

# Assessment of North Sea sand lance (*Ammodytes marinus*)

Assessment ID:WGNSSK-SEELNS-1983-2007-MINTO

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Area ID: multinational-ICES-IV

General assessment details.

| Detail             | Value   |
|--------------------|---|
| Management body    | ICES  |
| Assessment group   | Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak |
| Assessment authors | Anonymous   |
| Assessment method  | Extended Survivor Analysis  |
| Publication year   | 2007  |
| Timeseries span    | 1983-2007   |
| Document           | ICES-WGNSSK-2007.pdf (pdf in database)  |
| Recorder           | MINTO   |
| Date entered       | 2008-04-12  |
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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 |
|-------------|----------------|---------------|--------------|
|             | 22 - North Sea | na            | na           |
| Parameter   | Value          | Units         |              |
| A50-yr      | 2              | yr            |              |
| SSB-AGE-yr  | 2+             | yr            |              |
| REC-AGE-yr  | 0              | yr            |              |
| M-1/T       | 0.2 for 1+     | 1/T           |              |
| F-AGE-yr-yr | 1-2            | yr-yr         |              |
| TB-AGE-yr   | 0+             | yr            |              |
| SSB-SEX-sex |                |               |              |
| M           |                |               |              |
| L50-cm      |                |               |              |

  

| Reference points       |        |       |
|------------------------|--------|-------|
| Parameter              | Value  | Units |
| SSBlim-MT (SSB)        | 430000 | MT    |
| SSBpa-MT (SSB)         | 600000 | MT    |
| $SSB_{2007}/SSB_{lim}$ | 1.057  |       |

| Time series minima and maxima |         |         |       |         |         |
|-------------------------------|---------|---------|-------|---------|---------|
|                               | SSB     | R       | F     | TB      | Catch   |
| Minimum year                  | 1983    | 1983    | 1983  | 1983    | 1983    |
| Maximum year                  | 2007    | 2006    | 2007  | 2007    | 2007    |
| Time series minimum           | 169965  | 77203   | 0.21  | 549532  | 171790  |
| Time series maximum           | 1735847 | 1935600 | 0.969 | 5435685 | 1114044 |
| Units                         | MT      | E03     | 1/T   | MT      | MT      |

