

Species wise composition of some food fishes

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Abstract

Species wise composition of some food fishes in Nanak sagar reservoir has been studied for two year 2008- 2009.The catch of fishes species fluctuated between 1142.0kg an 4% to 6898.0kg and 28% and the total number of fishes fluctuated between 501.0kg and 2%to 3940.0kg an 20%in the year 2008 while in the second year 2009 the catch species fluctuated between 95.0kg and 4% to 8142.0kg and 30% and total number of species fluctuated between 532.0kg and 4% to 3630.0kg and 29%in reservoir.

Keywords: Nanak Sagar Reservoir, Composition of food fishes, Contractor and Random Sampling

INTRODUCTION

In India, there are about 60,000 water bodies' reservoir, pond, lakes, and other having about having about 3.0 million ha water spread area .The importance of hydrobiological studied on Indian water is now being felt and given place in fisheries science because of the fast rte of indiscriminate exploitation of fresh water resources. Some resent studied on fishes and fishery of various parts of India are by Shoo et.al (2003); Ganeshwade et.al (2005) Pathani and Joshi (2007) Joshi (2011).

MATERIAL METHOD

In the present study fish specimens were obtained from contractor preserved in 5% formalin and identified in the Zoology laboratory, Govt.P.G college Berinag (Day1889, Jhingran 1991,Talwar and Jhingran 1991,Jayaram1999,Jayaram2003).Total Catch, fish population data has been obtained from contractor and random sampling was also done Identification with the help of fin formula was also done.

RESULT AND DISCUSSION

Species wise composition of some food fishes in the Nanak Sagar reservoir has been studied for two Years 2008-2009.

The maximum catch was 6896.0kg and 28% that is of *Gudusia chapra* and minimum catch was 1142.0kg and 4%that was of *Mystus tengra* while the maximum number was of *Chanda ranga* 394.0kg and 20% and the minimum number was of *Mystus tengra* 501.0kg and 2%in the first year 2008(table1).The maximum catch was 8142.0kg and 30%of *Gudusia chapra* and the minimum catch was of 950.0kg and 4%of *Catla catla* while the maximum catch was 3630.0kg and 29%is of *Gudusia chapra* and minimum catch is

of 532.0kg and 4% of *Catla catla* in the second year 2009.

The gill nets were most effective gear in the first year (2008) while cast net most effective gear in the second year (2009) in term of fish landing in Nanak sagar reservoir.

The data obtained from fisheries department of Uttaranchal Govt. regarding species wise landing in the Nanak sagar reservoir are interesting. The lading of weed fish *Gudusia chapra* has been ranked first in both years (2008-2009) in the reservoir. The species of *Labeo gonius* and *Nandus nandus* ranked second in total fish catch in the water. It has also been recorded that Indian major carps are decline in the reservoir.

Table 1. Species wise composition of some food fishes in Nanak sagar reservoir during 2008-2009.

Fishes	2008				2009			
	kg	%	no	%	kg	%	no	%
<i>Gudusia chapra</i>	6898	28	1820	9	8142	30	3630	29
<i>L.gonius</i>	1525	6	820	4	5730	21	1320	10
<i>Mystus tengra</i>	1142	4	501	2	2303	9	940	7
<i>Cirrhinus mrigala</i>	1221	5	574	3	1650	6	1222	9
<i>Cirrhinus reba</i>	1385	6	7450	37	1270	5	780	6
<i>Labeo rohita</i>	2270	9	820	4	1117	4	585	4
<i>Heterophnestus fossilis</i>	2440	9	912	6	1325	5	1321	10
<i>Nandus nandus</i>	4128	16	1425	7	1675	6	1715	13
<i>Chanda ranga</i>	1850	7	3940	20	2580	10	1032	18
<i>Catla catla</i>	2832	11	1820	9	950	4	532	4

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