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Forest ecosystem services and their valuation of Wulingyuan Natural Reserve

PAN Yong-jun, KANG Wen-xing, TIAN Da-lun(Research Section of Ecology, Central South Forestry Univ., Zhuzhou 412006, China)

Based on the characteristics and connotation of forest ecosystem services, the physical and value assessment methods, including market value method, shallow engineer methods, production cost method and opportunity cost method were used to evaluate the forest ecosystem services in Wulingyuan Natural Reserve. The results showed that the total annual services value of forest ecosystem in Wulingyuan Natural Reserve were up to 1.975 billion Yuan (RMB), of which 105.8 million Yuan for water conservation, 59.68 million Yuan for CO₂ absorption, 22 million Yuan for O₂ release, 34.44 million Yuan for soil fertility conservation, 1.52 million Yuan for environmental purification and 175 million Yuan for forest recreation in 2002.

【Key Words】 : **forest ecosystem services services valuation Wulingyuan Natural Reserve**

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