



Graph 2: indicates number of times raptors are observed. (Details of abbreviation are given in Table-1)

The findings has used for analyzing the Shannon-Wiener function formula. The results are as follows species diversity (H-2.35), maximum diversity (Hmax-2.99) and evenness (J-0.78). The formula are implemented individually to different habitat and results are indicates that FA having Species diversity (H-2.31), maximum diversity (Hmax-2.99) and evenness (E-0.77). WL -Species diversity (H-2.62), maximum diversity (Hmax-2.99) and evenness (E-0.87), UL- Species diversity (H- 1.85), maximum diversity (Hmax-2.99) and evenness (E-0.61). CL- Species diversity (H-1.81), maximum diversity (Hmax-2.99) and evenness (E-0.60). (Table-1 and Table2). The above observations indicate that the area including dam and forest supports at least 20 raptor and most of them are feeding diverse food that are abundantly available in the area. In this study, we provided evidence on the response of raptors to certain structural attributes of selected lands. The primary results will provide base line data that helps to motivate the study of occurrence and flyways migration pattern of raptors over the fresh water bodies and forest of Yavatmal city and their surrounding area, Central Asia. The results of my work suggests that following the approach of selected ecosystem and the diversity index formula should be established correlation for both i.e. bird of prey and conservation needs.

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