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Assessment of forest ecosystem services value in Dagangshan

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A series of assessment index system suitable for Dagangshan forest ecosystem services value was set up. We assessed the economic value of forest ecosystem services of Dagangshan on the basis of the data of Dagangshan long-term observation, the forest resource of Dagangshan, and the data of social commonality. The results show that the total value of the Dagangshan's forest ecosystem services is 184.95 million yuan per year in the period of ninth five years. The value of forest ecosystem services is 789 hundred yuan/(hm²·a). The total value of tenth five years is 191.80 million yuan per year, and 809 hundred yuan/(hm²·a). The value went up 3.70% and 2.63% respectively. In the seven types of services, the value order is water retention, carbon fixed and oxygen released, biodiversity conservation, air environmental purification, soil conservation, forest nutrition storage, forest tourism and ecological culture. The value order of forest type is Phyllostachys edulis, Cunninghamia lanceolata, hard broadleaved forest, soft broadleaved forest, mixed forest of conifer and broadleaf, shrub, Pinus massoniana. The value order of tree species is hard broadleaved forest, soft broadleaved forest, Phyllostachys edulis, shrub, Pinus massoniana, mixed forest of conifer and broad leaf, Cunninghamia lanceolata.

【Key Words】 : **forest ecosystem ecosystem services assessment index system value assessment Dagangshan**

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