

ABSTRACT

THE ORNITHOFAUNA AND THE ENVIRONMENTAL FACTORS THAT EFFECTING NATURAL PARK OF LAKE BAFA

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This study was aimed to identify the bird species that are sheltering, feeding and brooding in Lake Bafa and also determine the environmental factors affecting this area. Our investigations in Lake Bafa was firstly started on July 2011 and continued until June 2012. Twenty three field trips were carried out during one research year. As a result of investigations in Lake Bafa, 142 bird species that are belong to 19 Order and 45 Family were observed. Of these bird species, it was determined that 64 species were water birds, 12 species were predatory birds and 66 species were songbirds. In addition, according to the observation status of these 142 species, it was seen that 61 of them were residential, 32 were winter migrant, 36 were summer migrant and 13 were transit migrant. In the study of Breeding Birds Atlas Work in Lake Bafa, 94 bird species were observed and it was determined that 70 of them were breed in this area. Of these 70 breeding birds, the code of confirmed breeding was given 30 species, the code of probable breeding was given 27 species and the code of possible breeding was given 13 bird species. During our study, we saw that the major factor that affecting Lake Bafa negatively was water pollution. This pollution result from the pollution of Büyük Menderes River and lack of garbage areas in near villages. In addition, illegal hunting and biological pollution are other threats for this area.

Anahtar kelimeler: Lake Bafa, Birds, Geographical Information Systems (GIS), Atlas Methodology, Environmental factors