|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Recruitment (age 2), Unit: millions** | | | | | | | | | | | | | | | | | | |
| **Assessment year** | *Year* | | | | | | | | | | | | | | | | | |
| *1985* | *1986* | *1987* | *1988* | *1989* | *1990* | *1991* | *1992* | *1993* | *1994* | *1995* | *1996* | *1997* | *1998* | *1999* | *2000* | *2001* | *2002* |
| *1990* | 137 | 41 | 30 | 40 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *1991* | 153 | 43 | 24 | 31 | 110 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *1992* | 165 | 42 | 20 | 31 | 111 | 160 |  |  |  |  |  |  |  |  |  |  |  |  |
| *1993* | 160 | 44 | 26 | 31 | 107 | 162 | 41 |  |  |  |  |  |  |  |  |  |  |  |
| *1994* | 164 | 46 | 26 | 26 | 113 | 167 | 40 | 50 |  |  |  |  |  |  |  |  |  |  |
| *1995* | 166 | 47 | 26 | 23 | 85 | 171 | 35 | 50 | 78 |  |  |  |  |  |  |  |  |  |
| *1996* | 166 | 47 | 26 | 22 | 80 | 161 | 33 | 44 | 73 | 55 |  |  |  |  |  |  |  |  |
| *1997* | 166 | 47 | 26 | 22 | 81 | 170 | 35 | 40 | 71 | 51 | 104 |  |  |  |  |  |  |  |
| *1998* | 166 | 47 | 26 | 22 | 80 | 170 | 36 | 43 | 73 | 36 | 98 | 26 |  |  |  |  |  |  |
| *1999* | 166 | 47 | 26 | 22 | 80 | 170 | 37 | 41 | 76 | 36 | 98 | 20 | 55 |  |  |  |  |  |
| *2000* | 166 | 47 | 26 | 22 | 79 | 169 | 37 | 41 | 75 | 38 | 89 | 18 | 46 | 80 |  |  |  |  |
| *2001* | 166 | 47 | 26 | 22 | 79 | 168 | 37 | 41 | 70 | 34 | 89 | 13 | 43 | 85 | 92 |  |  |  |
| *2002* | 166 | 47 | 26 | 22 | 79 | 168 | 37 | 41 | 70 | 34 | 92 | 13 | 45 | 94 | 112 | 155 |  |  |
| 2003 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2004 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spawning stock biomass ('000 t) | | | | | | | | | | | | | | | | | | | |
| **Assessmentyear** | *Year* | | | | | | | | | | | | | | | | | | |
| *1985* | *1986* | *1987* | *1988* | *1989* | *1990* | *1991* | *1992* | *1993* | *1994* | *1995* | *1996* | *1997* | *1998* | *1999* | *2000* | *2001* | *2002* | *2003* |
| *1990* | 103 | 66 | 75 | 90 | 111 | 119 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *1991* | 101 | 64 | 72 | 90 | 114 | 101 | 91 |  |  |  |  |  |  |  |  |  |  |  |  |
| *1992* | 101 | 65 | 74 | 95 | 122 | 111 | 107 | 97 |  |  |  |  |  |  |  |  |  |  |  |
| *1993* | 100 | 65 | 70 | 88 | 118 | 107 | 104 | 92 | 113 |  |  |  |  |  |  |  |  |  |  |
| *1994* | 106 | 79 | 59 | 99 | 145 | 156 | 126 | 93 | 116 | 179 |  |  |  |  |  |  |  |  |  |
| *1995* | 106 | 79 | 59 | 99 | 146 | 158 | 128 | 92 | 104 | 137 | 135 |  |  |  |  |  |  |  |  |
| *1996* | 83 | 79 | 60 | 99 | 146 | 158 | 128 | 92 | 101 | 128 | 121 | 97 |  |  |  |  |  |  |  |
| *1997* | 83 | 79 | 60 | 99 | 146 | 158 | 129 | 92 | 103 | 134 | 128 | 103 | 100 |  |  |  |  |  |  |
| *1998* | 83 | 79 | 60 | 99 | 146 | 158 | 128 | 92 | 102 | 133 | 128 | 103 | 97 | 101 |  |  |  |  |  |
| *1999* | 59 | 55 | 41 | 65 | 98 | 109 | 90 | 62 | 69 | 83 | 87 | 69 | 64 | 68 | 69 |  |  |  |  |
| *2000* | 59 | 55 | 41 | 65 | 98 | 109 | 90 | 62 | 69 | 82 | 86 | 69 | 63 | 66 | 64 | 59 |  |  |  |
| *2001* | 59 | 55 | 41 | 65 | 98 | 109 | 90 | 62 | 69 | 85 | 86 | 67 | 61 | 62 | 58 | 50 | 45 |  |  |
| *2002* | 59 | 55 | 41 | 65 | 98 | 109 | 90 | 62 | 69 | 85 | 86 | 67 | 61 | 62 | 59 | 52 | 53 | 69 |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fishable stock 3+ in 1000 tonnes.** | | | | | | | | | | | | | | | | | | | | | | |
| **Assessmentyear** | *Year* | | | | | | | | | | | | | | | | | | | | | |
| *1985* | *1986* | *1987* | *1988* | *1989* | *1990* | *1991* | *1992* | *1993* | *1994* | *1995* | *1996* | *1997* | *1998* | *1999* | *2000* | *2001* | *2002* | *2003* | | *2004* | |
| *1990* | 137 | 94 | 88 | 127 | 188 | 178 |  |  |  |  |  |  |  |  |  |  |  |  | |  | |  | |
| *1991* | 150 | 124 | 161 | 238 | 232 | 182 | 147 |  |  |  |  |  |  |  |  |  |  |  | |  | |  | |
| *1992* | 150 | 126 | 166 | 254 | 248 | 196 | 154 | 187 |  |  |  |  |  |  |  |  |  |  | |  | |  | |
| *1993* | 149 | 130 | 153 | 234 | 238 | 210 | 151 | 175 | 244 |  |  |  |  |  |  |  |  |  | |  | |  | |
| *1994* | 150 | 138 | 157 | 239 | 252 | 212 | 173 | 184 | 231 | 241 |  |  |  |  |  |  |  |  | |  | |  | |
| *1995* | 150 | 138 | 157 | 241 | 254 | 213 | 174 | 165 | 206 | 207 | 186 |  |  |  |  |  |  |  | |  | |  | |
| *1996* | 150 | 138 | 158 | 241 | 254 | 213 | 174 | 162 | 196 | 195 | 167 | 155 |  |  |  |  |  |  | |  | |  | |
| *1997* | 150 | 138 | 158 | 241 | 254 | 213 | 175 | 163 | 202 | 205 | 176 | 162 | 144 |  |  |  |  |  | |  | |  | |
| *1998* | 150 | 138 | 158 | 241 | 254 | 213 | 174 | 162 | 201 | 204 | 176 | 165 | 137 | 150 |  |  |  |  | |  | |  | |
| *1999* | 105 | 92 | 104 | 151 | 168 | 145 | 120 | 106 | 130 | 127 | 120 | 109 | 90 | 99 | 98 |  |  |  | |  | |  | |
| *2000* | 105 | 92 | 104 | 151 | 168 | 145 | 120 | 106 | 129 | 127 | 119 | 108 | 89 | 96 | 91 | 86 |  |  | |  | |  | |
| *2001* | 105 | 92 | 104 | 151 | 168 | 145 | 120 | 106 | 129 | 130 | 118 | 106 | 85 | 90 | 81 | 74 | 81 |  | |  | |  | |
| *2002* | 105 | 92 | 104 | 151 | 168 | 145 | 120 | 106 | 129 | 130 | 118 | 106 | 85 | 90 | 83 | 76 | 89 | 120 | |  | |  | |
| *2003* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | |  | |
| *2004* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | |  | |

Stock size reduces by 30% when survey weights were used instead of catch weights.

Fishable biomass based on 4+ but changed to 3+ 1991.