

# Assessment of Irish Sea atlantic cod (*Gadus morhua*)

Assessment ID:WGNSDS-CODIS-1968-2006-MINTO

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Area ID: multinational-ICES-VIIa

General assessment details.

| Detail             | Value   |
|--------------------|---|
| Management body    | ICES  |
| Assessment group   | Working Group on the Assessment of Northern Shelf Demersal Stocks |
| Assessment authors | Anonymous   |
| Assessment method  | The ADAPT approach with year effects in a catch multiplier        |
| Publication year   | 2007  |
| Timeseries span    | 1968-2006   |
| Document           | ICES-WGNSDS-2007.pdf (pdf in database)                            |
| Recorder           | MINTO   |
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| QA/QC complete     | YES   |
| Date approved      | 2009-06-10  |

Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

| primary LME              |       |       | secondary LME          | tertiary LME |       |
|--------------------------|-------|-------|------------------------|--------------|-------|
| 24 - Celtic-Biscay Shelf |       |       | na                     | na           |       |
| Parameter                | Value | Units | Reference points       |              |       |
|                          |       |       | Parameter              | Value        | Units |
| A50-yr                   | 2     | yr    |                        |              |       |
| SSB-AGE-yr               | 2+    | yr    | SSBlim-MT (SSB)        | 6000         | MT    |
| REC-AGE-yr               | 0     | yr    | SSBpa-MT (SSB)         | 10000        | MT    |
| TB-AGE-yr                | 0+    | yr    | Fpa-1/T (F)            | 0.72         | 1/T   |
| M-1/T                    | 0.2   | 1/T   | Fmax-1/T               | 0.32         | 1/T   |
| F-AGE-yr-yr              | 2-4   | yr-yr | Flim-1/T (F)           | 1            | 1/T   |
| SSB-SEX-sex              |       |       | F0.1-1/T               | 0.18         | 1/T   |
| M                        |       |       | $SSB_{2006}/SSB_{lim}$ | 0.427        |       |
| L50-cm                   |       |       | $F_{2006}/F_{lim}$     | 1.644        |       |

Time series minima and maxima

|                     | SSB   | R     | F      | TB    | Catch |
|---------------------|-------|-------|--------|-------|-------|
| Minimum year        | 1968  | 1968  | 1968   | 1968  | 1968  |
| Maximum year        | 2006  | 2006  | 2006   | 2006  | 2006  |
| Time series minimum | 2025  | 875   | 0.6386 | 4537  | 838   |
| Time series maximum | 20249 | 18442 | 1.7828 | 30044 | 14907 |
| Units               | MT    | E03   | 1/T    | MT    | MT    |

