Birds Species Diversity with Preference to Habitat Condition of Inle Lake

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Abstract: Terrestrial and aquatic birds of Inle area are being affected directly or indirectly by the changing condition of lake's ecosystem which is influenced mostly be human activity such as logging, urbanization, sedimentation from extension of hotel zone and cultivation. As most of the birds occupy in the second and above tropic levels, their food contain plant products and small animals of both terrestrial and aquatic environments. Species composition and population of birds related with different habitats will be conducted by bird census techniques. This paper will be highlighted to determine the complex relationship of bird species and habitat by using geographic information system (GIS). Thus, the lives of birds are greatly limited by the occurrence and abundance of food occupying in the basic tropic levels. Those are in turn dependent on the favorable habitat condition of the lake environment which was affected mostly by the action of human living in the environs of Inle Lake. Thus, investigation on the impact of human on the avian community will be studied comparatively between non human-inhabited areas and human-inhabited areas.

KEYWORDS: Bird species diversity, Lake ecosystem, Impact

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