ABSTRACT
This dam is located on 17°-51¹-30¹ North Latitude and 76°-38¹-00¹ East Longitude of Tahasil Omerga; District-Osmannabad (M.S.), India, constructed in 1992 with a length 577.00mts, and 11.95mts, height and having capacity about 4.612 Mm³. It is a natural dam and with a large source of aquatic animals including, certain protozoons’, Molluscan’s; Arthropod’s, Fishes; other animals and aquatic plants; which are commercially important to man and environment. This dam is also used for drinking and irrigation water for nearly about 07 villages under the canal irrigation and domestic etc. The present investigation was carried out to study biodiversity of certain aquatic animals with reference to protozoons’; Molluscan’s; Arthropod’s; and Fishes From Koregaon Dam water body during the period from Jan – 2013 to Dec – 2013 one year. The results were confirmed the occurrence of one (1) species and one (1) genus belongs to one order of protozoa, three (3) specie and three (3) genus Belongs to 3 orders of Mollusca, seven (7) specie and six (6) genus belonging to 4 orders of Arthropods; while twenty three (23) species and 17gunus belongings to 7 orders of fishes. The orders cyprini forms was dominant with 12 species followed by order channiforms with 3 species; order clufeiforms, siluriforms and perciforms each with 2 species, while order, mugiliforms and mastacemberliforms each with only one (1) species. The results show’s with rich biodiversity of aquatic animals.

KEYWORDS: Biodiversity, Aquatic Animals ;(Protozoan’s; Molluscan’s; Arthropods; and Fishes), Koregaon Dam.

INTRODUCTION
The reservoirs or dams were constructed by for impounding effective utilization of water for irrigation, power generation and flood control. India is having very rich sources of Inland water bodies in the form of rivers; lakes and reservoirs. These reservoirs or dam form one of the most important source of food for large number of living aquatic animals; which are economically important for nature as well as human being for their using as a food. These are provided an excellent food with high protein; fats, carbohydrates and vitamins and certain minerals which are essential for health for man. The bottom fauna form a very important source of food for aquatic animals. These animals inhabit of river, lakes and reservoirs or dam and their distribution is directly related to availability of food and quantity sediment type (organic sandy and clay). There are certain organisms or macrobenthose play important or an eminent role and occupied a distinct place in the food cycle. The bottom fauna are also play an important role in the mineralization and recycling of organic matter, and as a link in the energy flow from primary production to fish and other aquatic animals. The considerable studies on biodiversity and diversity of aquatic animals from different water bodies of India have been carried out during the last few decades; Krishnamurthy (1966), Anitha et.al. (2004).made the previous studies on the macro-zoobenthos in India; Hamilton Buchanan (1822), Day (1878), Mishra(1962); Jayaram (1981) Gupta (1976).The more important work on this aspect is those of Srivastava (1959); Michal (1964).

More than one and quarter millions of species are living animals out of which at present only 5% i.e. about 5050 species belongs to chordates; millions of species of Arthropods;45000 species of molluscan’s and 2500 species of fish and other aquatic animals out of these large number of animals are economically important to nature and man. Phylum molluscan’s are constitutes dominant groups of animals and are includes soft bodied animals such as snails, slugs, freshwater mussels, clams, oysters, octopods etc. This is very successful diverse and wide spread group with about 112000 species and second large phyla after Arthropoda. Mollusca’s play significant role as links in food chains as detritus feeders improving bottom sediment and soil condition in an aquatic ecosystem and also a good indicators of localized conditionsand the water quality. The molluscs are includes seven classes namely monoplacophoda;
A world molluscan’s diversity varies from 50 thousand and 150 thousand. In India a total of 3271 molluscan species belongs to 220 families and 591 genera are known in which 1900 species of gastropods 1100. Species of bivalvia, 210 species of cephalopods; (4) species of scaphopoda; Earlier studies on the golfer manner partaning to the molluscan diversity revealed occurrence of 450 species of gastropods and 150 species of bivalvia. Satyamurti (1952) further study recorded 100 species of gastropod and 158 species of bivalvia in the gulf of region, Nair and Rao (19740) were recorded on the commercial molluscans in India. The molluscs are includes seven classes. Jayaseeli and Murugon (2003) were recorded and identified 77 species of o f bivalvia on Tucitian coast, while D.Annadural (2006) were recorded 115 species of Gastropod belonging to single sub-class and three (3) orders and 44 genera, Sharma et.al. (2010) were recorded total 16 species of molluscan’s from the Omkareshwar region out of which 9 belonged to pelecypoda and 7 to Gastropoda.

Phylum Arthropoda is a largest group in the animal kingdom comprising more than 800000(8black) species and including crustaceans and insects such as prawn, crabs, shrimps, lobsters, water scorpion, water stick insects, and other related forms. There are about more than 73 species belonging to 20 genera and 5 families such as *Palaemon malconsonnil*, *P.kistnensis*, *P.rosenbergii*, and four species of crabs, *Barytelphusa gurini*, *B. cunicularis*, *Paratelphus macanni* and *Caradina nolotica*. These are economically important using as a good for human consumption as a diet.

The aquatic environment is an enormously rich resource that offers good base of food. Fishes form one of the most important groups of vertebrates influencing life in various ways. Fish play an important role as it is not only useful for food but also is used in recreation and biological control. Fish catches are mainly for human diet enriched by protein, fats and vitamins A.D. The phosphorous and other elements present in it give good taste and fats are economically important using as a good f ood basis.

Hence present investigation was under taken to study the biodiversity of the some aquatic animals (protozoans, molluscan’s Arthropods and fishes); from Koregaon Dam, Tq.- Omgera, Dist. Osmanabad. This dam is one of the minor irrigation projects in Osmanabad District constricted in 1992 located on 17°10’ 51” 30’ North latitude and 76° 38’ - 00’ East longitude of Tahasil Omarga, Dist. Osmanabad. With a Length in of 577.00 mts and 11.95 mts height and having storage capacity about 4.612mm². It a natural dam and with large source of aquatic animals. This dam is also used or contracted for irrigation and drinking purpose and about more than 07 villages are beneficial under canal irrigation and domestic etc.

MATERIALS AND METHODS

The aquatic animals were collected from the Koregaon Dam with the help of local fisher man by using different types of nets and also with help of hand, after noting down color and other morphological features. These animals were clean with clean warm water to remove stem of micro-organisms and blood strain. The animals were preserved in 4% and 5% formal solution for further study and systematic identification of animals was done with the help of standard literature. The various aquatic animals and fishes were identified with the help of following key of Ward and Whipple (1959), Khanna and Govindaswamy (1995) .Identification of Arthropods and protozoan’s was done by using standard tests and keys Edmondson (1959). The mollusca were identified with the help of key given by earlier research workers Bhatt (1959). The fishes were identified up to the species level with help of Hamilton (1822), Day (1878), Jayaram (1981), Talwar and Jhingran (1988), Khanna(1992) .
RESULTS AND DISCUSSION
The distributions of aquatic animals are quite variable because of geographical and geological condition of water body. The aquatic ecosystem is an important and having large number of aquatic animals which are economically important including protozoan’s; Molluscan’s crustances, insects and fishes. The present results has confirmed the occurrence of protozoan’s with (1) species belongs to 1 order and 1 genera; Molluscan’s with 3 species belongs to 3 orders and 3 genera; Arthropods with 7 species belonging to 4 orders and 6 genera; while 23 species of fishes belonging to 7 orders and 17 genera. The order cypriniformes was dominant with 12 species followed by order channiformers with 3 species and orders clupeiformes; siluriformes and order Perciformes each with 2 species while orders mugiliformes and mastacembeliformes each with only one (1) species, during the Jan. 2013 to Dec. 2013 (Check List :1,2,3 and 4). The results shows with rich biodiversity of aquatic animals including; Prawns; Crabs; other crustaceans; insects; Gastropods; Bivalvia and fishes.

Phylum – Protozoa.
   Sub-Phylum – Ciliophora.
   Supper Class – Ciliate.
   Class – Ciliata.
   Sub – Class – Holotrichaea.
   Order – Hymenostomatids.
   Genus – Paramecium.
   Specie – caudatum.

Phylum – Mollusca.
   Class – Gastropod.
   Sub-Class – Prosobernehiata.
   Order – Penctinibranchiata.
   Genus – Pila
   Species – globosa

Subclass –Euthyneura
   Order - Pulmonata
   Genus – Lymanea (Fresh Water Snail)
   Species-limnaea.

Class – Pelecypoda (Bivalvia )
   Order – Eulamellibranchiata.
   Genus – Lanellidens
   Species – marginalis.

Phylum – Arthropod
   Sub- Phylum – Mandibulata.
   Class – Crustacea.
   Sub – Class – Malacostraca.
   Order – Mysidacea.
   Genus – Mysis.

Order – Decopoda.
   Genus – Palaemon
   Species – Malcolmsoni, rosenbergii
   Genus - Barytelphusa
   Species – guerini, cunicularis.

Order – Nebaliacia
   Genus – Nebalia

Class – Insecta (Hexupoda).
   Sub- Class Pterygata.
   Order – Hemiptera.

Phylum – Chordate.
- Sub – Phylum – Gnathostomata.
- Supper – Class – Pisces
- Class – Teleostomii
- Order – Clupeiformes.
- Genus – Notopterus
  Species – notopterus; chitala
- Order – Cypriniformes
  Genus – Catla.
  Species – catla.
- Genus – Labeo
  Species- rohita and bata
- Genus – Cirrhina
  Species – mrigala and reba
- Genus – Cyprinus
  Species – carpio
- Genus – Chela
  Species – phulo
- Genus – Resbore
  Species – daniconus
- Genus – Puntius
  Species – ticto and sarana
- Genus – Clarias
  Species – batrachus
- Genus – Nemacheilus
  Species – boiita
- Order - Siluriformers
  Genus – Mystus
  Species – Seenghala
  Genus – Wallago
  Species – attu
- Order – Perciformes
  Genus – Glossogobius
  Species – giuris
  Genus – Ambassis
  Species – nema
- Order – Channiformer
  Genus – Channa
  Species – muralius; gachua, striatus
- Order – Mugiliformer
  Genus – Mugil
  Species – corsula
- Order – Mastacembeliformes.
  Genus – Mastacembelus.
  Species – armatus

The study and survey of aquatic fauna of an aquatic water body is useful for planning of fish development for fish and other fishery culture. These species of aquatic animals were shows variations during different seasons of the year. The large number of protozoan’s crustaceans and insects including Palaemon species, shrimps; Mysis; crab Barytelphesa...
species was recorded, during monsoon rain season and also constant recorded through year but not in November month while mollusans; and fishes was recorded throughout the year but maximum after monsoon season. The molluscan species like snails; Pila globosa species was recorded largely during monsoon Month and few in winter and summer months while freshwater mussels or Lamellidens marginalis or unio was recorded maximum winter and summer months and less in monsoon months. Satyamurti (1952) were recorded molluscan diversity revealed the occurrence of 450 species of gastropods and 156 species of Bivalvia. Devaraj (1998) were recorded 100 species of Gastropods and 158 species of Bivalvia from Gulf of Manner Marine Biosphere while Batt (1959) were reported 59 species of Gastropods and 31 species of Bivalvia Jayaseeli and Murugan 2003 were recorded 77 species of Bivalvia from Tuticorine Coast. D. Annadurai (2006) were recorded 115 species of Gastropods from Gulf of manner Biospher Tamilnadu Sharma et.al. (2010) were reported a total. 16 species of mollusean’s from Omkareshwar region out of which of belonged to pelecypoda and 7 to gastropod from Narmada River, Madhya Pradesh.

Fishes are one of the most important groups of vertebrates influencing his life in various way and comprise the true bony fishes. The recorded fish species from Koregaon dam was largely during summer than winter and monsoon months. This work is supported by large number of research authors. The survey of fish fauna has been done by number of workers Central Inland Capture Fisheries Research institute (1997) was reported presence of 49 species belonging to 30 genera and 12 families in Bhatgher reservoir and institute also recorded 44 endemic and 7 introduced fish species in Alayer reservoir. Kumar (1990) were reported 51 species from Govindasagar reservoir; Himachal Pradesh. Singh (2001) reported a total of 27 fish species belonging to six families in pong reservoir of Himachal Pradesh. Pawar et.al (2003) was recorded 11 species from shizur dam. Sakhare and Joshi (2003) were reported 34 species from parbhani reservoir. Kamble et.al. (2006) were recorded 27 species from the river Manjra, Kallam.

Tijare and Thosar (2008) were recorded 32 Species belonging to 25 genera under 13 families and 7 order from three representative (Bohali; Gadchiroli and Murkhal) lakes. Rathod et. al. (2008) was reported 12 fish species from 12 different genera of 3 orders and 6 families from class teleost from the Umra (Shamsudin) reservoir. Ashashree (2008) were recorded 18 species of fishes under 7 orders and 9 families. The order cypriniformes was dominant with 11 species from Savalanga pond Davangere Distrid Karnataka. Jayabhaye and Khedkar (2008) were reported a total of 25 fish species belonging to 14 genera, 8 families and 6 orders from the Sawana Dam Hingoli, (M.S.). The order Oyripiniformes was dominant with 15 species followed by order siluriformes with three species, while the orders like Clauudiformes and pericormises were represented by two species each and the order Mastacembeliformes by single species from Sawana dam, Hingoli (M.S.). Srikanth et.al. (2009) were reported 31 fish species belonging to 6 orders; 23 genera of 14 families; from Rammappa Lake; Warangal Dist. Andhra Pradesh. Kamble and Kamble (2009) were confirmed the occurrence of Molluscan’s with 3 species belonging to 2 orders and 3 genera; crustaceans 5 species belongs to 2 orders and three genera while 26 fish species belonging to 7 orders 17 genera and 9 families. The order cypriniformes was dominant with 12 species followed by order channiformes with 4 species and siluriformes with 3 species and orders like clupeiformes; perciformes and mastacembeli forms each with two species while order mugiliformes with single (1) species, during March. 2008 to Feb. 2009 from Ruti reservoir near Ashiti, Dist.Beed. Archana Sharma and Devendra Mohan (2010) were reported 14 fish species belonging to 4 orders and 5 families. The most dominating order cypriniformes with 10 species of fish and order siluriformes with two species, while osteoglosiformes and perciformes were represented by one species each from Hemawas dam pali. Rajasthan during Dec-2006 to June-2009.

REFERENCES


