 69 |  |  |  |
| 2000 | 100 | 95 | 165 | 78 | 61 | 237 | 71 | 158 | 47 | 73 | 165 |  |  |
| 2001 | 100 | 95 | 168 | 78 | 60 | 230 | 70 | 159 | 49 | 68 | 199 | 43 |  |
| 2002 | 100 | 94 | 166 | 77 | 61 | 231 | 73 | 175 | 51 | 77 | 203 | 50 | 107 |

**Remarks:**

**Stock: Norway pout in Sub-area IV (North Sea) and Division IIIa (Skagerrak - Kattegat)**

**Assessment Quality Control Diagram 3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spawning stock biomass ('000 t) | | | | | | | | | | | | | |
| Date of assessment | Year class | | | | | | | | | | | | |
|  | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
| 1989 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1993 | 108 | 156 | 194 |  |  |  |  |  |  |  |  |  |  |
| 1994 | 103 | 150 | 186 | 228 |  |  |  |  |  |  |  |  |  |
| 1995 | 101 | 146 | 180 | 217 | 255 |  |  |  |  |  |  |  |  |
| 1996 | 101 | 146 | 180 | 216 | 255 | 163 | 221 |  |  |  |  |  |  |
| 1997 | 99 | 144 | 177 | 214 | 251 | 156 | 188 | 468 |  |  |  |  |  |
| 1998 | 98 | 142 | 175 | 211 | 248 | 154 | 176 | 409 | 288 |  |  |  |  |
| 1999 | 98 | 142 | 174 | 211 | 249 | 155 | 175 | 406 | 266 | 329 |  |  |  |
| 2000 | 93 | 138 | 170 | 201 | 235 | 143 | 159 | 370 | 231 | 275 | 162 |  |  |
| 2001 | 93 | 137 | 168 | 202 | 241 | 146 | 156 | 354 | 224 | 274 | 163 | 191 |  |
| 2002 | 92 | 136 | 167 | 200 | 235 | 142 | 156 | 358 | 235 | 310 | 183 | 214 | 342 |

**Remarks:**