



Ammodytes marinus Raitt, 1934

Lesser sand-eel

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Ammodytes marinus

Picture by [Svensen, E.](#)

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[Native range](#) | [All suitable habitat](#) | [Point map](#) | [Year 2050](#)



This map was computer-generated and has not yet been reviewed.
Ammodytes marinus AquaMaps Data sources: GBIF OBIS

Classification / Names

[Common names](#) | [Synonyms](#) | [Catalog of Fishes\(genus, species\)](#) | [ITIS](#) | [CoL](#) | [WoRMS](#) | [Cloffa](#)

Teleostei (teleosts) > [Perciformes/Uranoscopoidei](#) (Sand dwellers) > [Ammodytidae](#) (Sand lances)

Etymology: *Ammodytes*: Greek, ammos = sand + Greek, dytes = anyone that likes immersions, diving (Ref. [45335](#)).

Environment: milieu / climate zone / depth range / distribution range

[Ecology](#)

Marine; brackish; benthopelagic; depth range 10 - 150 m (Ref. [35388](#)), usually 10 - 150 m (Ref. [35388](#)). Temperate; 73°N - 49°N, 54°W - 60°E

Distribution

[Countries](#) | [FAO areas](#) | [Ecosystems](#) | [Occurrences](#) | [Point map](#) | [Introductions](#) | [Faunafri](#)

Northeast Atlantic: 74°N (Novaya Zemlya and Bear Islands) to 49°N (Channel Islands, western English Channel), including eastern Greenland, Iceland, Barents Sea (but not the White Sea) and the Baltic (but not the Gulf of Bothnia and Finland).

Length at first maturity / Size / Weight / Age

Maturity: L_m ?, range 11 - ? cm

Max length : 25.0 cm TL male/unsexed; (Ref. [232](#)); max. reported age: 10 years (Ref. [35388](#))

Short description

[Identification keys](#) | [Morphology](#) | [Morphometrics](#)

Dorsal spines (total): 0; **Dorsal soft rays** (total): 56 - 63; **Anal soft rays**: 29 - 33. Scales absent from a median band anterior to the dorsal fin and from the musculature at the base of caudal fin. Belly scales loosely arranged, not in chevrons. Vertebrae 65-75. Margins of dorsal and anal fins straight with rays of equal length. Lateral line pores linearly arranged along the unbranched canals.

Biology

Glossary

(e.g. epibenthic)

This schooling species is usually territorial and burrowing (Ref. [40](#)). Feed on plankton. High activity is correlated to periods with strong tidal currents; then they leave their bottom hides and form large shoals. During low light intensity (night and winter) they bury in the bottom (Ref. [35388](#)).

Life cycle and mating behavior

[Maturities](#) | [Reproduction](#) | [Spawnings](#) | [Egg\(s\)](#) | [Fecundities](#) | [Larvae](#)

Main reference

[Upload your references](#) | [References](#) | [Coordinator](#) | [Collaborators](#)

Muus, B.J. and J.G. Nielsen, 1999. Sea fish. Scandinavian Fishing Year Book, Hedeusene, Denmark. 340 p. (Ref. [35388](#))

IUCN Red List Status (Ref. [130435](#))

Not Evaluated**CITES**

Not Evaluated

CMS (Ref. 116361)

Not Evaluated

Threat to humans Harmless**Human uses**

Fisheries: commercial

FAO - Publication: [search](#) | [FishSource](#) | [Sea Around Us](#)**More information*****Trophic ecology***[Food items](#)[Diet compositions](#)[Food consumptions](#)[Food rations](#)[Predators](#)***Ecology***[Ecology](#)***Population dynamics***[Growths](#)[Max. ages / sizes](#)[Length-weight rel.](#)[Length-length rel.](#)[Length-frequencies](#)[Mass conversions](#)[Recruitments](#)[Abundances](#)***Life cycle***[Reproduction](#)[Maturities](#)[Fecundities](#)[Spawnings](#)[Spawning aggregations](#)[Egg\(s\)](#)[Egg developments](#)[Larvae](#)[Larval dynamics](#)***Distribution***[Countries](#)[FAO areas](#)[Ecosystems](#)[Occurrences](#)[Introductions](#)[BRUVS - Videos](#)***Anatomy***[Gill areas](#)[Brains](#)[Otoliths](#)***Physiology***[Body compositions](#)[Nutrients](#)[Oxygen consumptions](#)[Swimming type](#)[Swimming speeds](#)[Visual pigment\(s\)](#)[Fish sounds](#)[Diseases / Parasites](#)[Toxicities \(LC50s\)](#)***Genetics***[Genetics](#)[Electrophoreses](#)[Heritabilities](#)***Human related***[Aquaculture systems](#)[Aquaculture profiles](#)[Strains](#)[Ciguatera cases](#)[Stamps, coins, misc.](#)***Outreach***[Collaborators](#)***Taxonomy***[Common names](#)[Synonyms](#)[Morphology](#)[Morphometrics](#)[Pictures](#)***References***[References](#)**Tools**[E-book](#) | [Field guide](#) | [Identification keys](#) | [Length-frequency wizard](#) | [Life-history tool](#) | [Point map](#) | [Classification Tree](#) | [Catch-MSY](#) |**Special reports**[Check for Aquarium maintenance](#) | [Check for Species Fact Sheets](#) | [Check for Aquaculture Fact Sheets](#)**Download XML**[Summary page](#) | [Point data](#) | [Common names](#) | [Photos](#)**Internet sources**[AFORO \(otoliths\)](#) | [Aquatic Commons](#) | [BHL](#) | [Cloffa](#) | [BOLDSystems](#) | [Websites from users](#) | [Check FishWatcher](#) | [CISTI](#) | [Catalog of Fishes: genus, species](#) | [DiscoverLife](#) | [ECOTOX](#) | [FAO - Publication: search](#) | [Faunafri](#) | [Fishipedia](#) | [Fishtrace](#) | [GenBank: genome, nucleotide](#) | [GloBI](#) | [Google Books](#) | [Google Scholar](#) | [Google](#) | [IGFA World Record](#) | [MitoFish](#) | [National databases](#) | [Otolith Atlas of Taiwan Fishes](#) | [PubMed](#) | [Reef Life Survey](#) | [Socotra Atlas](#) | [Tree of Life](#) | [Wikipedia: Go, Search](#) | [World Records Freshwater Fishing](#) | [Zoobank](#) | [Zoological Record](#)

Estimates based on models

Preferred temperature (Ref. [123201](#)): 6.7 - 11, mean 9.7 °C (based on 1058 cells).

Phylogenetic diversity index (Ref. [82804](#)): $PD_{50} = 0.5156$ [Uniqueness, from 0.5 = low to 2.0 = high].

Bayesian length-weight: $a=0.00275$ (0.00205 - 0.00370), $b=3.14$ (3.07 - 3.21), in cm total length, based on LWR estimates for this species (Ref. [93245](#)).

Trophic level (Ref. [69278](#)): 3.3 ± 0.40 se; based on food items.

Resilience (Ref. [120179](#)): Medium, minimum population doubling time 1.4 - 4.4 years ($K=0.16-0.89$; $tm=1-3$; $tmax=10$; $Fec=4,000$).

Fishing Vulnerability (Ref. [59153](#)): Low to moderate vulnerability (30 of 100).

Price category (Ref. [80766](#)): **Low**.

Nutrients (Ref. [124155](#)): Calcium = 44.2 [24.8, 86.8] mg/100g; Iron = 0.34 [0.20, 0.60] mg/100g; Protein = 18.6 [17.2, 19.8] %; Omega3 = 0.448 [0.217, 0.891] g/100g; Selenium = 14.2 [5.9, 30.8] µg/100g; VitaminA = 36.1 [12.4, 109.0] µg/100g; Zinc = 0.825 [0.582, 1.152] mg/100g (wet weight);

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