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

HY/T 0314-2021

**Technical specification for seawater intrusion monitoring and
evaluation**

(English Translation)

Issued on: April 1, 2021

Implemented on: June 1, 2021

**Issued by: Ministry of Natural Resources of the People's Republic of
China**

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Foreword

This document is in accordance with GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document was proposed by the First Institute of Oceanography, Ministry of Natural Resources.

This document was prepared by the National Marine Standardization Technical Committee (SAC/TC

283) Concentration.

Drafting organizations of this document. First Institute of Oceanography, Ministry of Natural Resources, National Marine Environmental Monitoring Center.

1 Scope

This document specifies the monitoring plan design, monitoring content and methods, current status evaluation and monitoring during the implementation of seawater intrusion monitoring and evaluation.

Technical requirements for data collection.

This document is applicable to the monitoring and evaluation of seawater intrusion in coastal zones and islands under the jurisdiction of the People's Republic of China.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T

11828.3-2012 Water level measuring instrument Part 3: Groundwater level gauge GB/T

12898-2009 National third- and fourth-class leveling specifications GB/T 14848-2017

Groundwater Quality Standard GB/T 20257.3-2017 National Basic Scale Map Schema Part

3.1.25 000 1.50 000 1.100 000 land Pictogram GB/T 20257.4-2017 National Basic Scale

Map Schema Part 4.1.250 000 1.500 000 1.1 000 000 Topographic map schema GB/T

50138-2010 Water Level Observation Standard GB/T 51040-2014 Technical Code for

Groundwater Monitoring Engineering SL 360-2006 Technical Specifications for the

Construction of Groundwater Monitoring Stations HJ 164-2020 Technical Specifications for

Groundwater Environmental Monitoring

3 Terms and definitions

The following terms and definitions apply to this document.

Coastal

zone

The transition zone where the ocean and the land interact.

Note:

The upper limit of the coastal zone range starts from the farthest boundary of modern sea water that can affect the land, and the lower limit is the deepest boundary where waves affect the seabed, or modern coastal sediments.

The farthest limit of the seabed that can be reached.

[Source. GB/T

18190-2007,

2.1.3]

Island

Surrounded by water, the land area naturally formed above the water at high tide.

[Source. GB/T

18190-2007,

2.1.13]

Coastline

The traces of the boundary between the land and the sea at the average high tide level of the spring tide for many years.