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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 47155-2026

Technical specification for artificial reef construction

人工鱼礁建设技术规范

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no 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 Fisheries Standardization (SAC/TC156). This document was drafted by: Dalian Ocean University, Dalian Modern Marine Ranching Group Co., Ltd., Shanghai Ocean University, and Zhejiang Ocean University. South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences; Ocean University of China; Institute of Oceanology, Chinese Academy of Sciences; National Fisheries Technology Extension Center Yellow Sea Fisheries Research Institute of Chinese Academy of Fishery Sciences, Shandong University, and Hainan University. The main drafters of this document are. Yin Zengqiang, Chen Yong, Tian Tao, Liu Yonghu, Yang Jun, Zhang Shouyu, Zhang Xiumei, Chen Pimao, Tang Yanli, Zhang Tao, and Luo Gang. Zhang Shuo, Lin Jun, Wang Zhenhua, Guan Changtao, Jiang Zhaoyang, Wang Aimin, Wu Zhongxin, Liu Min. Technical Specifications for Artificial Reef Construction

1 Scope

GB/T 47155-2026 is the Chinese national standard covering building an artificial reef - the survey and site selection, the materials that may be sunk and those that may not, the design of the units and their arrangement, the deployment, and the monitoring of whether

fish actually arrive. China has one of the largest artificial reef programmes in the world, largely to rebuild coastal stocks after decades of trawling. First edition, 15,000 words. It was issued on 27 February 2026 and has been in force since 1 September 2026, as a first edition. The document is under the responsibility of the Ministry of Agriculture and Rural Affairs. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the technical requirements for site selection, reef design, configuration, reef construction, reef deployment, and project acceptance in the construction of artificial reefs for marine ranches. Technical requirements. This document applies to the construction of artificial reefs.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 712 Structural Steel for Shipbuilding and Marine Engineering

GB 3097 Seawater Quality Standard

GB 3098.1 Mechanical properties of fasteners - bolts, screws and studs

GB/T 8588 Basic Terminology for Fishery Resources

GB/T 12763.2 Marine Survey Specifications Part

3 Terms and Definitions

The terms and definitions defined in GB/T 8588 and GB/T 42779, as well as the following terms and definitions, apply to this document.

3.1 Artificial reef Artificial facilities used to restore and optimize the marine ecological environment and to build habitats for marine life.

4 Survey of Seawater Chemical Elements

GB/T 12763.6 Marine Survey Standards Part

5 Sediment Analysis

GB 18668 Marine Sediment Quality

GB/T 42779 Basic Terminology for Marine Ranching

GB 50007 Code for Design of Building Foundations

GB 50017 Standard for Design of Steel Structures

GB 50164 Standard for Quality Control of Concrete

GB 50205 Standard for Acceptance of Construction Quality of Steel Structures JTS202
Specification for Concrete Construction in Waterway Engineering SC/T 9442 Technical
Specification for Quality Evaluation of Artificial Reef Deployment

6 Marine Biological Survey

GB/T 12763.8 Marine Survey Specifications Part

8 Marine Geological and Geophysical Surveys

GB/T 12763.10 Marine Survey Standard Part

10 Seabed Topography and Geomorphology Survey

GB/T 12763.11 Marine Survey Specifications Part

11 Marine Engineering Geological Survey

GB 17378.4 Marine Monitoring Standard Part