

Sustainable uses of Daryabganj lake in rural area in district K.R.Nagar (U.P.) India

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Daryabganj lake is located in Patiali tehsil of K.R.Nagar district, (which lies between 27°18' north to 28°2' north of latitudes and 78°11' east to 79°17' east of longitudes) about 47 km from the district on Aliganj road. It is 17 km away from Ganjdundwara. The usable area for various purposes is about 50 hectares although around 30 hectare is left pending in vains(non usable). The lake has semiluner shape and surrounded by Kuda, Kanar & Nagaria villages. The water depth up to 15 feet. Daryabganj lake is a fantastic, huge ,varietifull ,very prosperous natural resource and is formed as a result of the changes in the burhi Ganga river basin (formally river course of Ganga) as its basin closely resemble to those of the river basin. It is situated near the residential localities and is used for bathing and washing purposes besides fishing. This lake is ancient and natural. It has vast biodiversity including different types of plankton, flora, fauna and fishes. Author has analysed the whole magnificent biodiversity including various indices present in studied some spots of lake and focused very importance of such huge biodiversity in maintaining such investigated lake (limnoecosystem) .Water supply of this lake is regulated through drainage system and rain water. The major quality of this lake to have full of water around the year by year. So it can be Sustainable used and exploited persistently as preservation of excellent biodiversity, minor irrigation for agricultural cropping, recreational activities, composite farming and aquacultural practices for many years to come. The lake is now used extensively as fish farm by the district administration and stocked with the finger lings of major carps, minor carps and exotic carps. Recently administration has decided to declare this lake as heritage biodiversity hot spot for tourism.

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