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农业生态与环境科学

滇池主要入湖河流水质分析

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摘要 对滇池流域的4条入湖河流的总磷、总氮、COD污染进行了调查。结果表明，随着流域内旱雨季变化、河流流量变化、河流地段变化，总磷、总氮、COD含量存在明显差异。入湖口水样总磷、总氮、COD含量明显高于同一河流中、上游。雨季河流流量增加，总磷、总氮、COD含量仍明显增高，特别是雨季前期，由于旱季大量有机物在地面堆积，土壤有效P累积，雨后随地表径流进入河道，使COD、TP增加明显，持续降雨后又有下降趋势。

关键词 滇池流域； 总磷； 总氮； COD； 暴雨径流

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Analysis of Water Quality of Main Into-lake Rivers in Dianchi Lake

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Abstract

The total phosphorus,total nitrogen and COD in the four main into-lake rivers of Dianchi lake valley was study. The content of total phosphorus,total nitrogen and COD is significant difference in water with the change of season,water flow and river's section. The content of total phosphorus, total nitrogen and COD at entrance of Dianchi lake is higher than that of upper reaches and middle reaches. The flux increase in the rain-storm, and the total phosphorus, otal nitrogen and COD increase significantly.Before rain-storm, total phosphorus and COD increase,after a continuous rain,the content of total phosphorus and COD decreased.

Key words Dian lake valley total phosphor total nitrogenous COD rainstorm runoff

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