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Effect of land use change on ecosystem services value of the urban fringe in Guangzhou city

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We select urban fringe in Guangzhou city as research object, studied the land use change and ecosystem services value change based on the data of land use survey from 2000 to 2008 in Guangzhou. The results showed that from 2000 to 2008 the area of orchard land, water conservancy and land for construction increased while the areas of grassland remain unchanged. The areas of cultivated land, forest land and unused land decreased. Except the regulation period of 2004 and 2005, the integrated land use degree index increased. The ecosystem services value decreased with the development of local economy. At last, in the view of the problem of land use in the urban fringe in Guangzhou city and the results of ecosystem services value, we put forward some suggestions such as the area of land for construction should be strictly controlled in future land use planning and the land use efficiency should be improved to ensure steady development of economy and improvement of the environment.

【Key Words】 : **land use dynamic change ecosystem services value urban fringe**

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