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# CHANGE IN ECOSYSTEM SERVICE VALUE IN KUNSHAN CITY

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Based on the Constanza's ecosystem service value theory, we calculated the change of the ecosystem service value (ESV) of Kunshan city, Jiangsu province. The results show that the ecosystem value (ESV) has descended dramatically since 1994. The total ESV has lowered by 8.9 per cent and average ESV drops 13.0 per cent due to the expansion of residential and commercial land. The calculation also indicates that the sensitivity coefficients are all inelastic. According to the calculation, the change of water area acreage magnifies the change of ESV 2.5 to 2.7 times. The change of cropland to residential and commercial lands impacts the security of foodstuff, while the change of water mainly impacts the ecosystem service function.

【Key Words】 : **ecosystem service value sensitivity coefficient valuation change ratio Kunshan City**

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