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## STUDIES ON AQUATIC MACRO INVERTEBRATES AND VERTEBRATES IN BORI DAM, NALDURG - OSMANABAD

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### ABSTRACT:

*Present communication deals with the studies on aquatic macro invertebrates and vertebrates of Bori Dam osmanabad. The work was carried out during the year 2020. (jan to dec).*

*In present study Total 10 species of aquatic invertebrates and species of aquatic vertebrates were recorded. The invertebrates represents with 3 species of insects, 2 species of crustaceans and 5 species of mollusca. The vertebrates reported with and species of fishes and 1 species of amphibian animals.*

**KEY-WORDS:** *Aquatic invertebrates – vertebrates- Bori dam, Naldurg.*

### INTRODUCTION:

Boridam is a life line of Tuljapur Taluka. The tank was constructed mainly for irrigation and fishery purposes.

The importance of aquatic macro invertebrate diversity as a main item of insects and crustacean's and vertebrate diversity as a main item of fishes. Fishes provides bread and butter to the fisherman. They don't exit only in a variety of forms but also exhibit it abundance in vast ranges of different ecological niches like ponds and wetlands having Submerged lands transitional between terrestrial and aquatic terrestrial and aquatic Ecosystems. The aquatic birds and some other terrestrial birds and some other terrestrial birds also depend on fishes and other macro-invertebrate animals for the food. Majority of freshwater bodies yet to be investigated from the state of Maharashtra hence this investigation was undertaken.

### MATERIALS AND METHODS :

The macro-nvertebrates were collected by using the methods given by Welch (1952). The fishes were collected in the morning hours from the local fishermen. The samples were preserved in 8% formalin. By using the literature given by Tonapi (1980), The insects crustaceans, mollusca and amphibians were identified. The fishes were identified by using day (1958), Jhingran(1975), Talwar and Jhingran (1991), Pandey and Sandhu (1992), Danials and Rajnit (2002) and Captain and Beavan (1984).

### RESULTS AND DISCUSSION :

The insects, crustaceans and molluscs and fishes were collected, identified with standard literature, which are recorded in table no. I and a. g VADN Table no. I Macro-Invertebrates recorded in **Bori dam, Naldurg.**

Sr. No	Name of Macro-Invertebrates
<b>A</b>	<b>Insects</b>
1	Laccotrephes Macwatus
2	Rantra Elongate
3	Salda littoralis
<b>b</b>	<b>Crustacea</b>
1	Macrobranchium Rojenbergi
2	Paratelphusa
<b>C</b>	<b>Mollusca</b>
1	Faunus ceter
2	Melania scabra
3	Digonistoma pulchella
4	Indonla coerulea
5	Corbicula peninsularis

**Table no. II Vertebrate species recorded from Bori Dam**

SR.NO	NAME OF VERTEBRATES
1	Catla catla
2	Labeo-rohita
3	Cirhinus mrigala
4	Wallago attu.
5	Channa punctatus
6	Tilapia mossambica
7	Mastacembelus armatus
8	Cyprinus carpio
<b>II</b>	<b>Amphibia</b>
1	Rana Cyanoptectus

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