

EVALUATION AND ANALYSIS FOR ECONOMIC VALUING IMPACTS OF LAND-BASED POLLUTION ON SHANTOU WETLAND

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Shantou wetland is the first wetland demo-site set up by UNEP/GEF in China. Its environmental protection is important to the wetland protection and economic development of Shantou City, South China even the whole South China Sea area. Accompanied by the rapid economic development and extensive urbanization, the problem of pollution at Shantou demo-site is getting more and more severe. For the protection purpose, the evaluation and the analysis of economic value loss in Shantou coastal wetland caused by land-based pollution are taken out. Through the study of land-base pollution situation from 1997-2003, it is found that the correlation between pollution and economic value on Shantou wetland is negative. The land-based pollution mainly affects the economic value of Shantou wetland on the aspects of wetland productivity and state of humanity health, but the impact of the environmental amenity degree is not so obvious. So it is suggested that the management and restoration of wetland habitats, and controlling of pollution are very urgent. Especially the monitoring of petroleum sewage discharge should be intensified in the future. It would be hoping that these works will provide scientific references and suggestion on the protection and sustainable use of this wetland.

Key Words: Shantou wetland; land-based pollution; economic evaluation