



## *Trisopterus esmarkii* (Nilsson, 1855)

### Norway pout

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*Trisopterus esmarkii*  
 Picture by [Dolgov, A.](#)

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



This map was computer-generated and has not yet been reviewed.  
*Trisopterus esmarkii* [AquaMaps](#) Data sources: [GBIF](#) [OBIS](#)

#### Classification / Names

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

Teleostei (teleosts) > [Gadiformes](#) (Cods) > [Gadidae](#) (Cods and haddocks)

Etymology: *Trisopterus*: Greek, tris = thrice + Greek, pteron = wing, fin (Ref. [45335](#)).

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

[Ecology](#)

Marine; benthopelagic; oceanodromous (Ref. [51243](#)); depth range 50 - 300 m (Ref. [54932](#)), usually 100 - 200 m (Ref. [54932](#)). Temperate; 79°N - 48°N, 27°W - 30°E (Ref. [54932](#))

#### Distribution

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

Northeast Atlantic: southwest Barents Sea, sometimes at Bear Island, south to the English Channel, - and the Bay of Biscaye (Ref. [90172](#))-, around Iceland and Faeroe Islands.

#### Length at first maturity / Size / Weight / Age

Maturity:  $L_m$  [14.0](#), range 11 - 15 cm

Max length : 35.0 cm TL male/unsexed; (Ref. [1371](#)); common length : 19.0 cm TL male/unsexed; (Ref. [4645](#)); max. reported age: 5 years (Ref. [273](#))

#### Short description

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

[Dorsal spines](#) (total): 0; [Anal spines](#): 0. Gray-brown dorsally, silvery on sides, white on belly. A dark blotch is at the upper edge of the pectoral-fin base.

#### Biology

**Glossary**

(e.g. epibenthic)

Benthopelagic to pelagic over muddy bottoms. Mostly found between 100 and 200 m. Feeds mostly on planktonic crustaceans (copepods, euphausiids, shrimps, amphipods) but also on small fish and various eggs and larvae (Ref. [1371](#)). Caught mainly for reduction to fishmeal (Ref. [3383](#)), trout pellets, fodder (Ref. [35388](#)).

#### Life cycle and mating behavior

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

Oviparous, sexes are separate (Ref. [205](#)). Migrates for spawning between the Shetland Islands and Norway and out of the Skagerrak. Major spawning grounds are Northwestern Scotland, Norway, Faeroe Islands and Iceland.

#### Main reference

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

**Cohen, D.M., T. Inada, T. Iwamoto and N. Scialabba**, 1990. FAO species catalogue. Vol. 10. Gadiform fishes of the world (Order Gadiformes). An annotated and illustrated catalogue of cods, hakes, grenadiers and other gadiform fishes known to date. FAO Fish. Synop. 125(10). Rome: FAO. 442 p. (Ref. [1371](#))

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

Least Concern (LC) ; Date assessed: 18 October 2013

**CITES**

Not Evaluated

**CMS (Ref. 116361)**

Not Evaluated

**Threat to humans** Harmless**Human uses**

Fisheries: highly commercial

FAO - Fisheries: [landings](#), [species profile](#); Publication: [search](#) | FIRMS - [Stock assessments](#) | [FishSource](#) | [Sea Around Us](#)**More information****Trophic ecology**[Food items](#)  
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**Estimates based on models**

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Preferred temperature (Ref. [123201](#)): 5.9 - 10.1, mean 7.8 °C (based on 185 cells).

Phylogenetic diversity index (Ref. [82804](#)):  $PD_{50} = 0.5625$  [Uniqueness, from 0.5 = low to 2.0 = high].

Bayesian length-weight:  $a=0.00603$  (0.00527 - 0.00689),  $b=3.06$  (3.02 - 3.10), in cm total length, based on LWR estimates for this species (Ref. [93245](#)).

Trophic level (Ref. [69278](#)):  $3.2 \pm 0.0$  se; based on diet studies.

Resilience (Ref. [120179](#)): Medium, minimum population doubling time 1.4 - 4.4 years ( $K=0.36$ ;  $t_m=2.3$ ;  $t_{max}=5$ ;  $Fec=27,000$ ).

Prior  $r = 0.50$ , 95% CL = 0.33 - 0.75, Based on 3 full stock assessments.

Fishing Vulnerability (Ref. [59153](#)): Low to moderate vulnerability (32 of 100).

Climate Vulnerability (Ref. [125649](#)): Moderate vulnerability (41 of 100).

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

Nutrients (Ref. [124155](#)): Calcium = 73.1 [20.9, 258.1] mg/100g; Iron = 0.802 [0.170, 3.524] mg/100g; Protein = 17.9 [15.4, 20.0] %; Omega3 = 0.627 [0.304, 1.293] g/100g; Selenium = 17.5 [8.3, 34.9] µg/100g; VitaminA = 25.5 [6.3, 108.2] µg/100g; Zinc = 1.25 [0.31, 3.42] mg/100g (wet weight);

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