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## **[Values of marine ecosystem services in Sanggou Bay].**

[Article in Chinese]

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### **Abstract**

A valuation study was conducted in Sanggou Bay, a typical and intensive coastal aquaculture area in China Yellow Sea. The results showed that the total value of ecosystem services (VES) in Sanggou Bay was  $6.07 \times 10^8$  Yen in 2003, with an average unit VES being  $4.24 \times 10^6$  Yen  $\times$  km<sup>(-2)</sup>. Within the total VES, the provision services, regulation services, and culture services accounted for 51.29%, 17.34%, and 31.37%, respectively. Among the eight primary and secondary services valued in Sanggou Bay, food provision services held the highest value (50.45%), followed by tourism and entertainment services (29.89%) and climate regulation services (9.18%). Harmful organism and disease control services have the lowest value (0.0017%). The aquaculture activities had greater contributions to the local social economy, environmental regulation, and social culture. Aquaculture activities, especially macro-algae farming, are of significance in maintaining and enhancing the ecosystem services.

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### **Publication Types, MeSH Terms**

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