

ICS 13.060.10  
CCS Z 16

**HJ**

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

**HJ 522-2009**

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**Codes for surface-water environmental function zone  
categories**

地表水环境功能区类别代码(试行)  
**(English Translation)**

**Issued on: December 30, 2009**

**Implemented on: April 1, 2010**

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**Issued by: Ministry of Ecology and Environment**

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## Foreword

In order to implement the "Environmental Protection Law of the People's Republic of China", prevent and control environmental pollution, improve environmental quality, and promote environmental informationization, Establish and improve the environmental information standard system, provide technical support for environmental information processing and exchange, and standardize the surface water environment functional area category standard Knowledge, develop this standard.

This standard is the first release.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

This standard was drafted. Information Center of the Ministry of Environmental Protection, Anhui Environmental Information Center.

This standard was approved by the Ministry of Environmental Protection on December 31, 2009.

This standard has been implemented since April 1, 2010.

This standard is explained by the Ministry of Environmental Protection.

Surface water environment ribbon category code

## **1 Scope of application**

This standard specifies the categories and codes of surface water environment functional zones.

The water environment functional zone category code object in this standard is the rivers, lakes, canals, channels, reservoirs, etc. within the territory of the People's Republic of China.

There are surface waters that use functions.

This standard applies to the management of surface water environment information collection, exchange, processing, use and environmental information system construction.

## **2 Normative references**

The contents of this standard refer to the terms in the following documents. For undated references, the valid version applies to this standard.

GB 3838 Surface Water Environmental Quality Standard GB/T 7027 Basic principles and methods of information classification and coding HJ/T 416-2007 Environmental Information Terminology HJ/T 417-2007 Environmental Information Classification and Code

## **3 Terms and definitions**

The terms and definitions established in HJ/T 416-2007 and HJ/T 417-2007, as well as the following terms and definitions, apply to this standard.

Water environmental function zone According to water use function, water environment pollution status, water environment tolerance (environment capacity), social and economic development needs, and pollution the requirements for total emissions control, delineated water environment with specific functions.

### **4.1 Basic methods**

The basic classification method of this standard follows the provisions and requirements of GB/T 7027.

## **4.2 Classification method of surface water environment functional area**

The classification is based on the mixed classification method supplemented by the surface classification method and the line classification method.

The first-level category is divided into 9 categories according to the "Water Pollution Control Law of the People's Republic of China" and the requirements of GB 3838.

### **5.1.1 Uniqueness**

Each type of surface water environment ribbon category has only one code, and one code represents only one type of surface water environment ribbon category.

### **5.1.2 Rationality**

The code structure is adapted to the classification system.

### **5.1.3 Extensibility**

Have appropriate backup capacity to accommodate the ever-expanding needs.

### **5.1.4 Simplicity**

The code structure is as concise as possible and the length is appropriate to save computer storage space and reduce the error rate of the code.

### **5.1.5 Stability**

Once the surface water environmental function category code has been determined, it should remain unchanged as long as the name has not changed.

### **5.1.6 Normative**

The type, structure, and format of the code should be uniform.

## **5.2 Coding method**

Hierarchical coding is used, and each layer is digitally encoded.

The level of the surface water environment ribbon category code from left to right is from high to low, the left end of the code is the highest level code, and the right end is the lowest level code. In a fixed incremental format, the sequential code uses an incremental digital code.

### 5.3 Code composition

The surface water environmental function category code is represented by two Arabic numerals, 01 to 99.

## 6 Surface water environment functional area categories and codes

The surface water environment function area category code is shown in Table 1.

Table 1 Surface water environment functional area category code table

Code surface water environment ribbon category name description 10 nature reserve a representative natural ecosystem, a natural concentrated distribution of rare and endangered species of wild flora and fauna, A land water body with a special meaning such as a natural relic and a protected object, a certain area shall be drawn according to law.

Special protection and management area

### 11 National Nature Reserve

It has typical significance at home and abroad, has significant international influence in science, or has special scientific research value.

Nature reserve, listed as a national nature reserve Implementation of Class I standards for surface water environmental quality

### 12 Local nature reserve

In addition to national nature reserves, other natural conservation values with typical or important scientific research value the reserve is listed as a local nature reserve Implementation of surface water environmental quality Class I or Class II standards

20 Drinking water source protection areas designated for the prevention and control of drinking water source pollution, ensuring the environmental quality of the water source, and requiring a certain area of water and land for special protection

21 The water quality of the first-grade protected area protection area is mainly to ensure the sanitary requirements of drinking water. The water quality should not be lower than the surface water environmental quality class II standard.

### 22 Secondary protection zone

Under normal conditions to meet the water quality requirements, in the case of emergencies of contaminated drinking water sources, ensure that there is enough Enough time and buffer zone for emergency measures the water quality shall not be lower than the Class III standard for surface water environmental quality, and the water quality flowing into