A survey on Wintering Waterfowl and Waders fauna in Lorestan province

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Abstract

In the present study, waterfowl and Waders in the aquatic environments of Lorestan province in the winter of 1397 were monitored and the abundance and richness of species in the region were analyzed. Poldakhtar (Takaneh, Lafanak one, Belmak), Aleshtar (Doab river, Sarinjeh village, Zaz river, Siahpoosh village), Boroujerd (Bishe Dalan), Doroud (Marouk dam), Tanvardar wetland, Kuhdasht (Haleh dam), Romeshkan, Azna city (Khorosan dam) and Aligudarz (Hozian dam) were selected. Birds were counted directly and identified in the field based on the type of flight, morphological characteristics, body size, feather and wing color, type of behavior and movements, flight mode, specific sounds. Conservation status and habitat of birds were recorded. 10667 individuals of 52 species from 18 families and 6 orders were identified. These are 33% of species, 75% of genus, 85% of waterfowl and Waders in Iran. Charadriiformes with 19 species from 7 families are the most diverse and Podicipediformes and Pelecaniformes with 2 species from 1 family are the least diverse and families Ardeidae with 8 species are the most diverse and families Swans, Gruidae, Burhinidae, glarioles with one species had the least variety. Anseriformes were the most populous and Pelecaniformes were the least populated. The most abundant population were duckweed ducks and the smallest were Gruidae. Anas platyrhyncho with 2657, Vanellus with 2270 and Fulica atra with 1712 pieces had the most abundance and Phoenicopterus minor with 3, Glareola pratincola with 2 and Porphyrio porphyrio and Grus grus with 1 piece had the lowest frequency. The Authya ferina, Aythya nyroca and Phoenicopterus minor are species that require conservation programs. Houzian and Khorosan dams had more dark variety than other stations. In Aligudarz and Azna, more diverse species were observed. The results showed that artificial wetlands along with natural wetlands provide stable habitats for birds. The important dams of Lorestan are a good place to support birds.

Keywords: Waterfowl, Waders fauna, Natural wetlands, Artificial wetlands, Dam ponds, Lorestan province.