

Surveillance study on valley aquatic environment data base construction

Whole term

1998.10 ~ 2002.3

(Purpose)

“Basin Water Environment Database” is a tool to support not only sewage administrators but also citizens in the basin reestablishing sound water circulation and its environment. The database contributes to form a management cycle for plans, measures and information management pertaining to the basin water circulation and its environment. The measures are developed through public involvement and public comment where information disclosure to the public and public participation is encouraged to gain consensus. Such measure development is expected to form a sound water circulation and its environment as well as a wholesome community bringing a variety of water culture to the basin.

This document, as “Guide to establish the Basin Water Environment Database (draft)”, is to provide how to create and use the database containing data items related to the water environment indicators. It also includes data collection and process procedures, sewage construction planning and management and how to communicate with citizens.

(Research result)

1. Definition and purpose of the database

The “basin water environment data” is defined as the data required to properly grasp the status of the sewerage business involved in the water circulation and its environment.

2. Function and effect of the database

The database has a function as a supporting tool (covering planning, management and communication support) to establish a sound water circulation and its environment in a city where a sewage system is built while taking the role of the sewerage into consideration. Establishment, continuous update and utilization of the database is expected to gain a variety of effects including incentive of sewerage business promotion, disclosing the effects of sewerage construction, planning support for the general basin plan and establishment of a management cycle (including outcome indices).

3. Basic and developing policies of database establishment

They are decided by conveying an ad hoc research counsel meeting consisting of concerned parties while recognizing individual role of each entity involved in the basin water. The basic policy defines how to standardize, update, improve and utilize the database while the developing policy defines areas and years of the research as well as indices setting.

4. Utilization of the database

In order to understand the current status and issues of eight principal basic sewerage functions, individual basin water environment databases are established according to each water environment indices wherein real situations and problems are to be found. Needs of the citizens, obtained through basin characteristics, information disclosure effect and PI, are expected to be reflected as specific measures appropriate for the basin region. Continuous utilization of the database incorporated in the management cycle allows efficient and effective execution of the measures.

This document, as “Guide to establish the Basin Water Environment Database (draft)”, is to provide how to create and use the database containing data items related to the water environment indicators. It includes data collection and process procedures, sewerage construction planning and management and how to communicate with citizens.

We hope this guide (draft) would be contributory for sewerage administrators in establishing their “Basin Water Environment Database”.

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Keywords

Healthy water circulation, Excellent aquatic environment, water census, Data base, Aquatic environment index