

Practice and results of Wuhan East Lake water environment improvement project

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Abstract: East Lake is located in the central urban area of Wuhan City, Hubei Province. It is a typical semi-enclosed shallow lake. After the 1960s, East Lake experienced multiple rounds of water ecological problems such as separation of rivers and lakes, and cyanobacteria bloom. The ecological background of the City's Calling Card has been severely challenged. The East Lake Water Environment Improvement Project is an important part of the East Lake Water Environment Comprehensive Management Plan and the Ten Major Projects of East Lake Water Environment Management. It focuses on the management of outlets within the trusteeship scope of the East Lake Ecological Tourism Scenic Area, interception of initial rain and overflow pollution, sediment management, water ecological restoration, and the construction of a water quality monitoring and early warning system. The results of the 40 years of management of East Lake have provided many inspirations and references for various places to explore the harmony between human and water and cities and lakes.

Key words: East Lake, water environment, practice, results

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