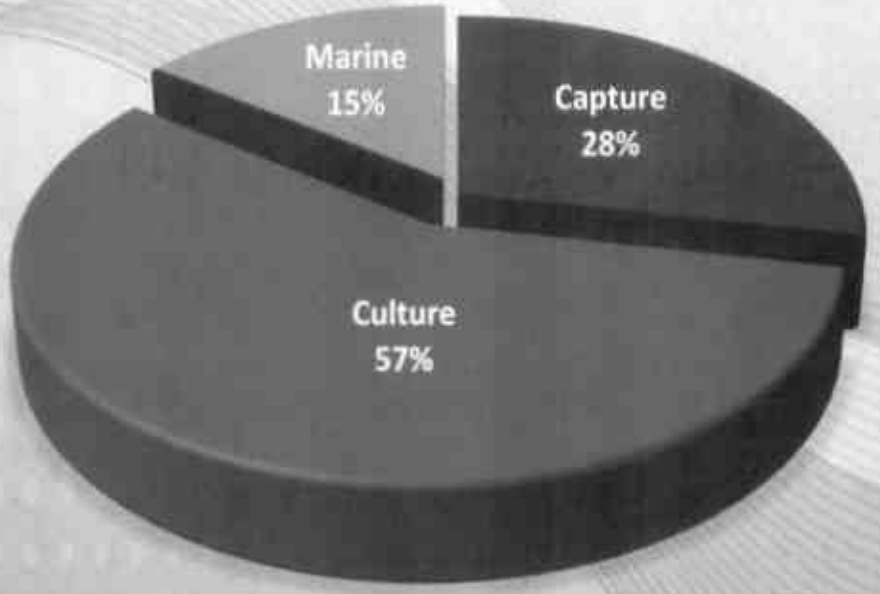
YEARBOOK OF
FISHERIES STATISTICS OF BANGLADESH
2020-21



Department of Fisheries
Ministry of Fisheries and Livestock
Government of the People's Republic of Bangladesh
www.fisheries.gov.bd

YEARBOOK OF
FISHERIES STATISTICS OF BANGLADESH
2020-21

Fisheries Resources Survey System
Department of Fisheries
Ministry of Fisheries and Livestock
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Yearbook of Fisheries Statistics of Bangladesh

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ABBREVIATIONS AND ACRONYMS

BBS	Bangladesh Bureau of Statistics
BFD	Bangladesh Forest Department
BFDC	Bangladesh Fisheries Development Corporation
BER	Bangladesh Economic Review
CEGIS	Center for Environment and Geographic Information Services
CWB	Cultured Water Body
DoF	Department of Fisheries
FAO	Food and Agriculture Organization
FRSS	Fisheries Resources Survey System
FY	Fiscal Year
GAP	Good Aquaculture Practice
GDP	Gross Domestic Product
GED	General Economic Division
GI	Geographical Indicator
GO	Government Organization
Ha	Hectare
HACCP	Hazard Analysis Critical Control Points
HFMAP	Hilsa Fisheries Management Action Plan
MoFL	Ministry of Fisheries and Livestock
MPA	Marine Protected Area
MT	Metric Ton
NFP	National Fisheries Policy
NFS	National Fisheries Strategy
NGO	Non-Governmental Organization
NOC	No Objection Certificate
Kg	Kilogram
PL	Post Larvae
SDGs	Sustainable Development Goals
SPARRSO	Space Research and Remote Sensing Organization

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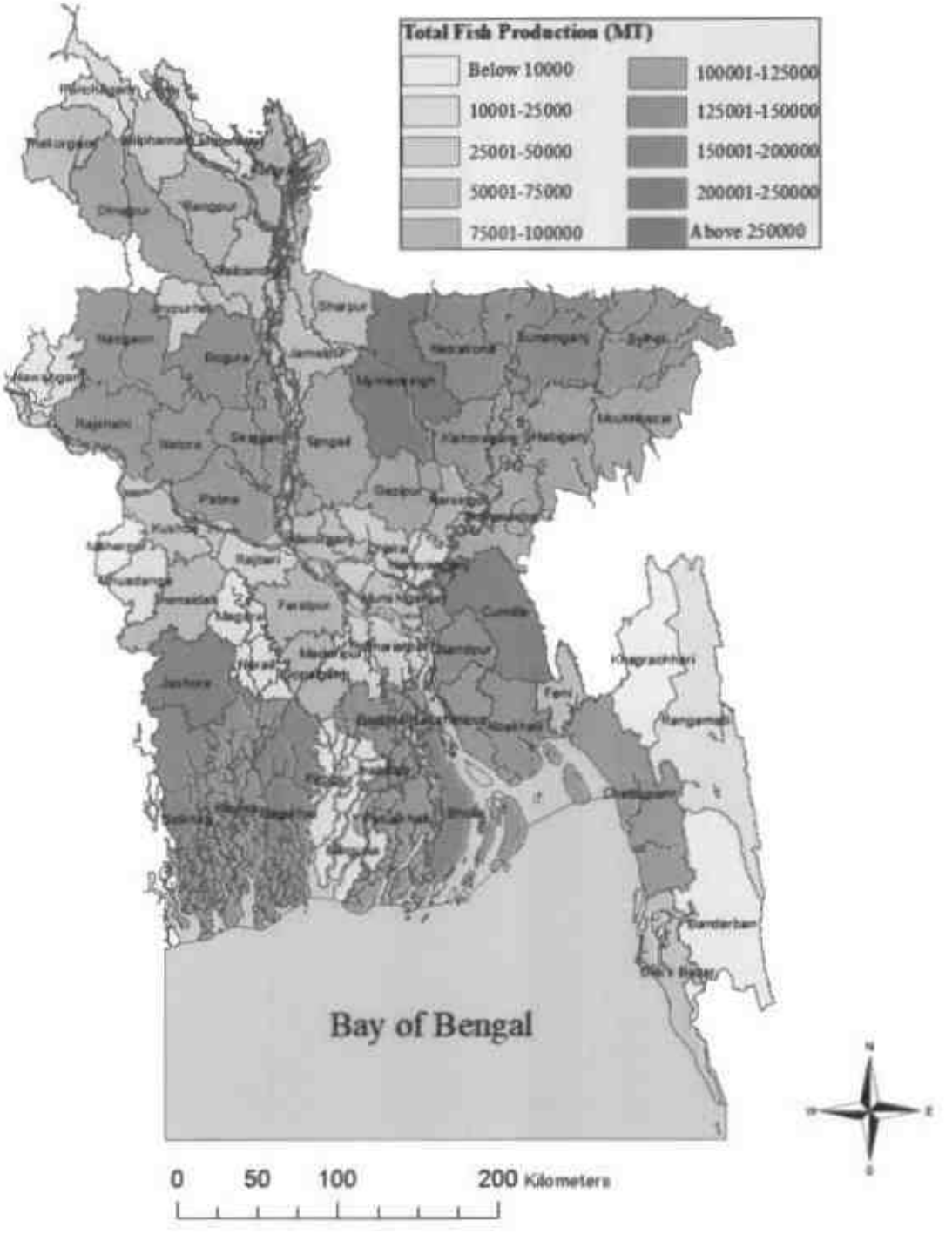
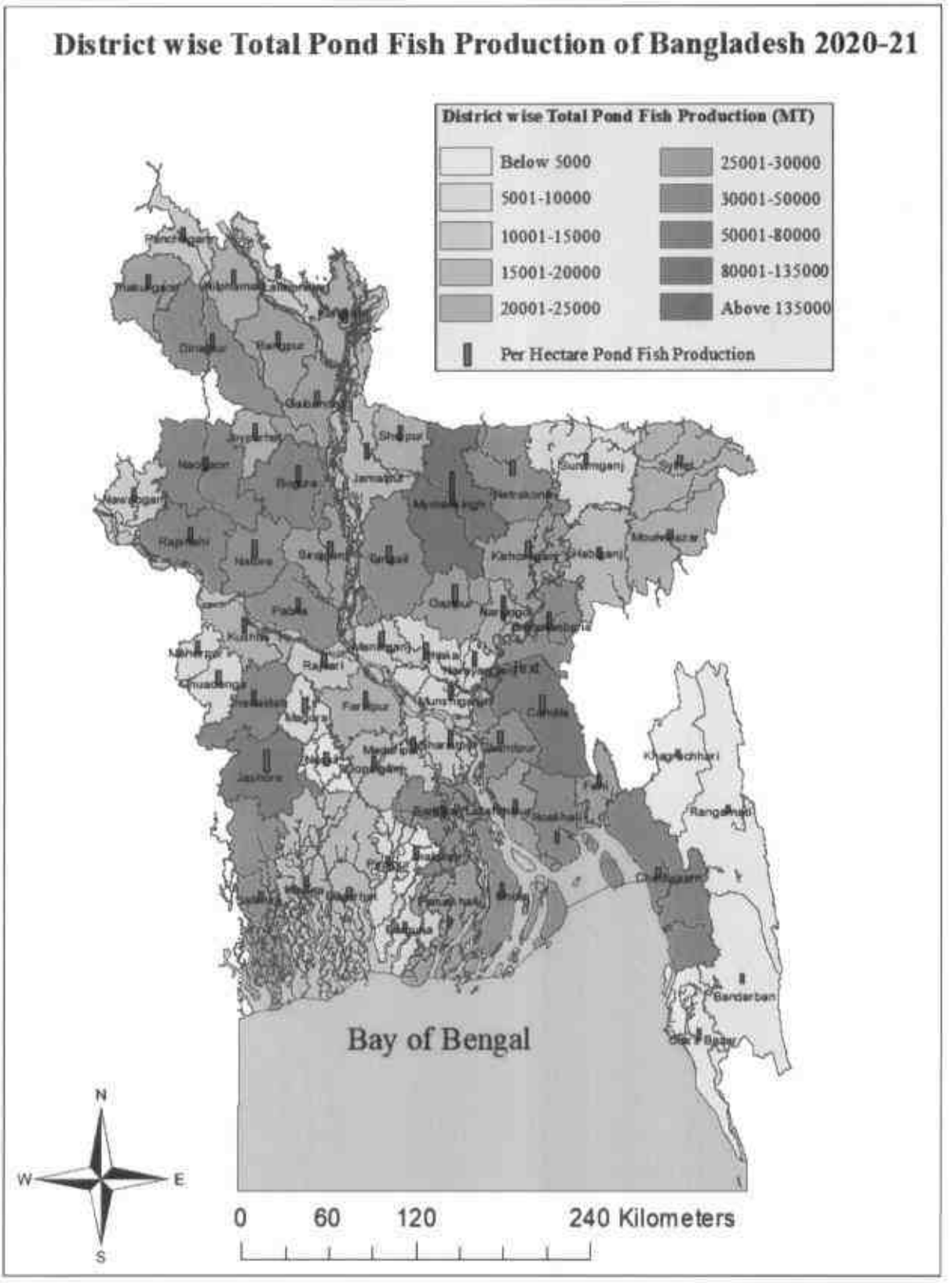


District wise Total Pond Fish Production of Bangladesh 2020-21



PREFACE

Bangladesh is one of the world's leading fish producing countries with a total production of 4.621 million MT in FY 2020-21. Through this remarkable achievement Bangladesh became a self-sufficient country in fish production providing 63 g of fish per person in daily dietary consumption. Inspite of Covid-19 pandemic situation, the growth performance of this sector seems quite consistent and encouraging. Government is trying to sustain this growth performance, aligned with government development plans and policies. The fisheries sector contributes 3.57 percent to the national GDP and more than one-fourth (26.50%) to the total agricultural GDP.

The **Yearbook of Fisheries Statistics of Bangladesh** is articulated to provide statistical information of diversified fisheries resources and their contributions in total fisheries production for the FY 2020-21. Realizing the due importance of fisheries data, best and sincere efforts have been given to furnish the latest and reliable information on different areas of fisheries production. This yearbook is used as a source of fisheries and aquaculture information for the planners, decision makers, researchers, feed-seed producers, processors/entrepreneurs and development partners who are intended for the sustainable development of the fast-growing fisheries sector of Bangladesh.

This 38th edition is a unique yearly publication of the Department of Fisheries, Bangladesh since FY 1983-84. Data accumulated in this publication has been collected following structured frame work-based regular field survey such as fish landing records, data from DoF field offices, reports of different projects of DoF and statistics of other concerned departments/agencies. The collected information has been presented in tabular form in a possible simplest way following standard data processing tools. The valuable feedback from concerned agencies and persons has been accounted during overall data processing.

Fisheries sector related organizations, notably Bangladesh Fisheries Development Corporation (BFDC) and Bangladesh Forest Department (BFD), have regularly provided valuable information of resource based fisheries production to enrich the publication. It gives us immense pleasure in expressing our heartfelt gratitude to them for their valuable contributions. It also gives us great satisfaction to extend our sincere and deep thankfulness to Bangladesh Bureau of Statistics (BBS) for extending cooperation and precised advice, and also for issuing no objection certificate (NOC) for authenticating the yearbook as official statistics under Statistics Act, 2013. I would like to convey my thanks to my colleagues who have rendered valuable suggestion for improvement of the yearbook.

Any comment and suggestion for further improvement of this publication will be highly appreciated.

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ACKNOWLEDGEMENT

In 2020-21 FY, the total fish production reached at 4.621 million MT, which exceeds the targeted fish production of 4.552 million MT. During the recent past years, the steady and sturdy growth performance in fisheries sector has helped to achieve this milestone. As one of the leading fish producing countries in the world, Bangladesh ranks 3rd in inland open water capture production, 5th in aquaculture production as stated in the FAO report **The State of World Fisheries and Aquaculture 2020**. Bangladesh also ranks 1st in global catch of hilsa shad, ilish (GI Product).

Bangladesh has achieved the visionary target of being middle income country in 2021 and is on right tract in achieving the SDGs goals under the guidance and dynamic leadership of the honorable Prime Minister Sheikh Hasina. The 'Vision 2041' has been adopted in line of 'Vision 2021' to provide impetus to the development dream of the nation. Where, reliable data generation is an integral part to visualize the development goals. In view of that, this yearbook has been prepared as a guide for the planners, decision makers, researchers and development partners who are intended for sustainable development of the fast-growing fisheries sector of Bangladesh. The **Yearbook of Fisheries Statistics of Bangladesh** is a regular publication of the Department of Fisheries and this is 38th annual publication.

I would like to express my heartfelt acknowledgement, deepest sense of gratitude and profound regards to respected Director General, Department of Fisheries for his scholastic guidance, empathetic supervision, valuable advice and constructive criticism in all phases of the data collection and preparation of this yearbook. Cordial thanks and gratitude are also given to all Divisional Deputy Director, District Fisheries Officer, Senior Upazila Fisheries Officer, Upazila Fisheries Officer and other field officials for their cooperation in providing data during data collection and processing for this publication.

Last but not the least, I would also like to express my cordial thanks and gratitude to all the members of the Editorial Committee and colleagues of DoF for their assistance and co-operation. Special thanks to Deputy Director, Rangpur Division, Rangpur and colleagues of Fisheries Resources Survey System (FRSS) of DoF for their untiring efforts throughout the data processing, validation and formulation of this valuable publication.

Any suggestion in written or oral for any improvement of this publication will be appreciated with due importance.

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KEY FINDINGS

Sectors of Fisheries	2020-21			2019-20			Production Increased (MT)	*Growth Rate (%)*
	Water Area (Ha)	Production (MT)	Productivity (Kg/Ha)	Water Area (Ha)	Production (MT)	Productivity (Kg/Ha)		
1	2	3	4	5	6	7	8	9
A. Inland Open Water (Capture)	**3860466**	**1301244**	**337**	**3866091**	**1248401**	**323**	**52843**	**4.23**
1. River and Estuary	853863	337051	395	853863	331793	389	5258	1.58
2. Sundarbans	177700	21544	121	177700	21007	118	537	2.56
3. Beel	114161	104871	919	114161	103104	903	1767	1.71
(a) Natural	98898	87228	882	99462	86140	866	1088	1.26
(b) Beel Nursery	15263	17643	1156	14699	16964	1154	679	4.00
4. Kaptai Lake	68800	12345	179	68800	12696	185	-351	-2.76
5. Floodplain	2645942	825433	312	2651567	779801	294	45632	5.85
(a) Subsistence Fisheries	2317175	671909	290	2317175	629615	272	42294	6.72
(b) Fry Released Program	77050	38454	499	82676	38406.7	465	47	0.12
(c) Haor	251717	115070	457	251717	111779	444	3291	2.94
B. Inland Close Water (Culture)	**843729**	**2638745**	**3127**	**836796**	**2583866**	**3088**	**54879**	**2.12**
6. Pond	407625	2090787	5129	404497	2046258	5059	44529	2.18
7. Seasonal Cultured Waterbody	150492	226608	1506	151942	225948	1487	660	0.29
(a) Paddy Field/ Floodplain	135570	200359	1478	137222	200304	1460	55	0.03
(b) Borrow Pit	14922	26249	1759	14720	25644	1742	605	2.36
8. Baor	5671	11319	1996	5671	10969	1934	350	3.19
9. Shrimp/Prawn Farm	263025	278417	1059	257888	270114	1047	8303	3.07
(a) Shrimp/Prawn Production	-	131509	500	-	127601	495	3908	3.06
(b) Fish Production	-	146908	-	-	142513	-	4395	3.08
10. Crab Production	9602	12337	1285	9535	12562	1317	-225	-1.79
11. Pen Culture	7314	14282	1953	7263	13425	1848	857	6.38
12. Cage Culture	1.79 lakh cum	4995	28kg/cum	1.79 Lakh cum	4590	26 kg/cum	405	8.82
Total Inland Fisheries	**4704195**	**3939989**	838	**4702887**	**3832267**	**815**	**107722**	***2.81***
C. Marine Fisheries	-	**681239**	-	-	**671104**	-	**10135**	***1.51***
13. Industrial	-	119121	-	-	115354	-	3767	*3.27*
14. Artisanal	-	562118	-	-	555750	-	6368	*1.15*
Total Fish Production	-	**4621228**	-	-	**4503371**	-	**117857**	**2.62**
Production of Selected Species								
Hilsa Production (MT)	-	**565183**	-	-	**550428**	-	**14754.8**	**2.68**
(a) River	-	250847	-	-	244972	-	5874.82	2.40
(b) Sundarbans	-	743	-	-	890	-	-147	-16.52
(c) Marine	-	313593	-	-	304566	-	9027	2.96
Shrimp/Prawn Production (MT)	-	**251964**	-	-	**241281**	-	**10684**	**4.43**
(a) Shrimp/Prawn Farm	-	131509	-	-	127601	-	3908	3.06
(b) Other Sources	-	74158	-	-	70864	-	3294	4.65
(c) Marine	-	46297	-	-	42816	-	3481	8.13

* *Cage culture volume is 1.79 lakh cubic meter assuming average one-meter depth over 17.91 ha water area. This area is included within River and Estuary area.*

EXECUTIVE SUMMARY

Bangladesh, the fortunate in having potential water resources, is one of the world's leading fish producing countries with a total production of 46.21 lakh MT in FY 2020-21, where aquaculture accounts for 57.10 percent of the total fish production. The country has exceeded the projected production target of 45.52 lakh MT of fish by 2020-21 in conformity with the targets of ***Vision-2021*** of the present Government. Now, Bangladesh becomes self-sufficient fish producing country supplements about 60% (with per capita of 62.58 g/day against targeted 60 g/day) of total daily animal protein intake of her people. Bangladesh earns a considerable amount of foreign currencies by exporting fish, shrimps and other fishery products that contribute1.24% of the total national export earnings (EPB 2021). In 2020-21, the country earns BDT 4088.96 crore by exporting almost 76.59 thousand MT of fish and fishery products despite the financial crisis in the corona situation around the world as a result of the effective initiatives taken by the current government.

According to FAO report ***The State of World Fisheries and Aquaculture 2020***, Bangladesh ranked 3rd in inland open water capture production and 5th in world aquaculture production. In the last 10 years, Bangladesh has raised to the second position in terms of average growth rate of fish production during last 10 years. Bangladesh positioned 4th in tilapia production in the world and 3rd in Asia. Bangladesh ranked 1st among 11 hilsa producing countries in the world. The national fish hilsa (*Tenualosa ilisha)* as a single species has been making the highest contribution (12.23 percent) to the country's total fish production. **Geographical Indication Registration Certificate** has also been achieved for our national fish hilsa named as '**Bangladesh Ilish**'.

In 2020-21, fisheries sector contributes 3.57% to the national GDP and more than one-fourth (26.50%) to the agricultural GDP. More than 12% of populations are directly or indirectly engaged in various activities under fisheries sector for their livelihood. Department of Fisheries received prestigious **Bangabandhu National Agriculture Award-1423**, the highest state recognition in agriculture sector for its outstanding performance during the recent past years.

Over the last three decades, the total fish production of Bangladesh has been increased about six times more (7.54 lakh MT in 1983-84 to 46.21 lakh MT in 2020-21). The country's vast fisheries resources are broadly divided into three sub-groups, i.e., inland culture, inland capture and marine capture. Inland culture fishery includes mainly pond/ditch, ox-bow lake (baor), shrimp/prawn farm, seasonal cultured waterbody, pen and cage culture, etc. covering an area of about 8.44 lakh ha and produces 26.39 lakh MT accounting for about 57.10 percent of the total fish production in 2020-21. The aquaculture production of 10.63 lakh MT in 2008-09 has been more than doubled to 26.39 lakh MT in 2020-21 showing consistent growth performance.

Inland aquaculture of indigenous and exotic carp species as well as pangas, tilapia and koi has been expanded massively and farming of valuable, nutrient-rich indigenous species like koi, shingi, magur, pabda, gulsha, mola etc. draw special attention among the farmers as well. Such great aquaculture contribution is achieved for the adoption of improved farming practices by the farmers supported with required extension services. In addition, new farming technology like pen culture, cage culture, new species, intensification of pond farming in particular helped experiencing fast growth in aquaculture and country's favorable climatic conditions and future endeavor will help aquaculture grow further both at vertical and horizontal dimensions.

But the rapid development of shrimp and fish hatchery and nursery mostly owned by the private entrepreneurs has helped for the promotion and quick expansion of aquaculture during the recent past decades in the country which also created some seed quality problem as well. Reasons for carp seed quality deterioration included inbreeding, negative selection, non-availability of quality brood and improper brood management practices and in case of shrimp, non-availability of virus-free mother shrimp and overall non-compliances in hatchery operation protocol. To address these current challenges of seed quality crucial for inland culture fishery, several special programs like establishment of major carp brood bank, supply of imported Chinese carp brood of natural origin, promotion of Specific Pathogen Free (SPF) shrimp hatchery with policy support, enforcement of fish hatchery regulations, monitoring and capacity building of govt. and private hatchery operators and extension workers etc. are being undertaken by the government.

Inland capture fishery comprising rivers and estuaries, Sundarbans water resource in the forest, beels, Kaptai Lake, and floodplain is very rich in biodiversity with almost 260 freshwater fish species that have historically dominated the fish production of Bangladesh. But the share of inland capture fisheries to total fish production have been gradually reduced to the lowest level from 62.59% in 1983-84 to 28.16% in 2020-21 due to over exploitation, degradation and loss of fish habitats, siltation of waterbodies and water pollution from industry and agro-chemicals. Despite gradual declination of open water fish habitat, the implementation of governments several need-based special programs has impacted to minimize the declination of fish production.

For addressing the current challenges of inland capture fishery, several special programs are being implemented in the recent past intended to increase the productivity. The program included introduction of biological management of open water, community based fisheries management, establishment of beel nurseries, stocking of fingerlings including endangered species, restoration of fish habitats to facilitate breeding and migration, establishment and maintenance of sanctuaries for the conservation of biodiversity, expansion of cage and pen farming in feasible water areas, introduction of coordinated management approach, issuing of fishers identity card, well access to fishers right, enforcement of fish conservation acts and adoption of climate smart technologies etc.

As a result, in many cases fishers rights were established and they were motivated for biological management rather only catching of fish. With the continuation of community-based fisheries interventions in some cases, a strong partnership has been developed among the concerned stakeholders, i.e. GO, NGO, local elites and fishers at implementation level. The main objective of this program is to improve the livelihood of fishers and other stakeholders through increased income and supply of animal protein. During the recent past year, around 400 fish sanctuaries along with six hilsa sanctuaries have been established in the selected river system for the conservation and development of hilsa fishery in the country. Due to eco-friendly initiative, open water capture fishery demonstrated a substantial increase in fish production as well as abundance of endangered species, which ultimately enhanced the aquatic biodiversity.

The national fish hilsa is the biggest single-species fishery, with landings accounting for about 12.23% of annual fish production by volume in 2020-21; these contribute an estimated one percent to the country's GDP. Hilsa production once abundant in 1970's gradually declined in many rivers system in 1990's. This declined river catch has been attributed to a combination of factors such as the closure of migratory routes, river siltation, overfishing, indiscriminate catching of brood stocks and juveniles use of monofilament small meshed nets (current jal), mechanization of fishing, and increasing numbers of fishers, industrial pollution, and climate variability. To achieve the increased target of hilsa production, government has undertaken several protection and conservation measures to protect jatka and hilsa brood. The Hilsa Fisheries Management Action Plan (HFMAP) are also being implemented through mass awareness campaign, rallies, meetings, enforcing conservation acts, establishing hilsa sanctuaries, seasonal fishing ban, distribution of rice among the poor fishers, offering alternative livelihoods of fishermen as cash incentives. As a result, in recent years, total hilsa national catches have increased and since 2002-03, hilsa catch of 1.99 lakh MT has been increased to 5.65 lakh MT in FY 2020-21.

Coastal aquaculture comprised of both shrimp/prawn and finfish and shrimp farming in ghers (ponds/enclosures) has been expanding in coastal belt. Presently farmers complying Good Aquaculture Practices (GAP) are becoming more interested to adopt eco-friendly shrimp farming system and also cluster shrimp farming approach. As shrimp is one of the major export items, government of Bangladesh has taken up different programs to increase shrimp production through dissemination of appropriate technology and to promote business-friendly supply chain with special care for hygiene and safety of fish and fishery product to be marketed both in domestic and export market. Emphasis was also given to maintain quality standards in all stages of fish and shrimp production, processing and export with strong monitoring by the Competent Authority (CA). With the govt. intervention, total shrimp and prawn production including capture has been increased from 1.00 lakh MT in 2002-03 to 2.52 lakh MT in 2020-21.

Bangladesh having sovereign rights over almost 118,813 sq. km in the Bay of Bengal possesses vast marine water resources rich in biodiversity. Marine fishing sector provides only about 14.74% of marine production 6.81 lakh MT in 2020-21. In marine fishing involves over 234 industrial trawlers and more than 67000 artisanal vessels. Artisanal small-scale fishery contributes 82.51%; i.e. 5.62 lakh MT and large industrial fishery contributes 17.49%, i.e. 1.19 lakh MT of total marine production. Over the three decades, since 1983–84, the total marine catch of 1.65 lakh MT has increased to 6.81 lakh MT in FY 2020-21. The government has given much priority for the sustainable management of marine fisheries resources and undertaken various measures like strengthening monitoring, controlling and surveillance (MCS), catch monitoring, declaration of St. Martin Island and Sundarbans mangrove forest as sanctuary, and declaration and surveillance of 698 sq. km marine reserve and marine protected area (MPA) of 1738 sq. km in the Bay of Bengal and to protect and conserve the breeding grounds of marine flora and fauna. Another MPA is under declaring stage to achieve the specific **SDG target (14.5.1)**.

Human resource development is mandatory for the Department of Fisheries (DoF) to handle administrative, management and technological issues efficiently by the deployed staffs with enhanced capabilities. DoF following Human Resource Development Sub-strategy developed as per National Fisheries Policy 1998 used to organize both in-country and overseas training for the officers to enable them for the transfer/dissemination of technologies, enforcement of fisheries regulations and also act as trainer. For this purpose, regular training programs are being conducted with support from both revenue and development budget of DoF for the skill development of concerned personnel including DoF officials/staff, extension workers, entrepreneurs, fishers, fish farmers, unemployed youths, left behind peoples of hilly, haor, and char areas distressed women, landless and marginal farmers, etc.

The National Fisheries Policy 1998, a key policy document, includes number of acts and rules related to conservation of inland and marine fisheries to be enforced by DoF which will help support to achieve the SDG targets set by the Ministry of Fisheries and Livestock (MoFL). The different agencies including DoF under the MoFL has been implementing various socio-eco-friendly interventions aligning with its mandate for achieving SDG targets. MoFL, in consultation with the stakeholders, has already developed ***SDG Action Plan and Monitoring Framework*** through National Mid-Term and Long-Term Development Plans. MoFL has also taken necessary initiatives to review the progress of the planned interventions, which eventually contributes to achieve the specific SDG targets. MoFL has identified as Lead Ministry for the SDG targets-14.2, 14.4, 14.5, 14.6, 14.7 and 14.b under the ***Goal 14*** *(Conserve and sustainably use the oceans, seas and marine resources for sustainable development).*

To achieve the SDG targets/specific global indicators multiple interventions are outlined in the developed action plan incorporating on-going and proposed development projects and programs. Considering the multiple stakeholder engagement for the effective implementation of the planned interventions, institutional linkages among the key stakeholders are in active consideration. Capacity building of the agencies is also considered as priority agenda for the ministry for sustainably manage the resources as well as to develop comprehensive data generation and management system of the fisheries sector in very holistic manner.

Bangladesh fisheries have ample scope of development to strengthen the national economy. To realize the potential, concerned government departments, development partners, researchers and non-governmental organizations can play important role in the wide-ranging advancement of the fisheries sector. For the overall development and management of fisheries sector, DoF has been implementing number of development projects toward the sustainable utilization of fisheries resources to ensure food and nutrition security. For the better planning accurate fisheries statistical information is prerequisite. For three and half decades DoF has been publishing this valuable document (***Yearbook of Fisheries Statistics of Bangladesh)*** with the very specific objective of providing necessary and precise fisheries production information facilitating resource-based fisheries planning and management.

CHAPTER 1

INTRODUCTION

Background

Fish, the second most valuable agricultural crop in Bangladesh, plays a crucial role in the livelihoods and employment of millions of people. The culture and consumption of fish therefore has important implications for national income and food security. Bangladeshi people are popularly referred to as "Machhe Bhate Bangali" or "Fish and Rice makes a Bengali".

Fisheries in Bangladesh have both prospects and challenges. Fisheries sector being one of the most productive and dynamic sectors, has been playing an increasingly significant role in the economy for the last few decades. Bangladesh has achieved remarkable progress in the fisheries sector since her independence in 1971. This sector is contributing a very vital role in the socio-economic development and deserves potential for future development in the agrarian economy of Bangladesh. It contributes 3.57% to our national GDP and more than one-fourth (26.50%) to the agricultural GDP as well as 1.24% to national export earnings. This sector provides major share (60%) of all consumed animal protein.

Bangladesh is blessed with vast and rich fisheries resources. The enriched and diversified fisheries resources of the country are broadly divided into two groups as Inland and Marine fisheries. Inland fisheries are again divided into two sub-groups as Inland Capture and Inland Culture fisheries. Inland Capture fisheries comprise with river and estuaries, beels, floodplain, Sundarbans and Kaptai Lake. Inland Culture fisheries include pond, seasonal cultured waterbody, baor, shrimp/prawn farm, crab, pen culture and cage culture. Again, Marine fisheries include Industrial (Trawl) and Artisanal fisheries.

Department of Fisheries received prestigious **Bangabandhu National Agriculture Award 1423,** the highest state recognition in agriculture sector for its outstanding performance during the recent past years. These achievements have been possible through implementation of the government fisheries policies and regulations as well as activities implemented by the government for development of fisheries resources.

Yearbook of Fisheries Statistics of Bangladesh 2020-21 is designed to provide statistical information on various fisheries resources and their contribution in fisheries production in Bangladesh. It represents the brief collection and compilation of statistics on fish production of different fisheries resources prepared by the concerned office under the Department of Fisheries. Department of Fisheries conducts catch assessment survey for Inland (capture and culture) and Marine fisheries on regular basis.

Department of Fisheries has been regularly producing the yearbook of fisheries statistics as a regular publication since 1983-84. This is the 38th annual publication comprising updated fisheries statistical information on different sources of fisheries production in Bangladesh. This yearbook represents country's detailed yearly fisheries production data collated systematically during the year of 2020-21. Considering the importance and significance, DoF has been trying to deliver the up-to-date information on different areas of fisheries production. Moreover, crab production has been incorporated since FY 2015-16 and cuchia production has also been added in FY 2019-20.

The data accumulated in this publication have been collected following well designed methodology such as field survey, fish landing records, data from DoF field offices, reports of different projects of DoF and statistical reports of other concerned departments. Regular supervision and monitoring have been done to present reliable and accurate data reducing occurrence of error. The valuable feedback from the concerned agencies and persons has been taken into account during the processing of data. The information is presented in this publication in the simplest form after necessary analysis, search and scrutiny. The production of fish and shellfish from different waterbodies or fisheries resources has been presented at national, divisional and district wise. The comparison of fish production of different years from various resources and year-wise annual export data has also been added.

Bangladesh fisheries have great potential to flourish further to contribute to the economic growth of the nation. Timely, reliable and trustworthy fisheries data and statistics are crucial to monitor progress or performance of any program and also to take up better developmental plan. This edition of fishery statistical yearbook is published with the objective of providing necessary and precise fisheries data facilitating need-based fisheries planning and development to be taken up by the concerned stakeholders.

Objectives of the Yearbook

The objectives of the Yearbook are as follows:

- To estimate total fish production of different fisheries resources/sectors of Bangladesh;
- To compile fish production area wise (district wise);
- To compile production species wise;
- To provide official statistics of fish production to different key stakeholders in the fisheries sector;
- To use production information for national, regional and global fisheries development and management planning; and
- To provide fisheries production information to facilitate resource-based fisheries planning by the related different stakeholders.

Scope

- Proper fisheries planning and facilitating project for fisheries development.
- Sharing and dissemination fisheries information /data.
- Preparation of action plan to be taken and in use.
- Fisheries development and enlargement strategy.
- Fisheries research programmes planning.

Limitation

The sampling frame was done in 1985 and data is being processed on the basis of this frame survey. It may lead some differences in estimation of the actual production.

CHAPTER 2

Methodology, Concepts and Definitions (Fisheries Catch Assessment of Survey System)

Introduction

Bangladesh endowed with vast potential water resources is one of the world leading fish producing countries. This sector is contributing significantly in food security through providing safe and quality animal protein. The fisheries sector contributes 3.57% to GDP and 26.50% to agricultural GDP as well as 1.24% to total country export earnings. Fish supplements to about 60% of our daily animal protein intake. More than 12 percent of the total population of Bangladesh is engaged with this sector in full time and part time basis for their livelihoods. This sector also has high potential for the perspective of economic development of the country. Bangladesh earns a considerable amount of foreign currencies by exporting fish, shrimps and other fisheries products.

The Yearbook of Fisheries Statistics of Bangladesh is designed to provide statistical information on diversified fisheries resources and contribution in fisheries production in Bangladesh. Fisheries Resources Survey System (FRSS) of Department of Fisheries is conducting catch assessment survey for Inland (Capture & Culture) and Marine fisheries since 1983-84 with assistance of field level officers. This yearbook is very useful for national, regional and global fisheries development and management planning.

Sources of data collection

The sources of data collection are based on mainly 3 sectors viz; (A) Inland Fisheries (Capture), (B) Inland Fisheries (Culture) and (C) Marine Fisheries which consist of 14 sub-sectors as described in the following table. Fisheries Survey Officers and other field officers of DoF are responsible for data collection.

Sector of Fisheries	Definition
Inland Fisheries	Inland fisheries are "any activity conducted to extract fish and other aquatic organisms from inland waters". Small-scale fisheries rely on inland water bodies such as ponds, rivers, beels, floodplains, haors, lakes, dead rivers (baor), wetlands, reservoirs etc. in inland locations. Fisheries within from surface waters as inland of the coastline.
A. Inland Open Water (Capture)	Capture fisheries in Inland open water refers to the harvesting of fish stocks occurring naturally in inland open water body which includes river and estuary, beels, floodplains including haor, Kaptai lake, Sundarbans along with subsistence fishing.
1. River & Estuary	Fisheries in rivers and estuarine waters. River refers to a natural stream of water of fairly large size flowing in a definite course or channel or series of diverging and converging channel. It is a large natural flow of the watercourse; usually freshwater that courses an area of land and goes into sea, ocean etc. On the other hand, estuary is a natural stream of water across the land flowing towards in the sea. It refers to the widening channel of a river, where it nears the sea with a mixing of fresh water and salt water.
2. Beels	Beel is an open water (capture) fisheries. Beel is defined as lake-like wetland with relatively large surface, static water body as opposed to moving water in rivers, canals-typically called khals. It is a low-lying depression on a wetland or floodplain, sometimes drying up in the dry season. Sometimes, it contains water around the whole year.

Sector of Fisheries	Definition
3. Floodplain (including Haor)	Fisheries in flood lands, including small canals around paddy fields. Floodplains are relatively low-lying flat land area, bordering rivers and seasonally over flooded by overspill from the main river channel. It is inundated for 3-4 months in the rainy season and partly dried during the dry season. A haor is a marshy wetland ecosystem which physically a bowl or saucer shaped. The haors remain flooded for about 7 to 8 months. During the rainy season, the haors look just like vast inland sea.
4. Kaptai Lake	Fisheries in Kaptai Lake only. It is an artificial manmade creek shaped lake located in the Kaptai Upazila under Rangamati District.
5. Sundarbans	Fisheries in Sundarbans only. Sundarbans, the largest single block of tidal halophytic mangrove forest in the world, comprises with flowing rivers and a mangrove area separated by interconnected tidal rivers, creeks and canals. It is the unique habitat that serves as the nursery and breeding grounds for several commercially important species of aquatic fauna like fish, shrimps and prawns etc.
6. Subsistence Fishing	Non-commercial fishing in inland waters. It is fishing or catching fish only for own house-hold consumption not for sale.
B. Inland Closed Water (Culture)	The area of inland water closed from the other waters. The farming of fish in freshwaters/estuarine water.
7. Ponds	Fisheries in ponds and tanks. Manmade closed water body with permanent embankment or boundary. It is relatively a small water body of still water. Ponds may be perennial or seasonal based on water retention capacity.
8. Seasonal Cultured Waterbody (SCW)	Fisheries in seasonal waterbody. Seasonally flooded area with temporary boundary to capture fish.
9. Baors	Fisheries in baors. Baor is mainly dead river creating a free standing body of water for fish culture. Baor, the horseshoe shaped oxbow lake was created by the meandering rivers changed their courses, part of the old course got silted up and cut-off from the main stream channel by depressing and filled with water. A baor apparently looks like a lake, but unlike lakes, it remains connected with original river through channels during monsoon.
10. Shrimp Culture/Prawn Farm	Shrimp culture in estuarine waters and prawn culture in fresh water. The waterbody is closed with boundary for shrimp/prawn culture.
11. Pen Culture	Pen culture, an enclosure type fish culture, is defined as raising of fish in a volume of water enclosed on all sides except bottom, permitting the free circulation of water at least from one side. In a fish pen, the bottom of the river, beel or any other water body forms the bottom of the pen. Pens are constructed by nylon or polyethylene mesh nets with traditional bamboo fences. By strict definition, a cage and a net pen differ based on their construction.
12. Cage Culture	Cage culture is an intensive method of aquaculture in which fish is reared in cages placed in waterbody with sufficient water movement. It is blocked with nets, framed on all sides with bamboo or steel and floats in water along with anchored to the lake/river bottom. A cage is totally enclosed on all side, but the top side by mesh or netting. Fixed cages are used in shallow waters and fixed at appropriate height from muddy bottoms.

Sector of Fisheries	Definition
C. Marine Fisheries	Fisheries out of the sea coastline.
13. Industrial Fisheries (Trawling)	Fisheries using larger boats such as trawlers in marine waters fish beyond 40-meter water depth. Trawling is a method of that involves pulling fishing net through the waters. Commercial fishing vessel having the high level of technology and investment designed to operate fishing trawlers for carrying out fishing on a large scale.
14. Artisanal Fisheries	Fisheries using relatively smaller boats. Artisanal fishing occurs in shallow water normally within 40-meter water depth using mechanical or non-mechanical boats. It refers to small-scale, low technology and low capital fishing practices undertaking by individual fishing households. Many of these households are of coastal or island national groups. These households make short (rarely overnight) fishing trips close to the shore. Artisanal fisheries can be subsistence or commercial fisheries, providing for local consumption or export. They are sometimes referred to as small-scale fisheries.
a. Mechanized	Fisheries involved fishing operation by using mechanized boats.
b. Non-mechanized	Fisheries involved fishing operation by using non-mechanized boats.

Besides, data are also collected for:

- Hatchling/spawn production in the government and private hatchery
- Carp spawn/fertilized eggs collection from natural resources
- Annual export of fish and fishery products
- Dry fish production of Inland and Marine fisheries

Bangladesh Fisheries Development Corporation (BFDC) and Bangladesh Forest Department (BFD) usually provide fish production of Kaptai Lake and Sundarbans respectively. Fish production from other sources collected through the Catch Assessment Survey by DoF officers at the field level.

After collecting data from these sources, the collected data are presented for necessary cleaning, screening, editing, compilation and then for analysis. Team of Fisheries Resources Survey System (FRSS) is involved for this data accumulation, processing analysis for the annual fish production report as **Yearbook of Fisheries Statistics of Bangladesh**.

Methodology of Data Collection

- A catch assessment survey is designed to collect catch data of the different sectors of fisheries to estimate yearly total fish production for statistical purposes in Bangladesh.
- Each of the catch assessment survey is designed as a sample survey of three-stage or two-stage sampling or systematic sampling or simple random sampling for estimating total catches (production) on the basis of sample catch data collected by the DoF officers at field level.
- For selecting the first sampling units such as sample villages and for calculating raising factors for estimating total catches by districts, a frame survey has been conducted in advance of the initiation of each catch assessment survey to provide a complete list of the first sampling units such as fishing villages together with basic information such as the number of fishing boats.

Fixed Sample Villages: Sample villages are carefully selected and fixed for several years for keeping track of the annual trend and seasonally changes of total fish catches from pond, river, subsistence etc.

Recording of Catches: Observation of fishing activities and interview with the relevant stakeholders.

Number of Fishing Units: A fishing unit is defined as minimum units necessary for fishing, usually consisting of a combination of a fishing boat, fishing gear and fishermen.

No. of Fishing Unit	No. of Sample Fishing Units
10 and above	5
5 – 9	3
2 – 4	2
1	1

Data Processing

- Collected data of the catch assessment survey are being processed at the headquarters. So, completed survey forms are to be thoroughly checked at field level (at district & divisional level) and sent to headquarters accordingly.
- Data are being processed by FRSS software at the headquarters. The software was developed with the cooperation of CEGIS.

Source wise different Formats

Source wise	Formats		
1. River	Form-1, 2, 3	--	Form-4
2. Pond	Pond-1, 2	Pond-3	Pond-4
3. Floodplain / Subsistence /Haor	Form S2/F2	Form S2/F2	Form S2/F2
4. Beel	Beel-1,2,3	--	Beel-4, 5,6
5. Baor	Baor-1	Baor-2	Baor-3
6. Shrimp Farm	Form-1	Form-2	Form-2
7. Seasonal Cultured Waterbody (SCW)	--	SCW-1	SCW-2
8. Pen & Cage	PC-1	PC-2	PC-2
9. Kaptai Lake	BFDC	--	--
10. Sundarbans	BFD	--	--
11. Marine (Industrial)	MI-1, MI-2, MI-3	--	MI-4
12. Marine (Artisanal)	MA-1, MA-2, MA-3	--	MA-3
FRSS Chart-1, Chart-2, Chart-3			

Survey System

The purpose of the catch assessment survey is to estimate total catch of different sectors of fisheries by the following disaggregation dimensions:

- By districts
- By months
- By gear used
- By species
- Producer's price
- Fixed sample village
- Fixed sample day
- Monthly schedule
- Estimated total catch could be found by multiplying Raising Factor (Total no. / sample no. = Raising Factor). Estimated total catch = Catch data from sample unit x Raising Factor.

Note: In case of emergency, any disaster or natural calamity arises, fixed sample day can be changed/replaced temporarily.

Responsibility for data collection

Responsible Officer	Upazila/District/Division/ Headquarter	Supervision
Senior Upazila Fisheries Officer (SUFO) /Upazila Fisheries Officer (UFO) /Assistant Fisheries Officer (AFO)/Field Assistant (FA)	Upazila Level	District Fisheries Officer
Fisheries Survey Officer (FSO)	District level	District Fisheries Officer
Scientific Officer (SO)	Division level	Coordination & Supervision by Deputy Director
For all	Upazila/District/Division	Deputy Director & Headquarter Staff (FRSS)
Marine Wing	Marine Fisheries	Director (Marine)
Shrimp Wing	Shrimp Cell	Deputy Director (Shrimp)
BFDC Staff	Kaptai Lake Fishery	BFDC
Bangladesh Forest Department (BFD)	Sundarbans Fishery	BFD
Data Input & Processing	Headquarter Staff	Principal Scientific Officer (Overall Supervision of Field & Headquarter)

Sampling Method

Riverine Fisheries

The purpose of the catch assessment survey for the riverine fisheries is to collect sample catch data and producer price data necessary for estimating total catches, their values and corresponding fishing effort by districts as well as principal, major and other rivers, by months, by types of gear used and by species.

Sample Selection

Sample Stage	Sample Unit
Primary sampling	Fishing village
Secondary sampling	Day
Tertiary sampling	Fishing unit

A fishing unit is defined as minimum units necessary for fishing, usually consisting of a combination of a fishing boat, fishing and fishermen.

Recording of catches

Two sample days in each month.

- **Observation of catches:** The data collector has to be on board of one or two sample fishing units to actually observe their catches before they are sold to buyers on the river.
- **Interview of catches:** The responsible person for data collection has to interview to fishermen of the other sample fishing units to ask their catches, when they returned from their fishing. (Form River 1 & 2)

Note: Sample villages are fixed for several years.

Selection of sample villages

i) For each Principal River, two largest villages and one medium sized village in terms of the number of fishing boats are selected as representatives.

ii) For the other rivers, two largest villages and one medium sized village are selected from all the rivers. Selection of representative village in terms of locations and types of gear used and also accessibility of the selected villages is to be checked.

Selection of sample days

Two sample days (fixed) are selected in each month for each of the sample villages to have an interval of 15 days and fixed for several years.

Estimation of daily total catch

The total of sample catch data, thus obtained are to be extrapolated by a raising factor (daily raising factor), which is to be calculated by dividing the number of all fishing units operated by the number of sample fishing units of the type of fishing gear on that sample day to get an estimated daily total catch (Form River 3 & 4).

Estimated total catch of the day = Sample Total × Raising Factor

Where, Raising Factor = Number of total units operated in the day/Number of sample units observed /interviewed

District Total Catch of the month = (Average Total Catch of Sample Villages × District Raising Factor × Days of the Month)/1000 (MT)

Where, District Raising Factor $= \frac{\text{District Total Boat of the River}}{\text{Total Boat of Sample Villages}}$

Pond Fisheries

The purpose of the catch assessment survey of the pond fisheries is to collect sample catch data for estimating the average annual catch per hectare of pond by district, by conditions of ponds and by species.

- 01 sample village is to be selected in each Upazila as a representative for several years
- List of 100 ponds has to be done.
- Fixed sample pond for several years
- **Sample ponds:** 05 at least for each category
- **Sample day:** once every month for each sample village (same day of every month) to interview for the previous month on fish catch and input for fish culture.
- **Pond condition survey:** On the first day of the survey of each year, the Officer is to survey pond condition of each of the sample ponds in the sample village by using Pond - 2.

Category of Pond Aquaculture

Cultured Method	Production Range
Extensive	<1.5 MT/Ha
Semi-intensive	1.5- 4.0 MT/Ha
Intensive	>4.0 -10 MT/Ha
Highly Intensive	>10.0 MT/Ha

Beel Fisheries

The purpose of the catch assessment survey for the beel fisheries is to collect sample catch data of beel as for estimating the annual total catch of beels by districts and by species.

- Two sample beels has to be selected for each district.
- The selected two beels must be representative in terms of fish production, condition, management, fishing practice etc.
- It could be followed that one beel is greater than 20 acres and another less than 20 acres.
- Fingerlings have been released under different programs and projects of Department of Fisheries. Besides, leaseholder or different cooperatives take initiative to release fingerlings to beels. So, one beel should be selected from natural beel and one beel from stocked beel/beelnursury, where fingerlings have been stocked. On the other hand, one beel has to be selected from productive beel and another from less productive.

Sample day: Once every month for each sample Beel (Beel-2, Beel-3, Beel-4, Beel-5 and Beel-6)

Physical Condition of Beel & Information

Identification, physical condition and general information as Beel area, management, no. of fishing unit, fishers, no. of gear & type, no. of the boat, no. of katta etc. should be incorporated into this form (Beel-1).

Catch Data Collection

Beel fishery is being done usually by two ways as Katta fishing and other fishing where fish is caught by gear & other units.

Other fishing

- Data on fish catch by species wise *once in a month* during the fishing period of beel.
- He has to collect data on the visiting day and also the previous day (Format Beel-2).
- Sample unit of fishing has to be selected for each type of gear.
- Estimate average production of two days.
- Gear wise total production has to be estimated (Average production x Raising Factor)
- The total catch of sample day has to be estimated (Format Beel-3) for all gears.
- The total catch for the whole season on the basis of total no. of fishing days and sample data has to be estimated (Format Beel - 4)

Katta Fishing

- At stage of declining water of beel, katta fishing usually started.
- Firstly, total katta has to be listed and sample size of katta is to be determined for collection information.
- Total catch has to be estimated by using Raising Factor (Format Beel -5).

Estimation of Total Annual Fish Production from Beel

- Annual total fish production can be estimated from (Format Beel-6) other fishing and katta fishing.

Shrimp /Prawn Farm Fisheries

The purpose of the catch assessment survey of the shrimp farm fisheries is to collect sample catch data of shrimp farms as well as sample data for calculating the increase rate of the total area of shrimp farms, necessary for estimating the annual total catch of shrimp farms by districts and by species.

The reports of shrimp farm, shrimp production and shrimp farm area are being collected from Shrimp Cell of DoF. Actually, Shrimp Cell compiled this type of report and supply to FRSS. Besides, officers also collect data in relation to Shrimp farms using Shrimp Farm (*Form-1 & 2*).

- Shrimp Cell of DoF usually compiles this report.
- All catches from govt. shrimp farms.
- Monthly catch from private shrimp farms (Form-1 & 2)
- Two types- (i) exclusively shrimp/prawn & (ii) Mixed (Shrimp & Fish).

Subsistence/Floodplain

Purpose of catch assessment survey of the subsistence/floodplain fisheries is to collect sample catch data of flood waters in the monsoon season as for estimating the annual total catch of subsistence by districts and by species.

- One sample village is to be selected for each district, which should be representative for the district.
- Firstly, 100 households are to be listed in each sample village (Form - S1 and F1)
- 10 sample households are to be selected out of 100 households by systematic sample.
- In order to see seasonal change and long-term trend of the catch by the sample fishing households, the sample households are not to be changed for a few years.
- *A certain day* of the month is to be selected as a survey day for sample village. The survey day is to be the same day of the month every month.
- The Officer is to visit sample subsistence/floodplain fishing households and interview with the head of household or any other member on their fishing activities during the previous month (Form - S2 and F2). Besides, he will try to observe actual catches by subsistence catchers.

Baor Fisheries

The purpose of the catch assessment survey for the baor fisheries is to collect sample catch data and producer's price of baor for estimating total catches and their values by months and by species. There are some baors at Dhaka division and Khulna division. Out of these, some baors are managed by the government and others are managed privately.

- **Management of Baor:** Some baors are managed by the government and others are managed privately. There are some baors at 04 districts of Dhaka division (04 nos. baors) and 10 districts of Khulna division (14 nos. baors).
- **Government managed Baor:** 06 baors are managed by the Government.
- **Production data of Govt. managed baor:** Respective Baor Manager provides necessary yearly production data of Govt. managed baor (6 baors) by species wise *(Form - Baor-1 & Baor -2).*
- **Privately Managed Baor:** Sample baor (1 to 3 nos.) has to be selected for each district for accumulating data. The Investigator will visit baor once a month and talk to leaseholder, cooperative and fishers collect information *(Form - Baor-1 & Baor -2).*

Seasonal Cultured Waterbody (SCW)

The purpose of the catch assessment survey of the seasonal cultured waterbody (SCW) fisheries is to collect sample catch data from the seasonal cultured water body, where fish is cultured seasonally at paddy field and floodplain. Besides, there is also the seasonal cultured practice of fish at the borrow pit, polder etc.

- Listing of all Seasonal Cultured Waterbodies (SCWs) with area and number.
- Data collection on sample basis at Upazila level (Form SCW1 & SCW2).

Pen and Cage Culture

In most places, there is increasing practice of fish culture at Pen and Cage. The purpose of the catch assessment survey for the Pen and Cage fisheries is to collect sample catch data from Pen and Cage (Form PC-1 & PC-2)

Kaptai Lake Fisheries

The purpose of the catch assessment survey of the Kaptai Lake fisheries is to collect data on catch and fishing effort of the fisheries for estimating the total catch by months, fishing gear and by species. Bangladesh Fisheries Development Corporation (BFDC) usually provides yearly total production of Kaptai Lake fisheries. After compilation of catch statistics of Kaptai Lake done by BFDC is included in the Yearbook of Fisheries Statistics of Bangladesh.

Sundarbans Fisheries

The purpose of this compilation of catch statistics of Sundarbans Fisheries is to yearly compile such statistics for inclusion in the Fisheries Statistical Report of Bangladesh by utilizing data already collected by the Divisional Forest Officer. Yearly compiled, catch data provided by Forest Department are included in the Yearbook of Fisheries Statistics of Bangladesh.

Marine Fisheries

Marine Industrial Fisheries (Trawl Fishing)

The purpose of the catch Assessment Survey of the Marine Industrial Fisheries (Trawler) is to collect catch and effort data of trawlers for compiling statistics on the monthly total catch of Trawlers by types of fishing (Shrimp trawlers, fish trawlers and mixed trawlers) and by species and their corresponding fishing effort such as the total number of fishing days.

- **The purpose of the catch report survey:** The purpose of the catch report survey is to collect catch and effort data of each trip made by trawlers at their arrivals.
- **Survey organization**: The Marine Fisheries Office of Department of Fisheries, Chattogram is to conduct the survey with its Inspectors.
- **A collection of reports**: The Inspector is to attend each arrival of trawlers from their fishing trip and request the Captain to submit the completed catch report form. The Inspector should check the data reported in the form (*Form -MI-1, MI-2 and MI-3*), and if there is any deficit in the data, he should correct it by asking the Captain. The catch data are also to be checked with export data appearing on the invoice when it becomes available.
- **Checking and collection of forms**: The Inspector is to visit companies every month to see a recording of the fishing trip survey form and check completeness of the coverage of catch reports by comparing with the fishing trips recorded. At the end of the survey year, completed forms are to be collected for thorough checking of the catch reports for the whole year.

Marine Artisanal Fisheries

The purpose of the catch assessment survey of the marine artisanal fisheries is to collect sample catch data and producer price data necessary for estimating total catches, their values and corresponding Fishing effort by former districts, by months, by types of gear and by species.

Frame Survey: A frame survey of the marine artisanal fisheries is being conducted preferably once every year. Data on the number of fishing units is being used for estimating the total catch.

Sample Landing Centers: Sample landing centers are selected from larger centers for each type of gear as follows:

- **Gill net:** Chattogram, Cox's Bazar, Khulna.
- **Small size:** Sandwip Island, Hatia Island, Kumira & Cox's Bazar.
- **Long line:** Jew fish long line: Three landing sites selected from Jew fish processing plants in (Seasonal) Cox's Bazar.
- **Seinenet, Cast net and miscellaneous:** The sea coast is divided into five sections as follows:

  (i) Cox's Bazar (ii) South of Chattogram (iii) North of Chattogram (iv) Sandwip Island (v) Hatia Island in each section.

Sample Days

i) Gill net

In each landing center, four sample days are to be selected in a month with an interval of 8 days. (For example: 3rd, 11th, 19th and 27th). Thus the sample days are selected every month.

ii) Other types of gear

In each landing center, two sample days are to be selected in a month with an internal of 15 days. (For example: 7th and 22nd). Thus the sample days are selected every month.

Sample Landing

When the concern Officer visits a sample landing center of a certain type of gear on a sample day, first he is to make a contact with a well-informed fisherman and ask the expected number of landings (boat arrival for landing) of that particular type of gear during the sample day. This number is to be recorded in the column "No. of all landings" on the Survey Form MA - 1.

Maximum five sample landings are to be selected from all the expected landing during the sample day. The expected number of landings recorded in the column "No. of all landings" is to be corrected to the actual number of landings at the end of the sample day.

Observation of sample landings

Since the purpose of observation of sample landings is to record sample catch data of one trip of fishing, if any sample landing consists of catches by more than one fishing unit or only a part of catch by one fishing unit the concern officer has to ask the fisherman catch by only one fishing unit and record it. If it is impossible the sample landing is to be changed to the next landing. The Concerned officer is to interview to the head fisherman on the fishing trip, observe the landing of fish, and record catch data on Survey Form MA-1.

The concerned Officer observes landings of the sample fishing units and interview to the head fisherman for asking for his fishing operation and records such data on Form MA-1 for each type of fishing gear used. Accuracy of eye-estimation of the quantity of landings is to be improved by weighting fish with a portable balance once in a while.

Estimation of monthly total catches

Monthly total catches by types of fishing gear used are to be estimated by Districts as follows:

Estimated monthly total catch = (Average catch per fishing unit per month obtained by the catch assessment survey) × (Total number of fishing units by former District obtained by the Frame Survey)

The average catch per fishing unit per month is to be calculated as follows:

Average catch per fishing unit per month = (Average catch per trip obtained as an average of observed sample catch data × Average number of trips per fishing unit per month obtained as an average of sample data on the number of trips per month)

CHAPTER 3

MAJOR FINDINGS

Bangladesh, blessed with vast potential water resources, is one of the world's leading fish producing countries with a total production of 46.21 lakh MT in 2020-21, where as inland open water (capture) contributes 28.16% (13.01 lakh MT) and inland closed water (culture) contributes 57.10% (26.39 lakh MT) to total fish production. So, 85.26% of total fish production comes from inland fisheries. The growth rates of inland capture and inland culture fisheries are 4.23% and 2.12% respectively. On the other hand, Marine fisheries production is 6.81 lakh MT and its contribution to total fish production is 14.74% with growth rate 1.51%. The overall growth rate of total fish production in 2020-21 is 2.62%. The growth performance inland aquaculture shows a moderate increased trend. The fish production has increased about six times (7.54 lakh MT in 1983-84 to 46.21 lakh MT in 2020-21) during the last 38 years (Fig. 3.1).

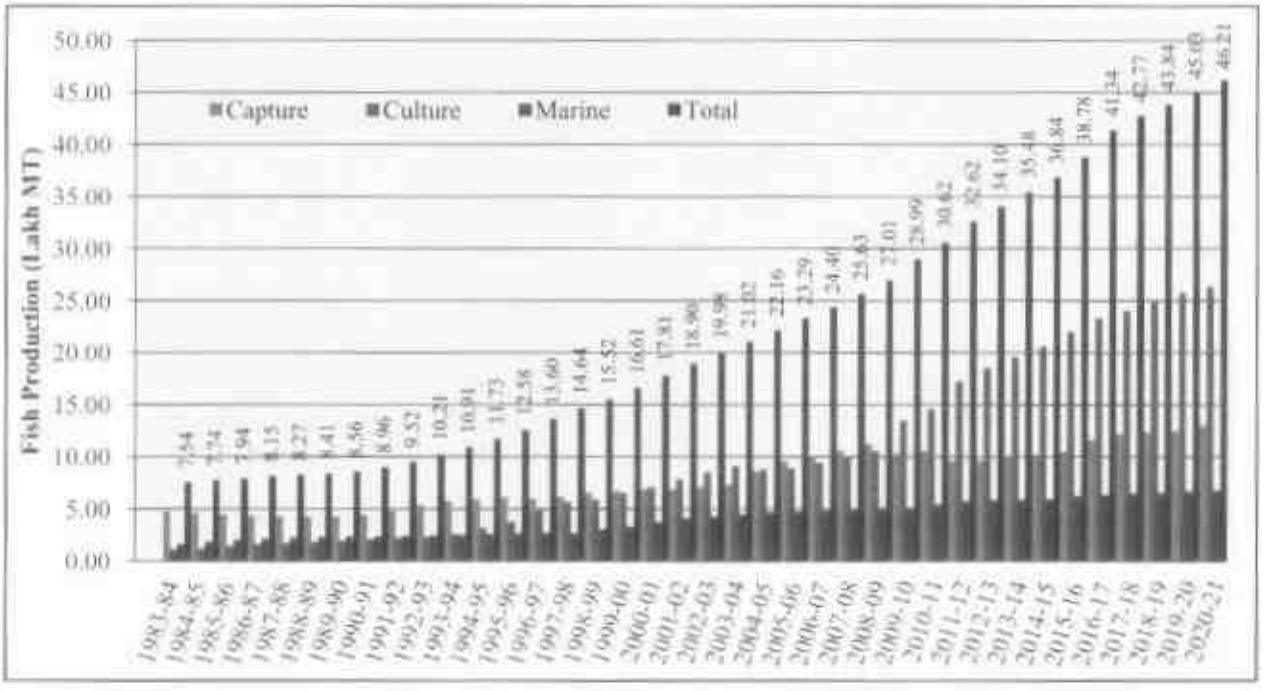


Fig. 3.1: Last 38 years sector-wise fish production trend (lakh MT)

The fish production diversity of fisheries resources of inland open water fisheries of river, beel, floodplain and Kaptai lake in 2020-21 are 3.37 lakh MT, 1.05 lakh MT, 8.25 lakh MT and 0.12 lakh MT, respectively and corresponding growth rates are 1.58, 1.71, 5.85 and -2.76 percent, respectively. The respective contributions to total production are 7.29, 2.27, 17.86 and 0.27 percent. Fish production has been increased compare to previous year. The production of Sundarbans fishery has increased, its production is 0.22 lakh MT and contributes 0.47% to total production and consequently its growth rate is 2.56% (Fig. 3.2).

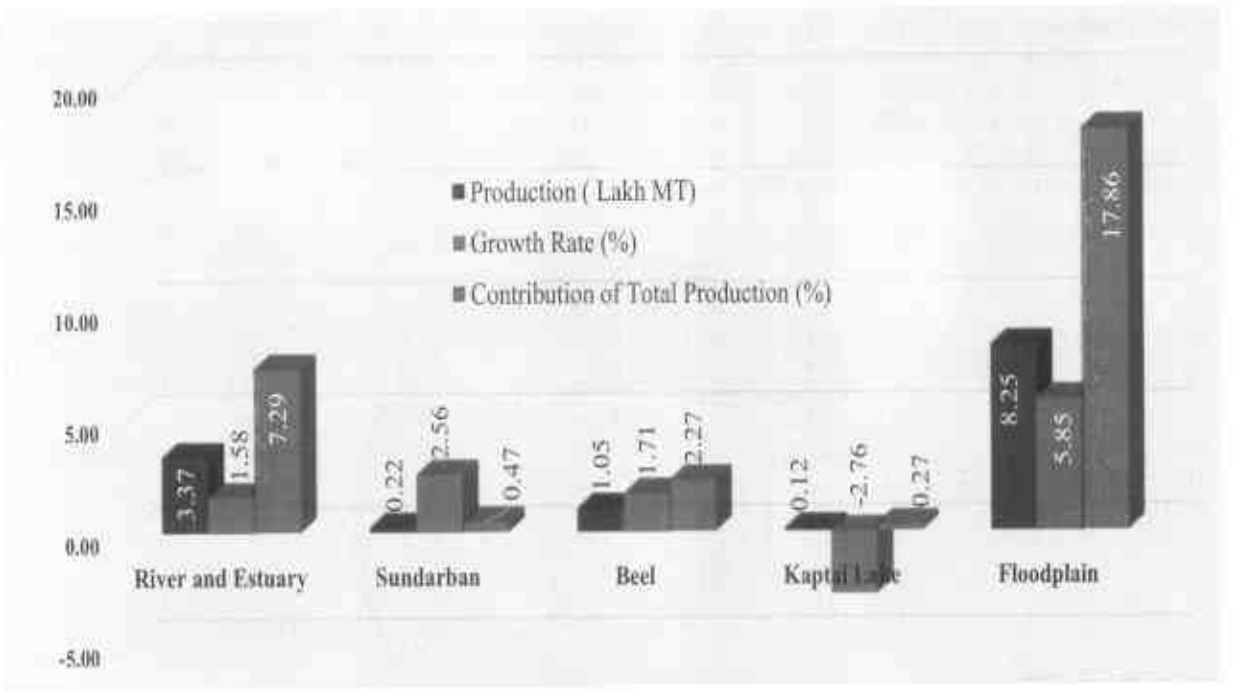


Fig. 3.2: Fish production diversity of inland open water fisheries in 2020-21

The growth performance of inland capture shows a slightly moderate increased trend. The capture fish production has increased 2.76 times more (4.72 lakh MT in 1983-84 to 13.01 lakh MT in 2020-21) in which floodplain fish production has increased 4.10 times more (2.01 lakh MT in 1983-84 to 8.25 lakh MT in 2020-21) over the last three decades. In this period, the fish productions of inland capture fisheries of river, beel, floodplain and Kaptai Lake are shown in following graph (Fig. 3.3).

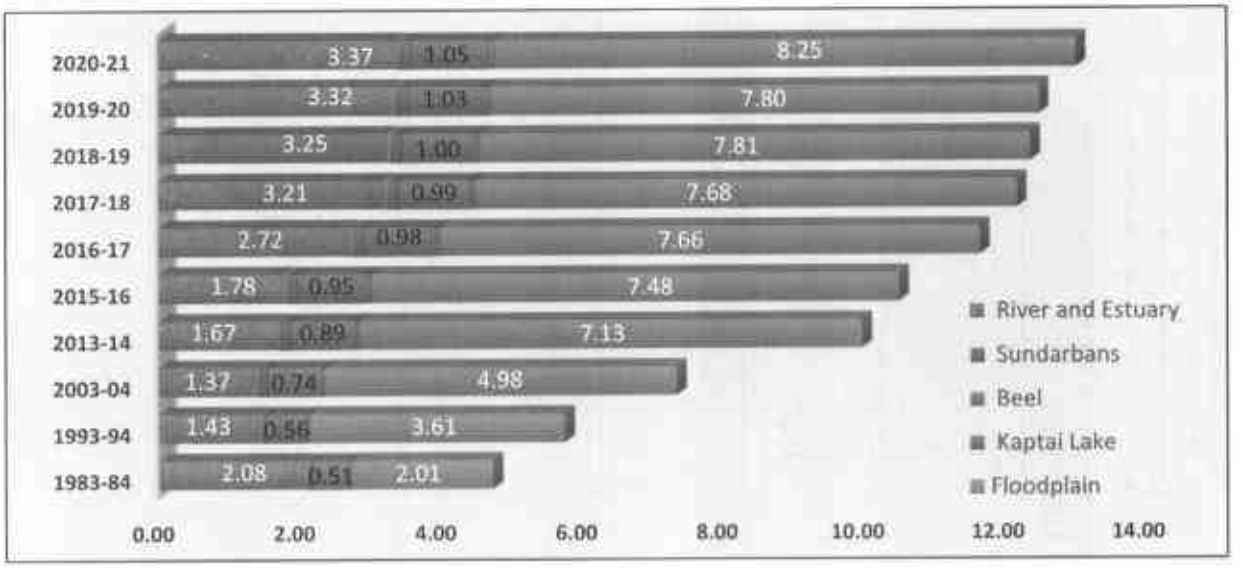


Fig. 3.3: Last 38 years, source–wise fish production of capture fisheries (Lakh MT)

The fish production (aquaculture) of pond, seasonal cultured waterbody, baor, shrimp farm, pen culture and cage culture (inland closed waterbody-culture) in 2020-21 are 20.91 lakh MT, 2.27 lakh MT, 0.11 lakh MT, 2.78 lakh MT, 0.14 lakh MT, 0.05 lakh MT, respectively. Subsequently, the corresponding contributions to total production are 45.24, 4.90, 0.25, 6.02, 0.31 and 0.11 percent, respectively. The corresponding growth rates are 2.18, 0.29, 3.19, 3.07, 6.38 and 8.82 percent, respectively. Crab production is 0.12 lakh MT which is included from 2015-16 in the yearbook (Fig. 3.4)

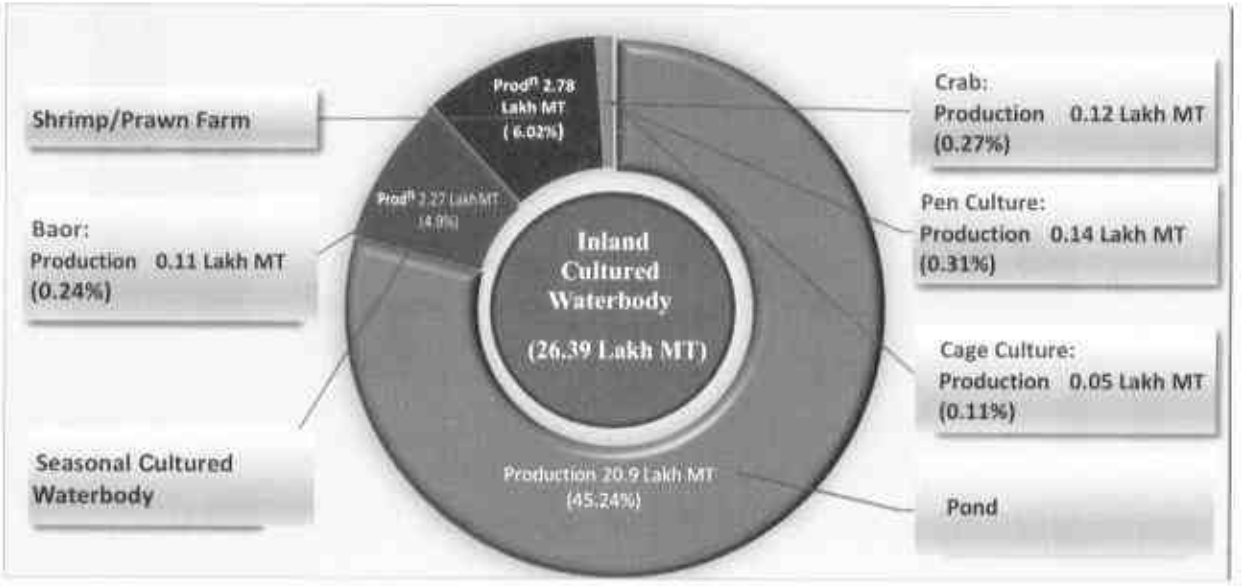


Fig. 3.4: Fish production diversity of inland cultured waterbody in 2020-21 (Parenthesis indicates contribution percentage)

Aquaculture has been the most rapidly growing agro-food sector in Bangladesh over the last three decades. The overall growth performance from inland aquaculture shows a moderate, reasonable and admirable increasing trend. The aquaculture production became more than doubled (10.06 lakh MT in 2007-08 to 26.39 lakh MT in 2020-21) during the last twelve years. During the last three decades, the fish productions of inland culture fisheries of pond, seasonal cultured waterbody, baor, shrimp farm, cage culture and pen culture are shown in following graph (Fig. 3.5).

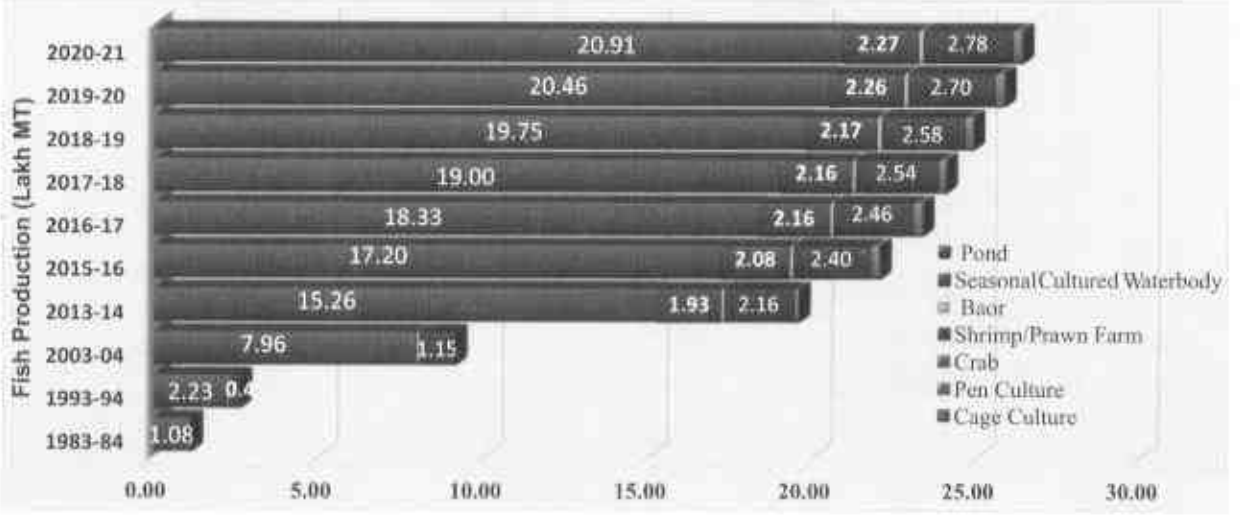


Fig. 3.5: Last 38 years source-wise Inland aquaculture fish production (Lakh MT)

In Bangladesh, aquaculture production systems are mainly extensive and improved extensive, with some semi-intensive and in very few cases intensive systems. The present unit area aquaculture productions (MT/ha) are 5.13, 1.51, 2.00 and 1.06 for pond, seasonal waterbody, baor (oxbow lake) and shrimp gher, respectively. There are two types of aquaculture practices are going on in Bangladesh - freshwater and coastal aquaculture. Freshwater aquaculture comprises mainly pond farming of carps (indigenous and exotic), pangas, tilapia, climbing perch and a number of other domesticated fish. Coastal aquaculture is comprised mainly of shrimp and prawn farming in ghers (coastal pond or enclosures). Species-wise fish production of pond aquaculture in FY 2020-21 are shown in the following graph (Fig. 3.6).

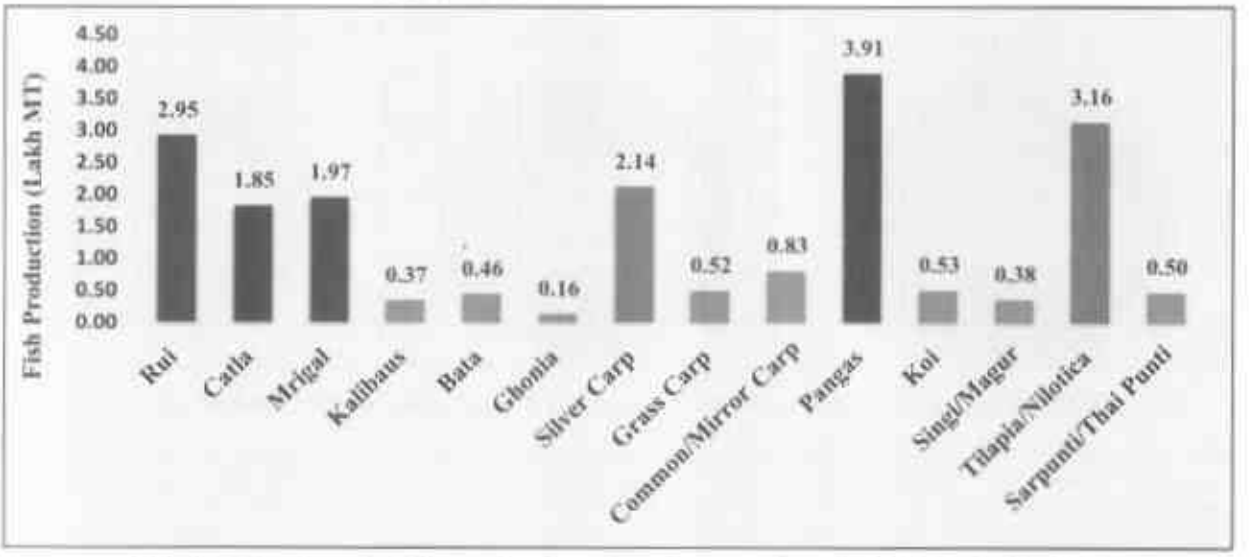


Fig. 3.6: Species-wise fish production of pond aquaculture in 2020-21 (Lakh MT)

In Bangladesh, on the basis of fish production of pond aquaculture, the top 8 fish species are Pangas, Tilapia, Rui, Silver carp, Mrigal, Catla, Common Carp and Koi. During last 3 years of fish production of pond aquaculture of top 8 fish species is shown in the following graph (Fig. 3.7).

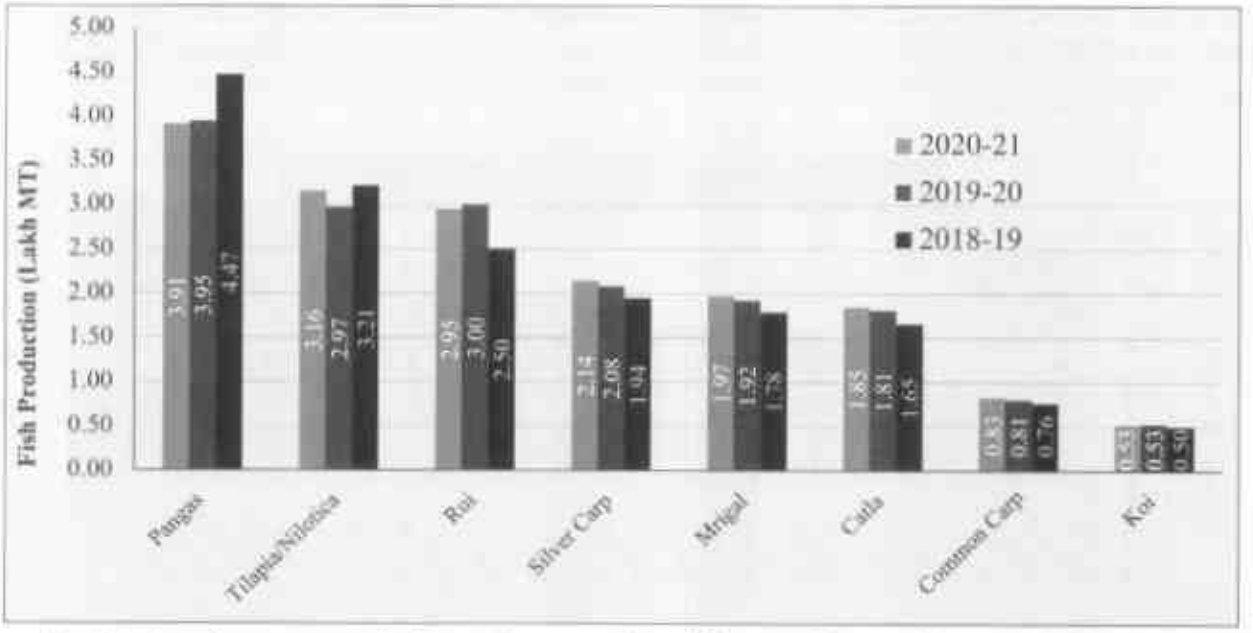


Fig. 3.7: Last three years production performance of top eight potential aquaculture species (Lakh MT)

In 1983-84, the contribution of inland capture, culture and marine fisheries to total fish production were 62.59%, 15.53% and 21.88%, respectively; where as in 2020-21, inland capture fisheries contributes only 28.16%, inland culture fisheries contributes 57.10% marine fisheries contributes 14.74% to total fish production. Total marine fisheries production is 6.81 lakh MT (Industrial is 1.19 lakh and Artisanal is 5.62 lakh MT) and its growth rate is 1.51%. Aquaculture has been progressing with reasonable success due to the expansion of various developed technologies. Now a day's pen and cage culture are getting popular and are the most widely practised culture system in Bangladesh. During last 38 years, aquaculture contribution to total fish production has been increased remarkablely 15.53% in 1983-84 to 2020-21 of 57.10%. Aquaculture production including the pond, ditches, shrimp, baor etc. showed an increasing trend from 2007-08 with a value of 39.23% to 2020-21 with a value of 57.10% which is shown in following graph (Fig. 3.8).

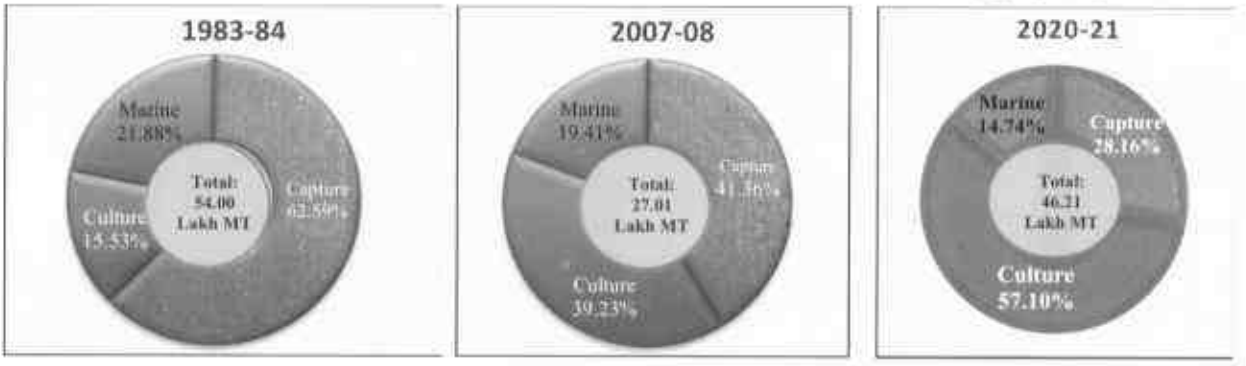


Fig. 3.8: Contribution of inland capture, culture and marine fisheries to total fish production

Hilsa (Ilish) is the national fish of Bangladesh. Hilsa (*Tenualosa ilisha*) is the largest single-species fishery in Bangladesh which makes the highest contribution to the country's total fish production. About 12.23% of the country's total fish production comes from hilsa. As a result, hilsa production increased from 1.99 lakh MT in 2003-04 to 5.65 lakh MT in 2020-21. The growth rate of hilsa production is 2.68%. It is highly noted that Hilsa has been declared as Geographical Indicator (GI) product of Bangladesh.

Total annual hilsa production showed a sharp decline in 2002-03, but after 2005, due to the implementation of HFMAP, hilsa fishery production increased at the rate of 3.5% per year till 2014-15. As a synergistic impact of the general management activities of the government and PES- the environmental management approach, the annual incremental total hilsa production increased from 3.5% to 9.0% after 2015, resulting annual total hilsa production of 5.65 lakh MT in 2020-21. Hilsa production in Bangladesh has almost doubled over the 12 years, by taking the government's efforts, including its ban on catching brood fish and fries, implementation of jatka conservation program, management of fish sanctuary, and implementation of hilsa spawning protection activities. About 12.23% of the country's total fish production is contributes by this hilsa fishery. The hilsa production trends are increased gradually since 2004, which are shown in the following graph (Fig. 3.9).

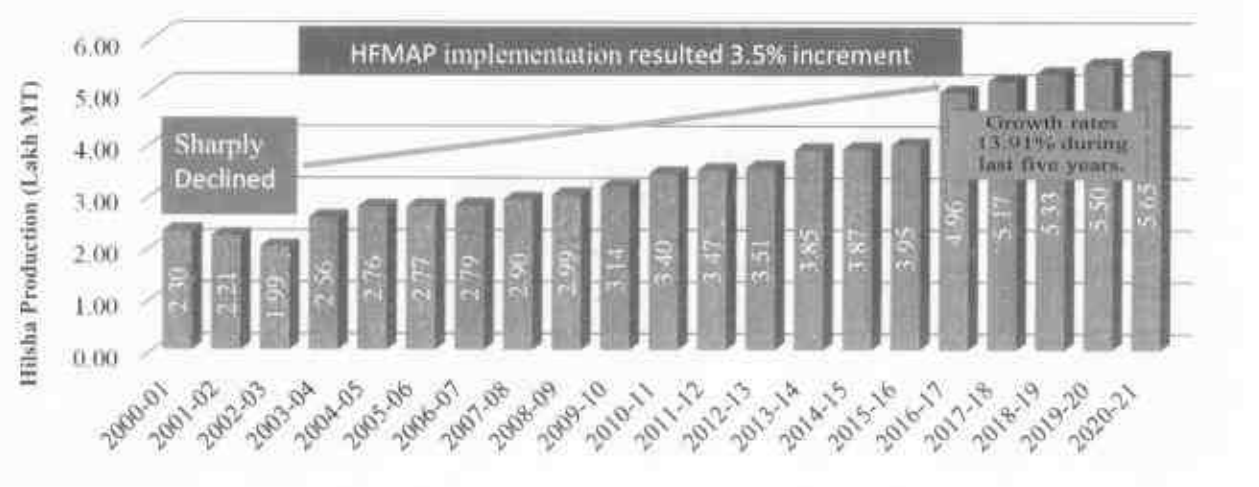
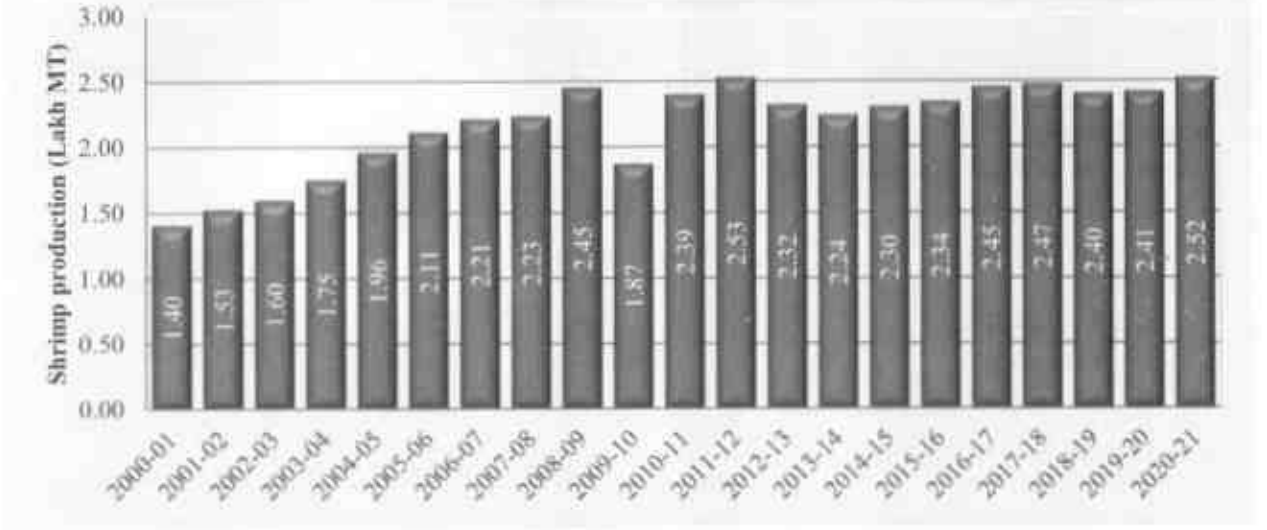


Fig. 3.9: Hilsa (shad) production trends over last two decades

Shrimp is one of the major export items in Bangladesh. Total shrimp and prawn production including capture has been increased from 1.40 lakh MT in 2000-01 to 2.52 lakh MT in 2020-21 and its current growth rate is 4.43%. Coastal aquaculture both shrimp and prawn and finfish farming are expanding, and total shrimp and prawn production have been increased over the last 20 years, which are shown in the following graph (Fig. 3.10).



3.10: Shrimp production trends during last 20 years (Lakh MT)

Fish and fishery products are one of the major export commodities of Bangladesh. Mainly galda, bagda, harina and other species of shrimp and different marine fishes like sea bass, datina, pomfret, cuttle fish, crab, cuchia etc are exported from Bangladesh. Besides these, dry fish, shark, finfish scale and shrimp shell are also exported. Bangladeshi fish and fishery products are exported to more than 50 countries including European Union (EU), USA, Japan, Russia, China etc. EU countries are the major importers of Bangladeshi fish and fishery products. In the fiscal year 2020-21, Bangladesh earned 4088.96 crore taka by exporting 76591.69 MT of fish and fishery products. During last two decades, the export trends and corresponding foreign earnings (in crore) are shown in the following graph (Fig. 3.11).

Fig. 3.11: Last two decades export trends of fish and fishery products and corresponding foreign earnings

This Yearbook of Fisheries Statistics of Bangladesh is published with the objective of providing necessary, defined and precise fisheries production information facilitating resource-based fisheries planning and development. The major findings are presented in the following tables (Table 3.1 to 3.44).

Table 3.1. Sector-wise Annual Fish Production of Inland and Marine Fisheries in 2020-21

Sector of Fisheries	Water Area (Hectare)	Production (Metric Ton)	% of Production	Productivity
A. Inland Fisheries				
(i) Inland Open Water (Capture)				
1. River and Estuary	853863	337051	*7.29*	395 kg/ha
2. Sundarbans	177700	21544	*0.47*	121 kg/ha
3. Beel	114161	104871	*2.27*	919 kg/ha
4. Kaptai Lake	68800	12345	*0.27*	179 kg/ha
5. Floodplain	2645942	825433	*17.86*	312 kg/ha
Capture Total	***3860466***	***1301244***	***28.16***	
(ii) Inland Closed Water (Culture)				
6. Pond	407625	2090787	*45.24*	5129 kg/ha
7. Seasonal Cultured Waterbody	150492	226608	*4.90*	1506 kg/ha
8. Baor	5671	11319	*0.25*	1996 kg/ha
9. Shrimp/Prawn Farm	263025	278417	*6.02*	1059 kg/ha
- Crab*	9602	12337	*0.27*	1285 kg/ha
10. Pen Culture	7314	14282	*0.31*	1953 kg/ha
11. Cage Culture**	*1.79 lakh cum*	4995	*0.11*	28 kg/cum
Culture Total	***843729***	**2638745**	***57.10***	
Inland Fisheries Total	4704195	3939989	85.26	
B. Marine Fisheries				
12. Industrial (Trawling)		119121	*2.58*	
13. Artisanal		562118	*12.16*	
Marine Fisheries Total		***681239***	***14.74***	
COUNTRY TOTAL		**4621228**	*100*	

Note:

1. *Catch of River, Beel and Baor is estimated by catch assessment survey on the basis of Frame Survey and water area from SPARRSO (Space Research and Remote Sensing Organization) Report, 1983.*
2. *Catch data of Sundarbans are supplied by Forest Department and water area of Sundarbans is estimated on the basis of Integrated Resource Development of Sundarbans Reserved Forest, 1994.*
3. *Catch data of Kaptai Lake are supplied by Bangladesh Fisheries Development Corporation (BFDC).*
4. *Seasonal cultured waterbody includes Paddy field, Floodplain, Borrow pit etc. which are under in fish culture.*
5. *Catch data of Marine Fisheries are supplied by Marine Wing, Department of Fisheries.*

► *Cuchia production is incorporated seperately from 2019-20.*

* *Crab production has been included since 2015-16.*

** *Volume of cage is 1,79115 cubic meter assuming one-meter average depth of the cages over 17.91 ha water area. This area is already included with River and Estuary area.*

Table 3.2. Species/Group-wise Annual Fish Production of Inland and Marine Fisheries in 2020-21

[Unit: Metric Ton]

Sl. No.	Species/Group	Inland Fisheries	Marine Fisheries	Total	%
1	Major Carp	975531	0	975531	*21.11*
2	Other Carp	129237	0	129237	*2.80*
3	Exotic Carp	516969	0	516969	*11.19*
4	Pangas (Cat Fish)	402298	0	402298	*8.71*
5	Other Cat Fish	73180	0	73180	*1.58*
6	Snake Head	78468	0	78468	*1.70*
7	Live Fish	166204	0	166204	*3.60*
8	Tilapia	392095	0	392095	*8.48*
9	Other Inland fish	625286	0	625286	*13.53*
10	Hilsa/Ilish *(Tenualosa ilisha)*	251590	313593	565183	*12.23*
11	Shrimp/Prawn	205667	46297	251964	*5.45*
12	Crab (*Scylla serrata* & *Scylla olivacea*)	12337	0	12337	*0.27*
13	Sarpunti (*Puntius sarana*)	101932	0	101932	*2.20*
14	Cuchia	9195	0	9195	*0.20*
15	Sardine *(Sardinella fimbriata)*	0	34519	34519	*0.75*
16	Bombay Duck (*Harpondon nehereus)*	0	71922	71922	*1.56*
17	Indian Salmon (*Polydactylus indicus)*	0	163	163	*0.00*
18	Pomfret (Rup/ Hail/ Foli Chanda)	0	9214	9214	*0.20*
19	Jew Fish (Poa, Lambu, Kala datina etc.)	0	48665	48665	*1.05*
20	Sea Cat Fish (*Tachysurus* spp.)	0	12199	12199	*0.26*
21	Shark/ Skate / Ray	0	8228	8228	*0.18*
22	Tuna and Tuna like fish	0	22130	22130	*0.48*
23	Other Marine Fish	0	114309	114309	*2.47*
TOTAL	**Production (Metric Ton)**	**3939989**	**681239**	**4621228**	***100***
	%	**85.26**	**14.74**	**100**	

Note:

1. ***Major Carp - Rui, Catla, Mrigal***
2. ***Other Carp -Kalibaus, Bata, Ghania***
3. ***Exotic Carp - Silver Carp, Grass Carp, Common Carp, Mirror Carp, Big Head Carp, Black Carp***
4. ***Other Cat Fish - Boal, Ayre, Silon, Rita***
5. ***Snake Head -Shol, Gazar, Taki***
6. ***Live Fish -Koi, Shingi, Magur***
7. ***Prawn - Galda and Other Inland Chingri***
8. ***Shrimp - Bagda and Other Coastal/ Marine Chingri***
9. ***Other Fish (Inland and Marine) - Includes all other fishes except those mentioned above.***

- **Crab production data has been included from 2015-16.**
- **Cuchia production data is incorporated seperately from 2019-20.**

Table 3.3. Species-wise Annual Fish Production of Inland Waterbodies in 2020-21

[Unit: Metric Ton]

Sl. No.	Species	River	Sundar bans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal Cultured Water body	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	Total	%
1	Rui	3231	0	13558	9	46441	294837	53099	1626	31374	1968	0	446143	*11.32*
2	Catla	2031	0	8734	14	19941	184692	23687	949	23436	1371	0	264855	*6.72*
3	Mrigal	1423	0	9500	4	25124	197387	25108	657	4075	1255	0	264533	*6.71*
4	Kalibaus	637	0	1837	11	3047	36774	407	46	0	155	0	42914	*1.09*
5	Bata	1619	0	1636	15	1253	46441	10265	256	2823	339	0	64647	*1.64*
6	Ghania	35	0	1098	0	1923	15704	2501	20	207	188	0	21676	*0.55*
7	Silver carp	0	0	4648	0	2663	214412	36433	1897	15756	1067	0	276876	*7.03*
8	Grass carp	0	0	2046	4	7105	51945	11781	631	685	348	0	74545	*1.89*
9	Mirror/Common carp	0	0	2573	0	21433	82949	23151	492	644	311	0	131553	*3.34*
10	Other Exotic carp	0	0	821	0	0	32894	0	54	0	226	0	33995	*0.86*
11	Pangas	926	0	185	0	9378	391442	0	0	0	367	0	402298	*10.21*
12	Boal/Ayre	2953	0	4714	137	64392	653	120	157	0	54	0	73180	*1.86*
13	Shol/Gazar/Taki	814	0	3593	29	71112	2367	239	264	0	50	0	78468	*1.99*
14	Koi	101	0	2684	0	9696	52880	1391	14	0	19	0	66785	*1.70*
15	Shingi/Magur	95	0	2007	2	59050	38195	47	13	0	10	0	99419	*2.52*
16	Tilapia/ Nilotica	0	0	1535	17	0	315887	23007	436	42748	3470	4995	392095	*9.95*
17	Sarpunti/Thai punti	203	0	4313	9	20331	49955	8514	202	16873	1532	0	101932	*2.59*
18	Other Inland Fish	56866	20434	33158	11964	409996	75431	4844	3127	8017	1449	0	625286	*15.87*
19	Hilsa	250847	743	0	0	0	0	0	0	0	0	0	251590	*6.39*
20	Big Shrimp/ Prawn	4023	102	66	0	1984	2527	711	17	127129	0	0	136558	*3.47*
21	Small Shrimp/ Prawn	9501	265	4246	130	45911	3009	1118	454	4380	94	0	69109	*1.75*
22	Crab	0	0	0	0	0	0	0	0	12337	0	0	12337	*0.31*
23	Cuchia	1746	0	1919	0	4653	406	185	7	270	9	0	9195	*0.23*
TOTAL		**337051**	**21544**	**104871**	**12345**	**825433**	**2090787**	**226608**	**11319**	**290754**	**14282**	**4995**	**3939989**	***100***
%		*8.55*	*0.55*	*2.66*	*0.31*	*20.95*	*53.07*	*5.75*	*0.29*	*7.38*	*0.36*	*0.13*	*100*	

Note:

1. *Other Exotic Carp: Big Head Carp, Black Carp etc.*
2. *Other Inland Fish: Punti, Chapila, Tengra, Pabda, Baim, Mola etc.*
3. *Big Shrimp/Prawn: Galda, Bagda, Harina, Chaka*
4. *Small Shrimp/Prawn: Other small Chingri*

Table 3.4. District-wise Annual Fish Production of Inland Waterbodies in 2020-21

[Unit: Metric Ton]

District	River	Sundar bans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal Cultured Waterbody	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	Total
Dhaka	1157	0	837	0	6221	8845	3477	0	0	1704	40	**22281**
Faridpur	2092	0	604	0	9260	20907	6260	812	14.03	1192	5	**41146**
Gazipur	526	0	1797	0	17290	26490	8448	0	0.87	902	0	**55454**
Gopalganj	684	0	881	0	8661	16796	3798	1048	2150	3625	8	**37651**
Kishoreganj	2451	0	7094	0	45537	26619	971	0	1.77	960	4	**83638**
Madaripur	1483	0	322	0	8661	13166	205	1351	72	1365	169	**26794**
Manikganj	2851	0	696	0	11198	13020	3325	0	6.35	766	0	**31862**
Munshiganj	3337	0	286	0	11888	9763	4210	0	1	197	0	**29682**
Narayanganj	1815	0	165	0	1696	10235	3597	0	0	998	0	**18506**
Narsingdi	2676	0	1302	0	13141	23400	934	0	2	94	886	**42435**
Rajbari	2954	0	304	0	6542	15226	2708	32	0	0	5	**27771**
Shariatpur	5641	0	46	0	5672	14107	1025	0	59	40	8	**26598**
Tangail	1337	0	2389	0	11823	39724	2635	0	0	9	0	**57917**
Dhaka Division	**29004**	**0**	**16723**	**0**	**157590**	**238298**	**41593**	**3243**	**2307**	**11852**	**1125**	**501735**
Jamalpur	2960	0	3294	0	10041	18213	1547	0	0	749	18	**36822**
Mymensingh	1301	0	6553	0	11430	319894	2156	0	4	20	20	**341378**
Netrakona	1479	0	6872	0	37208	39936	4764	0	0	89	0	**90348**
Sherpur	963	0	2568	0	2583	22891	1427	0	0	0	0	**30432**
Mymensingh Division	**6703**	**0**	**19287**	**0**	**61262**	**400934**	**9894**	**0**	**4**	**858**	**38**	**498980**
Bagerhat	5322	20203	32	0	5153	17731	1780	15	73391	0	7	**123634**
Chuadanga	353	0	1108	0	1340	11497	1372	1632	0	0	3	**17305**
Jashore	973	0	1747	0	36296	132471	24411	3655	31590	0	0	**231143**
Jhenaidah	355	0	1074	0	6416	27289	3223	1886	0	0	0	**40243**
Khulna	3656	709	241	0	21006	17396	1028	0	67065	0	0	**111101**
Kushtia	1255	0	578	0	3939	23514	4212	201	0	13	28	**33740**
Magura	1127	0	155	0	2953	10818	60	241	44	0	0	**15398**
Meherpur	288	0	391	0	889	7059	210	250	0	0	30	**9117**
Narail	961	0	559	0	3358	4986	588	0	4556	0	0	**15008**
Satkhira	1353	632	33	0	14111	39887	1785	196	76474	0	0	**134471**
Khulna Division	**15643**	**21544**	**5918**	**0**	**95461**	**292648**	**38669**	**8076**	**253120**	**13**	**68**	**731160**
Barguna	6239	0	0	0	3676	7581	628	0	599	18	85	**18826**
Barishal	41200	0	36	0	9427	38389	8008	0	2943	0	58	**100061**
Bhola	92505	0	0	0	5333	38218	423	0	171	0	167	**136817**
Jhalokati	2019	0	15	0	4757	4559	571	0	172	114	9	**12216**
Patuakhali	30941	0	0	0	10607	25195	233	0	3393	3	10	**70382**
Pirojpur	3552	0	10	0	4139	8902	1053	0	2638	0	28	**20322**
Barishal Division	**176456**	**0**	**61**	**0**	**37939**	**122844**	**10916**	**0**	**9916**	**135**	**357**	**358624**

Cont'd....

[Unit: Metric Ton]

District	River	Sundar bans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal Cultured Water body	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	Total
Dinajpur	296	0	562	0	6114	49573	2089	0	16	0	14	**58664**
Gaibandha	2132	0	577	0	6356	25884	760	0	13	38	0	**35760**
Kurigram	4010	0	1703	0	11502	20955	5003	0	5	161	174	**43513**
Lalmonirhat	207	0	586	0	1847	14176	4104	0	3	28	6	**20957**
Nilphamari	202	0	512	0	3773	20224	794	0	5	12	4	**25526**
Panchagarh	125	0	58	0	3012	13913	475	0	6	6	0	**17595**
Rangpur	164	0	1892	0	8505	31003	3762	0	18	28	0	**45372**
Thakurgaon	118	0	213	0	4071	25512	441	0	8	11	9	**30383**
Rangpur Division	**7254**	**0**	**6103**	**0**	**45180**	**201240**	**17428**	**0**	**74**	**284**	**207**	**277770**
Bogura	914	0	2638	0	4947	88240	716	0	6	50	9	**97520**
Chapai Nawabganj	1933	0	3072	0	1543	13020	239	0	0	164	30	**20001**
Joypurhat	197	0	275	0	162	23385	602	0	24	0	4	**24649**
Naogaon	1305	0	5323	0	15881	58615	677	0	2	0	13	**81816**
Natore	878	0	1078	0	16470	48039	432	0	3	0	28	**66928**
Pabna	4266	0	2740	0	11380	46262	2991	0	0	8	154	**67801**
Rajshahi	2495	0	4205	0	6589	63399	6403	0	0	0	0	**83091**
Sirajganj	4532	0	797	0	34251	26093	1277	0	0	21	1354	**68325**
Rajshahi Division	**16520**	**0**	**20128**	**0**	**91223**	**367053**	**13337**	**0**	**35**	**243**	**1592**	**510131**
Bandarban	152	0	0	0	168	1366	363	0	0	0	0	**2049**
Brahmanbaria	1996	0	502	0	21186	36469	2232	0	0	545	137	**63067**
Chandpur	35695	0	299	0	24879	37916	2757	0	196	186	1004	**102932**
Chattogram	6881	0	53	0	734	66515	3574	0	1504	0	0	**79261**
Cumilla	1038	0	336	0	74872	138708	78123	0	150	82	242	**293551**
Cox's Bazar	2412	0	0	0	1357	4811	164	0	22810	0	0	**31554**
Feni	1346	0	0	0	7193	24941	316	0	68	7	22	**33893**
Khagrachhari	203	0	55	0	0	2919	461	0	0	0	0	**3638**
Lakshmipur	22145	0	0	0	10734	31543	901	0	158	0	72	**65553**
Noakhali	10107	0	0	0	28647	49413	1189	0	391	0	0	**89747**
Rangamati	234	0	0	12345	4	1160	561	0	0	50	104	**14458**
Chattogram Division	**82209**	**0**	**1245**	**12345**	**169774**	**395761**	**90641**	**0**	**25277**	**870**	**1581**	**779703**
Habiganj	1027	0	2659	0	29081	18642	236	0	18	0	0	**51663**
Moulvibazar	490	0	2977	0	24738	22548	794	0	0	0	5	**51552**
Sunamganj	871	0	24354	0	70143	10650	1506	0	0	17	0	**107541**
Sylhet	874	0	5416	0	43042	20169	1594	0	3	10	22	**71130**
Sylhet Division	**3262**	**0**	**35406**	**0**	**167004**	**72009**	**4130**	**0**	**21**	**27**	**27**	**281886**
TOTAL	**337051**	**21544**	**104871**	**12345**	**825433**	**2090787**	**226608**	**11319**	**290754**	**14282**	**4995**	**3939989**
%	8.55	0.55	2.66	0.31	20.95	53.07	5.75	0.29	7.38	0.36	0.13	100

Note: Shrimp Farm production included Crab production.

Table 3.5. District-wise Annual Fish Catch of All Rivers in 2020-21

[Unit : Metric Ton]

District	Principal River						Principal River Total (A)	Other River Total (B)	Grand Total (A+B)
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma putra			
Dhaka	0	0	698	0	0	0	698	459	**1157**
Faridpur	0	0	1507	0	0	0	1507	585	**2092**
Gazipur	0	0	0	0	0	0	0	526	**526**
Gopalganj	0	0	0	0	0	0	0	684	**684**
Kishoreganj	0	1027	0	0	0	0	1027	1424	**2451**
Madaripur	0	0	1198	0	0	0	1198	285	**1483**
Manikganj	0	0	1717	0	767	0	2484	367	**2851**
Munshiganj	0	1419	1492	0	0	0	2911	426	**3337**
Narayanganj	0	1354	0	0	0	0	1354	461	**1815**
Narsingdi	0	2135	0	0	0	0	2135	541	**2676**
Rajbari	0	0	1073	1224	0	0	2297	657	**2954**
Shariatpur	1766	0	3471	0	0	0	5237	404	**5641**
Tangail	0	0	0	0	1066	0	1066	271	**1337**
Dhaka Division	**1766**	**5935**	**11156**	**1224**	**1833**	**0**	**21914**	**7090**	**29004**
Jamalpur	0	0	0	0	649	2092	2741	219	**2960**
Mymensingh	0	0	0	0	0	0	0	1301	**1301**
Netrakona	0	0	0	0	0	0	0	1479	**1479**
Sherpur	0	0	0	0	0	0	0	963	**963**
Mymensingh Division	**0**	**0**	**0**	**0**	**649**	**2092**	**2741**	**3962**	**6703**
Bagerhat	0	0	0	0	0	0	0	5322	**5322**
Chuadanga	0	0	0	0	0	0	0	353	**353**
Jashore	0	0	0	0	0	0	0	973	**973**
Jhenaidah	0	0	0	0	0	0	0	355	**355**
Khulna	0	0	0	0	0	0	0	3656	**3656**
Kushtia	0	0	0	206	0	0	206	1049	**1255**
Magura	0	0	0	0	0	0	0	1127	**1127**
Meherpur	0	0	0	0	0	0	0	288	**288**
Narail	0	0	0	0	0	0	0	961	**961**
Satkhira	0	0	0	0	0	0	0	1353	**1353**
Khulna Division	**0**	**0**	**0**	**206**	**0**	**0**	**206**	**15437**	**15643**
Barguna	0	0	0	0	0	0	0	6239	**6239**
Barishal	36475	0	0	0	0	0	36475	4725	**41200**
Bhola	88584	0	0	0	0	0	88584	3921	**92505**
Jhalokati	0	0	0	0	0	0	0	2019	**2019**
Patuakhali	0	0	0	0	0	0	0	30941	**30941**
Pirojpur	0	0	0	0	0	0	0	3552	**3552**
Barishal Division	**125059**	**0**	**0**	**0**	**0**	**0**	**125059**	**51397**	**176456**

Cont'd.....

[Unit : Metric Ton]

District	Principal River						Principal River Total (A)	Other River Total (B)	Grand Total (A+B)
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma Putra			
Dinajpur	0	0	0	0	0	0	0	296	**296**
Gaibandha	0	0	0	0	223	1384	1607	525	**2132**
Kurigram	0	0	0	0	0	3438	3438	572	**4010**
Lalmonirhat	0	0	0	0	0	0	0	207	**207**
Nilphamari	0	0	0	0	0	0	0	202	**202**
Panchagarh	0	0	0	0	0	0	0	125	**125**
Rangpur	0	0	0	0	0	0	0	164	**164**
Thakurgaon	0	0	0	0	0	0	0	118	**118**
Rangpur Division	**0**	**0**	**0**	**0**	**223**	**4822**	**5045**	**2209**	**7254**
Bogura	0	0	0	0	140	0	140	774	**914**
Chapai Nawabganj	0	0	0	1120	0	0	1120	813	**1933**
Joypurhat	0	0	0	0	0	0	0	197	**197**
Naogaon	0	0	0	0	0	0	0	1305	**1305**
Natore	0	0	0	511	0	0	511	367	**878**
Pabna	0	0	0	1847	1033	0	2880	1386	**4266**
Rajshahi	0	0	0	1552	0	0	1552	943	**2495**
Sirajganj	0	0	0	0	2567	0	2567	1965	**4532**
Rajshahi Division	**0**	**0**	**0**	**5030**	**3740**	**0**	**8770**	**7750**	**16520**
Bandarban	0	0	0	0	0	0	0	152	**152**
Brahmanbaria	0	1294	0	0	0	0	1294	702	**1996**
Chandpur	32159	0	0	0	0	0	32159	3536	**35695**
Chattogram	0	0	0	0	0	0	0	6881	**6881**
Cumilla	0	435	0	0	0	0	435	603	**1038**
Cox's Bazar	0	0	0	0	0	0	0	2412	**2412**
Feni	0	0	0	0	0	0	0	1346	**1346**
Khagrachhari	0	0	0	0	0	0	0	203	**203**
Lakshmipur	21862	0	0	0	0	0	21862	283	**22145**
Noakhali	9954	0	0	0	0	0	9954	153	**10107**
Rangamati	0	0	0	0	0	0	0	234	**234**
Chattogram Division	**63975**	**1729**	**0**	**0**	**0**	**0**	**65704**	**16505**	**82209**
Habiganj	0	196	0	0	0	0	196	831	**1027**
Moulvibazar	0	0	0	0	0	0	0	490	**490**
Sunamganj	0	0	0	0	0	0	0	871	**871**
Sylhet	0	0	0	0	0	0	0	874	**874**
Sylhet Division	**0**	**196**	**0**	**0**	**0**	**0**	**196**	**3066**	**3262**
TOTAL	**190800**	**7860**	**11156**	**6460**	**6445**	**6914**	**229635**	**107416**	**337051**
%	*56.61*	*2.33*	*3.31*	*1.92*	*1.91*	*2.05*	*68.13*	*31.87*	*100*

Annual Growth Rate: 1.58%

Table 3.6. Species-wise Annual Fish Catch of All Rivers in 2020-21

[Unit : Metric Ton]

Sl. No.	Species	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma-Putra	Total Principal River	Other River	Total	%
1	Rui	177	272	260	228	197	199	**1333**	1898	**3231**	*0.96*
2	Catla	128	150	167	152	131	161	**889**	1142	**2031**	*0.60*
3	Mrigal	92	122	139	65	110	141	**669**	754	**1423**	*0.42*
4	Kalibaus	0	33	65	45	38	92	**273**	364	**637**	*0.19*
5	Bata	1221	102	0	0	13	0	**1336**	283	**1619**	*0.48*
6	Ghania	0	17	0	0	0	0	**17**	18	**35**	*0.01*
7	Pangas	382	68	82	192	0	0	**724**	202	**926**	*0.27*
8	Boal/Ayre	303	146	313	210	284	422	**1678**	1275	**2953**	*0.88*
9	Shol/Gazar/Taki	0	0	0	0	0	0	**0**	814	**814**	*0.24*
10	Koi	0	0	0	0	0	0	**0**	101	**101**	*0.03*
11	Shingi/Magur	0	0	0	0	0	0	**0**	95	**95**	*0.03*
12	Sarpunti	0	0	184	0	0	0	**184**	19	**203**	*0.06*
13	Cuchia	0	0	0	0	0	0	**0**	1746	**1746**	*0.52*
14	Other Inland Fish	3464	5317	3654	4728	4544	4705	**26412**	30454	**56866**	*16.87*
15	Hilsa/Ilish	184192	1114	5998	610	687	321	**192922**	57925	**250847**	*74.42*
16	Galda	331	147	73	24	21	73	**669**	269	**938**	*0.28*
17	Bagda	0	0	0	0	0	0	**0**	33	**33**	*0.01*
18	Harina	0	0	0	0	0	0	**0**	3034	**3034**	*0.90*
19	Chaka	0	0	0	0	0	0	**0**	18	**18**	*0.01*
20	Other small shrimp/prawn	510	372	221	206	420	800	2529	6972	9501	*2.82*
TOTAL		**190800**	**7860**	**11156**	**6460**	**6445**	**6914**	**229635**	**107416**	**337051**	***100***

- Total Production (Principal River): 229635 MT Hilsa Production (Principal River): 192922 MT
- Total Production (Other River): 107416 MT Hilsa Production (Other River) : 57925 MT
- Annual Growth Rate: 1.58%. (Hilsa: 2.40% and other species: -0.71%)

Table 3.7. Species-wise Annual Fish Catch of Principal River Meghna in 2020-21

[Unit : Metric Ton]

Sl. No.	Species	Lower Meghna							Upper Meghna								Total
		Noakhali	Bhola	Barishal	Lakshmipur	Shariatpur	Chandpur	Sub-Total	Munshiganj	Narayanganj	Cumilla	Narsingdi	Brahmanbaria	Kishoreganj	Habiganj	Sub-Total	
1	Rui	16	42	45	18	23	33	**177**	21	0	37	16	89	109	0	**272**	**449**
2	Catla	15	22	33	13	21	24	**128**	17	0	19	10	57	47	0	**150**	**278**
3	Mrigal	10	21	16	19	5	21	**92**	10	0	15	3	40	54	0	**122**	**214**
4	Kalibaus	0	0	0	0	0	0	**0**	4	0	8	0	9	12	0	**33**	**33**
5	Bata	141	60	193	745	6	76	**1221**	18	0	13	0	26	45	0	**102**	**1323**
6	Ghania	0	0	0	0	0	0	**0**	0	0	4	0	13	0	0	**17**	**17**
7	Pangas	0	144	128	0	28	82	**382**	9	0	10	7	17	25	0	**68**	**450**
8	Boal/Ayre	0	142	57	0	21	83	**303**	12	0	36	8	64	26	0	**146**	**449**
9	Shol/Gazar/Taki	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
10	Koi	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
11	Shingi/Magur	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
12	Sarpunti	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
13	Cuchia	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
14	Other Inland Fish	190	918	1080	591	41	644	**3464**	848	1230	171	1860	681	371	156	**5317**	**8781**
15	Hilsa/Ilish	9512	87015	34551	20366	1602	31146	**184192**	403	108	0	207	233	163	0	**1114**	**185306**
16	Galda	29	91	146	65	0	0	**331**	15	0	28	8	23	71	2	**147**	**478**
17	Bagda	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
18	Harina	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
19	Chaka	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
20	Other small shrimp/prawn	41	129	226	45	19	50	**510**	62	16	94	16	42	104	38	**372**	**882**
	TOTAL	**9954**	**88584**	**36475**	**21862**	**1766**	**32159**	**190800**	**1419**	**1354**	**435**	**2135**	**1294**	**1027**	**196**	**7860**	**198660**

Table 3.8. Species-wise Annual Fish Catch of Principal River Padma in 2020-21

[Unit : Metric Ton]

Sl. No.	Species	Lower Padma								Upper Padma							Total
		Shariatpur	Madaripur	Munshiganj	Dhaka	Manikganj	Faridpur	Rajbari	Sub-Total	Rajbari	Kushtia	Pabna	Natore	Rajshahi	Chapai Nawabganj	Sub-Total	
1	Rui	65	37	21	34	33	37	33	**260**	39	15	59	28	42	45	**228**	**488**
2	Catla	37	19	19	33	23	19	17	**167**	23	7	36	16	34	36	**152**	**319**
3	Mrigal	38	16	12	30	16	19	8	**139**	12	4	9	6	16	18	**65**	**204**
4	Kalibaus	16	11	8	11	9	7	3	**65**	7	3	15	6	7	7	**45**	**110**
5	Bata	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
6	Ghania	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
7	Pangas	18	13	10	13	10	9	9	**82**	1	7	35	31	74	44	**192**	**274**
8	Boal/Ayre	40	53	85	36	37	50	12	**313**	16	11	52	18	52	61	**210**	**523**
9	Shol/Gazar/Taki	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
10	Koi	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
11	Shingi/Magur	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
12	Sarpunti	45	37	22	37	13	14	16	**184**	0	0	0	0	0	0	**0**	**184**
13	Cuchia	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
14	Other Inland Fish	257	788	563	319	376	943	408	**3654**	766	136	1520	376	1098	832	**4728**	**8382**
15	Hilsa/Ilish	2926	203	717	97	1159	366	530	**5998**	306	8	80	13	184	19	**610**	**6608**
16	Galda	6	8	11	11	9	14	14	**73**	6	3	3	0	0	12	**24**	**97**
17	Bagda	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
18	Harina	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
19	Chaka	0	0	0	0		0	0	**0**	0	0	0	0	0	0	**0**	**0**
20	Other small shrimp/prawn	23	13	24	77	32	29	23	**221**	48	12	38	17	45	46	**206**	**427**
TOTAL		**3471**	**1198**	**1492**	**698**	**1717**	**1507**	**1073**	**11156**	**1224**	**206**	**1847**	**511**	**1552**	**1120**	**6460**	**17616**

Table 3.9. Species-wise Annual Fish Catch of Principal River Jamuna and Brahmaputra in 2020-21

[Unit : Metric Ton]

Sl. No.	Species	Jamuna								Brahmaputra				Total	Grand Total
		Manikganj	Pabna	Tangail	Sirajganj	Bogura	Jamalpur	Gaibandha	Sub- Total	Jamalpur	Gaibandha	Kurigram	Sub- Total		
1	Rui	18	15	38	34	14	62	16	**197**	102	40	57	**199**	396	**1333**
2	Catla	10	9	24	40	6	35	7	**131**	77	38	46	**161**	292	**889**
3	Mrigal	8	7	24	39	5	21	6	**110**	74	30	37	**141**	251	**669**
4	Kalibaus	6	0	16	6	0	10	0	**38**	34	33	25	**92**	130	**273**
5	Bata	0	7	0	6	0	0	0	**13**	0	0	0	**0**	13	**1336**
6	Ghania	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**17**
7	Pangas	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**724**
8	Boal/Ayre	63	51	82	9	14	43	22	**284**	150	150	122	**422**	706	**1678**
9	Shol/Gazar/Taki	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
10	Koi	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
11	Shingi/Magur	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
12	Sarpunti	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**184**
13	Cuchia	0	0	0	0	0	0	0	**0**	0	0	0	**0**	**0**	**0**
14	Other Inland Fish	575	836	633	1981	59	353	107	**4544**	1272	793	2640	**4705**	9249	**26412**
15	Hilsa/Ilish	0	41	156	400	4	80	6	**687**	5	6	310	**321**	1008	**192922**
16	Galda	0	5	10	0	6	0	0	**21**	41	32	0	**73**	94	**669**
17	Bagda	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
18	Harina	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
19	Chaka	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
20	Other small shrimp/prawn	87	62	83	52	32	45	59	**420**	337	262	201	**800**	1220	**2529**
TOTAL		**767**	**1033**	**1066**	**2567**	**140**	**649**	**223**	**6445**	**2092**	**1384**	**3438**	**6914**	**13359**	**229635**

Table 3.10. Species-wise Annual Fish Catch of Other Rivers in 2020-21

[Unit : Metric Ton]

Sl. No.	Species	Dhaka	Faridpur	Gazipur	Gopalganj	Jamalpur	Kishoreganj	Madaripur	Manikganj	Munshiganj	Mymensingh	Narayanganj	Narsingdi	Netrakona	Rajbari	Shariatpur	Sherpur	Tangail	Sub-total
1	Rui	43	24	15	44	21	60	14	11	12	38	0	13	31	26	19	82	12	**465**
2	Catla	37	16	14	23	11	25	7	14	7	16	0	7	11	10	13	78	7	**296**
3	Mrigal	21	10	11	24	9	13	0	6	5	12	0	4	10	6	10	46	5	**192**
4	Kalibaus	16	9	9	12	8	0	0	4	4	90	0	0	22	8	8	35	3	**228**
5	Bata	0	0	10	0	2	0	0	3	0	0	0	0	0	0	0	0	0	**15**
6	Ghania	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**
7	Pangas	0	9	0	6	4	0	0	0	22	0	0	0	0	12	0	0	5	**58**
8	Boal/Ayre	34	25	6	18	5	52	12	9	83	90	0	0	22	31	14	80	9	**490**
9	Shol/Gazar/Taki	29	0	11	40	5	11	0	5	0	11	0	0	10	5	6	57	0	**190**
10	Koi	6	0	0	21	4	0	0	5	0	0	0	0	0	0	0	17	0	**53**
11	Shingi/Magur	0	0	0	0	1	0	0	5	0	0	0	0	0	0	0	16	0	**22**
12	Sarpunti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
13	Cuchia	7	16	15	74	6	30	34	11	21	18	9	22	33	11	14	5	15	**341**
14	Other Inland Fish	128	417	312	283	130	1229	188	253	225	979	428	421	1315	327	288	239	187	**7349**
15	Hilsa/Ilish	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	**8**
16	Galda	10	9	0	9	2	0	0	6	14	7	0	13	0	13	7	32	7	**129**
17	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
18	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
19	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
20	Other small Shrimp/ prawn	128	50	123	122	10	4	30	35	33	40	24	61	25	208	25	276	21	**1215**
TOTAL		**459**	**585**	**526**	**684**	**219**	**1424**	**285**	**367**	**426**	**1301**	**461**	**541**	**1479**	**657**	**404**	**963**	**271**	**11052**

Cont'd....

[Unit : Metric Ton]

Sl. No.	Species	Bagerhat	Chuadanga	Jashore	Jhenaidah	Khulna	Kushtia	Magura	Meherpur	Narail	Satkhira	Barguna	Barishal	Bhola	Jhalokati	Patuakhali	Pirojpur	Sub-total
1	Rui	0	17	28	6	0	50	82	3	50	0	0	0	0	0	0	0	**236**
2	Catla	0	17	14	5	0	32	71	2	13	0	0	0	0	0	0	0	**154**
3	Mrigal	0	0	7	0	0	0	9	1	43	0	0	0	0	0	0	0	**60**
4	Kalibaus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
5	Bata	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	**58**
6	Ghania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
7	Pangas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
8	Boal/Ayre/Guizza Ayre	0	0	4	0	0	22	0	11	12	10	0	0	0	0	0	0	**59**
9	Shol/Gazar/Taki	11	24	73	24	31	18	0	29	35	74	0	0	0	0	0	0	**319**
10	Koi	0	0	0	6	0	7	0	0	0	0	3	0	0	0	0	0	**16**
11	Shingi/Magur	0	0	16	0	0	5	0	0	0	12	0	0	0	0	0	0	**33**
12	Sarpunti	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	**4**
13	Cuchia	27	3	4	3	20	12	3	1	1	41	49	138	427	31	46	28	**834**
14	Other Inland Fish	1578	157	651	152	1086	483	761	94	367	202	969	1962	389	741	529	2014	**12135**
15	Hilsa/Ilish	848	0	0	0	1078	0	0	0	4	0	5190	2526	3069	1108	30352	1481	**45656**
16	Galda	0	0	0	0	19	6	0	0	0	0	0	14	6	14	0	0	**59**
17	Bagda	0	0	0	0	19	0	0	0	0	0	0	8	0	0	6	0	**33**
18	Harina	1820	0	0	0	615	0	0	0	0	524	0	22	11	38	0	4	**3034**
19	Chaka	8	0	0	0	5	0	0	0	0	5	0	0	0	0	0	0	**18**
20	Other small shrimp/ prawn	1030	135	176	159	783	414	201	147	374	485	28	55	19	87	8	25	**4126**
TOTAL		**5322**	**353**	**973**	**355**	**3656**	**1049**	**1127**	**288**	**961**	**1353**	**6239**	**4725**	**3921**	**2019**	**30941**	**3552**	**66834**

Cont'd....

[Unit : Metric Ton]

Sl. No.	Species	Dinajpur	Gaibandha	Kurigram	Lalmonirhat	Nilphamari	Panchagarh	Rangpur	Thakurgaon	Bogura	Chapai Nawabganj	Joypurhat	Naogaon	Natore	Pabna	Rajshahi	Sirajganj	Sub-total
1	Rui	0	50	13	11	6	0	12	0	52	82	42	112	91	120	76	105	**772**
2	Catla	0	42	6	9	5	0	11	0	51	60	30	66	66	69	47	70	**532**
3	Mrigal	0	19	15	6	3	0	5	0	40	61	11	46	24	70	35	36	**371**
4	Kalibaus	0	18	0	2	0	0	6	0	0	0	0	3	11	9	0	9	**58**
5	Bata	0	13	0	3	0	0	0	0	0	0	0	3	9	0	0	6	**34**
6	Ghania	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	3	**8**
7	Pangas	0	24	0	0	0	0	0	0	3	16	0	6	6	11	24	24	**114**
8	Boal/Ayre/Guizza Ayre	0	54	51	31	0	0	7	0	8	22	9	5	6	37	31	16	**277**
9	Shol/Gazar/Taki	0	11	0	8	0	0	0	0	0	0	5	3	6	46	4	5	**88**
10	Koi	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	3	**9**
11	Shingi/Magur	0	0	0	0	0	0	0	0	0	0	0	3	1	0	3	1	**8**
12	Sarpunti	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	1	**6**
13	Cuchia	2	18	15	0	1	0	6	2	55	4	7	15	21	65	6	73	**290**
14	Other Inland Fish	285	234	447	100	124	106	100	98	546	550	66	978	67	888	648	1455	**6692**
15	Hilsa/Ilish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
16	Galda	0	0	0	3	2	0	0	0	0	0	0	0	6	0	6	7	**24**
17	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
18	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
19	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
20	Other small shrimp/ prawn	9	42	25	34	61	19	17	18	19	18	27	61	46	71	58	151	**676**
TOTAL		**296**	**525**	**572**	**207**	**202**	**125**	**164**	**118**	**774**	**813**	**197**	**1305**	**367**	**1386**	**943**	**1965**	**9959**

Cont'd....

[Unit : Metric Ton]

Sl. No.	Species	Bandarban	Brahmanbaria	Chandpur	Chattogram	Cumilla	Cox's Bazar	Feni	Khagrachhari	Lakshmipur	Noakhali	Rangamati	Habiganj	Moulvibazar	Sunamganj	Sylhet	Sub-total	Total
1	Rui	7	59	59	4	70	0	58	0	3	3	6	36	15	46	59	**425**	**1898**
2	Catla	6	28	7	3	16	0	54	0	2	1	3	12	9	13	6	**160**	**1142**
3	Mrigal	5	11	3	2	6	0	51	0	1	0	3	20	7	15	7	**131**	**754**
4	Kalibaus	0	4	4	1	5	0	0	0	0	0	3	0	0	0	61	**78**	**364**
5	Bata	0	4	0	0	0	0	81	0	7	3	4	0	20	57	0	**176**	**283**
6	Ghania	0	3	3	0	0	0	3	0	0	0	0	0	0	0	0	**9**	**18**
7	Pangas	0	10	0	0	0	0	0	0	2	3	0	0	6	5	4	**30**	**202**
8	Boal/Ayre/Guizza Ayre	0	105	48	0	62	0	85	0	4	2	14	0	8	58	63	**449**	**1275**
9	Shol/Gazar/Taki	0	14	49	0	17	0	71	0	3	2	11	0	8	21	21	**217**	**814**
10	Koi	0	2	0	0	4	0	0	0	2	1	0	0	5	3	6	**23**	**101**
11	Shingi/Magur	6	4	0	0	4	0	0	0	3	1	0	0	6	2	6	**32**	**95**
12	Sarpunti	0	5	0	0	4	0	0	0	0	0	0	0	0	0	0	**9**	**19**
13	Cuchia	3	12	16	49	54	21	24	4	7	38	8	17	5	11	12	**281**	**1746**
14	Other Inland Fish	78	415	479	41	263	18	505	187	59	31	177	667	344	511	503	**4278**	**30454**
15	Hilsa/Ilish	0	0	2846	6757	0	2354	61	0	169	62	0	0	1	5	6	**12261**	**57925**
16	Galda	0	4	5	5	25	6	0	0	3	1	0	0	5	3	0	**57**	**269**
17	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**33**
18	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**3034**
19	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**18**
20	Other small shrimp/ prawn	47	22	17	19	73	13	353	12	18	5	5	79	51	121	120	**955**	**6972**
TOTAL		**152**	**702**	**3536**	**6881**	**603**	**2412**	**1346**	**203**	**283**	**153**	**234**	**831**	**490**	**871**	**874**	**19571**	**107416**

Table 3.11. Annual Fish Production of Sundarbans Fisheries in 2020-21

[Unit : Metric Ton]

Zone	District	Hilsa	Big Shrimp/ Prawn	Small Shrimp/ Prawn	Other Fish	Total
East Sundarbans	Bagerhat	61	8	240	19894	**20203**
West Sundarbans	Khulna	341	66	17	285	**709**
West Sundarbans	Satkhira	341	28	8	255	**632**
TOTAL	-	**743**	**102**	**265**	**20434**	**21544**
%	-	***3.45***	***0.48***	***1.23***	***94.84***	***100***

Source: Catch data of Sundarbans is supplied by the Forest Department

Annual Growth Rate: 2.56% (Hilsa: -16.52%, Shrimp: 2.51% and other species: 3.42%)

Table 3.12. Annual Fish Production of Beels in 2020-21

[Area in Hectare] *[Production in Metric Ton]*

Sl. No.	District	Natural Source		Beel Nursery Program		Total	
		Area	Production	Area	Production	Area	Production
1	Dhaka	913	734	83	103	996	837
2	Faridpur	221	258	205	346	426	604
3	Gazipur	1543	1518	177	279	1720	1797
4	Gopalganj	650	545	251	336	901	881
5	Kishoreganj	5213	4976	1624	2118	6837	7094
6	Madaripur	102	119	161	203	263	322
7	Manikganj	503	364	269	332	772	696
8	Munshiganj	330	266	19	20	349	286
9	Narayanganj	207	150	9	15	216	165
10	Narsingdi	969	1038	195	264	1164	1302
11	Rajbari	159	177	90	127	249	304
12	Shariatpur	72	42	4	4	76	46
13	Tangail	1951	1969	382	420	2333	2389
	Dhaka Division	**12833**	**12156**	**3469**	**4567**	**16302**	**16723**
14	Jamalpur	2573	2201	787	1093	3360	3294
15	Mymensingh	6831	6072	515	481	7346	6553
16	Netrakona	8347	6857	8	15	8355	6872
17	Sherpur	3430	2459	78	109	3508	2568
	Mymensingh Division	**21181**	**17589**	**1388**	**1698**	**22569**	**19287**
18	Bagerhat	39	24	9	8	48	32
19	Chuadanga	1145	1085	16	23	1161	1108
20	Jashore	2523	1470	187	277	2710	1747
21	Jhenaidah	937	872	194	202	1131	1074
22	Khulna	249	221	22	20	271	241
23	Kushtia	424	315	163	263	587	578
24	Magura	288	119	44	36	332	155
25	Meherpur	416	319	33	72	449	391
26	Narail	520	316	344	243	864	559
27	Satkhira	41	28	5	5	46	33
	Khulna Division	**6582**	**4769**	**1017**	**1149**	**7599**	**5918**
28	Barguna	0	0	0	0	0	0
29	Barishal	41	36	0	0	41	36
30	Bhola	0	0	0	0	0	0
31	Jhalokati	14	15	0	0	14	15
32	Patuakhali	0	0	0	0	0	0
33	Pirojpur	20	10	0	0	20	10
	Barishal Division	**75**	**61**	**0**	**0**	**75**	**61**

Cont'd....

[Area in Hectare] *[Production in Metric Ton]*

Sl. No.	District	Natural Source		Beel Nursery Program		Total	
		Area	Production	Area	Production	Area	Production
34	Dinajpur	777	548	5	14	782	562
35	Gaibandha	685	468	134	109	819	577
36	Kurigram	1000	1082	351	621	1351	1703
37	Lalmonirhat	314	228	289	358	603	586
38	Nilphamari	567	293	241	219	808	512
39	Panchagarh	93	47	17	11	110	58
40	Rangpur	1784	1737	126	155	1910	1892
41	Thakurgaon	287	162	74	51	361	213
	Rangpur Division	**5507**	**4565**	**1237**	**1538**	**6744**	**6103**
42	Bogura	3242	2316	275	322	3517	2638
43	Chapai Nawabganj	4581	2812	223	260	4804	3072
44	Joypurhat	242	214	42	61	284	275
45	Naogaon	5729	3567	1926	1756	7655	5323
46	Natore	1078	773	315	305	1393	1078
47	Pabna	1165	1130	1188	1610	2353	2740
48	Rajshahi	4742	3312	1255	893	5997	4205
49	Sirajganj	619	484	283	313	902	797
	Rajshahi Division	**21398**	**14608**	**5507**	**5520**	**26905**	**20128**
50	Bandarban	0	0	0	0	0	0
51	Brahmanbaria	333	321	135	181	468	502
52	Chandpur	133	81	228	218	361	299
53	Chattogram	89	53	0	0	89	53
54	Cumilla	185	225	89	111	274	336
55	Cox's Bazar	0	0	0	0	0	0
56	Feni	0	0	0	0	0	0
57	Khagrachhari	48	25	27	30	75	55
58	Lakshmipur	0	0	0	0	0	0
59	Noakhali	0	0	0	0	0	0
60	Rangamati	0	0	0	0	0	0
	Chattogram Division	**788**	**705**	**479**	**540**	**1267**	**1245**
61	Habiganj	2534	2168	444	491	2978	2659
62	Moulvibazar	2487	1873	1005	1104	3492	2977
63	Sunamganj	20926	24275	42	79	20968	24354
64	Sylhet	4587	4459	675	957	5262	5416
	Sylhet Division	**30534**	**32775**	**2166**	**2631**	**32700**	**35406**
	TOTAL	**98898**	**87228**	**15263**	**17643**	**114161**	**104871**

Source	Area (Ha)	Production (MT)	%	MT/Ha	*Growth Rate (%)*
Natural Source	98898	87228	*83.18*	0.88	*1.26*
Beel Nursery Program	15263	17643	*16.82*	1.16	*4.00*
TOTAL	**114161**	**104871**	*100*	**0.92**	*1.71*

Note : Area of Beel from SPARRSO Report, 1983 and district-wise area from CEGIS Report, 2002

Table 3.13. Species Composition of Annual Fish Production of Beels in 2020-21

Sl. No.	Species	Production (Metric Ton)	%
1	Rui	13558	*12.93*
2	Catla	8734	*8.33*
3	Mrigal	9500	*9.06*
4	Kalibaus	1837	*1.75*
5	Bata	1636	*1.56*
6	Ghania	1098	*1.05*
7	Silver carp	4648	*4.43*
8	Grass carp	2046	*1.95*
9	Mirror/Common carp	2573	*2.45*
10	Other Exotic carp	821	*0.78*
11	Pangas	185	*0.18*
12	Boal/Ayre	4714	*4.50*
13	Shol/Gazar/Taki	3593	*3.43*
14	Koi	2684	*2.56*
15	Shingi/Magur	2007	*1.91*
16	Tilapia/ Nilotica	1535	*1.46*
17	Sarpunti/Thai punti	4313	*4.11*
18	Big Shrimp/ Prawn	66	*0.06*
19	Small Shrimp/ Prawn	4246	*4.05*
20	Cuchia	1919	*1.83*
21	Other Inland Fish	33158	*31.62*
TOTAL		**104871**	***100***

Other Fish: Chapila, Tengra, Punti, Chital, Phali, Pabda, Baim, Mola etc.

Table 3.14. Annual Fish Production of Kaptai Lake in 2020-21

Sl. No.	Species	Production (Metric Ton)	%
1	Rui *(Labeo rohita)*	9	*0.07*
2	Catla *(Catla catla)*	14	*0.11*
3	Mrigal *(Cirrhinus cirrhosus)*	4	*0.03*
4	Kalibaus *(Labeo calbasu)*	11	*0.09*
5	Bata *(Labeo bata)*	15	*0.12*
6	Ghania *(Labeo gonius)*	0	*0.00*
7	Silver Carp *(Hypophthalmichthys molitrix)*	0	*0.00*
8	Grass Carp *(Ctenopharyngodon idella)*	4	*0.03*
9	Common Carp *(Cyprinus carpio)*	0	*0.00*
10	Other Exotic Carp	0	*0.00*
11	Pangas *(Pangasius pangasius)*	0	*0.00*
12	Boal/Ayre/Guizza Ayre *(Wallago attu/Sperata aor/Sperata seenghala)*	137	*1.11*
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	29	*0.25*
14	Koi *(Anabas testudineus)*	0.02	*0.00*
15	Shingi/Magur *(Heteropneustes fossilis/Clarias batrachus)*	2	*0.02*
16	Big Prawn	0	*0.00*
17	Small Prawn	130	*1.05*
18	Tilapia/Nilotica *(Oreochromis mossambicus/O. niloticus)*	17	*0.14*
19	Sarpunti *(Puntius sarana)*	9	*0.07*
20	Other Fish	11964	*96.91*
TOTAL		**12345**	***100***

Source:

- Catch data of Kaptai Lake are supplied by Bangladesh Fisheries Development Corporation (BFDC)
- Other Inland Fish: Chapila, Tengra, Punti, Chital, Phali, Pabda, Bacha, Kazoli, Baim, Kachki, Mola, etc.
- Annual Growth Rate: -2.76%

Table 3.15. Annual Fish Catch of Floodplains in 2020-21

District	Subsistence Fisheries			Fry Released Program			Haor		Total Production (MT) (A+B+C)
	No. of Subsistence Household ('000)	Average Catch per Household (kg)	Total Estimated Catch (MT) (A)	Area (Ha)	No.of Fry Released (Lakh)	Production (MT) (B)	Area (Ha)	Production (MT) (C)	
Dhaka	106	44.61	4729	6020	0.52	1492	0	0	6221
Faridpur	174	49.93	8688	1386	1.64	572	0	0	9260
Gazipur	273	62.12	16958	1145	0.98	332	0	0	17290
Gopalganj	137	47.15	6460	5077	1.00	2201	0	0	8661
Kishoreganj	230	94.09	21640	3060	0.71	1424	63956	22473	45537
Madaripur	136	61.94	8424	827	4.95	237	0	0	8661
Manikganj	211	51.42	10849	877	6.42	349	0	0	11198
Munshiganj	230	49.96	11490	1760	5.75	398	0	0	11888
Narayanganj	67	22.03	1476	447	0.00	220	0	0	1696
Narsingdi	212	56.51	11981	3196	0.60	1160	0	0	13141
Rajbari	159	39.76	6322	1580	10.98	220	0	0	6542
Shariatpur	131	42.24	5534	341	2.07	138	0	0	5672
Tangail	240	42.16	10118	2355	2.92	1705	0	0	11823
Dhaka Division	**2306**	**54.06**	**124669**	**28071**	**38.54**	**10448**	**63956**	**22473**	**157590**
Jamalpur	205	48.53	9949	364	1.85	92	0	0	10041
Mymensingh	246	44.63	10979	500	0.48	451	0	0	11430
Netrakona	115	112.15	12897	1519	3.35	1024	40240	23287	37208
Sherpur	183	13.54	2477	291	2.78	106	0	0	2583
Mymensingh Division	**749**	**48.47**	**36302**	**2674**	**8.46**	**1673**	**40240**	**23287**	**61262**
Bagerhat	213	21.95	4675	1554	2.03	478	0	0	**5153**
Chuadanga	62	21.27	1319	62	2.98	21	0	0	1340
Jashore	265	135.81	35989	673	0.16	307	0	0	36296
Jhenaidah	192	31.83	6111	485	0.00	305	0	0	6416
Khulna	301	67.13	20207	1660	2.17	799	0	0	21006
Kushtia	182	19.25	3503	889	2.00	436	0	0	3939
Magura	98	30.08	2948	32	1.11	5	0	0	2953
Meherpur	67	10.72	718	316	0.13	171	0	0	889
Narail	35	84.09	2943	582	0.35	415	0	0	3358
Satkhira	120	115.73	13887	442	1.42	224	0	0	14111
Khulna Division	**1535**	**60.13**	**92300**	**6695**	**12.35**	**3161**	**0**	**0**	**95461**
Barguna	80	45.95	3676	0	0.00	0	0	0	3676
Barishal	216	42.85	9255	1120	2.73	172	0	0	9427
Bhola	160	33.33	5333	0	0.00	0	0	0	5333
Jhalokati	122	36.33	4432	606	1.60	325	0	0	4757
Patuakhali	184	56.74	10441	255	1.80	166	0	0	10607
Pirojpur	111	35.39	3928	735	3.63	211	0	0	4139
Barishal Division	**873**	**42.46**	**37065**	**2716**	**9.76**	**874**	**0**	**0**	**37939**

Cont'd....

District	Subsistence Fisheries			Fry Released Program			Haor		Total Production (MT) (A+B+C)
	No. of Subsistence Household ('000')	Average Catch per Household (kg)	Total Estimated Catch (MT) (A)	Area (Ha)	No.of Fry Released (Lakh)	Production (MT) (B)	Area (Ha)	Production (MT) (C)	
Dinajpur	421	14.51	6107	14	3.00	7	0	0	6114
Gaibandha	304	19.90	6051	389	4.90	305	0	0	6356
Kurigram	241	45.64	11000	860	1.69	502	0	0	11502
Lalmonirhat	119	12.10	1440	1159	0.21	407	0	0	1847
Nilphamari	121	30.06	3637	398	0.06	136	0	0	3773
Panchagarh	132	21.92	2893	225	0.02	119	0	0	3012
Rangpur	210	39.76	8349	167	1.80	156	0	0	8505
Thakurgaon	114	34.69	3955	278	0.21	116	0	0	4071
Rangpur Division	**1662**	**26.13**	**43432**	**3690**	**11.89**	**1748**	**0**	**0**	**45180**
Bogura	100	47.00	4700	1706	13.68	247	0	0	4947
Chapai Nawabganj	47	32.34	1520	42	0.14	23	0	0	1543
Joypurhat	22	7.32	161	2	0.20	1	0	0	162
Naogaon	333	42.46	14139	3155	1.22	1742	0	0	15881
Natore	248	52.74	13079	4949	1.23	3391	0	0	16470
Pabna	243	38.05	9246	3874	4.36	2134	0	0	11380
Rajshahi	215	27.86	5989	1256	1.90	600	0	0	6589
Sirajganj	427	78.33	33448	1387	13.37	803	0	0	34251
Rajshahi Division	**1635**	**50.33**	**82282**	**16371**	**36.10**	**8941**	**0**	**0**	**91223**
Bandarban	18	8.50	153	85	0.60	15	0	0	168
Brahmanbaria	273	61.07	16671	1549	3.53	882	8050	3633	21186
Chandpur	351	70.11	24607	692	1.22	272	0	0	24879
Chattogram	52	14.12	734	0	0.00	0	0	0	734
Cumilla	621	118.31	73472	2903	5.03	1400	0	0	74872
Cox's Bazar	91	12.53	1140	288	1.30	217	0	0	1357
Feni	253	27.67	7001	358	0.56	192	0	0	7193
Khagrachhari	0	0.00	0	0	0.00	0	0	0	0
Lakshmipur	146	72.42	10574	193	0.60	160	0	0	10734
Noakhali	352	80.46	28321	916	5.13	326	0	0	28647
Rangamati	0	0.00	0	43	0.08	4	0	0	4
Chattogram Division	**2157**	**75.42**	**162673**	**7027**	**18.05**	**3468**	**8050**	**3633**	**169774**
Habiganj	180	110.58	19905	903	1.22	492	25470	8684	29081
Moulvibazar	154	79.59	12257	1348	1.76	1352	24217	11129	24738
Sunamganj	242	136.96	33144	6145	9.30	5066	60154	31933	70143
Sylhet	168	165.95	27880	1410	1.42	1231	29630	13931	43042
Sylhet Division	**744**	**125.25**	**93186**	**9806**	**13.70**	**8141**	**139471**	**65677**	**167004**
TOTAL	**11661**	**57.62**	**671909**	**77050**	**149**	**38454**	**251717**	**115070**	**825433**

Source	Area (Ha)	Production (MT)	%	MT/Ha	*Growth Rate (%)*
Subsistence Fisheries	2317175	671909	81.40	*0.29*	*6.72*
Fry Released Program	77050	38454	4.66	*0.50*	*0.12*
Haor	251717	115070	13.94	*0.46*	*2.94*
Total	**2645942**	**825433**	**100**	***0.31***	***5.85***

Table 3.16. Species Composition of Annual Fish Catch of Floodplains in 2020-21

Sl. No.	Species	Production (Metric Ton)	%
1	Rui	46441	5.63
2	Catla	19941	2.42
3	Mrigal	25124	3.04
4	Kalibaus	3047	0.37
5	Bata	1253	0.15
6	Ghania	1923	0.23
7	Silver carp	2663	0.32
8	Grass carp	7105	0.86
9	Mirror/Common carp	21433	2.60
10	Other Exotic carp	0	0.00
11	Pangas	9378	1.14
12	Boal/Ayre	64392	7.80
13	Shol/Gazar/Taki	71112	8.62
14	Koi	9696	1.18
15	Shingi/Magur	59050	7.15
16	Tilapia/Nilotica	0	0.00
17	Sarpunti/Thai punti	20331	2.46
18	Big Shrimp/Prawn	1984	0.24
19	Small Shrimp/Prawn	45911	5.56
20	Cuchia	4653	0.56
21	Other Inland Fish	409996	49.67
TOTAL		**825433**	**100**

Table 3.17. Annual Fish Production of Ponds in 2020-21

[Area in Hectare] *[Production in Metric Ton]*

Sl. No.	District	Extensive		Semi-intensive		Intensive		Highly Intensive		Total		
		< 1.5 MT/Ha		1.5 - 4.0 MT/ Ha		>4- 10 MT/Ha		>10.0 MT/Ha				
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	MT/Ha
1	Dhaka	0	0	1601	6110	306	2490	15	245	1922	8845	*4.60*
2	Faridpur	68	94	2127	7582	1655	11469	126	1762	3976	20907	*5.26*
3	Gazipur	53	75	2249	8096	1438	12788	362	5531	4102	26490	*6.46*
4	Gopalganj	680	1008	1756	6829	1371	8856	10	103	3817	16796	*4.40*
6	Kishoreganj	269	367	2881	11432	1661	12654	167	2166	4978	26619	*5.35*
6	Madaripur	189	267	2010	6436	588	4608	159	1855	2946	13166	*4.47*
7	Manikganj	346	512	1620	6407	610	5806	20	295	2596	13020	*5.02*
8	Munshiganj	182	269	1797	7159	245	2335	0	0	2224	9763	*4.39*
9	Narayanganj	0	0	1336	4205	768	6030	0	0	2104	10235	*4.86*
10	Narsingdi	77	114	1214	3918	907	8032	655	11336	2853	23400	*8.20*
11	Rajbari	128	185	2630	10066	943	4975	0	0	3701	15226	*4.11*
12	Shariatpur	27	39	1779	7018	823	7050	0	0	2629	14107	*5.37*
13	Tangail	4	6	3131	8615	4410	28291	231	2812	7776	39724	*5.11*
	Dhaka Division	**2023**	**2936**	**26131**	**93873**	**15725**	**115384**	**1745**	**26105**	**45624**	**238298**	**5.22**
14	Jamalpur	39	41	2062	7787	1317	9022	104	1363	3522	18213	5.17
15	Mymensingh	668	854	7006	23211	11846	87987	9660	207842	29180	319894	10.96
16	Netrakona	427	625	5250	20845	2408	18011	36	455	8121	39936	4.92
17	Sherpur	50	71	2382	7791	1494	8300	615	6729	4541	22891	5.04
	Mymensingh Division	**1184**	**1591**	**16700**	**59634**	**17065**	**123320**	**10415**	**216389**	**45364**	**400934**	**8.84**
18	Bagerhat	1708	2529	3487	13803	150	1399	0	0	5345	17731	3.32
19	Chuadanga	15	18	1059	3364	1157	8115	0	0	2231	11497	5.15
20	Jashore	88	129	9637	38115	5712	54270	2275	39957	17712	132471	7.48
21	Jhenaidah	22	30	2643	10300	2517	16959	0	0	5182	27289	5.27
22	Khulna	191	278	3862	11997	856	5121	0	0	4909	17396	3.54
23	Kushtia	0	0	2608	10381	1913	13056	7	77	4528	23514	5.19
24	Magura	13	18	1964	7548	345	3252	0	0	2322	10818	4.66
25	Meherpur	0	0	1354	5242	218	1817	0	0	1572	7059	4.49
26	Narail	59	83	646	2456	394	2447	0	0	1099	4986	4.54
27	Satkhira	6606	8244	4267	10317	1813	16299	438	5027	13124	39887	3.04
	Khulna Division	**8702**	**11329**	**31527**	**113523**	**15075**	**122735**	**2720**	**45061**	**58024**	**292648**	**5.04**
28	Barguna	476	698	1937	6655	28	228	0	0	2441	7581	3.11
29	Barishal	895	905	6238	23411	2629	13441	60	632	9822	38389	3.91
30	Bhola	330	459	2015	6595	5606	30829	26	335	7977	38218	4.79
31	Jhalokati	6	8	937	3454	235	1097	0	0	1178	4559	3.87
32	Patuakhali	1216	1758	6882	22324	175	1113	0	0	8273	25195	3.05
33	Pirojpur	760	1075	1950	5812	302	2015	0	0	3012	8902	2.96
	Barishal Division	**3683**	**4903**	**19959**	**68251**	**8975**	**48723**	**86**	**967**	**32703**	**122844**	**3.76**

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[Area in Hectare] [Production in Metric Ton]

Sl. No.	District	Extensive < 1.5 MT/Ha		Semi-intensive 1.5 - 4.0 MT/ Ha		Intensive >4- 10 MT/Ha		Highly Intensive >10.0 MT/Ha		Total		
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	MT/Ha
34	Dinajpur	8	12	5182	19508	4152	25574	378	4479	9720	49573	5.10
35	Gaibandha	0	0	5192	20654	639	5230		0	5831	25884	4.44
36	Kurigram	155	230	3250	12463	1005	6830	130	1432	4540	20955	4.62
37	Lalmonirhat	0	0	2715	10816	543	3125	21	235	3279	14176	4.32
38	Nilphamari	0	0	1911	7405	2307	11725	91	1094	4309	20224	4.69
39	Panchagarh	0	0	2035	7030	1011	5004	172	1879	3218	13913	4.32
40	Rangpur	0	0	4588	17738	1834	13197	6	68	6428	31003	4.82
41	Thakurgaon	0	0	3768	14794	1432	8375	194	2343	5394	25512	4.73
	Rangpur Division	**163**	**242**	**28641**	**110408**	**12923**	**79060**	**992**	**11530**	**42719**	**201240**	**4.71**
42	Bogura	414	611	9502	37805	3699	32988	753	16836	14368	88240	6.14
43	Chapai Nawabganj	0	0	2376	8609	756	4411	0	0	3132	13020	4.16
44	Joypurhat	0	0	2105	7281	2529	16104	0	0	4634	23385	5.05
45	Naogaon	0	0	9583	35807	3149	21440	118	1368	12850	58615	4.56
46	Natore	0	0	5298	21014	2756	23298	243	3727	8297	48039	5.79
47	Pabna	0	0	8510	32572	2007	13358	29	332	10546	46262	4.39
48	Rajshahi	0	0	4583	16697	7620	42896	365	3806	12568	63399	5.04
49	Sirajganj	67	79	2996	11937	2291	14077	0	0	5354	26093	4.87
	Rajshahi Division	**481**	**690**	**44953**	**171722**	**24807**	**168572**	**1508**	**26069**	**71749**	**367053**	**5.12**
50	Bandarban	110	152	326	795	82	419	0	0	518	1366	2.64
51	Brahmanbaria	72	103	4294	17106	2431	18245	61	1015	6858	36469	5.32
52	Chandpur	174	246	6375	22872	2872	14798	0	0	9421	37916	4.02
53	Chattogram	6450	9151	12915	46200	1775	10160	80	1004	21220	66515	3.13
54	Cumilla	1445	2055	12548	48687	7529	66996	1111	20970	22633	138708	6.13
55	Cox's Bazar	70	95	1207	4320	61	335	5	61	1343	4811	3.58
56	Feni	305	438	4048	15501	1040	8422	43	580	5436	24941	4.59
57	Khagrachhari	141	201	806	2103	93	615	0	0	1040	2919	2.81
58	Lakshmipur	239	329	6027	21470	1869	9744	0	0	8135	31543	3.88
59	Noakhali	948	1319	11722	44141	455	3953	0	0	13125	49413	3.76
60	Rangamati	78	112	397	989	9	59	0	0	484	1160	2.40
	Chattogram Division	**10032**	**14201**	**60665**	**224184**	**18216**	**133746**	**1300**	**23630**	**90213**	**395761**	**4.39**
61	Habiganj	1075	1515	2551	8588	1175	7373	108	1166	4909	18642	3.80
62	Moulvibazar	3338	4152	2615	9957	1232	8412	2	27	7187	22548	3.14
63	Sunamganj	489	702	2437	8503	179	1387	4	58	3109	10650	3.43
64	Sylhet	1024	1344	3407	9713	1576	8897	17	215	6024	20169	3.35
	Sylhet Division	**5926**	**7713**	**11010**	**36761**	**4162**	**26069**	**131**	**1466**	**21229**	**72009**	**3.39**
	TOTAL	**32194**	**43605**	**239586**	**878356**	**116948**	**817609**	**18897**	**351217**	**407625**	**2090787**	**5.13**

Culture Method	Production Range	Number of Pond	Area		Production		MT/Ha	Growth Rate (%)
			(Ha)	%	(MT)	%		
Extensive	*<1.5MT/Ha*	490932	32194	*7.90*	43605	*2.09*	1.35	*-0.24*
Semi-intensive	*1.5-4 MT/Ha*	1408117	239586	*58.78*	878356	*42.01*	3.67	*-1.08*
Intensive	*>4 - 10MT/Ha*	514087	116948	*28.69*	817609	*39.11*	6.99	*8.70*
Highly Intensive	*>10 MT/Ha*	77553	18897	*4.64*	351217	*16.80*	18.59	*-3.10*
TOTAL		**2490689**	**407625**	***100***	**2090787**	***100***	5.13	*2.18*

Note: Pond Area from SPARRSO (Space Research and Remote Sensing Organization)Report, 1983 and updated on the basis of DFO (District Fisheries Office) Report 2020-21

Table 3.18. Species Composition of Annual Fish Production of Ponds in 2020-21

Sl. No.	Species	Production (Metric Ton)	%
1	Rui *(Labeo rohita)*	294837	*14.10*
2	Catla *(Catla catla)*	184692	*8.83*
3	Mrigal *(Cirrhinus cirrhosus)*	197387	*9.44*
4	Kalibaus *(Labeo calbasu)*	36774	*1.76*
5	Bata *(Labeo bata)*	46441	*2.22*
6	Ghania *(Labeo gonius)*	15704	*0.75*
7	Silver Carp *(Hypophthalmichthys molitrix)*	214412	*10.26*
8	Grass Carp *(Ctenopharyngodon idella)*	51945	*2.48*
9	Common Carp *(Cyprinus carpio)*	82949	*3.97*
10	Other Exotic Carp	32894	*1.57*
11	Pangas *(Pangasius pangasius)*	391442	*18.72*
12	Boal/Ayre *(Wallago attu/Sperata aor/Sperata seenghala)*	653	*0.03*
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	2367	*0.11*
14	Koi *(Anabas testudineus)*	52880	*2.53*
15	Shingi/Magur *(Heteropneustes fossilis/Clarias batrachus)*	38195	*1.83*
16	Big Shrimp/Prawn	2527	*0.12*
17	Small Shrimp/Prawn	3009	*0.14*
18	Tilapia/Nilotica *(Oreochromis mossambicus/O. niloticus)*	315887	*15.11*
19	Sarpunti *(Puntius sarana)*	49955	*2.39*
20	Cuchia *(Monopterus cuchia)*	406	*0.02*
21	Other Fish	75431	*3.61*
	TOTAL	**2090787**	***100***

Table 3.19. District-wise Species Composition of Fish Production of Ponds in 2020-21

Sl. No.	Species	Dhaka		Faridpur		Gazipur		Gopalganj		Kishoreganj		Madaripur		Manikganj		Munshiganj		Narayanganj	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	1697	*19.19*	3994	*19.10*	2692	*10.16*	3199	*19.05*	4299	*16.15*	1957	*14.86*	2446	*18.79*	1862	*19.07*	1376	*13.44*
2	Catla	1381	*15.61*	3037	*14.53*	2050	*7.74*	2117	*12.60*	2669	*10.03*	1286	*9.77*	1322	*10.15*	1336	*13.68*	1345	*13.14*
3	Mrigal	1246	*14.09*	2296	*10.98*	1502	*5.67*	1644	*9.79*	3019	*11.34*	1255	*9.53*	1493	*11.47*	998	*10.22*	1095	*10.70*
4	Kalibaus	415	*4.69*	271	*1.30*	230	*0.87*	511	*3.04*	958	*3.60*	61	*0.46*	165	*1.27*	341	*3.49*	640	*6.25*
5	Bata	501	*5.66*	946	*4.52*	222	*0.84*	607	*3.61*	505	*1.90*	283	*2.15*	286	*2.20*	375	*3.84*	484	*4.73*
6	Ghania	192	*2.17*	0	*0.00*	25	*0.09*	180	*1.07*	365	*1.37*	0	*0.00*	110	*0.84*	125	*1.28*	225	*2.20*
7	Silver carp	1046	*11.83*	2738	*13.10*	6151	*23.22*	1831	*10.90*	3702	*13.91*	1259	*9.56*	1312	*10.08*	395	*4.05*	1081	*10.56*
8	Grass carp	489	*5.53*	882	*4.22*	989	*3.73*	1007	*6.00*	1157	*4.35*	288	*2.19*	229	*1.76*	109	*1.12*	415	*4.05*
9	Mirror/Common carp	349	*3.95*	1602	*7.66*	1222	*4.61*	1032	*6.14*	1659	*6.23*	559	*4.25*	686	*5.27*	198	*2.03*	436	*4.26*
10	Other Exotic carp	259	*2.93*	562	*2.69*	298	*1.12*	458	*2.73*	145	*0.54*	141	*1.07*	120	*0.92*	19	*0.19*	133	*1.30*
11	Pangas	120	*1.36*	1038	*4.96*	2029	*7.66*	412	*2.45*	3607	*13.55*	2217	*16.84*	1826	*14.02*	1361	*13.94*	1048	*10.24*
12	Boal/Ayre	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	23	*0.22*
13	Shol/Gazar/Taki	8	*0.09*	0	*0.00*	0	*0.00*	0	*0.00*	4	*0.02*	0	*0.00*	0	*0.00*	36	*0.37*	5	*0.05*
14	Koi	33	*0.37*	81	*0.39*	86	*0.32*	318	*1.89*	412	*1.55*	471	*3.58*	490	*3.76*	68	*0.70*	38	*0.37*
15	Shingi/Magur	41	*0.46*	72	*0.34*	215	*0.81*	138	*0.82*	365	*1.37*	148	*1.12*	116	*0.89*	61	*0.62*	58	*0.57*
16	Big Shrimp/Prawn	0	*0.00*	2	*0.01*	0	*0.00*	403	*2.40*	0	*0.00*	21	*0.16*	0	*0.00*	0	*0.00*	0	*0.00*
17	Small Shrimp/Prawn	10	*0.11*	7	*0.03*	0	*0.00*	99	*0.59*	0	*0.00*	45	*0.34*	28	*0.22*	0	*0.00*	3	*0.03*
18	Tilapia/Nilotica	575	*6.50*	1652	*7.90*	7661	*28.92*	1017	*6.06*	1690	*6.35*	2138	*16.24*	1938	*14.86*	1017	*10.42*	925	*9.04*
19	Sarpunti/Thai punti	338	*3.82*	442	*2.11*	1058	*3.99*	524	*3.12*	467	*1.75*	392	*2.98*	290	*2.23*	127	*1.30*	392	*3.83*
20	Cuchia	1	*0.01*	3	*0.01*	0	*0.00*	26	*0.16*	1	*0.00*	2	*0.02*	1	*0.01*	1	*0.01*	1	*0.01*
21	Other Inland Fish	144	*1.63*	1282	*6.13*	60	*0.23*	1273	*7.58*	1595	*5.99*	643	*4.88*	162	*1.24*	1334	*13.66*	512	*5.00*
	TOTAL	**8845**	***100***	**20907**	***100***	**26490**	***100***	**16796**	***100***	**26619**	***100***	**13166**	***100***	**13020**	***100***	**9763**	***100***	**10235**	***100***

Cont'd...

Sl. No.	Species	Narsingdi		Rajbari		Shariatpur		Tangail		Jamalpur		Mymensingh		Netrakona		Sherpur	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	1315	*5.62*	2246	14.75	3940	*27.93*	7785	*19.60*	3798	*20.85*	12063	*3.77*	3943	*9.87*	2995	*13.08*
2	Catla	891	*3.81*	1584	10.40	2801	*19.86*	3646	*9.18*	2075	*11.39*	7586	*2.37*	2716	*6.80*	1968	*8.60*
3	Mrigal	1634	*6.98*	1774	11.65	1989	*14.10*	4040	*10.17*	2321	*12.74*	10371	*3.24*	2797	*7.00*	2423	*10.58*
4	Kalibaus	168	*0.72*	436	2.86	0	*0.00*	953	*2.40*	426	*2.34*	2512	*0.79*	1662	*4.16*	1146	*5.01*
5	Bata	114	*0.49*	939	6.17	119	*0.84*	1376	*3.46*	215	*1.18*	4343	*1.36*	784	*1.96*	1048	*4.58*
6	Ghania	69	*0.29*	15	0.10	0	*0.00*	186	*0.47*	197	*1.08*	2965	*0.93*	721	*1.81*	962	*4.20*
7	Silver carp	641	*2.74*	1486	9.76	2410	*17.08*	7007	*17.64*	2711	*14.88*	10248	*3.20*	3384	*8.47*	2932	*12.81*
8	Grass carp	239	*1.02*	883	5.80	123	*0.87*	610	*1.54*	161	*0.88*	7049	*2.20*	1682	*4.21*	1354	*5.91*
9	Mirror/Common carp	274	*1.17*	840	5.52	650	*4.61*	2178	*5.48*	463	*2.54*	4078	*1.27*	2254	*5.64*	1394	*6.09*
10	Other Exotic carp	606	*2.59*	526	3.45	0	*0.00*	1451	*3.65*	78	*0.43*	9151	*2.86*	2397	*6.00*	462	*2.02*
11	Pangas	6905	*29.51*	1538	10.10	855	*6.06*	2871	*7.23*	2106	*11.56*	150120	*46.93*	5916	*14.81*	2197	*9.60*
12	Boal/Ayre	0	*0.00*	0	0.00	0	*0.00*	12	*0.03*	0	*0.00*	0	*0.00*	3	*0.01*	0	*0.00*
13	Shol/Gazar/Taki	0	*0.00*	11	0.07	0	*0.00*	32	*0.08*	0	*0.00*	0	*0.00*	235	*0.59*	52	*0.00*
14	Koi	4032	*17.23*	215	1.41	0	*0.00*	236	*0.59*	330	*1.81*	20122	*6.29*	1975	*4.95*	1241	*5.42*
15	Shingi/Magur	1512	*6.46*	293	1.92	0	*0.00*	465	*1.17*	279	*1.53*	16010	*5.00*	2963	*7.42*	398	*1.74*
16	Big Shrimp/Prawn	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
17	Small Shrimp/ Prawn	26	*0.11*	13	0.09	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	72	*0.18*	28	*0.12*
18	Tilapia/ Nilotica	4494	*19.21*	1014	6.66	549	*3.89*	5241	*13.19*	2337	*12.83*	24226	*7.57*	2843	*7.12*	1205	*5.26*
19	Sarpunti/Thai punti	81	*0.35*	555	3.65	619	*4.39*	831	*2.09*	58	*0.32*	4412	*1.38*	788	*1.97*	220	*0.96*
20	Cuchia	2	*0.01*	3	0.02	1	*0.01*	1	*0.00*	1	*0.01*	3	*0.00*	3	*0.01*	1	*0.00*
21	Other Inland Fish	397	*1.70*	855	5.62	51	*0.36*	803	*2.02*	657	*3.61*	34635	*10.83*	2798	*7.01*	865	*3.78*
	TOTAL	**23400**	***100***	**15226**	**100**	**14107**	**100**	**39724**	**100**	**18213**	***100***	**319894**	**100**	**39936**	**100**	**22891**	**100**

Cont'd....

Sl. No.	Species	Bagerhat		Chuadanga		Jashore		Jhenaidah		Khulna		Kushtia		Magura		Meherpur	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	5217	*29.42*	1314	*11.43*	20095	15.17	4822	*17.67*	3182	*18.29*	3317	*14.11*	2192	*20.26*	820	*11.62*
2	Catla	2059	*11.61*	735	*6.39*	10376	7.83	2309	*8.46*	1538	*8.84*	1977	*8.41*	1778	*16.44*	487	*6.90*
3	Mrigal	2102	*11.85*	1018	*8.85*	19941	15.05	2972	*10.89*	1660	*9.54*	2486	*10.57*	1853	*17.13*	572	*8.10*
4	Kalibaus	219	*1.24*	76	*0.66*	3780	2.85	11	*0.04*	30	*0.17*	541	*2.30*	16	*0.15*	21	*0.30*
5	Bata	48	*0.27*	566	*4.92*	4034	3.05	238	*0.87*	119	*0.68*	1201	*5.11*	208	*1.92*	65	*0.92*
6	Ghania	25	*0.14*	2	*0.02*	134	0.10	0	*0.00*	0	*0.00*	1	*0.00*	0	*0.00*	0	*0.00*
7	Silver carp	895	*5.05*	2336	*20.32*	18062	13.63	4682	*17.16*	2640	*15.18*	4715	*20.05*	1774	*16.40*	1122	*15.89*
8	Grass carp	998	*5.63*	371	*3.23*	3398	2.57	1244	*4.56*	869	*5.00*	848	*3.61*	286	*2.64*	253	*3.58*
9	Mirror/Common carp	765	*4.31*	736	*6.40*	5099	3.85	2422	*8.88*	1260	*7.24*	2138	*9.09*	572	*5.29*	489	*6.93*
10	Other Exotic carp	166	*0.94*	194	*1.69*	1294	1	258	*0.95*	13	*0.07*	515	*2.19*	415	*3.84*	254	*3.60*
11	Pangas	790	*4.46*	764	*6.65*	18250	13.78	864	*3.17*	784	*4.51*	2582	*10.98*	535	*4.95*	959	*13.59*
12	Boal/Ayre	13	*0.07*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
13	Shol/Gazar/Taki	225	*1.27*	0	*0.00*	20	0.02	7	*0.03*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
14	Koi	83	*0.47*	61	*0.53*	1668	1.00	10	*0.04*	417	*2.40*	41	*0.17*	31	*0.29*	10	*0.14*
15	Shingi/Magur	33	*0.19*	24	*0.21*	1010	0.76	198	*0.73*	285	*1.64*	35	*0.15*	31	*0.29*	21	*0.30*
16	Big Shrimp/Prawn	1703	*9.60*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
17	Small Shrimp/Prawn	222	*1.25*	0	*0.00*	0	*0.00*	5	*0.02*	315	*1.81*	49	*0.21*	0	*0.00*	0	*0.00*
18	Tilapia/Nilotica	1301	*7.34*	2826	*24.58*	19710	14.88	6090	*22.32*	3553	*20.42*	2248	*9.56*	389	*3.60*	1550	*21.96*
19	Sarpunti/Thai punti	465	*2.62*	242	*2.10*	3200	2.42	352	*1.29*	139	*0.80*	355	*1.51*	185	*1.71*	71	*1.01*
20	Cuchia	21	*0.12*	0	*0.00*	3	0.00	1	*0.00*	9	*0.05*	1	*0.00*	1	*0.01*	0	*0.00*
21	Other Inland Fish	381	*2.15*	232	*2.02*	2397	1.81	804	*2.95*	583	*3.35*	464	*1.97*	552	*5.10*	365	*5.17*
	TOTAL	**17731**	***100***	**11497**	***100***	**132471**	**100**	**27289**	***100***	**17396**	**100**	**23514**	***100***	**10818**	**100**	**7059**	**100**

Cont'd...

Sl. No.	Species	Narail		Satkhira		Barguna		Barishal		Bhola		Jhalokati		Patuakhali		Pirojpur	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	1604	*32.17*	7644	*19.16*	491	*6.48*	3558	*9.27*	8677	*22.70*	627	*13.75*	4041	*16.04*	712	*8.00*
2	Catla	1575	*31.59*	5504	*13.80*	395	*5.21*	2272	*5.92*	6541	*17.11*	425	*9.32*	3043	*12.08*	606	*6.81*
3	Mrigal	565	*11.33*	4952	*12.42*	368	*4.85*	2358	*6.14*	2979	*7.79*	432	*9.48*	2111	*8.38*	519	*5.83*
4	Kalibaus	85	*1.70*	45	*0.11*	23	*0.30*	136	*0.35*	597	*1.56*	0	*0.00*	23	*0.09*	47	*0.53*
5	Bata	107	*2.15*	176	*0.44*	80	*1.06*	532	*1.39*	0	*0.00*	0	*0.00*	5	*0.02*	9	*0.10*
6	Ghania	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	276	*0.72*	0	*0.00*	3	*0.01*	3	*0.03*
7	Silver carp	407	*8.16*	1472	*3.69*	232	*3.06*	1045	*2.72*	3869	*10.12*	406	*8.91*	2766	*10.98*	384	*4.31*
8	Grass carp	57	*1.14*	190	*0.48*	47	*0.62*	189	*0.49*	807	*2.11*	86	*1.89*	302	*1.20*	231	*2.59*
9	Mirror/Common carp	129	*2.59*	168	*0.42*	131	*1.73*	634	*1.65*	456	*1.19*	180	*3.95*	232	*0.92*	180	*2.02*
10	Other Exotic carp	5	*0.10*	49	*0.12*	0	*0.00*	16	*0.04*	114	*0.30*	16	*0.35*	95	*0.38*	100	*1.12*
11	Pangas	92	*1.85*	8969	*22.49*	3331	*43.94*	15005	*39.09*	7526	*19.69*	1441	*31.61*	5257	*20.87*	2425	*27.24*
12	Boal/Ayre	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	23	*0.09*	3	*0.03*
13	Shol/Gazar/Taki	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	39	*0.10*	0	*0.00*	21	*0.08*	0	*0.00*
14	Koi	125	*2.51*	82	*0.21*	0	*0.00*	655	*1.71*	156	*0.41*	135	*2.96*	379	*1.50*	949	*10.66*
15	Shingi/Magur	61	*1.22*	91	*0.23*	0	*0.00*	113	*0.29*	12	*0.03*	16	*0.35*	98	*0.39*	0	*0.00*
16	Big Shrimp/Prawn	26	*0.52*	28	*0.07*	0	*0.00*	5	*0.01*	0	*0.00*	0	*0.00*	215	*0.85*	2	*0.02*
17	Small Shrimp/Prawn	0	*0.00*	36	*0.09*	0	*0.00*	0	*0.00*	98	*0.26*	2	*0.04*	13	*0.05*	3	*0.03*
18	Tilapia/Nilotica	50	*1.00*	9404	*23.58*	2150	*28.36*	10903	*28.40*	4937	*12.92*	665	*14.59*	5751	*22.83*	2375	*26.68*
19	Sarpunti/Thai punti	31	*0.62*	49	*0.12*	139	*1.83*	630	*1.64*	541	*1.42*	0	*0.00*	302	*1.20*	182	*2.04*
20	Cuchia	1	*0.02*	32	*0.08*	6	*0.08*	14	*0.04*	97	*0.25*	1	*0.02*	10	*0.04*	7	*0.08*
21	Other Inland Fish	66	*1.32*	996	*2.50*	188	*2.48*	324	*0.84*	496	*1.30*	127	*2.79*	505	*2.00*	165	*1.85*
	TOTAL	**4986**	***100***	**39887**	***100***	**7581**	***100***	**38389**	***100***	**38218**	***100***	**4559**	***100***	**25195**	***100***	**8902**	***100***

Cont'd.....

Sl. No.	Species	Dinajpur		Gaibandha		Kurigram		Lalmonirhat		Nilphamari		Panchagarh		Rangpur		Thakurgaon	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	6005	*12.11*	2352	*9.09*	1961	*9.36*	1953	*13.78*	2459	*12.16*	2201	*15.82*	3177	*10.25*	1766	*6.92*
2	Catla	4378	*8.83*	2516	*9.72*	1567	*7.48*	789	*5.57*	1082	*5.35*	1905	*13.69*	2698	*8.70*	1658	*6.50*
3	Mrigal	4422	*8.92*	1580	*6.10*	1378	*6.58*	1452	*10.24*	1473	*7.28*	1897	*13.63*	2690	*8.68*	1685	*6.60*
4	Kalibaus	601	*1.21*	223	*0.86*	31	*0.15*	158	*1.11*	296	*1.46*	466	*3.35*	725	*2.34*	86	*0.34*
5	Bata	1825	*3.68*	467	*1.80*	830	*3.96*	1131	*7.98*	426	*2.11*	571	*4.10*	2149	*6.93*	344	*1.35*
6	Ghania	121	*0.24*	41	*0.16*	0	*0.00*	510	*3.60*	201	*0.99*	20	*0.14*	86	*0.28*	238	*0.93*
7	Silver carp	5844	*11.79*	2325	*8.98*	3338	*15.93*	2353	*16.60*	2315	*11.45*	1575	*11.32*	5905	*19.05*	4412	*17.29*
8	Grass carp	717	*1.45*	1333	*5.15*	932	*4.45*	788	*5.56*	830	*4.10*	276	*1.98*	1249	*4.03*	177	*0.69*
9	Mirror/Common carp	3816	*7.70*	1254	*4.84*	1372	*6.55*	1002	*7.07*	1023	*5.06*	402	*2.89*	2455	*7.92*	1271	*4.98*
10	Other Exotic carp	115	*0.23*	93	*0.36*	787	*3.76*	818	*5.77*	163	*0.81*	173	*1.24*	396	*1.28*	621	*2.43*
11	Pangas	8415	*16.97*	4196	*16.21*	980	*4.68*	284	*2.00*	363	*1.79*	308	*2.21*	286	*0.92*	168	*0.66*
12	Boal/Ayre	0	*0.00*	0	*0.00*	0	*0.00*	12	*0.08*	0	*0.00*	2	*0.01*	0	*0.00*	0	*0.00*
13	Shol/Gazar/Taki	0	*0.00*	1151	*4.45*	0	*0.00*	19	*0.13*	191	*0.94*	21	*0.15*	11	*0.04*	0	*0.00*
14	Koi	594	*1.20*	1176	*4.54*	1265	*6.04*	283	*2.00*	662	*3.27*	403	*2.90*	591	*1.91*	148	*0.58*
15	Shingi/Magur	413	*0.83*	1224	*4.73*	105	*0.50*	107	*0.75*	102	*0.50*	435	*3.13*	957	*3.09*	5	*0.02*
16	Big Shrimp/Prawn	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
17	Small Shrimp/Prawn	1578	*3.18*	0	*0.00*	0	*0.00*	12	*0.08*	0	*0.00*	17	*0.12*	4	*0.01*	0	*0.00*
18	Tilapia/Nilotica	8486	*17.12*	5702	*22.03*	5731	*27.35*	1071	*7.56*	6127	*30.30*	2428	*17.45*	4791	*15.45*	11827	*46.36*
19	Sarpunti/Thai punti	1286	*2.59*	74	*0.29*	387	*1.85*	755	*5.33*	2095	*10.36*	410	*2.95*	2412	*7.78*	957	*3.75*
20	Cuchia	8	*0.02*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	1	*0.01*	1	*0.00*	6	*0.02*
21	Other Inland Fish	949	*1.91*	177	*0.68*	291	*1.39*	679	*4.79*	416	*2.06*	402	*2.89*	420	*1.35*	143	*0.56*
	TOTAL	**49573**	***100***	**25884**	***100***	**20955**	***100***	**14176**	***100***	**20224**	***100***	**13913**	***100***	**31003**	***100***	**25512**	***100***

Cont'd....

Sl. No.	Species	Bogura		ChapaiNawabganj		Joypurhat		Naogaon		Natore		Pabna		Rajshahi		Sirajganj	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	10079	*11.42*	2256	*17.33*	4419	*18.90*	10202	*17.41*	10060	*20.94*	7298	*15.78*	19251	*30.36*	3641	*13.95*
2	Catla	6412	*7.27*	1415	*10.87*	3345	*14.30*	5598	*9.55*	4157	*8.65*	3276	*7.08*	10975	*17.31*	2111	*8.09*
3	Mrigal	8853	*10.03*	2127	*16.34*	2260	*9.66*	9004	*15.36*	6469	*13.47*	4581	*9.90*	8562	*13.50*	2246	*8.61*
4	Kalibaus	1850	*2.10*	353	*2.71*	76	*0.32*	1291	*2.20*	445	*0.93*	705	*1.52*	2260	*3.56*	435	*1.67*
5	Bata	4098	*4.64*	1096	*8.42*	304	*1.30*	1335	*2.28*	1372	*2.86*	2832	*6.12*	981	*1.55*	664	*2.54*
6	Ghania	44	*0.05*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	116	*0.25*	58	*0.09*	700	*2.68*
7	Silver carp	10649	*12.07*	2481	*19.06*	4203	*17.97*	7262	*12.39*	9811	*20.42*	7591	*16.41*	10739	*16.94*	2445	*9.37*
8	Grass carp	1586	*1.80*	372	*2.86*	1209	*5.17*	1020	*1.74*	1582	*3.29*	661	*1.43*	886	*1.40*	601	*2.30*
9	Mirror/Common carp	3182	*3.61*	919	*7.06*	1145	*4.90*	2481	*4.23*	4465	*9.29*	2770	*5.99*	4771	*7.53*	1245	*4.77*
10	Other Exotic carp	1635	*1.85*	911	*7.00*	202	*0.86*	1426	*2.43*	64	*0.13*	46	*0.10*	840	*1.32*	145	*0.56*
11	Pangas	23616	*26.76*	169	*1.30*	3201	*13.69*	11043	*18.84*	4460	*9.28*	8691	*18.79*	1019	*1.61*	1286	*4.93*
12	Boal/Ayre	51	*0.06*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
13	Shol/Gazar/Taki	55	*0.06*	12	*0.09*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
14	Koi	2462	*2.79*	109	*0.84*	127	*0.54*	779	*1.33*	7	*0.01*	114	*0.25*	408	*0.64*	776	*2.97*
15	Shingi/Magur	2546	*2.89*	56	*0.43*	205	*0.88*	683	*1.17*	315	*0.66*	235	*0.51*	501	*0.79*	266	*1.02*
16	Big Shrimp/Prawn	0	*0.00*	2	*0.02*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
17	Small Shrimp/Prawn	94	*0.11*	12	*0.09*	7	*0.03*	14	*0.02*	0	*0.00*	0	*0.00*	114	*0.18*	7	*0.03*
18	Tilapia/Nilotica	6402	*7.26*	172	*1.32*	2017	*8.63*	5487	*9.36*	2405	*5.01*	768	*1.66*	1218	*1.92*	7945	*30.45*
19	Sarpunti/Thai punti	1205	*1.37*	99	*0.76*	234	*1.00*	75	*0.13*	131	*0.27*	5688	*12.30*	415	*0.65*	915	*3.51*
20	Cuchia	1	*0.00*	0	*0.00*	0	*0.00*	1	*0.00*	1	*0.00*	1	*0.00*	0	*0.00*	1	*0.00*
21	Other Inland Fish	3420	*3.88*	459	*3.53*	431	*1.84*	914	*1.56*	2295	*4.78*	889	*1.92*	401	*0.63*	664	*2.54*
	TOTAL	**88240**	***100***	**13020**	***100***	**23385**	***100***	**58615**	***100***	**48039**	***100***	**46262**	***100***	**63399**	***100***	**26093**	***100***

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Sl. No.	Species	Bandarban		Brahmanbaria		Chandpur		Chattogram		Cumilla		Cox's Bazar		Feni		Khagrachhari	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	280	*20.50*	6539	*17.93*	8512	*22.45*	13265	*19.94*	15090	*10.88*	637	*13.24*	3783	*15.17*	458	*15.69*
2	Catla	213	*15.59*	5024	*13.78*	6548	*17.27*	9367	*14.08*	6160	*4.44*	513	*10.66*	2593	*10.40*	325	*11.13*
3	Mrigal	177	*12.96*	4045	*11.09*	4873	*12.85*	10061	*15.13*	6664	*4.80*	381	*7.92*	2961	*11.87*	463	*15.86*
4	Kalibaus	10	*0.73*	611	*1.68*	810	*2.14*	1033	*1.55*	563	*0.41*	170	*3.53*	508	*2.04*	126	*4.32*
5	Bata	2	*0.15*	820	*2.25*	444	*1.17*	35	*0.05*	3205	*2.31*	6	*0.12*	23	*0.09*	70	*2.40*
6	Ghania	17	*1.24*	652	*1.79*	12	*0.03*	127	*0.19*	3121	*2.25*	48	*1.00*	1067	*4.28*	20	*0.69*
7	Silver carp	184	*13.47*	3723	*10.21*	4939	*13.03*	3551	*5.34*	6422	*4.63*	319	*6.63*	2507	*10.05*	286	*9.80*
8	Grass carp	44	*3.22*	913	*2.50*	30	*0.08*	1021	*1.53*	1540	*1.11*	152	*3.16*	352	*1.41*	36	*1.23*
9	Mirror/Common carp	103	*7.54*	1230	*3.37*	2302	*6.07*	1246	*1.87*	1266	*0.91*	85	*1.77*	671	*2.69*	299	*10.24*
10	Other Exotic carp	5	*0.37*	293	*0.80*	406	*1.07*	193	*0.29*	175	*0.13*	44	*0.91*	110	*0.44*	114	*3.91*
11	Pangas	118	*8.64*	2887	*7.92*	0	*0.00*	6291	*9.46*	44068	*31.77*	874	*18.17*	741	*2.97*	271	*9.28*
12	Boal/Ayre	0	*0.00*	2	*0.01*	0	*0.00*	13	*0.02*	0	*0.00*	0	*0.00*	442	*1.77*	11	*0.38*
13	Shol/Gazar/Taki	1	*0.07*	7	*0.02*	0	*0.00*	10	*0.02*	10	*0.01*	10	*0.21*	16	*0.06*	13	*0.45*
14	Koi	3	*0.22*	411	*1.13*	122	*0.32*	167	*0.25*	5180	*3.73*	29	*0.60*	905	*3.63*	5	*0.17*
15	Shingi/Magur	13	*0.95*	360	*0.99*	64	*0.17*	188	*0.28*	3268	*2.36*	17	*0.35*	371	*1.49*	7	*0.24*
16	Big Shrimp/Prawn	0	*0.00*	0	*0.00*	0	*0.00*	10	*0.02*	0	*0.00*	20	*0.42*	0	*0.00*	0	*0.00*
17	Small Shrimp/Prawn	5	*0.37*	0	*0.00*	5	*0.01*	14	*0.02*	7	*0.01*	9	*0.19*	0	*0.00*	5	*0.17*
18	Tilapia/Nilotica	128	*9.37*	3044	*8.35*	8429	*22.23*	18772	*28.22*	39586	*28.54*	1270	*26.40*	7407	*29.70*	226	*7.74*
19	Sarpunti/Thai punti	6	*0.44*	5373	*14.73*	339	*0.89*	344	*0.52*	167	*0.12*	10	*0.21*	231	*0.93*	91	*3.12*
20	Cuchia	2	*0.15*	1	*0.00*	2	*0.01*	16	*0.02*	17	*0.01*	15	*0.31*	8	*0.03*	2	*0.07*
21	Other Inland Fish	55	*4.03*	534	*1.46*	79	*0.21*	791	*1.19*	2199	*1.59*	202	*4.20*	245	*0.98*	91	*3.12*
	Total	**1366**	***100***	**36469**	***100***	**37916**	***100***	**66515**	***100***	**138708**	***100***	**4811**	***100***	**24941**	***100***	**2919**	***100***

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Sl. No.	Species	Lakshmipur		Noakhali		Rangamati		Habiganj		Moulvibazar		Sunamganj		Sylhet		Total	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	5251	*16.65*	11398	*23.07*	187	*16.12*	1836	*9.85*	2651	*11.76*	2805	*26.34*	3145	*15.59*	**294837**	*14.10*
2	Catla	3871	*12.27*	7871	*15.93*	144	*12.41*	1315	*7.05*	1938	*8.59*	1380	*12.96*	2118	*10.50*	**184692**	*8.83*
3	Mrigal	3278	*10.39*	8033	*16.26*	113	*9.74*	1275	*6.84*	1195	*5.30*	2106	*19.77*	2298	*11.39*	**197387**	*9.44*
4	Kalibaus	1056	*3.35*	3467	*7.02*	85	*7.33*	189	*1.01*	989	*4.39*	19	*0.18*	592	*2.94*	**36774**	*1.76*
5	Bata	0	*0.00*	0	*0.00*	4	*0.34*	276	*1.48*	596	*2.64*	0	*0.00*	0	*0.00*	**46441**	*2.22*
6	Ghania	0	*0.00*	121	*0.24*	10	*0.86*	380	*2.04*	775	*3.44*	30	*0.28*	408	*2.02*	**15704**	*0.75*
7	Silver carp	2142	*6.79*	4045	*8.19*	97	*8.36*	2354	*12.63*	521	*2.31*	1312	*12.32*	1621	*8.04*	**214412**	*10.26*
8	Grass carp	561	*1.78*	1560	*3.16*	62	*5.34*	474	*2.54*	971	*4.31*	637	*5.98*	1531	*7.59*	**51945**	*2.48*
9	Mirror/Common carp	338	*1.07*	2167	*4.39*	46	*3.97*	1149	*6.16*	918	*4.07*	709	*6.66*	1382	*6.85*	**82949**	*3.97*
10	Other Exotic carp	455	*1.44*	1985	*4.02*	5	*0.43*	9	*0.05*	144	*0.64*	118	*1.11*	93	*0.46*	**32894**	*1.57*
11	Pangas	4657	*14.76*	3685	*7.46*	130	*11.21*	1072	*5.75*	1728	*7.66*	335	*3.15*	360	*1.78*	**391442**	*18.72*
12	Boal/Ayre	0	*0.00*	43	*0.09*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	**653**	*0.03*
13	Shol/Gazar/Taki	76	*0.24*	36	*0.07*	0	*0.00*	2	*0.01*	31	*0.14*	0	*0.00*	0	*0.00*	**2367**	*0.11*
14	Koi	116	*0.37*	206	*0.42*	0	*0.00*	6	*0.03*	463	*2.05*	189	*1.77*	224	*1.11*	**52880**	*2.53*
15	Shingi/Magur	0	*0.00*	39	*0.08*	6	*0.52*	9	*0.05*	415	*1.84*	28	*0.26*	93	*0.46*	**38195**	*1.83*
16	Big Shrimp/Prawn	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	90	*0.45*	**2527**	*0.12*
17	Small Shrimp/Prawn	9	*0.03*	15	*0.03*	0	*0.00*	7	*0.04*	0	*0.00*	0	*0.00*	0	*0.00*	**3009**	*0.14*
18	Tilapia/Nilotica	9166	*29.06*	3586	*7.26*	182	*15.69*	5163	*27.70*	7181	*31.85*	736	*6.91*	4010	*19.88*	**315887**	*15.11*
19	Sarpunti/Thai punti	415	*1.32*	575	*1.16*	19	*1.64*	2948	*15.81*	1581	*7.01*	226	*2.12*	2015	*9.99*	**49955**	*2.39*
20	Cuchia	0	*0.00*	13	*0.03*	1	*0.09*	13	*0.07*	27	*0.12*	9	*0.08*	4	*0.02*	**406**	*0.02*
21	Other Inland Fish	152	*0.48*	568	*1.15*	69	*5.95*	165	*0.89*	424	*1.88*	11	*0.10*	185	*0.92*	**75431**	*3.61*
	Total	**31543**	***100***	**49413**	***100***	**1160**	***100***	**18642**	***100***	**22548**	***100***	**10650**	***100***	**20169**	***100***	**2090787**	***100***

Table 3.20. Annual Fish Production of Seasonal Cultured Waterbodies in 2020-21

[Area in Hectare] *[Production in Metric Ton]*

Sl. No.	District	Fish Culture in Floodplain & Paddy Field		Fish Culture in Borrow pit		Total	
		Area	Production	Area	Production	Area	Production
1	Dhaka	1760	3465	11	12	1771	3477
2	Faridpur	10623	5400	387	860	11010	6260
3	Gazipur	3850	8442	2	6	3852	8448
4	Gopalganj	2605	3606	141	192	2746	3798
5	Kishoreganj	895	968	1	3	896	971
6	Madaripur	137	205	0	0	137	205
7	Manikganj	3672	3315	10	10	3682	3325
8	Munshiganj	5800	4206	3	4	5803	4210
9	Narayanganj	3235	3112	188	485	3423	3597
10	Narsingdi	638	877	13	57	651	934
11	Rajbari	2000	2363	192	345	2192	2708
12	Shariatpur	1027	1025	0	0	1027	1025
13	Tangail	1768	2371	138	264	1906	2635
Dhaka Division		**38010**	**39355**	**1086**	**2238**	**39096**	**41593**
14	Jamalpur	1414	1547	0	0	1414	1547
15	Mymensingh	1447	1861	291	295	1738	2156
16	Netrakona	3238	4729	17	35	3255	4764
17	Sherpur	999	1423	6	4	1005	1427
Mymensingh Division		**7098**	**9560**	**314**	**334**	**7412**	**9894**
18	Bagerhat	1651	1450	173	330	1824	1780
19	Chuadanga	1010	1342	11	30	1021	1372
20	Jashore	12333	24322	87	89	12420	24411
21	Jhenaidah	1261	1312	1016	1911	2277	3223
22	Khulna	879	768	304	260	1183	1028
23	Kushtia	850	727	1977	3485	2827	4212
24	Magura	128	52	4	8	132	60
25	Meherpur	215	209	1	1	216	210
26	Narail	0	0	345	588	345	588
27	Satkhira	2889	1596	258	189	3147	1785
Khulna Division		**21216**	**31778**	**4176**	**6891**	**25392**	**38669**
28	Barguna	627	573	32	55	659	628
29	Barishal	12573	8008	0	0	12573	8008
30	Bhola	87	28	133	395	220	423
31	Jhalokati	448	571	0	0	448	571
32	Patuakhali	78	96	94	137	172	233
33	Pirojpur	1552	684	714	369	2266	1053
Barishal Division		**15365**	**9960**	**973**	**956**	**16338**	**10916**

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Sl. No.	District	Fish Culture in Floodplain & Paddy Field		Fish Culture in Borrow pit		Total	
		Area	Production	Area	Production	Area	Production
34	Dinajpur	1337	1454	388	635	1725	2089
35	Gaibandha	600	336	196	424	796	760
36	Kurigram	3495	4088	452	915	3947	5003
37	Lalmonirhat	2443	3635	125	469	2568	4104
38	Nilphamari	708	678	78	116	786	794
39	Panchagarh	283	447	17	28	300	475
40	Rangpur	2529	3646	53	116	2582	3762
41	Thakurgaon	272	441	0	0	272	441
	Rangpur Division	**11667**	**14725**	**1309**	**2703**	**12976**	**17428**
42	Bogura	440	512	76	204	516	716
43	Chapai Nawabganj	78	127	58	112	136	239
44	Joypurhat	64	39	172	563	236	602
45	Naogaon	600	539	55	138	655	677
46	Natore	163	246	97	186	260	432
47	Pabna	696	658	1095	2333	1791	2991
48	Rajshahi	5990	5722	320	681	6310	6403
49	Sirajganj	394	442	335	835	729	1277
	Rajshahi Division	**8425**	**8285**	**2208**	**5052**	**10633**	**13337**
50	Bandarban	0	0	335	363	335	363
51	Brahmanbaria	2159	2168	29	64	2188	2232
52	Chandpur	716	1823	362	934	1078	2757
53	Chattogram	850	943	1535	2631	2385	3574
54	Cumilla	26739	77819	181	304	26920	78123
55	Cox's Bazar	96	109	33	55	129	164
56	Feni	382	237	37	79	419	316
57	Khagrachhari	80	56	282	405	362	461
58	Lakshmipur	170	271	320	630	490	901
59	Noakhali	796	958	110	231	906	1189
60	Rangamati	0	0	371	561	371	561
	Chattogram Division	**31988**	**84384**	**3595**	**6257**	**35583**	**90641**
61	Habiganj	166	178	29	58	195	236
62	Moulvibazar	147	101	414	693	561	794
63	Sunamganj	760	1027	418	479	1178	1506
64	Sylhet	728	1006	400	588	1128	1594
	Sylhet Division	**1801**	**2312**	**1261**	**1818**	**3062**	**4130**
	Total	**135570**	**200359**	**14922**	**26249**	**150492**	**226608**

Source	Area (Ha)	Production (MT)	MT/Ha	% of Production	*Growth Rate (%)*
Floodplain/Paddy field	135570	200359	1.48	**88.42**	***0.03***
Borrow Pit	14922	26249	1.76	**11.58**	***2.36***
Total	**150492**	**226608**	**1.51**	**100**	***0.29***

Table 3.21. Species Composition of Fish Production of Seasonal Cultured Waterbodies in 2020-21

Sl. No.	Species	Total Catch (Metric Ton)	(%)
1	Rui *(Labeo rohita)*	53099	*23.43*
2	Catla *(Catla catla)*	23687	*10.45*
3	Mrigal *(Cirrhinus cirrhosus)*	25108	*11.08*
4	Kalibaus *(Labeo calbasu)*	407	*0.18*
5	Bata *(Labeo bata)*	10265	*4.53*
6	Ghania *(Labeo gonius)*	2501	*1.10*
7	Silver Carp *(Hypophthalmichthys molitrix)*	36433	*16.08*
8	Grass Carp *(Ctenopharyngodon idella)*	11781	*5.20*
9	Common Carp *(Cyprinus carpio)*	23151	*10.22*
10	Other Exotic Carp	0	*0.00*
11	Pangas *(Pangasius pangasius)*	0	*0.00*
12	Boal/Ayre/Guizza Ait *(Wallago attu/Sperata aor/Sperata seenghala)*	120	*0.05*
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	239	*0.11*
14	Koi *(Anabas testudineus)*	1391	*0.61*
15	Shingi/Magur *(Heteropneustes fossilis/Clarias batrachus)*	47	*0.02*
16	Tilapia/Nilotica (*Oreochromis mossambicus/O. niloticus)*	23007	*10.15*
17	Sarpunti *(Puntius sarana)*	8514	*3.76*
18	Cuchia *(Monopterus cuchia)*	185	*0.08*
19	Other Inland Fish	4844	*2.14*
20	Big Prawn	711	*0.31*
21	Small Prawn	1118	*0.49*
TOTAL		**226608**	*100*

Table 3.22. Annual Fish Production of Baors in 2020-21

Sl. No.	District	Area (Ha)	Production (Metric Ton)
1	Faridpur	437	812
2	Gopalganj	791	1048
3	Madaripur	1119	1351
4	Rajbari	14	32
	Dhaka Division	**2361**	**3243**
5	Bagherhat	90	15
6	Chuadanga	498	1632
7	Jashore	1474	3655
8	Jhenaidah	881	1886
9	Kushtia	87	201
10	Magura	118	241
11	Meherpur	81	250
12	Satkhira	81	196
	Khulna Division	**3310**	**8076**
	TOTAL	**5671**	**11319**
	Unit Production (MT/Ha)		***2.00***

Note : Area of Baor from SPARRSO Report -1983, CEGIS Report -2004 and Baor Fish Development Project.

Table 3.23. Species Composition of Fish Production of Baors in 2020-21

SL. No.	Species	Total Production (Metric Ton)	%
1	Rui	1626	*14.37*
2	Catla	949	*8.38*
3	Mrigal	657	*5.80*
4	Kalibaus	46	*0.41*
5	Bata	256	*2.26*
6	Ghania	20	*0.18*
7	Silver carp	1897	*16.76*
8	Grass carp	631	*5.57*
9	Mirror/Common carp	492	*4.35*
10	Other Exotic carp	54	*0.48*
11	Pangas	0	*0.00*
12	Boal/Ayre	157	*1.39*
13	Shol/Gazar/Taki	264	*2.33*
14	Koi	14	*0.12*
15	Shingi/Magur	13	*0.11*
16	Tilapia/Nilotica	436	*3.85*
17	Sarpunti/Thai punti	202	*1.79*
18	Cuchia	7	*0.06*
19	Other Inland Fish	3127	*27.63*
20	Big Shrimp/Prawn	17	*0.15*
21	Small Shrimp/Prawn	454	*4.01*
	TOTAL	**11319**	***100***

Table 3.24. Annual Production of Shrimp/Prawn Farms in 2020-21

District	Area (Ha)				Shrimp/ Prawn Production (MT)				Crab Production (MT)	Fish Production (MT)	Total Production (MT)
	Bagda	Galda	Crab	Total	Bagda	Galda	Other shrimp/ prawn	Total shrimp/ prawn			
Dhaka	0	0	0	0	0	0	0	0	0	0	0
Faridpur	0	9.4	0	9.4	0	3.7	0	3.7	0	10.33	14.03
Gazipur	0	0.35	0	0.35	0	0.17	0	0.17	0	0.7	0.87
Gopalganj	0	1261.46	0	1261.46	0	569.26	0	569.26	0	1581	2150.26
Kishoreganj	0	0.46	0	0.46	0	0.27	0	0.27	0	1.5	1.77
Madaripur	0	17.48	0	17.48	0	9.42	0	9.42	0	63	72.42
Manikganj	0	3	0	3	0	2.5	0	2.5	0	3.85	6.35
Munsiganj	0	0.51	0	0.51	0	0.4	0	0.4	0	0.4	0.8
Narayanganj	0	0	0	0	0	0	0	0	0	0	0
Narsingdi	0	0.52	0	0.52	0	0.41	0	0.41	0	1.1	1.51
Rajbari	0	0	0	0	0	0	0	0	0	0	0
Shariatpur	0	22.55	0	22.55	0	8	0	8	0	51.3	59.3
Tangail	0	0	0	0	0	0	0	0	0	0	0
Dhaka Div.	**0**	**1315.73**	**0**	**1315.73**	**0**	**594.13**	**0**	**594.13**	**0**	**1713.18**	**2307.31**
Jamalpur	0	0	0	0	0	0	0	0	0	0	0
Mymensingh	0	0.97	0	0.97	0	0.56	0	0.56	0	2.98	3.54
Netrakona	0	0	0	0	0	0	0	0	0	0	0
Sherpur	0	0	0	0	0	0	0	0	0	0	0
Mymensingh Div.	**0**	**0.97**	**0**	**0.97**	**0**	**0.56**	**0**	**0.56**	**0**	**2.98**	**3.54**
Bagerhat	52550	19960	1721	74231	18049	17623	2186	37858	2856	32677	73391
Chuadanga	0	0	0	0	0	0	0	0	0	0	0
Jashore	1612	15178	65	16855	354	8102	175	8631	0.23	22959	31590.23
Jhenaidah	0	0	0	0	0	0	0	0	0	0	0
Khulna	32996	19016	7325	59337.4	11316.50	11446	1934.70	24697.20	4	37561	67065.20
Kushtia	0	0	0	0	0	0	0	0	0	0	0
Magura	0	11.11	0	11.11	0	3.68	0	3.68	0	40	43.68
Meherpur	0	0	0	0	0	0	0	0	0	0	0
Narail	0	2327	0	2327	0	2079	202	2281	0	2275	4556
Satkhira	59054	9378	314	68746	24571	8647	4432	37650	1932	36892	76474
Khulna Div.	**146212**	**65871**	**9425**	**221507.5**	**54290.50**	**47900.68**	**8929.70**	**111120.88**	**9595.23**	**132404**	**253120.11**
Barguna	257	148.4	8	413.4	94	80.58	73.87	248.45	32.50	318	598.95
Barishal	0	1085	0	1085	0	465	0	465	0	2478	2943
Bhola	23	15.85	13	51.85	8.89	8.66	3	20.55	76	74	170.55
Jhalokati	0	48.3	0	48.3	0	26	0	26	0	146	172
Patuakhali	480	692	15	1187	168	414	372	954	156	2283	3393
Pirojpur	40	1035	6.2	1081.2	14	563	50	627	24.40	1987	2638.4
Barishal Div.	**800**	**3024.6**	**42.2**	**3866.75**	**284.89**	**1557.24**	**498.87**	**2341.00**	**288.9**	**7286**	**9915.90**
Dinajpur	0	3.9	0	3.9	0	1.48	0	1.48	0	14.74	16.22
Gaibandha	0	3	0	3	0	2	0	2	0	11.4	13.4
Kurigram	0	1.18	0	1.18	0	0.58	0	0.58	0	4.45	5.03
Lalmonirhat	0	0.9	0	0.9	0	0.45	0	0.45	0	2.44	2.89
Nilphamari	0	1.48	0	1.48	0	0.87	0	0.87	0	4.23	5.1
Panchagarh	0	3.83	0	3.83	0	0.3	0	0.3	0	5.27	5.57
Rangpur	0	4.58	0	4.58	0	4	0	4	0	14	18
Thakurgaon	0	2.09	0	2.09	0	1.03	0	1.03	0	7.24	8.27
Rangpur Div.	**0**	**20.96**	**0**	**20.96**	**0**	**10.71**	**0**	**10.71**	**0**	**63.77**	**74.48**

Cont'd....

District	Area (Ha)				Shrimp/ Prawn Production (MT)				Crab Produc-tion (MT)	Fish Produc-tion (MT)	Total Produc-tion (MT)
	Bagda	Galda	Crab	Total	Bagda	Galda	Other shrimp/ prawn	Total shrimp/ prawn			
Bogura	0	1.28	0	1.28	0	1.02	0	1.02	0	4.5	**5.52**
C.Nawabganj	0	0	0	0	0	0	0	0	0	0	**0**
Joypurhat	0	5.84	0	5.84	0	1.8	0	1.8	0	22.45	**24.25**
Naogaon	0	0.4	0	0.4	0	0.26	0	0.26	0	1.37	**1.63**
Natore	0	1.03	0	1.03	0	0.25	0	0.25	0	3.2	**3.45**
Pabna	0	0	0	0	0	0	0	0	0	0	**0**
Rajshahi	0	0	0	0	0	0	0	0	0	0	**0**
Sirajganj	0	0	0	0	0	0	0	0	0	0	**0**
Rajshahi Div.	**0**	**8.55**	**0**	**8.55**	**0**	**3.33**	**0**	**3.33**	**0**	**31.52**	**34.85**
Bandarban	0	0	0	0	0	0	0	0	0	0	**0**
Brahmanbaria	0	0	0	0	0	0	0	0	0	0	**0**
Chandpur	0	47.3	0	47.3	0	43.80	0	43.80	0	152.1	**195.90**
Chattogram	2924	278	0	3202	786	190.50	167.07	1143.57	0	360	**1503.57**
Cumilla	0	35.56	0	35.56	0	28	15.20	43.20	0	107.2	**150.40**
Cox's Bazar	42028	129.32	118	42275.32	13343	279.30	2429	16051.30	2433	4325.2	**22809.50**
Feni	0	33.7	0	33.7	0	10.20	0	10.20	0	58	**68.20**
Khagrachhari	0	0	0	0	0	0	0	0	0	0	**0**
Lakshmipur	0	144.08	0	144.08	0	59.66	9.50	69.16	0	88.53	**157.69**
Noakhali	0	147.5	17	164.5	0	68.25	5	73.25	20	298	**391.25**
Rangamati	0	0	0	0	0	0	0	0	0	0	**0**
Chattogram Div.	**44952**	**815.46**	**135**	**45902.46**	**14129**	**679.71**	**2625.77**	**17434.48**	**2453**	**5389.03**	**25276.51**
Habiganj	0	4.53	0	4.53	0	3.39	0	3.39	0	14.3	**17.69**
Moulvibazar	0	0	0	0	0	0	0	0	0	0	**0**
Sunamganj	0	0	0	0	0	0	0	0	0	0	**0**
Sylhet	0	0.84	0	0.84	0	0.40	0	0.40	0	3	**3.40**
Sylhet Div.	**0**	**5.37**	**0**	**5.37**	**0**	**3.79**	**0**	**3.79**	**0**	**17.3**	**21.09**
TOTAL	**191964**	**71062**	**9602**	**272628**	**68704.39**	**50750.15**	**12054.34**	**131508.88**	**12337.13**	**146907.78**	**290754**
%	*70.41*	*26.07*	*3.52*	*100*	*23.63*	*17.45*	*4.15*	*45.23*	*4.24*	*50.53*	***100***

Species	Area (Ha)			Production (MT)			Kg/Ha		*Growth Rate (%)*	
	2020-21	2019-20	Difference	2020-21	2019-20	Difference	2020-21	2019-20	2020-21	2019-20
Bagda	191964	186275	5689	68704	64688	4016	358	347	6.21	*2.40*
Galda	71062	71614	-552	50750	51096	-346	714	713	-0.68	*-2.11*
Other Shrimp /Prawn	-	-	-	12054	11817	237	46	46	2.01	*21.30*
Shrimp/Prawn Total	**263026**	**257889**	5137	**131509**	**127601**	**3908**	**500**	**495**	3.06	*1.99*
Fish	-	-	-	146908	142513	4395	559	553	3.08	*7.21*
Total	**263026**	**257889**	**5137**	**278417**	**270114**	**8303**	**1059**	**1047**	**3.07**	***4.68***
Crab	**9602**	9535	67	**12337**	**12562**	**-225**	1285	1289	-1.79	***3.96***

Source: ***Report from Deputy Director (Shrimp), Dhaka and District Fisheries Offices. Other Shrimp/Prawn: Harina, Chaka and other small shrimp/prawn. Crab production has included since FY 2015-16.***

Table 3.25. Species-wise Production of Shrimp/Prawn Farms in 2020-21

Sl. No.	Species	Total Production (Metric Ton)	%
1	Bagda *(Penaeus monodon)*	68704	*23.63*
2	Galda *(Macrobrachium rosenbergii)*	50750	*17.46*
3	Harina *(Metapenaeus monoceros)*	5079	*1.75*
4	Chaka *(Fenneropenaeus indicus)*	2595	*0.89*
5	Other Shrimp/Prawn	4381	*1.51*
Shrimp/Prawn Total		**131509**	***45.24***
6	Rui	31374	*10.79*
7	Catla	23436	*8.06*
8	Mrigal	4075	*1.40*
9	Kalibaus	0	*0.00*
10	Bata	2823	*0.97*
11	Ghania	207	*0.07*
12	Silver Carp	15756	*5.42*
13	Grass Carp	685	*0.24*
14	Mirror/Common Carp	644	*0.22*
15	Other Exotic Carp	0	*0.00*
16	Pangas	0	*0.00*
17	Boal/Ayre	0	*0.00*
18	Shol/Gazar/Taki	0	*0.00*
19	Koi	0	*0.00*
20	Shingi/ Magur	0	*0.00*
21	Tilapia/Nilotica	42748	*14.70*
22	Thai Sarpunti	16873	*5.80*
23	Cuchia	270	*0.09*
24	Other Fish	8017	*2.76*
Fish Total		**146908**	***50.52***
25	Crab	12337	*4.24*
TOTAL		**290754**	***100***

Table 3.26. Sector-wise Annual Shrimp/Prawn Production in 2020-21

[Production in Metric Ton]

Sl. No.	Sector of Fisheries	Galda	Bagda	Harina	Chaka	Other Shrimp/ Prawn	Total
1	River	938	33	3034	18	9501	13524
2	Sundarbans	50	52	0	0	265	367
3	Beel	66	0	0	0	4246	4312
4	Kaptai Lake		0	0	0	130	130
5	Floodplain	1984	0	0	0	45911	47895
6	Pond	2527	0	0	0	3009	5536
7	Seasonal Cultured Waterbody	711	0	0	0	1118	1829
8	Baor	17	0	0	0	454	471
9	Shrimp/Prawn Farm	50750	68704	5079	2595	4381	131509
10	Pen Culture	0	0	0	0	94	94
11	Cage Culture	0	0	0	0	0	0
Inland Total		**57043**	**68789**	**8113**	**2613**	**69109**	**205667**
12	Marine Industrial	0	233	1362	65	1409	3069
13	Marine Artisanal	0	2030	3519	3434	34245	43228
Marine Total		**0**	**2263**	**4881**	**3499**	**35654**	**46297**
TOTAL		**57043**	**71052**	**12994**	**6112**	**104763**	**251964**
Annual Growth Rate (%)		***-0.34***	***5.98***	***5.27***	***2.14***	***6.17***	***4.43***

Table 3.27. Annual Fish Production of Pen Culture in 2020-21

District	Area (Ha)	Production (MT)	MT/Ha
Dhaka	1041	1704	*1.64*
Faridpur	596	1192	*2.00*
Gazipur	359	902	*2.51*
Gopalganj	2080	3625	*1.74*
Kishoreganj	384	960	*2.50*
Madaripur	741	1365	*1.84*
Manikganj	337	766	*2.27*
Munshiganj	96	197	*2.05*
Narayanganj	459	998	*2.17*
Narsingdi	34	94	*2.76*
Rajbari	0	0	*0.00*
Shariatpur	35	40	*1.14*
Tangail	3	9	*3.00*
Dhaka Division	**6165**	**11852**	***1.92***
Jamalpur	281	749	*2.67*
Mymensingh	10	20	*2.00*
Netrakona	43	89	*2.07*
Sherpur	0	0	*0.00*
Mymensingh Division	**334**	**858**	***2.57***
Bagerhat	0	0	*0.00*
Chuadanga	0	0	*0.00*
Jashore	0	0	*0.00*
Jhenaidah	0	0	*0.00*
Khulna	0	0	*0.00*
Kushtia	7	13	*1.86*
Magura	0	0	*0.00*
Meherpur	0	0	*0.00*
Narail	0	0	*0.00*
Satkhira	0	0	*0.00*
Khulna Division	**7**	**13**	***1.86***
Barguna	8	18	*2.25*
Barishal	0	0	*0.00*
Bhola	0	0	*0.00*
Jhalokati	58	114	*1.97*
Patuakhali	2	3	*1.50*
Pirojpur	0	0	*0.00*
Barishal Division	**68**	**135**	***1.99***

District	Area (Ha)	Production (MT)	MT/Ha
Dinajpur	0	0	*0.00*
Gaibandha	19	38	2.00
Kurigram	97	161	1.66
Lalmonirhat	18	28	1.56
Nilphamari	7	12	1.71
Panchagarh	3	6	2.00
Rangpur	12	28	2.33
Thakurgaon	5	11	2.20
Rangpur Division	**161**	**284**	**1.76**
Bogura	20	50	2.50
Chapai Nawabganj	92	164	1.78
Joypurhat	0	0	*0.00*
Naogaon	0	0	*0.00*
Natore	0	0	*0.00*
Pabna	5	8	1.60
Rajshahi	0	0	*0.00*
Sirajganj	11	21	1.91
Rajshahi Division	**128**	**243**	**1.90**
Bandarban	0	0	*0.00*
Brahmanbaria	255	545	2.14
Chandpur	82	186	2.27
Chattogram	0	0	*0.00*
Cumilla	56	82	1.46
Cox's Bazar	0	0	*0.00*
Feni	4	7	1.75
Khagrachhari	0	0	*0.00*
Lakshmipur	0	0	*0.00*
Noakhali	0	0	*0.00*
Rangamati	39	50	1.28
Chattogram Division	**436**	**870**	**2.00**
Habiganj	0	0	*0.00*
Moulvibazar	0	0	*0.00*
Sunamganj	10	17	1.70
Sylhet	5	10	2.00
Sylhet Division	**15**	**27**	**1.80**
TOTAL	**7314**	**14282**	**1.95**

Table 3.28. Annual Fish Production of Cage Culture in 2020-21

District	No. of Cage	Av. Size (Cubic meter)	Total Area (Cubic Meter)	Production (MT)
Dhaka	126	18.58	2341	40
Faridpur	10	18.58	186	5
Gazipur	0	0	0	0
Gopalganj	40	18.58	743	8
Kishoreganj	10	18.58	186	4
Madaripur	404	18.58	7506	169
Manikganj	0	0	0	0
Munshiganj	0	0	0	0
Narayanganj	0	0	0	0
Narsingdi	1259	18.58	23392	886
Rajbari	100	18.58	1858	5
Shariatpur	20	18.58	372	8
Tangail	0	0	0	0
Dhaka Division	**1969**	**18.58**	**36584**	**1125**
Jamalpur	60	18.58	1115	18
Mymensingh	58	18.58	1078	20
Netrakona	0	0	0	0
Sherpur	0	0	0	0
Mymensingh Division	**118**	**18.58**	**2193**	**38**
Bagerhat	30	18.58	557	7
Chuadanga	6	18.58	111	3
Jashore	0	18.58	0	0
Jhenaidah	0	0	0	0
Khulna	0	0	0	0
Kushtia	80	18.58	1486	28
Magura	0	0	0	0
Meherpur	70	18.58	1301	30
Narail	0	0	0	0
Satkhira	0	0	0	0
Khulna Division	**186**	**18.58**	**3455**	**68**
Barguna	210	18.58	3902	85
Barishal	129	18.58	2397	58
Bhola	320	18.58	5946	167
Jhalokati	20	18.58	372	9
Patuakhali	48	18.58	892	10
Pirojpur	53	18.58	985	28
Barishal Division	**780**	**18.58**	**14494**	**357**

District	No. of Cage	Av. Size (Cubic meter)	Total Area (Cubic Meter)	Production (MT)
Dinajpur	40	18.58	743	14
Gaibandha	0	0	0	0
Kurigram	401	18.58	7451	174
Lalmonirhat	20	18.58	372	6
Nilphamari	10	18.58	186	4
Panchagarh	0	0	0	0
Rangpur	0	0	0	0
Thakurgaon	20	18.58	372	9
Rangpur Division	**491**	**18.58**	**9124**	**207**
Bogura	25	18.58	465	9
C.Nawabganj	95	18.58	1765	30
Joypurhat	10	18.58	186	4
Naogaon	20	18.58	372	13
Natore	66	18.58	1226	28
Pabna	360	18.58	6689	154
Rajshahi	0	0	0	0
Sirajganj	2045	18.58	37996	1354
Rajshahi Division	**2621**	**18.58**	**48699**	**1592**
Bandarban	0	0	0	0
Brahmanbaria	290	18.58	5388	137
Chandpur	2440	18.58	45335	1004
Chattogram	0	0	0	0
Cumilla	90	18.58	1672	242
Cox's Bazar	0	0	0	0
Feni	90	18.58	1672	22
Khagrachhari	0	0	0	0
Lakshmipur	220	18.58	4088	72
Noakhali	0	0	0	0
Rangamati	275	18.58	5110	104
Chattogram Division	**3405**	**18.58**	**63265**	**1581**
Habiganj	0		0	0
Moulvibazar	20	18.58	372	5
Sunamgonj	0	0	0	0
Sylhet	50	18.58	929	22
Sylhet Division	**70**	**18.58**	**1301**	**27**
TOTAL	**9640**	**18.58**	**179115**	**4995**

Note : Depth of cage culture is 1.00 meter on an average

Table 3.29. Species-wise Fish Production of Pen and Cage Culture in 2020-21

SL. No.	Species	Cage Culture		Pen Culture	
		Production (MT)	%	Production (MT)	%
1	Rui	-	-	1968	*13.78*
2	Catla	-	-	1371	*9.60*
3	Mrigal	-	-	1255	*8.79*
4	Kalibaus	-	-	155	*1.08*
5	Bata	-	-	339	*2.37*
6	Ghania	-	-	188	*1.32*
7	Silver carp	-	-	1067	*7.47*
8	Grass carp	-	-	348	*2.44*
9	Mirror/Common carp	-	-	311	*2.18*
10	Other Exotic carp	-	-	226	*1.58*
11	Pangas	-	-	367	*2.57*
12	Boal/Ayre	-	-	54	*0.38*
13	Shol/Gazar/Taki	-	-	50	*0.35*
14	Koi	-	-	19	*0.13*
15	Shingi/Magur	-	-	10	*0.07*
16	Big Shrimp/Prawn	-	-	0	*0.00*
17	Small Shrimp/Prawn	-	-	94	*0.66*
18	Tilapia/Nilotica	4995	100	3470	*24.29*
19	Sarpunti/Thai punti	-	-	1532	*10.73*
20	Cuchia	-	-	9	*0.06*
21	Other Inland Fish	-	-	1449	*10.15*
	TOTAL	**4995**	***100***	**14282**	***100***

Table 3.30 Annual Catch of Cuchia in 2020-21

District	Production (MT)		
	Culture	Capture	Total
Dhaka	0	44	44
Faridpur	6	155	161
Gazipur	1	95	96
Gopalganj	35	373	408
Kishoreganj	5	206	211
Madaripur	6	207	213
Manikganj	1	66	67
Munshiganj	3	105	108
Narayanganj	2	110	112
Narsingdi	4	161	165
Rajbari	11	81	92
Shariatpur	1	72	73
Tangail	1	113	114
Dhaka Division	**76**	**1788**	**1864**
Jamalpur	1	37	38
Mymensingh	5	155	160
Netrakona	5	237	242
Sherpur	1	25	26
Mymensingh Division	**12**	**454**	**466**
Bagerhat	84	121	205
Chuadanga	1	20	21
Jashore	6	34	40
Jhenaidah	2	30	32
Khulna	41	107	148
Kushtia	1	81	82
Magura	1	15	16
Meherpur	1	4	5
Narail	1	8	9
Satkhira	51	120	171
Khulna Division	**189**	**540**	**729**
Barguna	17	131	148
Barishal	68	664	732
Bhola	105	533	638
Jhalokati	8	98	106
Patuakhali	27	273	300
Pirojpur	27	140	167
Barishal Division	**252**	**1839**	**2091**

District	Production (MT)		
	Culture	Capture	Total
Dinajpur	2	43	45
Gaibandha	1	86	87
Kurigram	1	162	163
Lalmonirhat	0	3	3
Nilphamari	0	5	5
Panchagarh	1	1	2
Rangpur	1	143	144
Thakurgaon	6	11	17
Rangpur Division	**12**	**454**	**466**
Bogura	3	191	194
Chapai Nawabganj	1	15	16
Joypurhat	1	49	50
Naogaon	3	83	86
Natore	3	157	160
Pabna	5	335	340
Rajshahi	1	40	41
Sirajganj	4	347	351
Rajshahi Division	**21**	**1217**	**1238**
Bandarban	2	4	6
Brahmanbaria	1	46	47
Chandpur	3	155	158
Chattogram	19	60	79
Cumilla	36	185	221
Cox's Bazar	28	34	62
Feni	15	60	75
Khagrachhari	1	5	6
Lakshmipur	1	14	15
Noakhali	17	139	156
Rangamati	1	8	9
Chattogram Division	**124**	**710**	**834**
Habiganj	10	599	609
Moulvibazar	24	136	160
Sunamgonj	10	403	413
Sylhet	5	320	325
Sylhet Division	**49**	**1458**	**1507**
TOTAL	**735**	**8460**	**9195**

Table 3.31. Annual Catch of Hilsa in Inland and Marine Fisheries in 2020-21

[Unit: Metric Ton]

District	Principal River						Other River	River Total	Sundarbans	Inland Total	Marine Total	District Total
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma Putra						
Dhaka	0	0	97	0	0	0	0	97	0	97	0	**97**
Faridpur	0	0	366	0	0	0	0	366	0	366	0	**366**
Gazipur	0	0	0	0	0	0	0	0	0	0	0	**0**
Gopalganj	0	0	0	0	0	0	8	8	0	8	0	**8**
Kishoreganj	0	163	0	0	0	0	0	163	0	163	0	**163**
Madaripur	0	0	203	0	0	0	0	203	0	203	0	**203**
Manikganj	0	0	1159	0	0	0	0	1159	0	1159	0	**1159**
Munshiganj	0	403	717	0	0	0	0	1120	0	1120	0	**1120**
Narayanganj	0	108	0	0	0	0	0	108	0	108	0	**108**
Narsingdi	0	207	0	0	0	0	0	207	0	207	0	**207**
Rajbari	0	0	530	306	0	0	0	836	0	836	0	**836**
Shariatpur	1602	0	2926	0	0	0	0	4528	0	4528	0	**4528**
Tangail	0	0	0	0	156	0	0	156	0	156	0	**156**
Dhaka Division	**1602**	**881**	**5998**	**306**	**156**	**0**	**8**	**8951**	**0**	**8951**	**0**	**8951**
Jamalpur	0	0	0	0	80	5	0	**85**	0	**85**	0	**85**
Mymensingh	0	0	0	0	0	0	0	**0**	0	**0**	0	**0**
Netrakona	0	0	0	0	0	0	0	**0**	0	**0**	0	**0**
Sherpur	0	0	0	0	0	0	0	**0**	0	**0**	0	**0**
Mymensingh Division	**0**	**0**	**0**	**0**	**80**	**5**	**0**	**85**	**0**	**85**	**0**	**85**
Bagerhat	0	0	0	0	0	0	848	848	61	909	993	**1902**
Chuadanga	0	0	0	0	0	0	0	0	0	0	0	**0**
Jashore	0	0	0	0	0	0	0	0	0	0	0	**0**
Jhenaidah	0	0	0	0	0	0	0	0	0	0	0	**0**
Khulna	0	0	0	0	0	0	1078	1078	341	1419	823	**2242**
Kushtia	0	0	0	8	0	0	0	8	0	8	0	**8**
Magura	0	0	0	0	0	0	0	0	0	0	0	**0**
Meherpur	0	0	0	0	0	0	0	0	0	0	0	**0**
Narail	0	0	0	0	0	0	4	4	0	4	0	**4**
Satkhira	0	0	0	0	0	0	0	0	341	341	0	**341**
Khulna Division	**0**	**0**	**0**	**8**	**0**	**0**	**1930**	**1938**	**743**	**2681**	**1816**	**4497**
Barguna	0	0	0	0	0	0	5190	5190	0	5190	70252	**75442**
Barishal	34551	0	0	0	0	0	2526	37077	0	37077	1773	**38850**
Bhola	87015	0	0	0	0	0	3069	90084	0	90084	88669	**178753**
Jhalokati	0	0	0	0	0	0	1108	1108	0	1108	0	**1108**
Patuakhali	0	0	0	0	0	0	30352	30352	0	30352	41482	**71834**
Pirojpur	0	0	0	0	0	0	1481	1481	0	1481	1833	**3314**
Barishal Division	**121566**	**0**	**0**	**0**	**0**	**0**	**43726**	**165292**	**0**	**165292**	**204009**	**369301**

Cont'd....

[Unit: Metric Ton]

District	Principal River						Other River	River Total	Sundar Bans	Inland Total	Marine Total	District Total
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma Putra						
Dinajpur	0	0	0	0	0	0	0	0	0	0	0	0
Gaibandha	0	0	0	0	6	6	0	12	0	12	0	12
Kurigram	0	0	0	0	0	310	0	310	0	310	0	310
Lalmonirhat	0	0	0	0	0	0	0	0	0	0	0	0
Nilphamari	0	0	0	0	0	0	0	0	0	0	0	0
Panchagarh	0	0	0	0	0	0	0	0	0	0	0	0
Rangpur	0	0	0	0	0	0	0	0	0	0	0	0
Thakurgaon	0	0	0	0	0	0	0	0	0	0	0	0
Rangpur Division	**0**	**0**	**0**	**0**	**6**	**316**	**0**	**322**	**0**	**322**	**0**	**322**
Bogura	0	0	0	0	4	0	0	4	0	4	0	4
Chapai Nawabganj	0	0	0	19	0	0	0	19	0	19	0	19
Joypurhat	0	0	0	0	0	0	0	0	0	0	0	0
Naogaon	0	0	0	0	0	0	0	0	0	0	0	0
Natore	0	0	0	13	0	0	0	13	0	13	0	13
Pabna	0	0	0	80	41	0	0	121	0	121	0	121
Rajshahi	0	0	0	184	0	0	0	184	0	184	0	184
Sirajganj	0	0	0	0	400	0	0	400	0	400	0	400
Rajshahi Division	**0**	**0**	**0**	**296**	**445**	**0**	**0**	**741**	**0**	**741**	**0**	**741**
Bandarban	0	0	0	0	0	0	0	0	0	0	0	0
Brahmanbaria	0	233	0	0	0	0	0	233	0	233	0	233
Chandpur	31146	0	0	0	0	0	2846	33992	0	33992	0	33992
Chattogram	0	0	0	0	0	0	6757	6757	0	6757	53640	60397
Cumilla	0	0	0	0	0	0	0	0	0	0	0	0
Cox's Bazar	0	0	0	0	0	0	2354	2354	0	2354	38074	40428
Feni	0	0	0	0	0	0	61	61	0	61	14	75
Khagrachhari	0	0	0	0	0	0	0	0	0	0	0	0
Lakshmipur	20366	0	0	0	0	0	169	20535	0	20535	3509	24044
Noakhali	9512	0	0	0	0	0	62	9574	0	9574	12531	22105
Rangamati	0	0	0	0	0	0	0	0	0	0	0	0
Chattogram Division	**61024**	**233**	**0**	**0**	**0**	**0**	**12249**	**73506**	**0**	**73506**	**107768**	**181274**
Habiganj	0	0	0	0	0	0	1	1	0	1	0	1
Moulvibazar	0	0	0	0	0	0	0	0	0	0	0	0
Sunamganj	0	0	0	0	0	0	6	6	0	6	0	6
Sylhet	0	0	0	0	0	0	5	5	0	5	0	5
Sylhet Division	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**12**	**0**	**12**	**0**	**12**
COUNTRY TOTAL	**184192**	**1114**	**5998**	**610**	**687**	**321**	**57925**	**250847**	**743**	**251590**	**313593**	**565183**
%	*32.59*	*0.20*	*1.06*	*0.11*	*0.12*	*0.06*	*10.25*	*44.38*	*0.13*	*44.51*	*55.49*	*100*

[Unit: Metric Ton]

Sector	2020-21			2019-20	
	Production	Production Increased/decreased	*Growth Rate (%)*	Production	*Growth Rate (%)*
River	250847	5875	*2.40*	244972	*1.30*
Sundarbans	743	-147	*-16.52*	890	*34.44*
Marine Industrial	7781	-1835	*-19.08*	9616	*-21.82*
Marine Artisanal	305812	10862	*3.68*	294950	*6.09*
Total	**565183**	**14755**	***2.68***	**550428**	***5.31***

Table 3.32. Annual Catch of Marine Fisheries in 2020-21

Type of Fishing	Number of Craft (Trawler/ Boat)	Number of Unit (Gear/Net)	Catch in Metric Ton				
			Shrimp	Hilsa	Tuna & Tuna Like Fish	Other Fish	Total
A. INDUSTRIAL							
Trawl Fishing							
a) Shrimp Trawler	33	90	1978	0	7893	209	10080
b) Fish Trawler	201	570	1091	7781	0	100169	109041
TOTAL INDUSTRIAL (A)	***234***	***660***	***3069***	***7781***	***7893***	***100378***	***119121***
B. ARTISANAL							
1. Gill Net Fishing							
a) Mechanized	20359	77768	0	279213	4950	63352	*347515*
b) Non-mechanized	16831	40585	0	26599	0	9743	*36342*
SUB TOTAL	**37190**	**118353**	**0**	**305812**	**4950**	**73095**	**383857**
2. Set Bag Net Fishing							
a) Seasonal (MB)	10000	22404	39775	0	8530	106864	155169
b) Seasonal (NMB)	5200	10000	0	0		0	0
c) All Seasonal (NMB)	5550	10025	765	0		418	1183
SUB TOTAL	**20750**	**42429**	**40540**	**0**	**8530**	**107282**	**156352**
3. Long Line Fishing							
a) Jew Fish Long Line							
i. Mechanized	2500	10191	0	0	757	14714	15471
ii. Non-mechanized	400	900	0	0		350	350
b) Other Long Line (NMB)	325	772	0	0		118	118
SUB-TOTAL	**3225**	**11863**	**0**	**0**	**757**	**15182**	**15939**
4. Trammel Net Fishing (NMB)	131	422	969	0		2093	3062
5. Other Gears Fishing (NMB)	6373	15640	1719	0		1189	2908
TOTAL ARTISANAL (B)	**67669**	**188707**	**43228**	**305812**	**14237**	**198841**	**562118**
GRAND TOTAL (A+B)	**67903**	**189367**	**46297**	**313593**	**22130**	**299219**	**681239**

- **Annual** *Growth Rate: 1.51%, (Hilsa:2.96%; Shrimp:8.13%, Tuna & Tuna Like Fish and other species: -0.73%)*
- **Annual** *Growth Rate (Industrial): 3.27%; (Artisanal) : 1.15%*
- **Tuna & Tuna Like Fish is incorporate separetly from 2020-21**

Trawler		Boat		Gear	
Type	Number	Type	Number	Type	Number
Shrimp Trawler	33	**MB** *(Mechanized Boat)*	32859	Gill Net	118353
Fish Trawler	201	**NMB** *(Non-Mechanized Boat)*	34810	Set Bag Net	42429
				Long Line	11863
				Trammel Net	422
				Other Gear	15640
Total	**234**		**67669**		**188707**

Table 3.33. Species-wise Catch of Marine Fisheries in 2020-21

[Unit : Metric Ton]

Type of Fishing	Shrimp (A)	Hilsa (B)	Tuna & Tuna Like Fish (C)	Other Species									Grand Total (A+B+C+D)
				Sardine	Bombay Duck	Indian Salmon	Pom fret	Jew Fish	Cat Fish	Shark/ Skate/ Ray	Other Marine Fish	Total (D)	
A. INDUSTRIAL													
Trawl Fishing	**3069**	**7781**	**7893**	33869	6936	0	1355	15385	5116	5400	32317	100378	**119121**
B. ARTISANAL													
1.Gill Net Fishing													
a) Mechanized	0	279213	4950	645	5500	128	2260	24183	2023	1487	27126	63352	**347515**
b) Non- mechanized	0	26599	0	0	75	0	102	1590	56	19	7901	9743	**36342**
SUB-TOTAL	**0**	**305812**	**4950**	**645**	**5575**	**128**	**2362**	**25773**	**2079**	**1506**	**35027**	**73095**	**383857**
2. Set Bag Net Fishing													
a) Seasonal	39775	0	8530	5	58996	0	5472	3020	45	86	39240	10864	**155169**
b) All Seasonal	765	0		0	145	0	25	0	7	11	230	418	**1183**
SUB-TOTAL	**40540**	**0**	**8530**	**5**	**59141**	**0**	**5497**	**3020**	**52**	**97**	**39470**	**107282**	**156352**
3. Long Line Fishing													
a) Jew Fish Long Line													
i. Mechanized	0	0	757	0	0	25	0	3167	4527	1186	5809	14714	**15471**
ii. Non-mechanized	0	0	0	0	0	10	0	115	80	26	119	350	**350**
b) Other Long Line	0	0	0	0	0	0	0	43	15	13	47	118	**118**
SUB-TOTAL	**0**	**0**	**757**	**0**	**0**	**35**	**0**	**3325**	**4622**	**1225**	**5975**	**15182**	**15939**
4.Trammel Net Fishing	969	0	0	0	40	0	0	660	225	0	1168	2093	**3062**
5. Other Gears' Fishing	1719	0	0	0	230	0	0	502	105	0	352	1189	**2908**
TOTAL ARTISANAL	**43228**	**305812**	**14237**	**650**	**64986**	**163**	**7859**	**33280**	**7083**	**2828**	**81992**	**198841**	**562118**
***GRAND TOTAL* (Industrial+ Artisanal)**	**46297**	**313593**	**22130**	**34519**	**71922**	**163**	**9214**	**48665**	**12199**	**8228**	**114309**	**299219**	**681239**
%	*6.80*	*46.03*	*3.25*	*5.07*	*10.56*	*0.02*	*1.35*	*7.14*	*1.79*	*1.21*	*16.78*	*43.92*	*100*

Species-wise Annual Shrimp Catch in Marine Fisheries

Sector	Bagda (Tiger)	Harina (Brown)	Chaka (White)	Others	Total	Growth Rate (%)
Trawl Fishing	233	1362	65	1409	**3069**	*25.99*
Artisanal Fishing	2030	3519	3434	34245	**43228**	*7.05*
TOTAL	**2263**	**4881**	**3499**	**35654**	**46297**	***8.13***

Table 3.34. Annual Carp Hatchling Production in 2020-21

Source of Production	No. of Hatchery	Hatchling Production (Kg)	%
1. Natural			
Jamuna River	-	970	-
Padma River	-	822	-
Arialkha River	-	85	-
Brahmaputra River	-	32	-
Garai/Madhumati River	-	137	-
Surma	-	0	-
Halda River	-	106	-
Natural Total		**2152**	0.32
2. Artificial			
Govt. Hatchery	103	12193	*1.82*
Private Hatchery	953	656608	*97.86*
Artificial Total	**1056**	**668801**	***99.68***
TOTAL	**1056**	**670953**	*100*

Note: *Hatchling of 4-5 days old. Growth rate of Natural Hatchling is -17.42 and Artificial is 0.74%*

Table 3.35. Annual PL (Post Larvae) Production in 2020-21

Source of Production	Galda Hatchery		Bagda Hatchery		Total	
	No. of Hatchery	PL Production (Crore)	No. of Hatchery	PL Production (Crore)	No. of Hatchery	PL Production (Crore)
Govt. Hatchery	27	0.37	0	0	27	0.37
Private Hatchery	6	2.00	44	721.04	50	723.04
TOTAL	**33**	**2.37**	**44**	**721.04**	**77**	**723.41**

Note: No. of Hatchery mentioned which is under operation only

Table 3.36. Hatchling Production of Govt. Hatchery in 2021 (January-June)

Name/Location of Hatchery	No. of Hatchery	Hatchling Production (Kg)								Tilapia Juvenile (Lakh)
		Major Carp	Exotic Carp	Pangas	Thai Punti	Bata	Koi	Shingi/ Magur	Other	Total
Division-wised Fish Seed Multiplication Farm										
1. Dhaka	13	663	206	0	79	72	0	0	6	1026	0.08
2. Mymensingh	9	1149	175	0	161	77	0	12	15	1589	0.00
3. Khulna	14	1012	615	0	0	33	0	2	0	1662	0.60
4. Barishal	10	336	34	20	5	0	0	15	15	425	1.10
5. Rangpur	15	916	605	0	120	222	5	10	21	1899	0.00
6. Rajshahi	17	1244	486	10	66	331	0	10	52	2199	0.05
7. Chattogram	18	1532	317	0	254	23	0	0	0	2126	2.01
8. Sylhet	6	569	78	0	116	10	0	0	35	808	0.50
TOTAL	**102**	**7421**	**2516**	**30**	**801**	**768**	**5**	**49**	**144**	**11734**	**4**
BFRI, Mymensingh	1	321	47	3	88	0	0	0	0	459	4695
TOTAL	**103**	**7742**	**2563**	**33**	**889**	**768**	**5**	**49**	**144**	**12193**	**4699**

Table 3.37. Hatchling Production of Private Hatchery in 2020-21

Division	No. of Hatchery	Hatchling Production (Kg)								Tilapia Juvenile (Lakh)
		Major Carp	Exotic Carp	Pangas	Thai Punti	Bata	Koi	Shingi/ Magur	Other	Total
1. Dhaka	47	10885	4260	0	1693	2428	560	360	861	**21047**	644
2. Mymensingh	339	62854	56036	5980	14361	3161	6247	26187	16907	**191733**	5349
3. Khulna	93	42555	33638	2961	1995	2247	1542	1292	1754	**87984**	2835
4. Barishal	40	10563	4836	326	2998	266	356	472	1918	**21735**	1834
5. Rangpur	96	27501	24523	0	5737	12480	412	1963	1042	**73658**	402
6. Rajshahi	175	56188	50262	12653	1813	13293	2354	9073	44381	**190017**	19049
7. Chattogram	139	44369	6942	6486	1448	908	314	282	878	**61627**	17560
8. Sylhet	24	4414	3208	30	702	343	25	0	85	**8807**	1824
TOTAL	**953**	**259329**	**183705**	**28436**	**30747**	**35126**	**11810**	**39629**	**67826**	**656608**	**49497**

Note : (1) About four lakh hatchlings contain in one kg spawn and one kg contains 1000-1200 Tilapia juvenile

(2) Other Species: Ghonia, Chital, Gulsa, Pabda etc.

(3) No. of Hatchery mentioned which is under operation only

Table 3.38. District-wise Annual Hatchlings Production of Private Hatchery in 2020-21

District	No. of Hatchery	Hatchling Production in Kg									Tilapia Juvenile (Lakh)
		Major Carp	Exotic Carp	Pangas	Thai Punti	Bata	Koi	Shingi/ Magur	Other	Total	
Dhaka	6	2291	896	0	335	660	0	0	60	4242	105
Faridpur	2	740	280	0	120	350	0	0	0	1490	0
Gazipur	3	236	355	0	140	60	0	0	0	791	145
Gopalganj	3	200	210	0	100	50	0	0	0	560	145
Kishoreganj	10	3300	855	0	350	20	0	30	237	4792	192
Madaripur	1	320	150	0	40	50	0	0	0	560	0
Manikganj	1	705	215	0	85	330	0	0	40	1375	0
Munshiganj	2	1000	300	0	100	200	0	0	400	2000	0
Narayanganj	0	0	0	0	0	0	0	0	0	0	0
Narsingdi	8	260	60	0	100		560	250	99	1329	50
Rajbari	3	635	415	0	0	50	0	0	0	1100	0
Shariatpur	2	266	0	0	0	0	0	0	0	266	0
Tangail	6	932	524	0	323	658	0	80	25	2542	7
Dhaka Division	**47**	**10885**	**4260**	**0**	**1693**	**2428**	**560**	**360**	**861**	**21047**	**644**
Jamalpur	12	1357	779	0	213	636	0	85	45	3115	54
Mymensingh	295	59407	54690	5980	13868	2225	5805	23122	14319	179416	4695
Netrakona	24	240	105	0	50		442	2980	2488	6305	0
Sherpur	8	1850	462	0	230	300	0	0	55	2897	600
Mymensingh Division	**339**	**62854**	**56036**	**5980**	**14361**	**3161**	**6247**	**26187**	**16907**	**191733**	**5349**
Bagerhat	2	300	0	0	0	0	0	0	1000	1300	0
Chuadanga	1	0	0	0	0	0	0	0	0	0	128
Jashore	42	30801	30956	2940	1115	685	1542	1212	19	69270	802
Jhenaidah	1	51	59	0	0	0	0	0	0	110	0
Khulna	4	5635	0	0	408	488	0	0	316	6847	96
Kushtia	13	3519	1476	0	350	940	0	80	320	6685	21
Magura	2	23	28	0	0	0	0	0	3	54	102
Meherpur	2	490	335	0	0	0	0	0	0	825	0
Narail	1	482	201	0	50	61	0	0	0	794	0
Satkhira	25	1254	583	21	72	73	0	0	96	2099	1686
Khulna Division	**93**	**42555**	**33638**	**2961**	**1995**	**2247**	**1542**	**1292**	**1754**	**87984**	**2835**
Barguna	4	0	0	0	0	0	25	0	1850	1875	127
Barishal	16	3821	2094	0	885	256	221	257	68	7602	1324
Bhola	10	2895	770	90	460	0	0	0	0	4215	330
Jhalokati	1	187	287	0	65	10	0	0	0	549	0
Patuakhali	8	3660	1685	236	1588		110	215	0	7494	50
Pirozpur	1	0	0	0	0	0	0	0	0	0	3
Barishal Division	**40**	**10563**	**4836**	**326**	**2998**	**266**	**356**	**472**	**1918**	**21735**	**1834**

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