





Home | Journal Papers | About CNKI | User Service | FAQ | Contact Us | [中文](#)

Full-Text Search :

[CNKI Search](#)

《Science of Soil and Water Conservation》 2007-02

[Add to Favorite](#) [Get Latest Update](#)

[Similar Journals](#)

Assessment methods of ecological functions of soil and water conservation measures

Yu Xinxiao, Wu Lan, Rao Liangyi, Li Jingrui, Yang Rongqiang (Key Lab. of Soil & Water Conservation and Desertification Combating, Ministry of Education, College of Soil and Water Conservation, Beijing Forestry University, 100083, Beijing, China)

How to maintain the ecological services of ecosystem is a very popular problem, because it support the balance and keep the stabilization of the eco-environment. And it is also the base of sustainable development. This paper, based on the Costanza's theory and others, after analyzing the aggregate functions of soil and water conservation measures, defined the ecological services of soil and water conservation as an aggregate function which can protect and improve the eco-environment. The ecological function included such as conserving water resource, preventing soil losses, carbon fixation releasing oxygen, cleaning air, and fixation sand. Those functions were subdivided by 10 indexes based on the scientific, practical, and acceptable ways. And every index had been constructed in the computing formula. Thus, those formulas could help to appraise the ecological functions of soil and water conservation measures correctly.

【Key Words】 : **ecological function soil and water conservation assessment methods**

【Fund】 : 水利部中国科学院中国工程院“中国水土流失与生态安全综合科学考察”专题项目(2005SBKK00)

【CateGory Index】 : S157



[Download\(CAJ format\)](#)



[Download\(PDF format\)](#)

CAJViewer7.0 supports all the CNKI file formats; AdobeReader only supports the PDF format.

> Journal of Nanjing Forestry University(Natural Sciences Edition)

> Bulletin of Soil and Water Conservation

> Subtropical Soil and Water Conservation

> Ancient and Modern Agriculture

> Journal of Soil and Water Conservation

> Technology of Soil and Water Conservation

> Forest Resources Management

> Haihe Water Resources

> Shaanxi Forest Science and Technology

> Science of Soil and Water Conservation

©2006 Tsinghua Tongfang Knowledge Network Technology Co., Ltd.(Beijing)(TTKN) All rights reserved

