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PEOPLE'S REPUBLIC OF CHINA**

GB/T 8588-2024

Fundamental terms of fishery resource sciences

渔业资源基本术语

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB/T 8588-2001 "Basic Terminology of Fishery Resources". Compared with GB/T 8588-2001, except for the structural adjustment and compilation In addition to logical changes, the main technical changes are as follows:

a) Deleted the following terms. "fishing waters", "red tide", "growth rate", "migratory group", "fishing resources", "reserve resources", "fishing capacity index", "resources" The terms and definitions of "juvenile fish protection areas" and "fish enhancement areas" (see 2.1.9, 2.1.16, 3.1.31, 3.3.5, 3.3.9.1, 3.3.9.3, 3.3.40, 3.4.4, 3.4.7);

b) Added "aquatic germplasm resources", "harmful algal blooms in marine waters", "harmful algal blooms in freshwaters", "filter-feeding fish", "community", "community structure", "interaction" "Symbiosis", "Early life history of fish", "Early fish resources", "Floating eggs", "Absolute fecundity", "Population characteristics", "Resource assessment" "Migration channel", "biological reference point", "large water surface proliferation", "proliferation and release", "artificial fish nest", "marine ranch", "marine fishing moratorium" The term and definition of "aquatic germplasm resources protection area" (see 3.1.1.3,

3.1.16, 3.1.17, 3.1.29, 3.1.41, 3.1.41.1, 3.1.44, 4.1.2, 4.1.3, 4.1.4.4, 4.2.31.3, 5.1, 5.2, 6.2.14, 6.2.15, 6.2.18, 6.2.20, 6.2.21, 6.2.23, 6.2.33, 6.2.34);

c) Changed the terms "fishery ecology", "inland waters", "tidal flats", "bottom quality", "critical depth", "compensation depth", "fishery ecosystem", "plankton" Organisms", "zooplankton", "phytoplankton", "freshwater fish", "estuarine fish", "marine fish", "top layer fish", "bottom layer fish", "migratory "Sedentary fish", "sedentary fish", "fish fauna", "fish community", "water productivity", "fishery biology", "eggs", "sticky eggs", "sinking fish" Eggs", "Floating eggs", "Total length", "Body length", "Fork length", "Anus length", "Disc length", "Supplementary body length", "Supplementary weight", "Supplementary age", "Supplementary curve line", "effective population analysis", "survival curve", "catch curve", "total catch model", "dynamic integrated model", "reproduction model", "share analysis", "vertical migration", "migration", "upstream migration", "internal markers", "external markers", "recreational fisheries", "multi-species fisheries", "artificial fish "Reef", "Fishing log" and other terms and definitions (see 3.1.3, 3.1.9, 3.1.12, 3.1.13, 3.1.14, 3.1.15, 3.1.18, 3.1.21, 3.1.22, 3.1.23, 3.1.30, 3.1.31, 3.1.32, 3.1.32.2, 3.1.32.4, 3.1.33, 3.1.34, 3.1.40, 3.1.41.3, 3.2.1, 4.1.1, 4.1.4, 4.1.4.1, 4.1.4.2, 4.1.4.3, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.11, 5.1.10, 5.1.11, 5.1.12, 5.1.13, 5.2.1, 5.2.3, 5.2.4, 5.2.6, 5.2.7, 5.2.8, 5.2.9, 6.1.2, 6.1.4, 6.1.4.3, 6.2.3.1, 6.2.3.2, 6.2.16, 6.2.17, 6.2.22, 6.2.32, 2.1.2, 2.1.8, 2.1.12, 2.1.13, 2.1.14, 2.1.15, 2.1.17,

2.1.20 of the.2001 edition, 2.1.21, 2.1.22, 2.1.28, 2.1.29, 2.1.30, 2.1.30.2, 2.1.30.4, 2.1.31, 2.1.32, 2.1.38, 2.1.39, 2.2.1, 3, 2.1.1, 3.1.2, 3.1.2.1, 3.1.2.2, 3.1.2.3, 3.1.21, 3.1.22, 3.1.23, 3.1.24, 3.1.25, 3.2.10, 3.2.11, 3.2.12, 3.2.13, 3.2.14, 3.2.16, 3.2.17, 3.2.19, 3.2.20, 3.2.21, 3.2.22, 3.3.2, 3.3.4, 3.3.4.3, 3.3.1, 3.3.17, 3.4.2, 3.4.5, 3.4.15). Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Aquatic Products Standardization (SAC/TC156). This document was drafted by: South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, East China Sea Fisheries Research Institute, China Academy of Fishery Sciences, Shanghai Ocean University, Freshwater Fisheries Research Center, China Academy of Fishery Sciences, China Science Institute of Hydrobiology. The main drafters of this document are. Chen Zuozhi, Li Chunhou, Shan Xiujuan, Li Shengfa, Zhu Jiangfeng, Yang Jian, Fan Jiangtao and Guo Chuanbo. The previous versions of this document and the documents it replaces are as follows:

---First published in 1988 as GB/T 8588-1988;

---Incorporated GB/T 15808-1995 "Basic Terminology of Fishery Resources Part 2" during the first revision in.2001;

---This is the second revision. Basic terms of fishery resources

1 Scope

GB/T 8588-2024 is the Chinese vocabulary of fishery resource science. China has the largest fishing fleet and the largest aquaculture sector in the world, and it negotiates access, quota and conservation measures in every regional fisheries body; the terms of that science, spawning stock biomass, recruitment, fishing mortality, maximum sustainable yield, catch per unit effort, the reference points and the precautionary approach, carry legal and commercial consequence, and a mismatch between the Chinese and the international term is a real problem in negotiation. The standard defines the terms across the field: the resource and population terms, the life history and reproduction terms, the growth and mortality terms, the stock assessment and modelling terms, the fishing effort and catch terms, the survey and sampling terms, and the management, conservation and reference point terms. It takes effect on 1 July 2025.

This document defines common terms and concepts related to fishery science, fishery biology, fishery dynamics, fishery development, management and conservation. definition. This document applies to fishery resource development, management and related scientific research, teaching, production and other fields.

2 Normative references

This document has no normative references.

3.1 Basics of Resource Science

3.1.1 Fishery resourcesfisheryresources Biological resources in natural waters that have value for fishery development and utilization.

3.1.1.1 Biological resources in inland waters such as rivers, lakes and reservoirs that have value for fishery development and utilization.

3.1.1.2 Biological resources in the ocean that have value for fishery development and utilization.

3.1.1.3 It has important economic value, genetic breeding value, ecological protection value and scientific research value, and can be used for fishing, aquaculture and other fishery production as well as Other aquatic biological resources developed and utilized by human activities and scientifically studied.

3.1.1.4 sharedresources Fishery resources distributed in the exclusive economic zones of two or more coastal countries, or in the exclusive economic zone of a country and the adjacent high seas.

3.1.2 The structure, function and quantity of fishery resources under the influence of natural environment and fishing, and provide a basis for fishery production and management

science.

3.1.3 fishery ecology The science that studies the interactions between fishery organisms and other biotic and abiotic environments.

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