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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HY/T 0311-2021

Sea level changes affect information collection technical regulations

海平面变化影响信息采集技术规程

(English Translation)

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Appendix A (Normative Appendix) Sea Level Change Impact Information Collection Form

Appendix B (Normative Appendix) Format of the Work Report on the Collection of Sea Level Change Impact Information

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is proposed by the Ministry of Natural Resources.

This standard is under the jurisdiction of the National Marine Standardization Technical Committee (SAC/TC283).

This standard was drafted. National Oceanographic Information Center.

Introduction

Sea level rise is a slow-onset, global marine disaster caused by global warming. Low-lying land directly caused by sea level rise Belt inundation, wetland changes, ecosystem changes, and reduced coastal protection engineering functions, exacerbated storm surges, coastal erosion, seawater intrusion, soil salinity Marine disasters such as flooding have been highly valued by coastal countries around the world. Carry out and standardize the collection of information on the impact of sea level change in China's coastal areas Collecting work and integrating relevant data and information on the impact of sea level change will help to fully grasp the comprehensive impact of China's sea level rise, and to respond to climate change it is of great significance to provide basic data and decision-making basis for climate change and sea level rise. In order to fully grasp the impact of sea level change to promote the national sea level change impact investigation and assessment work, standardize the sea level change impact information collection method and work flow, clarify the data, this standard is formulated to meet the requirements of technical methods and results in the form of ensuring that the information collected on the impact of sea level rise is detailed and accurate.

Technical regulations for the collection of information on the impact of sea level change

1 Scope

This standard establishes the working procedures for the collection of information on the impact of sea level change, and specifies the principles, Content and requirements, forms of data and results, and filing requirements.

This standard applies to the information collection business work on the impact of sea level change along the coast of the People's Republic of China.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article pieces. For undated references, the latest edition (including all amendments) applies to this document.

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HY/T 056 Operational Specification for Marine Science and Technology Research Archives
HY/T 058 Operational specification for marine survey, observation and monitoring archives

3 Terms and Definitions

The following terms and definitions apply to this document.

sea level change

Changes in mean sea level height caused by changes in ocean basin topography, total sea water mass, and sea water density.

The effects and causes of sea level change on the natural environment, social economy and human adaptation under certain conditions and within a certain period of time the various consequences and the degree of variation in the results.

seawall seadike

Dike works built to protect protected areas from storm surges and waves.

Note: Also known as seawalls, sea barriers, and tidal embankments.

[SL/T 435-2008, Definition 2.0.1] 3.4 oceanengineering New construction, reconstruction and expansion for the purpose of developing, utilizing, protecting and restoring marine resources, and the main part of the project is located on the seaward side of the coastline project.

land subsidence

The geological phenomenon of the reduction of ground elevation caused by the compression of loose strata caused by natural factors and human activities.

[DZ/T 283-2015, Definition 3.1] 3.6 coastal erosion Receding coastline location, shore beaches (including beaches or tidal flats) caused by natural factors, human factors, or a combination of both.

eclipse.

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