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## Evaluation of forest ecosystem services in Chun'an County

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This paper evaluated the main services of forest ecosystem in Chun'an County, based on the second forest resources inventory data, and by applying the methods of market value and shadow project. The results indicated that the total value of forest ecosystem services was 224.04 billion yuan in 2008; the ecological value was 4.55 times the socio-economic value. The sequence of the service function values of forests was as follows: erosion control, water storage, forest travel, biodiversity conservation, air quality purification, C fixation and O<sub>2</sub> release, provision of forest byproducts. The sequence of the ecological value of different forest types was as follows: broadleaf forest, shrub, conifer, bamboo. The sequence of the unit area value was broadleaf forest, conifer, bamboo, coniferous forest, shrub. In the same type of ecological services, the broadleaf forest had larger unit area values of C fixation and O<sub>2</sub> release; water storage and erosion control and the coniferous forest had larger air quality purification.

【Key Words】 : **forest mensuration forest ecosystem ecosystem services value evaluation Chun'an County**

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