**6.3.9** **Grey gurnard (Eutrigla gurnardus) in Subarea IV and Divisions VIId and IIIa (North Sea, Eastern English Channel, Skagerrak and Kattegat)**

ICES stock advice

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**Stock development over time**

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Insert [Stock Assessment Graphs](http://ices.dk/marine-data/tools/Pages/stock-assessment-graphs.aspx) figures here

**Figure 6.3.9.1** Grey gurnard in Subarea IV and Divisions VIId and IIIa. Summary of stock assessment.

**Stock and exploitation status**

**Table 6.3.9.1** Grey gurnard in Subarea IV and Divisions VIId and IIIa. State of the stock and fishery, relative to reference points.

Insert [Stock Assessment Graphs](http://ices.dk/marine-data/tools/Pages/stock-assessment-graphs.aspx) “tick-mark” table here

Catch options

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**Table 6.3.9.2** Grey gurnard in Subarea IV and Divisions VIId and IIIa. For stocks in ICES data categories 3–6, one catch option is provided.

|  |  |  |
| --- | --- | --- |
| Index A (XXXX–XXXX) | XX.XX | |
| Index B (XXXX–XXXX) | XX.XX | |
| Index ratio (A/B) | X.XX | |
| Uncertainty cap | Not applied | - |
| Average catch (XXXX–XXXX) | XXXX | |
| Discard rate (XXXX–XXXX) | X.XX | |
| Precautionary buffer | Not applied | - |
| Catch advice \* | XXXX t | |
| Landings advice \*\* | XXXX t | |

Basis of the advice

**Table 6.3.9.3** Grey gurnard in Subarea IV and Divisions VIId and IIIa. The basis of the advice.

|  |  |
| --- | --- |
| Advice basis | Precautionary approach |
| Management plan | There is no management plan for grey gurnard in this area. |

Quality of the assessment

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Issues relevant for the advice

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Reference points

No reference points are defined for this stock.

Basis of the assessmentf

**Table 6.3.9.4** Grey gurnard in Subarea IV and Divisions VIId and IIIa. The basis of the assessment.

|  |  |
| --- | --- |
| ICES stock data category | 3.2.0 (ICES, 2016b) |
| Assessment type | Trends-based assessment |
| Input data | One survey index (IBTS-Q1), with maturity and length-weight relationship |
| Discards and bycatch | Discards only occur in the human consumption fisheries, and have been quantified for the period 2012–2015. Discards ranged between 72% and 89% of the total catch. In 2015 discard information was provided for 75% of the total landings. |
| Indicators | None |
| Other information | 2011 was the first year ICES advised on grey gurnard in the Northeast Atlantic. In 2012 the advice was split into ecoregions. |
| Working group | Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak (WGNSSK) |

Information from stakeholders

There is no available information.

**History of advice, catch, and management**

**Table 6.3.9.5** Grey gurnard in Subarea IV and Divisions VIId and IIIa. History of ICES advice, the agreed TAC, and ICES estimates of landings. All weights in thousand tonnes.

| Year | ICES advice | Predicted catch corresp. to advice | Official landings in 4, 3.a and 7.d | ICES landings | ICES discards | ICES catch |
| --- | --- | --- | --- | --- | --- | --- |
| 2009 |  | - | 285 |  |  |  |
| 2010 |  | - | 388 |  |  |  |
| 2011 |  | - | 442 |  |  |  |
| 2012 | No increase in catch | - | 658 | 904 | 6358 | 7262 |
| 2013 | No increase in catch | - | 527 | 975 | 7735 | 8710 |
| 2014 | No new advice, same as for 2013 | - | 500 | 1761 | 6248 | 8009 |
| 2015 | No new advice, same as for 2013 | - | 777\* | 2026 | 5290 | 7316 |
| 2016 | No new advice, same as for 2013 | - |  |  |  |  |
| 2017 | Precautionary approach | 8813\*\* |  |  |  |  |
| 2018 | Precautionary approach | 8813\*\* |  |  |  |  |
| 2018 |  |  |  |  |  |  |

**History of catch and landings**

**Table 6.3.9.6** Grey gurnard in Subarea IV and Divisions VIId and IIIa. Catch distribution by fleet in 2016 as estimated by ICES.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Catch (2016) | Landings | | | Discards |
|  |  |  |  |  |
|  | | |

**Table 6.3.9.7** Grey gurnard in Subarea IV and Divisions VIId and IIIa. History of commercial landings; official values presented by area for each country participating in the fishery.

Insert Table

**Summary of the assessment**

**Table 6.3.9.7** Grey gurnard in Subarea IV and Divisions VIId and IIIa. Assessment summary (weights in tonnes).

Insert [Stock Assessment Graphs](http://ices.dk/marine-data/tools/Pages/stock-assessment-graphs.aspx) table here

**Sources and references**