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LY

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

LY/T 2090-2013

Replacing LY/T 1707-2007

**Indicators system for long-term observation of wetland
ecosystem**

湿地生态系统定位观测指标体系

(English Translation)

Issued on: January 1, 1970

Implemented on: January 1, 1970

Issued by: State Forestry Administration

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Foreword

1 Added the following normative references

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Foreword

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

This standard replaces LY/T 1707-2007 "Wetland Ecosystem Positioning Observation Index System".

The main changes in this standard compared with LY/T 1707-2007 are as follows.

---Additional main content

1 Added the following normative references

GB/T 24708-2009 Wetland Classification HJ/T 166-2004 Technical Specifications for Soil Environmental Monitoring LY/T 1707-2007 Wetland Ecosystem Positioning Observation Index System QX/T 45-2007 Ground Meteorological Observation Specification SL219-98 Water Environment Monitoring Specification 2. Increased terms such as wetland type, wetland wild animals, wetland vegetation, wetland plant communities, soil evaporation and continuous observation.

definition.

3. Increased wetland genesis, wetland sediment type, inter-green evaporation, peat layer, wetland plant litter, wetland microbes, wetland endangered Observation indicators such as species, epidemic diseases, and harmful invasive species.

---The main content of the deletion 1. Deleted "LY/T 1606-2003 Forest Ecosystem Positioning Observation Index System" in "2 Normative Reference Documents".

2. Deleted "3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23, 3.24, 3.25".

3. Deleted the "Surface of the Wetland Protection Area" in the "Comprehensive Indicators of Wetland Resources in Table 1" of "4.1 Comprehensive Indicators for Wetland Resources" One line.

4. Deleted "4.3 Wetland Atmospheric Settlement Indicators".

5. Deleted the "wetland-related disasters" in "Table 5 Wetland Ecosystem Health Indicators" in "4.5 Wetland Ecosystem Health Indicators" the occurrence of the damage" line.

---Main content of the modification 1. Modified "1 Scope".

2. Revised "3.2 Wetland Ecosystem wetlandecosystem" in the terms and definitions.

3. Revised the headings 4.1, 4.2, 4.4, 4.5, 4.6, 4.7, in which the title of "4.6 Wetland Hydrological Indicators" was revised to "4.4 Wetland Hydrology" Observation indicators" and "4.5 Wetland water quality observation indicators." At the same time, the text description in each title was revised and a number of observation indicators were modified.

Language and definitions, re-adjusted the categories of observations and frequency of observations, and some indicators added notes.

This standard was proposed by the Institute of Wetland of the Chinese Academy of Forestry.

This standard is under the jurisdiction of the National Wetland Protection Standardization Technical Committee (SAC/TC468).

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 24708-2009 Wetland Classification HJ/T 166-2004 Technical Specifications for Soil Environmental Monitoring LY/T 1707-2007 Wetland Ecosystem Positioning Observation Index System QX/T 45-2007 Ground Meteorological Observation Specification SL219-98 Water Environment Monitoring Specification

3 Terms and definitions

The following terms and definitions apply to this document.

Wetland wetlands

See GB/T 24708-2009.

Wetland ecosystem an ecosystem of aquatic or wet vegetation that grows over a long period of time or periodically.

Wetland type See GB/T 24708-2009.

Moisture renewal rate (or moisture turnover rate) renewalrateofwater the ratio of the total water volume of the wetland ecosystem to the total water storage capacity of the wetland

ecosystem over a certain period of time.

Flooding duration inundationduration One-time accumulation of water in a wetland or water holding time above a certain water level.

Water bloom/red tide waterblooms/redtide the large-scale reproduction of plankton caused by eutrophication of water makes the water surface appear a natural phenomenon of different colors.