

Prioritize the factors affecting the sustainability of Shadegan Wetland Ecosystem Stability Index

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Abstract

Today, importance of wetlands stability has increased greatly. So that, unstable wetlands have many destructive effects on societies. In this study, the Analytic Hierarchy Process (AHP) approach was used to determine the weight of different factors that impact wetland ecosystems in 2016. To fully reflect the stability of the Shadegan wetland have been prepared 84 questionnaires of experts. The goals of the study were divided into three main criteria, determination of the function value, environmental constraints, and socio-economic value of each index. The result showed that Shadegan wetland stability is weak (0.483). Also, the result showed that in order to improve the Shadegan wetland stability, implementing programs of improving the water supply for wetland, wetland protection laws and methods of coping with the natural disasters such as drought is necessary.

Keywords: Stability index, Shadegan wetland, AHP method.