Landing centers and availability of fish species in fish markets of Mymensingh town

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Abstract

An investigation was carried out on fish landing centers, fish markets and fish fauna of the Mymensingh town to overview the location of the fish landing/entering centers, the source of supply and availability of fisheries organisms in Mymensingh town. The investigation was conducted from October 2009 to September 2010 in sixteen landing centers and markets of Mymensingh town. Among a total of 122 species of fishes were available of which, 113 were finfish and 9 were shellfish. Out of 113 finfish, 85 were freshwater fish species, 14 were exotic species, 14 were marine species, 7 were prawn /shrimps and 2 were mud crab and tortoise. Different types of freshwater fish, marine fish, crustacean and dry fish were found in Mymensingh town. The most abundant freshwater fish species were Catla catla, Labeo rohita, Clarias batrachus, Cirrhinus cirrhosus, Channa punctatus. Among the marine fishes Lates calcarifer, Euthynnus affinis and Mugil cephalus were recorded. The shellfishes, Macrobrachium rosenbergii and Penaeus monodon were most abundant. Significant amount of carps were imported from inside and outside of the districts. Besides the carps, small quantities of other fish, e.g., hilsha, catfish, tilapia, small indigenous fish, prawn and shrimp and other fish including marine can be seen in the fish landing centers and fish markets in Mymensingh town. Trains, buses, trucks and pickups were used as transport of fish to the landing centers from outside of Mymensingh town. Virtually most of the fish (84.6 %) were brought from different areas of the district and adjacent district like Netrokona, Jamalpur, Gazipur and Kishoreganj. The rest (15.4 %) were brought from external source in Mechhua bazar, Natun bazar, Sankipara bazar, Charpara bazar and Kathgola bazar. Main source of the fishes were different ponds, haors, beels and rivers of Mymensingh and adjacent districts.

Keywords: Landing centers, Fish markets, Fish species, Mymensingh town

Introduction

Mymensingh is the biggest town of greater Mymensingh. A number of fish markets and fish landing centers are situated around the town. Fishes from different localities are regularly coming to the town through different transport systems for consumption of the town dwellers and other people. Some marine fishes and prawns are also regularly landing in this town. Information on these aspects of Mymensingh town is scarce. Therefore, it is essential to know the landing or entering of fish and availability of species in Mymensingh town.

The inland aquatic habitats of Bangladesh are rich in faunal diversity containing at least 265 species of finfish, 63 species of prawn, and several species of turtles, tortoises, freshwater mussels and other living aquatic organisms (Rahman, 2005). Bangladesh is also rich in marine fishes having 475 marine finfish species (DoF, 2001). As Mymensingh town is the biggest market of fishes for the consumers, almost all varieties of fishes, both inland (fresh and brackish) and marine water fish species are available in the fish landing centers of Mymensigh town coming from different areas of the country.

Fish landing center is the place where different types of fresh and fisheries commodities are accumulated from different sources of water bodies, such as river, beel, pond, gher, estuaries and sea, and these fishes are transferred from here to local markets via different intermediaries and channels (Ali *et al.*, 2004). Fish landing center plays a vital role in quick and smooth disposal of fresh fish and in this regard the fish landing centers of Mymensingh town may be the point of observation to survey the availability of fish species.

Mymensingh region is recognized as the fisheries zone of our country. Many varieties of fish species are available in the fish landing centers of Mymensingh town. Both inland and marine fish species are found in the landing centers of Mymensingh town. But up to now no work has been done on this aspect of this town. The present work was therefore undertaken to know the availability of species in fish landing centers and markets which give a rough knowledge about fish fauna available in this region. It also helps to show the real picture of species abundance of an area and to take the necessary measures if required.

Materials and Methods

Selection of the study area

There are many markets in and around Mymensingh town among which 16 fish markets and five important fish landing centers were selected for this study. The study area includes Mymensingh town among them; Mechhua bazar, Natun bazar, Sankipara bazar, Charpara bazar, Kathgula bazar, Railway market, Bow bazar, Gudara-ghat, Kashor, Pourasova market, Keshtapur, Kachijhuli fish market and K.R. market, Shesmor, Sutiakhali and Keyotkhali fish market of BAU area.

Landing centers studied

Almost all of the fish landing centers in the study area were surveyed. Although some fish are landed in all the markets still five landing centers are identified in main town such as Mechhua bazar fish landing center, Sankipara bazar, Natun Bazar, Charpara bazar and Kathgula bazar in Mymensigh.

Selection of samples

Total sample size of the study was 120 of which 80 were fish traders, 15 Aratder and 25 were fish farmer. The traders dealing with fish trading were categorized into three groups, namely Bepari, Aratdar and Retailer.

Preparation of interview schedules

Three different types of interview schedules had been carefully prepared (one for Retailer and two for Aratdar and Bepari).

Period of data collection

For the study the data were collected during the months of October 2009 to September 2010.

Visit of landing center and market and collection of data

Several visits were made in each of the landing centers and fish markets of Mymensingh town. As the supply of the fishes varied with seasons collection of data were made in different seasons *i.e.* throughout the year by repeated visits in the landing centers and markets.

Target group

Fish traders (retailers): For questionnaire survey 80 fish traders were selected from these markets. Interviews were conducted at times convenient to the traders (retailer) at the market.

Fish traders (Aratdar): Aratdars were the biggest fish traders in the marketing channel but were limited in number.

Questionnaire survey and focus group discussion (FGD): For questionnaire interviews, simple random sampling method was followed for 2 aratders and 3 retailers in each study sites per survey.

Results and Discussion

Fish landing center plays a vital role in quick and smooth disposal of fresh fish and in this regard the fish landing centers of Mymensingh town may be the point of observation to survey the status of fish, source of fish and dry fish availability. There are 19 fish markets in Mymensingh town. Among them 16 fish markets and five important fish landing center were visited. A good number of freshwater (99) fish species, marine (14) fish species were available to Mymensingh town from different places of the country. However, freshwater fishes were mainly coming from different types of water bodies (river, haor, beel, pond etc.) of greater Mymensingh, marine fishes were coming from Chittagong and Cox's Bazar. List of freshwater, marine and dried fishes with their sources of supply are presented in Table 1, 2, 3.

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Table 1. List of freshwater fish and sources of supply observed in the fish landing centers of Mymensingh town during October 2009 to September 2010

Fish Landing centers and	Freshwater fish	Sources of freshwater fish in markets
fish markets		
Mechhua bazar fish	Baim, Guchi Baim, Muni,	Sadar Upazila, Trisal, Sutiakhali, Bhaluka,
landing center	Khalisha/Khailsha,	Muktagachha (Satatorasi bazar), Phulpur, Fulbaria,
landing center	Koi.	Churkhai, Netrokona, Gouripur, Mohangani,
Natun bazar fish landing	Ek Thota.	Purbadhala, Khaliajuri,
center	Bheda/Meni,	, ,
Ceriter	*	Durgapur, Kendua, Kolmakanda, Barhatta, Atpara,
Cauldinava hazav fiah	Chanda, Shol, Gajar/	Kishoreganj, Bhairab (Kuliarchar),
Sankipara bazar fish	Gajal, Taki / Lata, Telo	Tarail, Khulna, Satkhira, Dhaka, Jatrabari, Gajipur,
landing center	taki / Cheng, Ragha,	Jamalpur, Jhinedah, Chittagong, Jessore, Bogra and
	Kaikka, Shing, Magur,	also from India and Myanmar.
Charpara fish landing	Pangas, Thai pangas,	River
center	Gharua, Poa,	Old Brahmaputra, Jhunai, Aiman, Gharata Nadi, Sutia,
	Kajuli, Bacha, Ghaura,	Narasunda, Bothi, Nitai, Haf Mora, Kongsho, Jaira
Railway fish market	Tengra, Golsha tengra,	River, Khaira river, Silai, Kharmeni. Rangshagang,
	Bujuri-tengra, Ayre,	Gangina, Dhala, Mogra, Teorkhali, Jumuna, Khiru,
Kashar fish market	Rita, Gutum, Gutum	Nageshwari, Banar, Bajua.Piyain, Shomeshwari,
	Puiya, Rani, Rui, Catla,	Kachamathia, Pankura, Mahadeva, Dhanu,Baulai,
Keyotkhali fish market	Mrigal, Bhangon bata,	Shirkhali, Chellakhali, Bhugi.
	Sarpunti, Chola punti,	Beel
Seshmor fish	Chalapunti, Tit punti,	Forfora Beel, Koray Beel, Rajdhola Beel, Sagar Dighi
Market	Jat punti, Mola punti,	Beel, Chechra Beel, Sanni Beel, Dubachechua Beel,
	Bashpata, Mola, Dhela,	Charia Beel, Kailine Beel, Sinnibeel, Dolai Beel, Chora
Bow bazar	Khoira, Dankina, Fulchela,	Beel, Borbila Beel.
	Chela.	Haor
Pourasova market	Elong, Chital, Foli,	Kolimar, Habibpur Haor, Maker Haor, Makalkandi Haor,
	Chapila, Ilish, Chandana	Etna Haor, Kawadighi Haor, Khaliajhuri Haor, Sonir
Kachijhuli market	ilish, Choukka, Kachki,	Haor, Oail Haor, Alir Haor, Kanglar Haor, Balai Haor,
	Potka, Bao Baim,	Banka Haor, Maker Haor, Ghulduba Haor, Matia Haor,
K.R. market	Tapa, Baghair etc.	Dubriar Haor, Chayer Haor.
N.N. HIGHOU	rapa, bagnan etc.	Dublial Flaor, Oliayof Flaor.

Table 2. List of marine water fish and sources of supply observed in the fish landing centers of Mymensingh town during October 2009 to September 2010

Fish landing centers and fish markets	Marine fish	Sources of marine fish
Mechhua bazar fish landing center Natun bazar fish landing center Sankipara bazar fish landing center Charpara bazar fish landing center Railway fish market Keyotkhali fish market K.R. market	Loitta, Phasa, Chhuri, Bhetki, Lakhua, Lal poa, Foli chanda, Tuna, Poa, Chandana ilisha, Rup chanda	Cox's Bazar, Chittagong, Khulna, Potuakhali, Moheskhali, Satkhira, Dhaka

Table 3. List of freshwater and marine dry fish and their sources of supply observed in the fish landing centers of Mymensingh town during October 2009 to September 2010

Fish landing centers and fish markets	Freshwater dry fish	Marine water dry fish	Sources of dry fish
Mechhua bazar fish landing center	Lata, Cheng, Ragha,	Chhri, Poa,	Mymensingh Mechhua
	Kaikka, Shing,	Rup chanda,	bazar, Kalibari,
Natun bazar fish landing center	Magur, Pangas, Thai	Cheowa,	Kashiganj, Daponia,
	pangas, Gharua,	Tak chanda, Olua,	Charvabanipur,
Sankipara bazar fish landing center	Kajuli, Sarputi,	Megha olua, Phasa,	Tarakanda,
	Jatputi, Titputi,	Bhetki,	Shambhuganj bazaar,
Charpara bazar fish landing center	Goina, Dhela,	Kamila, Bhangon,	Muktagachha, Jamalpur,
	Kalibaus, Foli,	Loitta, Tuna	Faridpur,
Railway fish market	Bheda, Shol,		Syedpur,
	Chanda, Ranga		Cox,s Bazar, Potuakhali,
Kashor fish market	chanda, Chapila,		Khulna,
	Gura tengra, Chela,		Satkhira, Chittagong.
Keyotkhali fish market	Bashpata, Bacha, ,		
	Gharua, Pabda,		
Poursova fish market	Boal, Madhupabda,		
	Boalipabda, Tengra,		
Gudaraghat fish market	Golsha tengra,		
	Bujuri tenra, Ayer,		
Sutiakhali bazar	Rita, Gutum, Puiya,		
KB	Rani, Rui, Catla,		
K.R. market fish market	Mola, Sarpunti,		
Kathanda haran	Jatputi, Titpunti		
Kathgula bazar			

A total of 122 species of fishes were found in the fish landing centers of Mymensingh of which 113 were fin fishes and 9 were shellfishes. Among fin fishes, 85 were freshwater fish species, 14 exotic species, 14 marine fish species and 7 were prawn and shrimp species, one crab and one pond tortoise species.

Out of 122 species of fin fishes, 50 species were abundant in winter, 31 species were abundant in summer and the rest were available throughout the year. The fin fish (122) fish species belonged to 43 families were available in the study sites. All the exotic species were freshwater fish species and they were found all the year round as they were being cultured by commercial fish farmers.

There were 9 shellfishes in the landing centers of Mymensingh town market. Shellfishes were found in most of the landing centers and fish market in Mymensingh town. Different types of freshwater fish species, marine fish, crustaceans and exotic fish species and their scientific names, family, common names and local names were presented in Table 4,5,6,7.

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Table 4. List of freshwater fish species available in different fish landing centers of Mymensingh town during October 2009 to September 2010

Family	Local Name	Common Name	Scientific Name	Seasonal abundance
1. Mastacembelidae	Tara baim	One stripe spiny eel/Lesser spiny eel	Macrognathus aculeatus	WN
	Guchi Baim	Striped spiny eel/ Barred spiny eel	Macrognathus pancalus	WN
	Baim, Sal baim	Tire-track spiny eel	Mastacembelus armatus	WN
2.Polynemidae	Muni/ Rishi	Paradise threadfin	Polynemus paradisesus	WN
3.Osphronemidae	Khalisha/Khailsha	Giant gourami	Colisa fasciatus	
•	Lal Khalisha	Red gourami	Colisa Ialia	
4.Anabantidae	Koi	Climbing perch	Anabas testudineus	TY
5.Hemirhamphidae	Ek Thuita Ek Thota	Wrestling halfbeak	Dermogenys pusillus	WN
6.Gobiidae	Bele	Tank goby	Glossogobius giuris	WN
0.Oobiidac	Dahuk	Walking goby	Scartelaos histophorus	SM
7.Nandidae	Bheda	Mud perch	Nandus nandus	SM
8.Sciaenidae	Poa	Pama	Otolithoides pama	SM
				WN
9.Ambassidae	Chanda	Elongate glass-perchlet	Chanda nama	
	Kata chanda	Himalayan glassy-perchlet	Chanda nama	SM
	Ranga chanda	Indian glassy fish	Parambassis ranga	WN
10.Synbrachidae	Kuicha	Kuchia	Monopterus cuchia	TY
11.Chnnidae	Shol	Striped or banded snakehead	Channa striatus	SM
	Gajar/ Gajal	Giant snakehead	Channa marulius	SM
	Taki, Lata	Spotted snakehead	Channa punctatus	SM
	Telo taki / Cheng	Asiatic snakehead	Channa orientalis	SM
	Ragha	Walking snakehead	Channa gachua	SM
12.Belonidae	Kaikka	Needle fish	Xenentodon cancila	WN
13.Heteropneustidae	Shing	Stinging catfish	Heteropneustes fossilis	SM
14.Clariidae	Magur	Air breathing catfish	Clarias batrachus	WN
15.Pangasidae	Pangas	Yellowtail catfish	Pangasius pangasius	TY
16.Schilbeidae	Gharua	Garu bacha	Clupisoma garua	WN
TO. COMMODICACO	Kajuli	Gangetic alilia	Ailia colia	WN
	Banspata	River catfish	Ailia punctata	WN
	Bacha	Bacha	Eutropiicthys vacha	WN
				WN
	Ghaura Batasi	Garua bacha Indian potasi	Clupisoma garua Pseudeutropius	WN
		·	atherinoides	
17.Siluridae	Pabda	Indian butter catfish/ pabo catfish	Ompok pabda	SM
	Boal	Freshwater shark	Wallaga attu	WN
	Madhupabda	Pabo catfish	Ompok pabo	SM
	Boali pabda	Butter catfish	Ompok bimaculatus	SM
18.Bagridae	Tengra	Striped dwart catfish	Mystus vittatus	WN
	Golsha tengra	Gangetic mystus	Mystus bleekeri	WN
	Bujuri-tengra	Tengra mystus	Mystus tengara	WN
	Ayre	Long-whiskered catfish	Sperata aor	WN
	Rita	Rita	Rita rita	WN
19.Cobitidae	Gutum	Cross fish	Lepidocephalichthys guntea	SM
	Gutum, Puiya	Annandalle loach	Lepidocephalichthys annandalei	SM
	Rani	Bengal loach	Botia dario	WN
20.Cyprinidae	Rui	Rohu	Labeo rohita	TY
zo.cypiiiiluae				TY
	Catla	Catla	Catla catla	
	Mrigel	Mrigal	Cirrhinus cirrhosus	TY
	Kalibaus	Black rohu	Labeo calbasu	TY
	Bhangon bata	Bata labeo	Labeo bata	SM
	Bhangna, Bata	Reba	Cirrhinus reba	SM
	Sarpunti	Olive barb	Puntius sarana	TY
	Chola punti	Swamp barb	Puntius chola	SM
	Ghora chela		Securicula gora	SM
	Tit punti	Ticto barb	Puntius ticto	SM
		In	Divinition and and	CNA
	Jat punti	Pool barb	Puntius sophore	SM

Table 4. Contd.

Family	Local Name	Common Name	Scientific Name	Seasonal abundance
	Bashpata		Devario devario	WN
	Bhangon	Boga labeo	Labeo boga	SM
	Mola	Mola carplet	Amblypharyngodon mola	SM
	Mola	Indian carplet	Amblypharyngodon microlepis	SM
	Dhela	Cotio	Rohtee cotio	WN
	Khoira	Indian grass barb	Chela laubuca	WN
	Tatkini	Kala bata	Crosocheilus latius	TY
	Dankina	Rasbora	Rasbora rasbora	WN
	Fulchela	Finescale Razorbelly minnow	Salmostoma phulo	WN
	Chela	Silver razorbelly minnow	Salmostoma bacaila	SM
	Elong	Bengala barb	Bengala elanga	WN
	Chebli	Gaint danio	Devario aequipinnatus	WN
	Teri punti	Onespot barb	Puntius terio	WN
	Ghonia	Boggut labeo	Labeo boggut	WN
21.Notopteridae	Chital	Humped featherback	Notopterus chitala	WN
	Foli	Grey featherback	Notopterus notopterus	WN
22.Engraulidae	Phasa	Gangetic hairfin anchovy	Setipinna phasa	WN
	Chapila	Indian river shad	Gudusia chapra	WN
23.Clupeidae	llish	Hilshad	Tenualosa ilisha	SM
	Choukka	Indian pellona	Pellona ditchela	WN
	Chandana ilish	Toil shad	Hilsa toli	SM
	Kachki	Ganga river	Corica saborna	WN
24.Tetraodontidae	Тера	Gangetic puffer fish	Chelonodon patoca	TY
25.Mugilidae	Khorsula	Corsula mullet	Rhinomugil corsula	WN
26.Anguillidae	Bao Baim	Giant Mottled eel	Anguilla bengalensis	WN
27.Tetraodontidae	Potka	Green pufferfish	Tetraodon fluviatilis	WN
28. Syngnathidae	Kumirer Khil	Crocodile- tooth pipefish	Microphis cuncalus	WN
29. Ophichthidae	Kharu	Rice-parry eel	Pisodonophis cancrivorus	SM
30. Sisoridae	Baghair	Devil catfish	Bagarius bagarius	WN

SM= summer, WN= winter, TY= throughout the year

Table 5. List of marine fish species observed in the fish landing centers of Mymensingh town during October 2009 to September 2010

Family	Local Name	English Name	Scientific Name	Seasonal
-				abundance
1.Centropomidae	Bhetki	Bhetki	Lates calcarifer	TY
2. Tunnidae	Tuna	Born maittya	Euthynnus affinis	WN
Harpadontidae	Loitta/ Nehari	Bombay duck	Harpadon nehereus	WN
4. Sciaenidae	Poa	Pama	Pama pama	WN
	Vola/ Lal poa	Silver jew	Johnius argentatus	TY
	Sada poa	Silver jew	Otolithes argentatus	TY
Polynemidae	Lakhua	Indian threadfin	Leptomelanosoma indicus	WN
	Lakhua	Indian salmon	Polynemus indicum	WN
6. Mugilidae	Bhangan	Mullet	Mugil cephalus	SM
7. Trichiuridae	Chhuri	Ribbon fish	Lepturacanthus savala	TY
Scatophagidae	Chitra	Spotted butterish	Scatophagus argus	TY
9. Stromatidae	Rup chanda	Chinese pomfret	Pampus chinensis	TY
	Foli chanda	Silver pomfiret	Pampus argenteus	WN
10. Engraulidae	Phasa	Hairpin anchovy	Setipinna taty	SM

SM= summer, WN= winter, TY= throughout the year.

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Table 6. List of Crustaceans and reptile observed in the fish landing centers of Mymensingh town during October 2009 and September 2010

Family	Local Name	English Name	ame Scientific Name	
				abundance
1. Palaemonidae	Golda chingri	Fresh water prawn	Macrobrachium rosenbergii	TY
	Chatka chingri	Monsoon river prawn	Macrobrachium malcolmsonii	TY
	Golda chingri	River prawn	Macrobrachium rude	TY
	Gura chingri	Spider prawn	Nematopalaernon tenuipes	TY
2. Penaeidae	Bagda chingri	Giant tiger shrimp	Penaeus monodon	TY
	Chaka chingri	Indian white shrimp	Penaeus indicus	TY
	Horina chingri	Brown shrimp	Metapenaeus monoceros	TY
3. Portunidae	Shela kakra	Mud crab	Scylla serrata	TY
*4. Bataguridae	Pond tortoise	Kasim	Melanochelys trijuga	TY

^{*} Reptile, TY= throughout the year.

Table 7. List of exotic fish species observed in the fish landing centers of Mymensingh town during October 2009 to September 2010

Family	Local Name	Common Name	Scientific Name	Seasonal abundance
1.Cyprinidae	Mirror carp	Mirror carp	Cyprinus carpio var speculararis	TY
	Scale carp	Scale carp	Cyprinus carpio var nudus	TY
	Carpu	Common carp	Cyprinus carpio var communis	TY
	Silver carp	Silver carp	Hypophthalmichthys molitrix	TY
	Bighead carp	Bighead carp	Aristichthys nobilis	TY
	Black carp	Black carp	Mylopharyngodon piceus	TY
	Rajputi/ thai sarputi	Silver barb	Barbonymus gonionotus	TY
	Grass carp	Grass carp	Ctenopharyngodon idella	TY
2. Clariidae	African catfish	North African catfish	Clarias gariepinus	TY
3.Pangasiidae	Thai pungus	Big-catfish	Pangasius hypophthalmus	TY
4.Cichlidae	Tilapia	Mozambique tilapia	Oreochromis mossambicus	TY
	Nilotica	Nile cichlid	Oreochromis niloticus	TY
	GIFT	Nile tilapia	Oreochromis niloticus	TY
5.Characidae	Red bellied piranha	Red piranha	Pygocentrus natteri	TY

TY= throughout the year.

From the observation of availability of fishes in different landing centers/markets, it was found that 84.6% of the total fish were transported to Mymensingh town from Mymensingh region and other 15.4% from outside of Mymensingh region. Sen (2008) Studied the fish marketing of Madaripur town and noted that 33.66% were carps and 29.33% were SIS and 95 species of fish imported from the rural areas. The fish composition in different fish markets is presented in Table 8.

Table 8. Market shares in main fish species in different fish markets of Mymensingh town during October to September 10

Sources of fish	Fish	Mechhua	Natun	Sankipara	Charpara	Kathgola	Avg.
in the markets		bazar (%)					
	Indian major carps	44	43	42	41	42	42.4
	Catfishes	13	14	11	13	16	13.4
Mymonoinah	Tilapia	5	6	6	5	7	5.8
Mymensingh region (84.6%)	SIS	9	6	8	5	10	7.6
region (64.6%)	Thai Koi	5	5	5	6	3	4.8
	Shrimp	2	5	2	2	4	3
	Others	7	5	11	9	6	7.6
Outside of Mymensingh (15.4%)	Hilsa	7	7	9	8	8	7.8
	Carps (Indian and exotic)	6	6	5	7	2	5.2
	Others (including marine fish)	2	4	1	4	1	2.4
	Total	100	100	100	100	100	100

From the study it has been observed that most of the fish (84.6 %) were brought from different areas of the districts and adjacent districts like Netrokona, Gazipur, Sherpur, Jamalpur, Kishoreganj and the rest (15.4 %) were brought from internal source in Mechhua bazar, Natun bazar, Sankipara bazar, Charpara bazar, Kathgola bazar, Railway market and then brought to Keyotkhali bazar, K.R market, Pourashova bazar, Shesmor bazar, Sutiakhali bazar and other fish markets. Main source of these fishes were different ponds, haors, beels and rivers of Mymensingh district and adjacent districts in Mymensingh. Hossain (2009) reported that 29% of fish supplied in the markets were carps, 28% SIS, 2% hilsa, 24% catfish, 4% prawn/ shrimp, 3% tilapia, 2% koi, and 8% others. About 90% of fishes have been transported from the rural areas of the district and adjacent district like Netrokona, Jamalpur and Krishoreganj the rest 10% comes from external sources in Mechhua bazar, Natun bazar, Railway market and Pourashova bazar. Whereas 100 % of the fish species are brought from different areas of the district and adjacent district in Keyotkhali bazar, K.R. market, Shesmor bazar, and Sutiakhali bazar. In this study a total of 113 fish species were found in the landing centers of Mymensingh town out of 260 freshwater fishes (Rahman, 2005). Chowdhury and Igubal (2007) carried out an investigation on the fish species availability in the fish landing centers of Dhaka. They observed a total of 98 inland and marine water fish and crustacean species and out of 98, 87 species belonged to fin fish. Among the finfish species, 52 were freshwater species.

Among the 14 species of marine fish species 6 species were found in winter, 2 species in summer and the rest 6 species all the year round. In case of winter season, fish supply was comparatively higher than the rest of the season because the sea remains calm in winter season (Ali *et al.*, 2004).

A total of 9 shellfishes were observed in the landing centers of Mymensingh town where as 11 shellfishes were observed in the landing centers of Dhaka city (Chowdhury and Iqubal 2007). All 14 exotic fishes were freshwater and were found all the year round as they were being cultured by commercial fish farmers. Bhuiyan (1964) identified 71species of fish from Dacca and Doha (1973) collected 106 species of freshwater fish from Tangail and Mymensingh. In view of fish biodiversity Mymensingh seems to be still rich in fish fauna because of available natural water resources in Mymensingh.

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