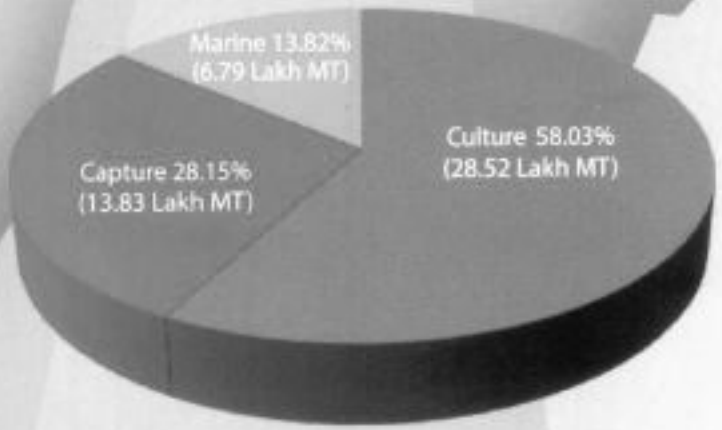
YEARBOOK OF

FISHERIES STATISTICS OF BANGLADESH

2022-23



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
2022-23

Fisheries Resources Survey System
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

(July 2022 - June 2023)

Volume: 40

Published: December 2023

Published by: Director General
Department of Fisheries, Bangladesh

Cover design: Syed Rakibul Moin, Former Senior Photo Artist, Department of Fisheries (DoF)

Printed by: Bangladesh Govt. Press (BG Press)
Department of Printing and Publications
Ministry of Public Administration.

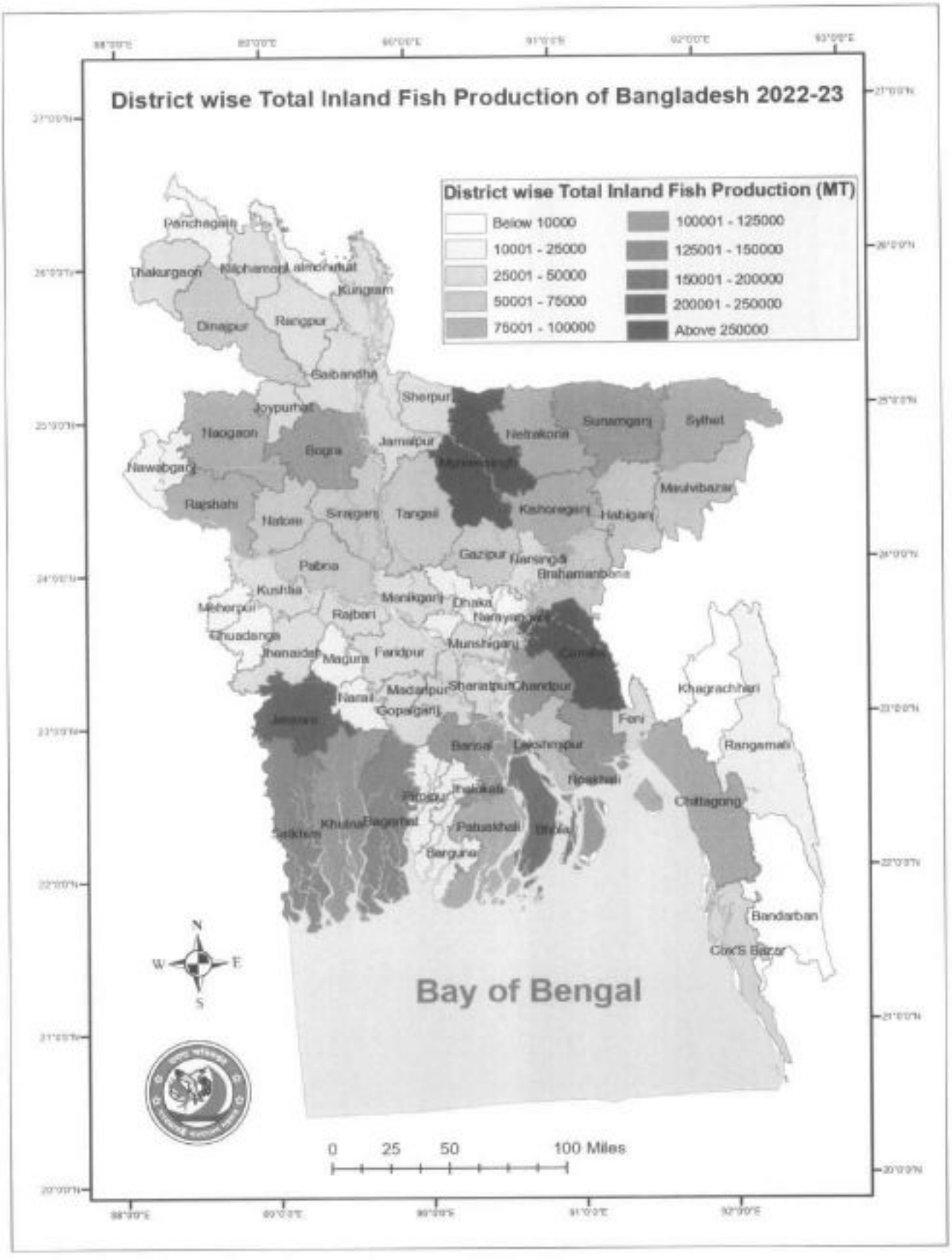
Citation: DOF. 2023. ***Yearbook of Fisheries Statistics of Bangladesh, 2022-23***. Fisheries Resources Survey System (FRSS), Department of Fisheries; Ministry of Fisheries and Livestock, 2023. Volume 40; 138p.

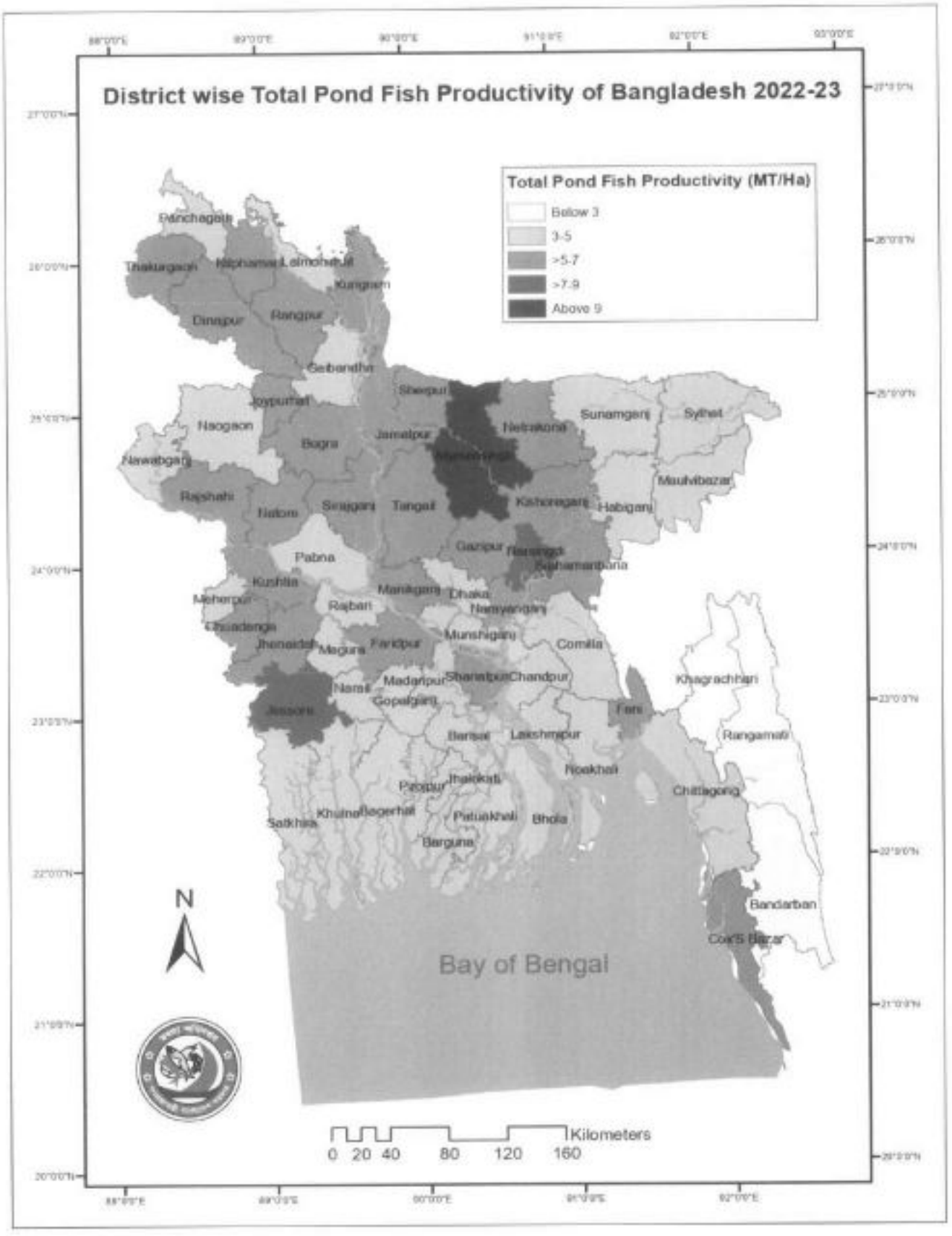
EDITORIAL PANEL

1. Anisur Rahman Talukder	Principal Scientific Officer (Planning & Survey) Department of Fisheries	Convener
2. Dr. Md. Sainar Alam	Director Fisheries Training Academy, Savar, Dhaka.	Member
3. Md. Zillur Rahman	Director (Marine) Department of Fisheries	Member
4. Md. Zia Haider Chowdhury	Project Director Sustainable Coastal and Marine Fisheries Project Department of Fisheries	Member
5. Dr. Md. Abdul Alim	Deputy Director (Admin) Department of Fisheries	Member
6. Md. Shahed Ali	Deputy Director (Finance & Planning) Department of Fisheries	Member
7. Alok Kumar Saha	Deputy Director (Aquaculture) Department of Fisheries	Member
8. Dilip Kumer Saha	Deputy Director (Shrimp) Department of Fisheries	Member
9. Md. Alamgir Hossen	Deputy Director Bangladesh Bureau of Statistics	Member
10. Masud Ara Momi	Deputy Chief Department of Fisheries	Member
11. Shabnam Mostary	Senior Assistant Director Department of Fisheries	Member Secretary

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


District wise Total Inland Fish Production of Bangladesh 2022-23
District wise Total Inland Fish Production (MT)
Below 10000
10001 - 25000
25001 - 50000
50001 - 75000
75001 - 100000
100001 - 125000
125001 - 150000
150001 - 200000
200001 - 250000
Above 250000
Panchagarh
Thakurgaon
Nilphamari
Lalmonirhat
Kurigram
Dinajpur
Rangpur
Gaibandha
Joypurhat
Sherpur
Naogaon
Jamalpur
Netrakona
Sunamganj
Sylhet
Bogra
Nawabganj
Mymensingh
Moulvibazar
Rajshahi
Natore
Sirajganj
Tangail
Kishoreganj
Habiganj
Gazipur
Narsingdi
Pabna
Brahmanbaria
Kushtia
Meherpur
Manikganj
Dhaka
Rajbari
Narayanganj
Chuadanga
Jhenaidah
Magura
Faridpur
Munshiganj
Comilla
Madaripur
Sheratpur
Chandpur
Khagrachhari
Narail
Gopalganj
Feni
Jessore
Barisal
Laxmipur
Rangamati
Noakhali
Patuakhali
Chittagong
Khulna
Jhalakati
Satkhira
Barguna
Bhola
Bandarban
Cox'S Bazar
Bay of Bengal
N
W
E
S
0
25
50
100 Miles


District wise Total Pond Fish Productivity of Bangladesh 2022-23
Total Pond Fish Productivity (MT/Ha)
Below 3
3-5
>5-7
>7-9
Above 9
Panchagarh
Thakurgaon
Nilphamari
Lalmonirhat
Kurigram
Dinajpur
Rangpur
Gaibandha
Joypurhat
Sherpur
Naogaon
Bogra
Jamalpur
Netrakona
Sunamganj
Sylhet
Nawabganj
Rajshahi
Natore
Sirajganj
Tangail
Kishoreganj
Habiganj
Moulvibazar
Pabna
Gazipur
Narsingdi
Brahmanbaria
Kushtia
Manikganj
Dhaka
Meherpur
Rajbari
Narayanganj
Chuadanga
Jhenaidah
Magura
Faridpur
Munshiganj
Comilla
Madaripur
Shariatpur
Chandpur
Khagrachhari
Narail
Gopalganj
Jessore
Feni
Barisal
Lakshmipur
Rangamati
Noakhali
Pirojpur
Jhalokati
Chittagong
Satkhira
Khulna
Bagerhat
Patuakhali
Bhola
Barguna
Bandarban
Cox's Bazar
Bay of Bengal
N
Kilometers
0 20 40 80 120 160

PREFACE

Bangladesh is one of the world's leading fish producing countries with a total production of 4.915 million MT in FY 2022-23. Through this remarkable achievement Bangladesh became a self-sufficient country in fish production providing 67.8 g of fish per person in daily dietary consumption. Inspite of budgetary crisis situation, the growth performance of this sector seems quite consistent and encouraging. Department of Fisheries is trying to sustain this growth performance, aligned with government development plans and policies. The GDP growth in the fisheries sector is 2.43 percent and the contribution of the fisheries sector in the overall agriculture sector is 22.14 percent in FY 2022-23 (BER 2023).

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 2022-23. Realizing the due importance of fisheries data, best and sincere efforts have been made 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 40th edition is a unique yearly publication of the Department of Fisheries, Bangladesh since FY 1983-84. Data accumulated in this publication have been collected following structured framework-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. Marine fisheries data has been updated with the assistance of Sustainable Coastal and Marine Fisheries Project and Marine Fisheries Survey Management Unit, DoF. The valuable feedback from concerned agencies and persons has been accounted for 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 precise 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 suggestions for improvement of the yearbook.

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

Syed Md. Alamgir
Director General
Department of Fisheries
Email: dg@fisheries.gov.bd
Phone: 02-223382861

ACKNOWLEDGEMENT

In 2022-23 FY, the total fish production reached at 4.915 million MT, which exceeds the targeted fish production of 4.782 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 third in inland open water capture production, fifth in aquaculture production as stated in the FAO report **The State of World Fisheries and Aquaculture 2022**. Bangladesh also ranks first 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 under the guidance and dynamic leadership of the honourable 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 40th 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 Director (Marine), Principal Scientific Officer (Marine Fisheries Survey Management Unit), 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 cooperation. Special thanks to 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.

Anisur Rahman Talukder
Principal Scientific Officer
Department of Fisheries
Email: psofrss@fisheries.gov.bd
Phone: 02-223381355

CONTENTS

KEY FINDINGS

Sectors of Fisheries	2022-23			2021-22			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)	**3861281**	**1383283**	**358**	**3860772**	**1321631**	**342**	**61652**	**4.66**
1. River and Estuary	853863	389035	456	853863	342545	401	**46490**	**13.57**
2. Sundarbans	177700	26047	147	177700	24259	137	**1788**	**7.37**
3. Beel	114161	108625	952	114161	105573	925	**3052**	**2.89**
(a) Natural	98625	89828	911	98841	87663	887	**2165**	**2.47**
(b) Beel Nursery	15536	18797	1210	15320	17910	1169	**887**	**4.95**
4. Kaptai Lake	68800	17056	248	68800	17937	261	**-881**	**-4.91**
5. Floodplain	2646757	842520	318	2646248	831317	314	**11203**	**1.35**
(a) Subsistence Fisheries	2317175	676850	292	2317175	673550	291	**3300**	**0.49**
(b) Fry Released Program	77865	40124	515	77356	39126	506	**998**	**2.55**
(c) Haor	251717	125546	499	251717	118641	471	**6905**	**5.82**
B. Inland Close Water (Culture)	**846341**	**2852047**	**3370**	**845399**	**2731070**	**3231**	**120977**	**4.43**
6. Pond	415872	2272667	5465	410683	2166715	5276	**105952**	**4.89**
7. Seasonal Cultured Waterbody	144513	231582	1602	149004	231692	1555	**-110**	**-0.05**
(a) Paddy Field/ Floodplain	129668	205015	1581	133996	204810	1528	**205**	**0.10**
(b) Borrow Pit	14845	26567	1790	15008	26882	1791	**-315**	**-1.17**
8. Baor	5671	12158	2144	5671	11685	2060	**473**	**4.05**
9. Shrimp/Prawn Farm	261833	301103	1150	262980	287497	1093	**13606**	**4.73**
(a) Shrimp/Prawn Production	-	144352	551	-	137021	521	**7331**	**5.35**
(b) Fish Production	-	156751	-	-	150476	-	**6275**	**4.17**
10. Crab Production	9372	12881	1374	9353	13397	1432	**-516**	**-3.85**
11. Pen Culture	9080	16402	1806	7708	15063	1954	**1339**	**8.89**
12. Cage Culture	1.93 lakh cum	5254	27 kg/cum	1.75 lakh cum	5021	29 kg/cum	**233**	**4.64**
Total Inland Fisheries	**4707622**	**4235330**	900	**4706171**	**4052701**	861	**182629**	**4.51**
C. Marine Fisheries	-	**679385**	-	-	**706030**	-	**-26645**	**-3.77**
13. Industrial	-	146037	-	-	137170	-	**8867**	**6.46**
14. Artisanal	-	533348	-	-	568860	-	**-35512**	**-6.24**
Total Fish Production	-	**4914715**	-	-	**4758731**	-	**155984**	**3.28**
Production of Selected Species								
Hilsa Production (MT)	-	**571342**	-	-	**566593**	-	**4749**	**0.84**
(a) River	-	270885	-	-	244035	-	**26850**	**11.00**
(b) Sundarbans	-	445	-	-	687	-	**-242**	**-35.23**
(c) Marine	-	300012	-	-	321871	-	**-21859**	**-6.79**
Shrimp/Prawn Production (MT)	-	**271302**	-	-	**261154**	-	**10148**	**3.89**
(a) Shrimp/Prawn Farm	-	144352	-	-	137021	-	**7331**	**5.35**
(b) Other Sources	-	80187	-	-	76527	-	**3660**	**4.78**
(c) Marine	-	46763	-	-	47606	-	**-843**	**-1.77**

* *Cage culture volume is 1.93 lakh cubic meter assuming average one-meter depth over 19.32 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 49.15 lakh MT in FY 2022-23, where aquaculture accounts for 58.03 percent of the total fish production. The country has exceeded the projected production target of 47.82 lakh MT of fish by 2022-23 in conformity with the targets of ***Vision-2041*** of the present government. Now, Bangladesh has become self-sufficient fish producing country that supplements about 60% (with per capita of 67.8 g/day against targeted 60 g/day) of total daily animal protein intake of her people. Bangladesh earns a considerable volume of foreign currencies by exporting fish, shrimps and other fishery products that contribute 0.80% of the total national export earnings (EPB 2023). In 2022-23, the country earns BDT 4790.34 crore by exporting almost 70 thousand MT of fish and fishery products despite the financial crisis 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 2022***, Bangladesh ranked third in inland open water capture production and fifth in world aquaculture production. 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 (11.63 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**' and also for tiger shrimp named as '**Bangladesh Tiger Shrimp**'.

The GDP growth in the fisheries sector is 2.43 percent and the contribution of the fisheries sector in the overall agriculture sector is 22.14 percent in FY 2022-23 (BER 2023). Around 12% of the population 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 more than six times (7.54 lakh MT in 1983-84 to 49.15 lakh MT in 2022-23). 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/Crick, ox-bow lake (baor), shrimp/prawn farm, seasonal cultured waterbody, pen, and cage culture, etc. covering an area of about 8.46 lakh hectors and produces 28.52 lakh MT accounting for about 58.03 percent of the total fish production in 2022-23. The aquaculture production of 10.63 lakh MT in 2008-09 has been more than doubled to 28.52 lakh MT in 2022-23 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. draws 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 experience 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 has been gradually reduced to the lowest level from 62.59% in 1983-84 to 28.15% in 2022-23 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 have 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 productivity. The programs include 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 500 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 11.63% of annual fish production by volume in 2022-23. 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, the government has undertaken several protection and conservation measures to protect jatka and hilsa brood. The Hilsa Fisheries Management Action Plan (HFMAP) is 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 been increased and since 2002-03, hilsa catch of 1.99 lakh MT has been increased to 5.71 lakh MT in FY 2022-23.

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 in adopting an 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 maintaining 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 1.75 lakh MT in 2003-04 to 2.71 lakh MT in 2022-23.

Bangladesh having sovereign rights over almost 118,813 sq. kms in the Bay of Bengal possesses vast marine water resources rich in biodiversity. The Marine fishing sector provides only about 13.82% of marine production 6.79 lakh MT in 2022-23. In marine fishing involves over 232 industrial trawlers and more than 67669 artisanal vessels. Artisanal small-scale fishery contributes 78.50%; i.e , 5.33 lakh MT and large industrial fishery contributes 21.50%; i.e. 1.46 lakh MT of total marine production. Over the three decades, since 1983–84, the total marine catch of 1.65 lakh MT has been increased to 6.79 lakh MT in FY 2022-23. 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 the St. Martin Island and the Sundarbans mangrove forest as sanctuary, and declaration and surveillance of 698 sq. km marine reserve and marine protected area (MPA) of 1738 sq. kms 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 staff 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 have been implementing various socio-eco-friendly interventions aligning with its mandate for achieving SDG targets. MoFL, in consultation with the stakeholders, has already developed the ***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 managing 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 an 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 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 has 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. The GDP growth in the fisheries sector is 2.43 percent and the contribution of the fisheries sector in the overall agriculture sector is 22.14 percent in FY 2022-23 (BER 2023) as well as 0.80% to national export earnings. This sector supplies 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 is again divided into two sub-groups as Inland Capture and Inland Culture fisheries. Inland Capture fisheries comprise rivers 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 2022-23 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 40th 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 2022-23. 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. Marine fisheries data has been updated with the assistance of Sustainable coastal and marine fisheries project and Marine fisheries survey management unit, DoF. 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 considered 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 nationally, 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 a better developmental plan. This edition of fisheries 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 projects 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 are 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 to food security through providing safe and quality animal protein. The GDP growth in the fisheries sector is 2.43 percent and the contribution of the fisheries sector in the overall agriculture sector is 22.14 percent in FY 2022-23 (BER 2023) as well as 0.80% to total country export earnings. Fish supplements to about 60% of our daily animal protein intake. Around 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. Marine fisheries data has been updated by the assistance of Sustainable coastal and marine fisheries project and Marine fisheries survey management unit, DoF.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 channels. 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 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. **The Sundarbans**	Fisheries in The Sundarbans only; Sundarbans, the largest single block of tidal halophytic mangrove forest in the world, comprises 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 a 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 a dead river creating a free-standing body of water for fish culture. Baor, the horseshoe shaped oxbow lake was created by the meandering rivers changing their courses, part of the old course got silted up and cut-off from the mainstream 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 sides, 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 use 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 undertaken 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) based on 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 seasonal 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)

4—

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 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 have 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

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 the Department of Fisheries. Besides, leaseholders 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/beel nursury, 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 in 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).
- A 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 seasons based on total no. of fishing days and sample data has to be estimated (Format Beel- 4).

Katta Fishing

- At the 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 supplied it 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

The purpose of catch assessment survey of the subsistence/floodplain fisheries is to collect sample catch data of flood waters in the monsoon season 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 S-1 and F-1)
- 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 the head of household or any other member on their fishing activities during the previous month (Form S-2 and F-2). 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 SCW-1 & SCW-2).

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 visits 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 based on districts, months, types of gear and species.

A stratified random sampling technique is adopted by the Marine Fisheries Survey Management Unit (MFSMU) for the estimation of the fish landings. The stratification is over both space and time. Over space, total coastal area is divided into two non-overlapping zones on the basis of ecosystem and geographical considerations. The stratification over time is by calendar month. Each zone and a calendar month are taken as the basis of space-time stratum.

Frame Survey

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

Fishing Unit: Fishing unit identified based on 1) fishing behavior and 2) fishing gear:

Three types of fishing behavior corresponding to the 5 types of gear operations.

1) Boat Type by Fishing Behavior (Duration at Sea):

   a) Single day

   b) Multi-days (2 to 5 days)

   c) Multi-days (>=6 days)

2) Fishing Gear Type

a) Gill Net/Trammel Net > 1000 (m)
b) Gill Net/Trammel Net upto 1000 (m)
c) Set Bag Net
d) Hook and Line Fishing
e) Other Gears/Traps Fishing

A total (3 x 5=15) of fishing units taken into consideration. Fishing unit is a combination of boat & gear.

Sample Landing Centers

14 coastal districts divided into two major strata: a) Coastal Fisheries (Stratum-1), b) Marine Fisheries (Stratum-2).

a) Stratum-1 (09 districts): Barisal, Bhola, Barguna, Pirojpur, Patuakhali, Jhalokathi, Khulna, Satkhira, Bagerhat.
b) Stratum-2 (05 districts): Chattogram, Cox's Bazar, Feni, Noakhali, Lakshmipur.

Sampling Days

Along the Bangladesh coast 212 landing center listed into frame survey and randomly sample from two major strata for 15 fishing unit every alternate day in every month.

Sample Landing

At the time of visiting a selected landing center the concern officer/enumerator will select boat operated with a certain type of gear on that sampling day. First he is to make a contact with a well-informed fisherman/skipper and ask him about the expected number of landings (boat arrival for landing) of that particular type of gear during the sampling day. Besides concern officer/enumerator also records catch assessment information about how many days fished in last 10 days (to calculate Probability of Active Boat; PAB). In present data collection system all data are recorded on **'Kobo Toolbox'** platform.

Observation of sample landings

The purpose of sample landing observation is to record sample catch data of one trip for particular gear type (fishing unit). If any sample landing consists of catches by more than one fishing gear or only a part of catch by more than one fishing gear the concern officer/enumerator has to ask the fisherman whether that catch by only one fishing unit and then record it. If it is impossible the sample landing to be changed then it is to be carried out to the next landings. The concerned officer is to interview to the head fisherman/skipper about the fishing unit, fishing operation, gear information and record data on **'Kobo Toolbox'** platform (form MA-1).

The concerned officer/enumerator observes landings survey of the sample fishing units and interview to the head fisherman/skipper about catch quantity, species composition and record data on **'Kobo Toolbox'** platform (form MA-2) for each fish species captured. 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:

Probability of Active Boat (PAB) = (Actual fishing days in a time) /(Maximum Possible fishing days in a time)

Effort Calculation:

Effort deployed = Number of boat of specific gear type from frame survey × PAB × Active days in the Month

Catch Per Unit Effort (CPUE) Calculation:

CPUE= (Total catch per gear type obtained from observed sample catch data in a month / Effort for that gear type in a month)

Total Catch Calculation:

Estimated monthly total catch = (Catch Per Unit Effort (CPUE) per gear type obtained by the catch assessment survey × Effort for that gear type in a 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 49.15 lakh MT in 2022-23, whereas inland open water (capture) contributes 28.15% (13.83 lakh MT) and inland closed water (culture) contributes 58.03% (28.52 lakh MT) to total fish production. So, 86.18% of total fish production comes from inland fisheries. The growth rates of inland capture and inland culture fisheries are 4.66% and 4.43% respectively. On the other hand, Marine fisheries production is 6.79 lakh MT and its contribution to total fish production is 13.82% with growth rate -3.77%. The overall growth rate of total fish production in 2022-23 is 3.28%. The growth performance inland aquaculture shows an increased trend. The fish production has increased more than six times (7.54 lakh MT in 1983-84 to 49.15 lakh MT in 2022-23) during the last 40 years (Fig. 3.1).

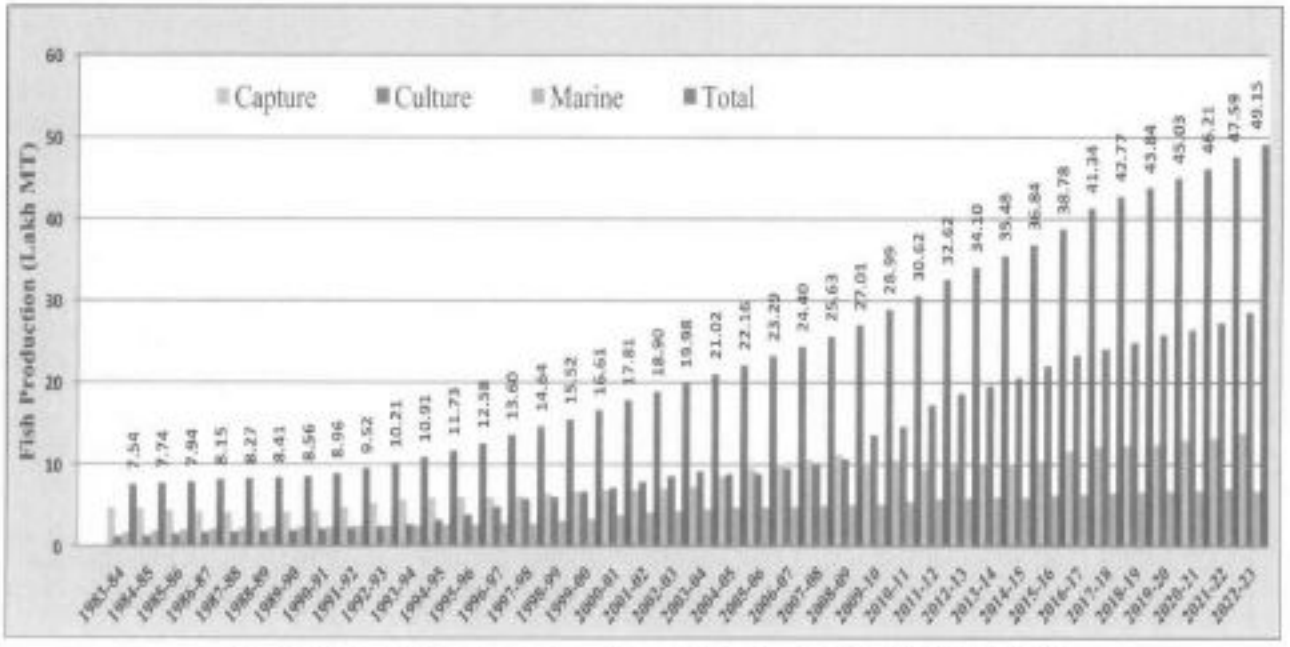


Fig. 3.1: Last 40 years sector-wise fish production trend (lakh MT)

The fish production diversity of fisheries resources of inland open water fisheries of river, beel, floodplain and Kaptai lake in 2022-23 are 3.89 lakh MT, 1.09 lakh MT, 8.43 lakh MT and 0.17 lakh MT, respectively and corresponding growth rates are 13.57, 2.89, 1.35 and -4.91 percent, respectively. The respective contributions to total production are 7.92, 2.21, 17.14 and 0.35 percent. Fish production has increased compared to previous year. The production of Sundarbans fishery has increased, its production is 0.26 lakh MT and contributes 0.53% to total production and consequently its growth rate is 7.37% (Fig. 3.2).

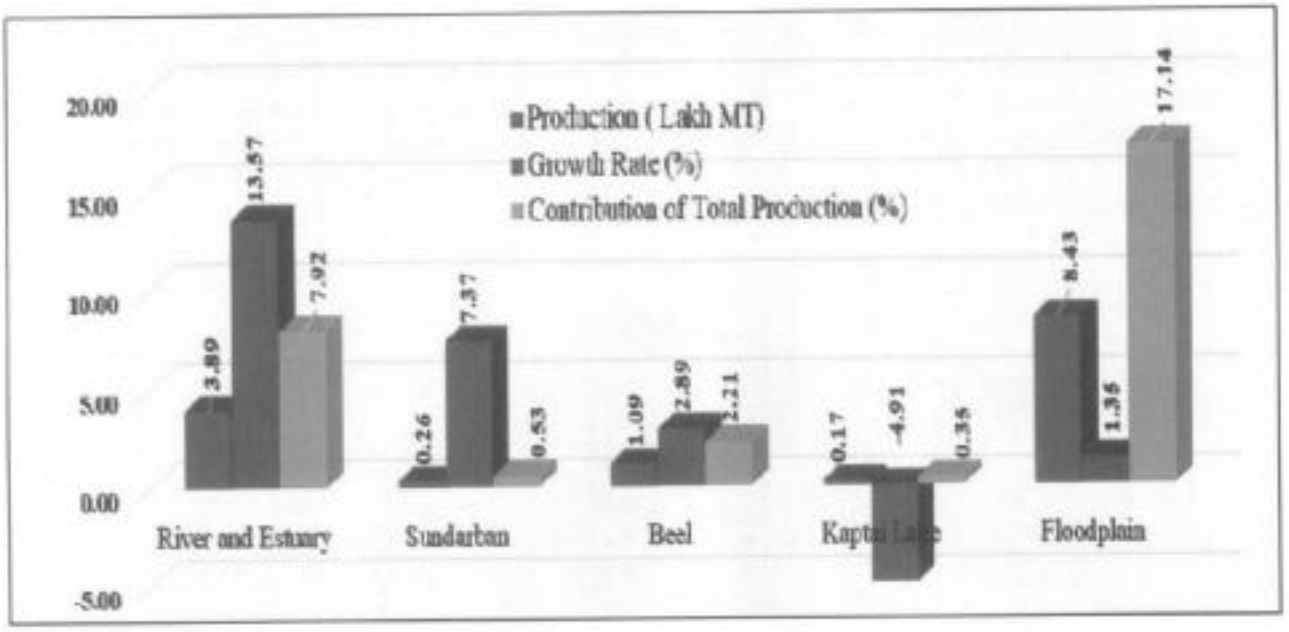


Fig. 3.2: Fish production diversity of inland open water fisheries in 2022-23

The growth performance of inland capture shows a slightly moderate increased trend. The capture fish production has increased 2.9 times more (4.72 lakh MT in 1983-84 to 13.83 lakh MT in 2022-23) in which floodplain fish production has increased 4.2 times more (2.01 lakh MT in 1983-84 to 8.43 lakh MT in 2022-23) 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).

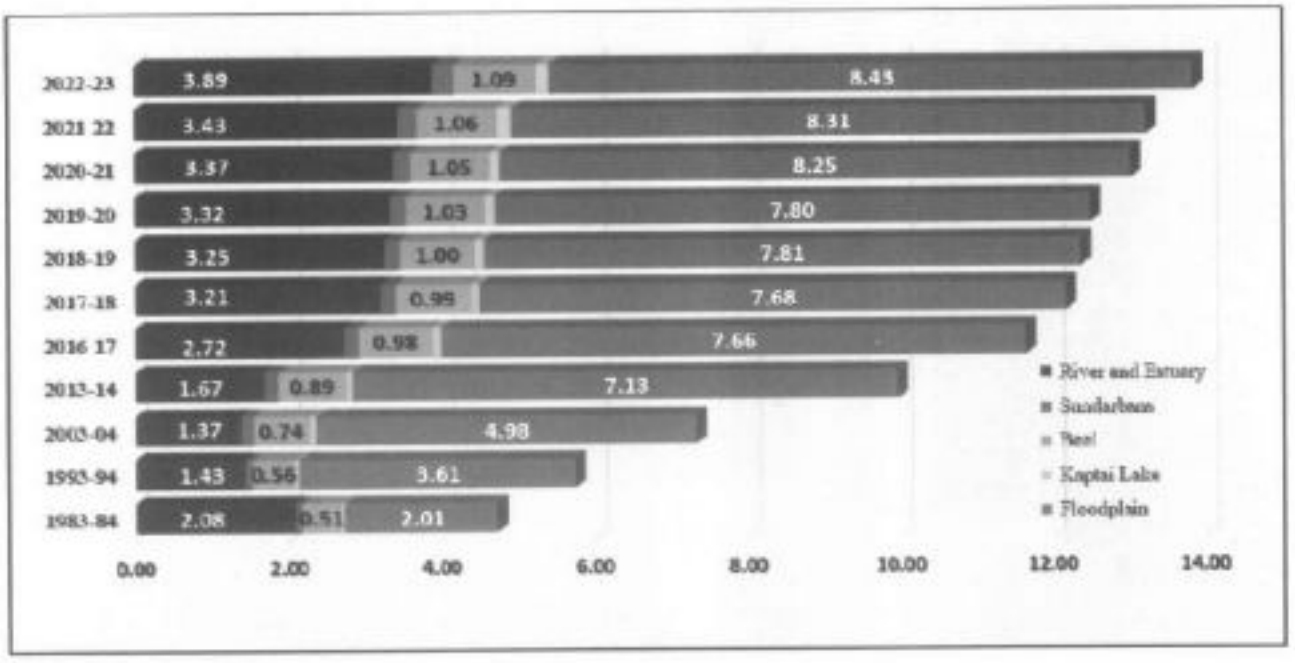


Fig. 3.3: Last 40 years, source-wise fish production of capture fisheries (Lakh MT)

The fish production (aquaculture) of pond, seasonal cultured waterbody, baor, shrimp farm, pen culture and cage culture (inland closed waterbody-culture) in 2022-23 are 22.73 lakh MT, 2.32 lakh MT, 0.12 lakh MT, 3.01 lakh MT, 0.16 lakh MT, 0.05 lakh MT, respectively. Subsequently, the corresponding contributions to total production are 46.24, 4.71, 0.25, 6.13, 0.33 and 0.11 percent, respectively. The corresponding growth rates are 4.89, -0.05, 4.05, 4.73, 8.89 and 4.64 percent, respectively. Crab production is 0.13 lakh MT which is included from 2015-16 in the yearbook (Fig. 3.4).

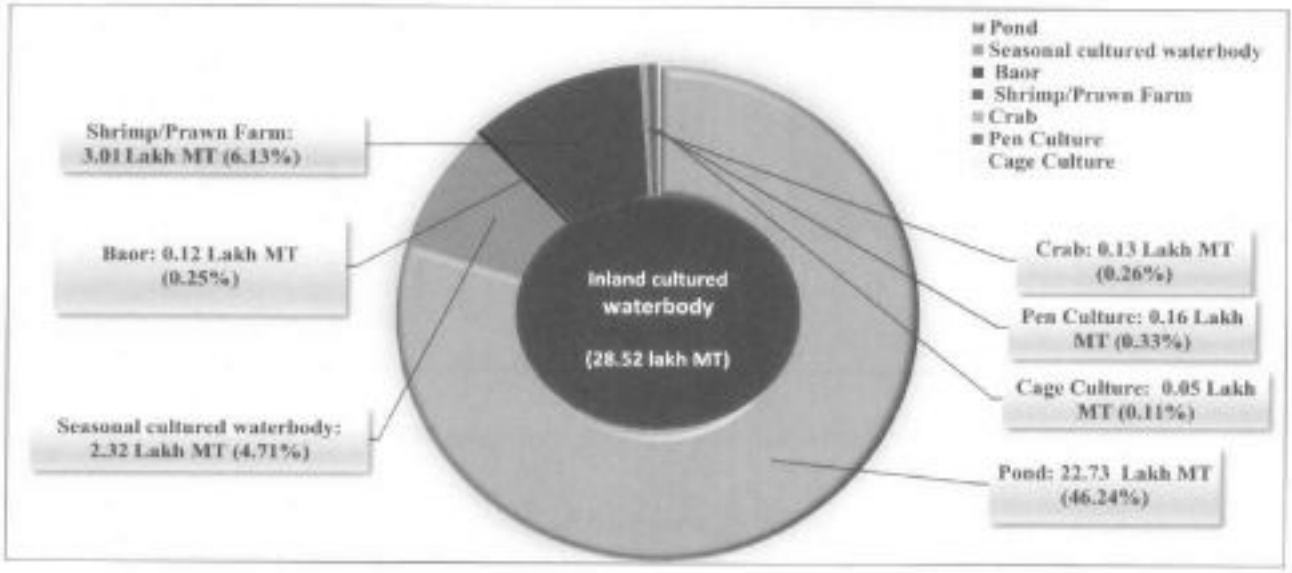


Fig. 3.4: Fish production diversity of inland cultured waterbody in 2022-23 (Parenthesis indicates contribution percentage)

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 more than doubled (10.06 lakh MT in 2007-08 to 28.52 lakh MT in 2022-23) during the last fourteen 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).

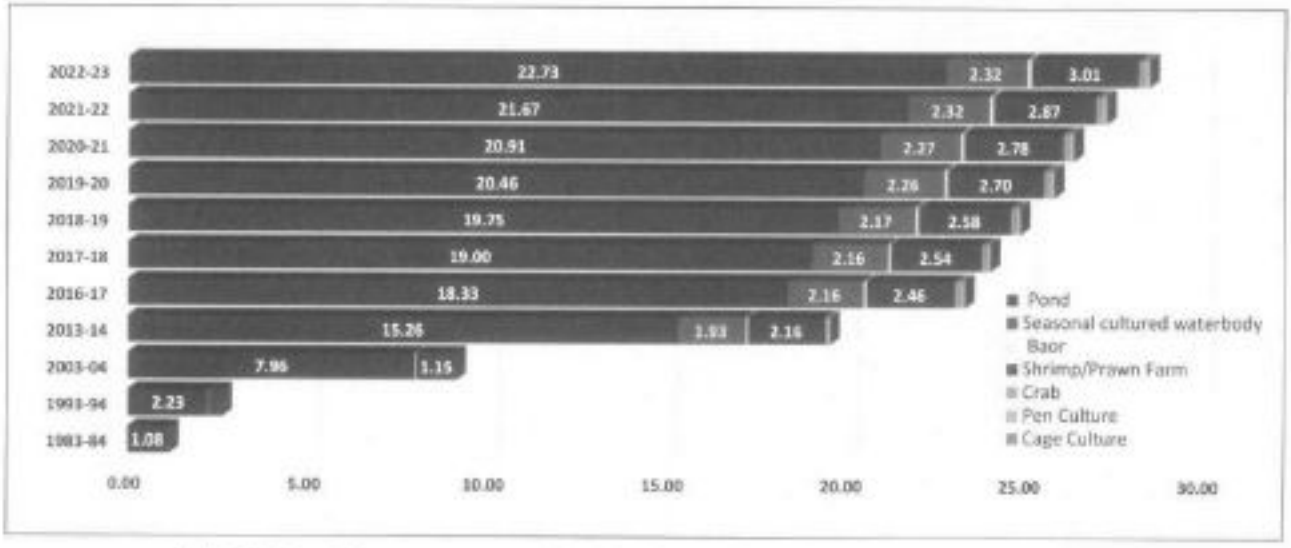


Fig. 3.5: Last 40 years source-wise Inland aquaculture fish production (Lakh MT)

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 5.47, 1.60, 2.14 and 1.15 for pond, seasonal waterbody, baor (oxbow lake) and shrimp farm, 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 2022-23 are shown in the following graph (Fig. 3.6).

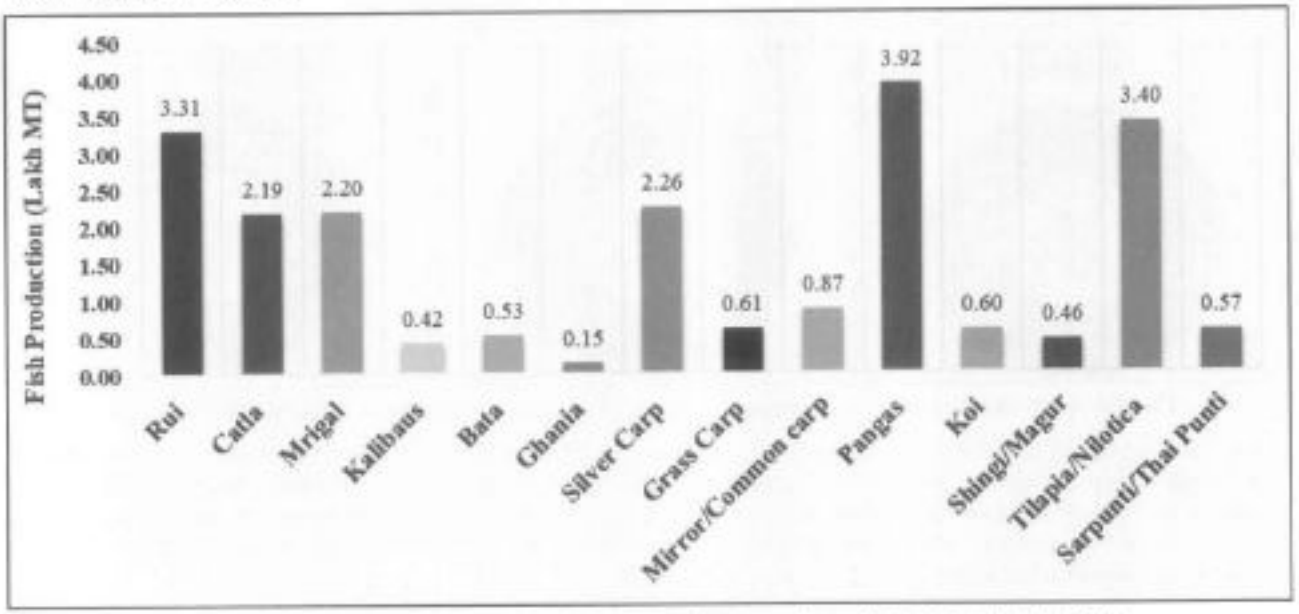


Fig. 3.6: Species-wise fish production of pond aquaculture in 2022-23 (Lakh MT)

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).

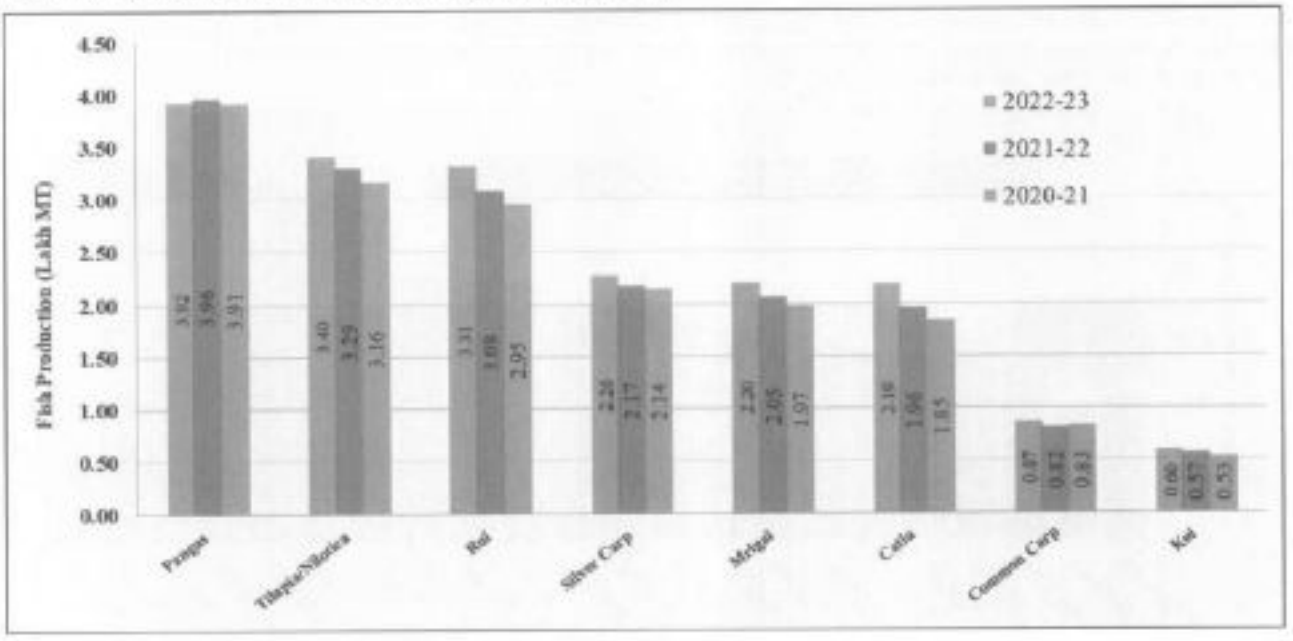


Fig. 3.7: Last three years production performance of top eight potential aquaculture species (Lakh MT)

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; whereas in 2022-23, inland capture fisheries contribute only 28.15%, inland culture fisheries contribute 58.03%, marine fisheries contribute 13.82% to total fish production. Total marine fisheries production is 6.79 lakh MT (Industrial is 1.46 lakh and Artisanal is 5.33 lakh MT) and its growth rate is -3.77%. 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 practiced culture system in Bangladesh. During the last 40 years, aquaculture contribution to total fish production has been increased remarkablely15.53% in 1983-84 to 2022-23 of 58.03%. Aquaculture production including the pond, Seasonal cultured waterbody, shrimp farm, baor etc. showed an increasing trend from 2007-08 with a value of 39.23% to 2022-23 with a value of 58.03% which is shown in following graph (Fig. 3.8)

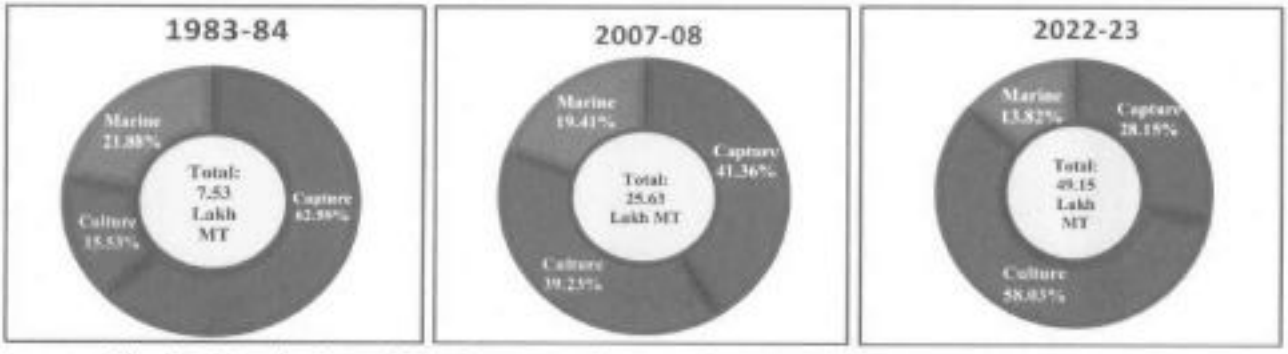


Fig. 3.8: Contribution of inland capture, culture, and marine fisheries to total fish production

Hilsa (Ilish) is the national fish of Bangladesh. Hilsa (*Tenualosa Ilisha*) is one of the largest single-species fishery in Bangladesh which makes the Significant contribution to the country's total fish production. About 11.63% of the country's total fish production comes from hilsa. As a result, hilsa production increased from 2.56 lakh MT in 2003-04 to 5.71 lakh MT in 2022-23. The growth rate of hilsa production is 0.84%. 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 average annual incremental total hilsa production increased from 3.5% to 9% after 2015, resulting annual total hilsa production of 5.71 lakh MT in 2022-23. Hilsa production in Bangladesh has almost doubled over the 15 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 11.63% of the country's total fish production is contribute by this hilsa fishery. The hilsa production trends have increased gradually since 2004, which are shown in the following graph (Fig. 3.9).

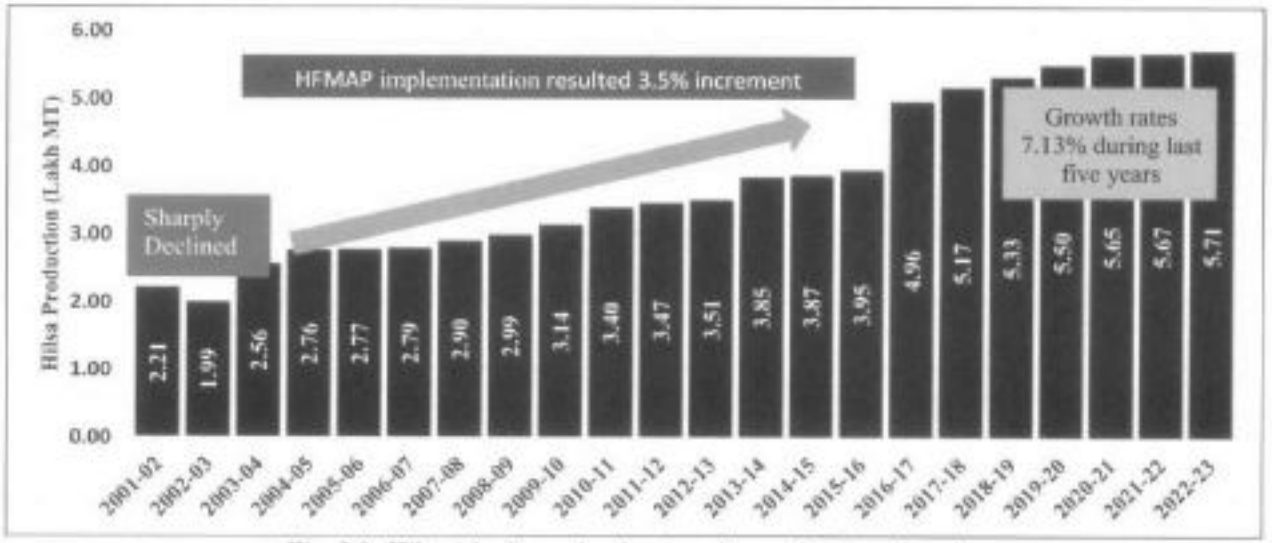


Fig. 3.9: Hilsa (shad) production trends over last two decades

Shrimp is one of the major export items in Bangladesh. Total shrimp and prawn production including capture has increased from 1.40 lakh MT in 2000-01 to 2.71 lakh MT in 2022-23 and its current growth rate is 3.89%. 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).

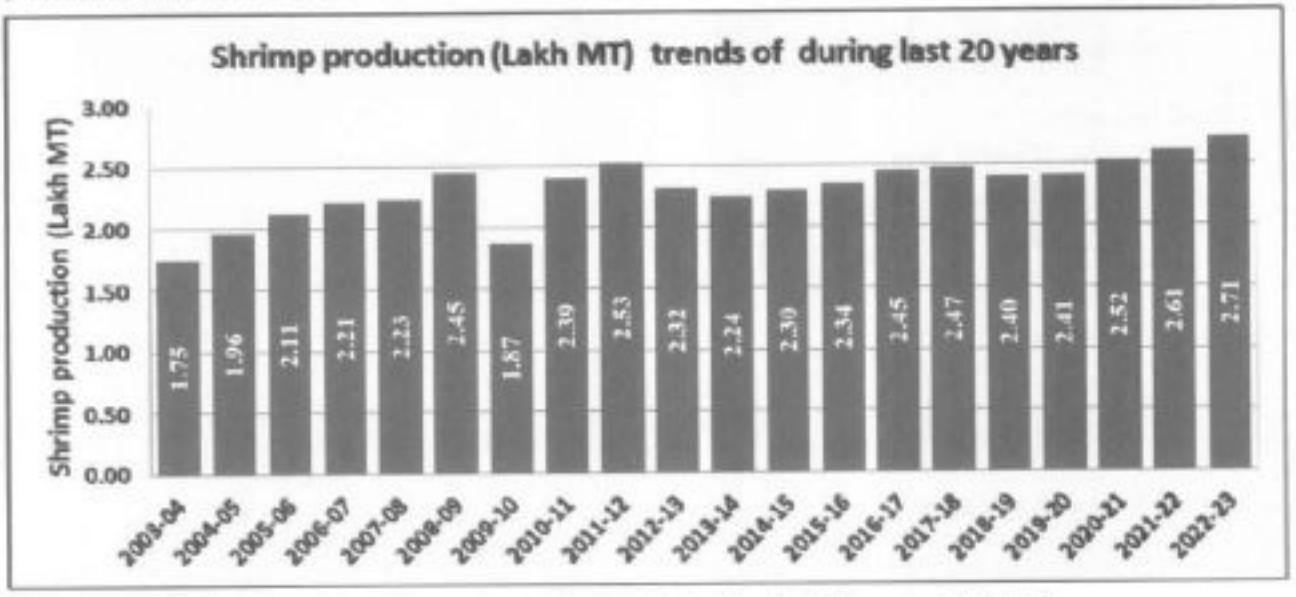


Fig. 3.10: Shrimp production trends during last 20 years (Lakh MT)

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 2022-23, Bangladesh earned 4790.34 crore taka by exporting 69880.60 MT of fish and fishery products. During the last two decades, the export trends and corresponding foreign earnings (in crore) are shown in the following graph (Fig. 3.11).

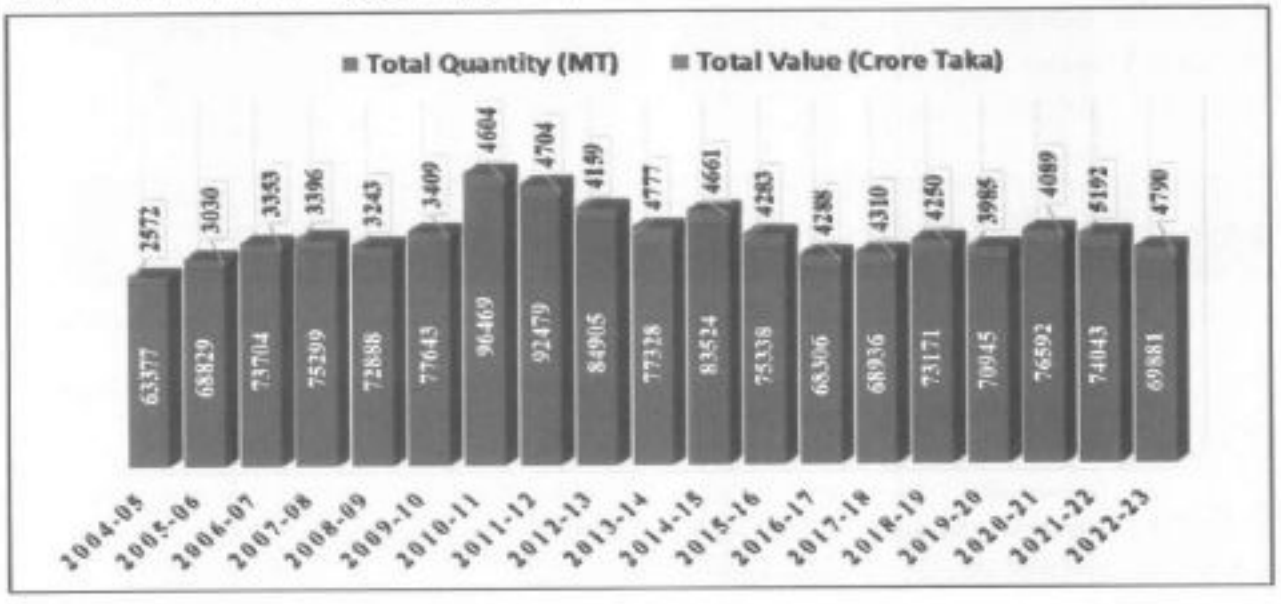


Fig. 3.11: Last two decades export trends of fish and fishery products and corresponding foreign earnings

This yearbook of fisheries statistics 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 2022-23

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	389035	*7.92*	456	kg/ha
2. Sundarbans	177700	26047	*0.53*	147	kg/ha
3. Beel	114161	108625	*2.21*	952	kg/ha
4. Kaptai Lake	68800	17056	*0.35*	248	kg/ha
5. Floodplain	2646757	842520	*17.14*	318	kg/ha
Capture Total	***3861281***	***1383283***	***28.15***		
(ii) Inland Closed Water (Culture)					
6. Pond	415872	2272667	*46.24*	5465	kg/ha
7. Seasonal Cultured Waterbody	144513	231582	*4.71*	1602	kg/ha
8. Baor	5671	12158	*0.25*	2144	kg/ha
9. Shrimp/Prawn Farm	261833	301103	*6.13*	1150	kg/ha
-Crab*	9372	12881	*0.26*	1374	kg/ha
10. Pen Culture	9080	16402	*0.33*	1806	kg/ha
11. Cage Culture **	*1.93 lakh cum*	5254	*0.11*	27	kg/cum
Culture Total	***846341***	**2852047**	**58.03**		
Inland Fisheries Total	4707622	4235330	86.18		
B. Marine Fisheries					
12. Industrial (Trawling)		146037	*2.97*		
13. Artisanal		533348	*10.85*		
Marine Fisheries Total		679385	13.82		
COUNTRY TOTAL		4914715	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.*

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

** *The volume of cage is 1,93,232 cubic meter assuming one-meter average depth of the cages over 19.32 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 2022-23

[Unit: Metric Ton]

Sl. No.	Species/Group	Inland Fisheries	Marine Fisheries	Total	%
1	Major Carp	1084397	0	1084397	*22.06*
2	Other Carp	144584	0	144584	*2.94*
3	Exotic Carp	545141	0	545141	*11.09*
4	Pangas (Catfish)	403283	0	403283	*8.21*
5	Other Catfish	76000	0	76000	*1.55*
6	Snake Head	81092	0	81092	*1.65*
7	Live Fish	184314	0	184314	*3.75*
8	Tilapia	421191	0	421191	*8.57*
9	Other Inland fish	666642	0	666642	*13.56*
10	Hilsa/Ilish *(Tenualosa Ilisha)*	271330	300012	571342	*11.63*
11	Shrimp/Prawn	224539	46763	271302	*5.52*
12	Crab (*Scylla serrate* & *Scylla olivacea*)	12881	0	12881	*0.26*
13	Sarpunti (*Puntius sarana*)	112280	0	112280	*2.28*
14	Cuchia	7656	0	7656	*0.16*
15	Sardine *(Sardinella fimbriata)*	0	51500	51500	*1.05*
16	Bombay Duck (*Harpondon nehereus)*	0	81942	81942	*1.67*
17	Indian Salmon (*Polydactylus indicus)*	0	200	200	*0.00*
18	Pomfret (Rup/Hail/Foli Chanda*)*	0	12052	12052	*0.24*
19	Jew Fish (Poa, Lambu, Kala datina etc.)	0	42754	42754	*0.87*
20	Sea Catfish (*Tachysurus* spp.*)*	0	15305	15305	*0.31*
21	Shark/Skate/Ray	0	3351	3351	*0.07*
22	Tuna and Tuna like fish	0	15051	15051	*0.31*
23	Other Marine Fish	0	110455	110455	*2.25*
TOTAL	**Production (Metric Ton)**	**4235330**	**679385**	**4914715**	**100**
	%	**86.18**	**13.82**	**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 Catfish - 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 2022-23

[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	4104	0	14109	9	48054	330520	54158	1797	34640	2290	0	489681	*11.56*
2	Catla	2626	0	9090	13	20878	219379	24110	1086	25682	1594	0	304458	*7.19*
3	Mrigal	1900	0	9893	3	25981	219683	25609	784	4944	1461	0	290258	*6.85*
4	Kalibaus	884	0	1952	8	3546	42036	439	117	0	195	0	49177	*1.16*
5	Bata	3529	0	1766	18	1548	52654	10526	280	2902	395	0	73618	*1.74*
6	Ghania	69	0	1162	0	1770	15397	2583	35	574	199	0	21789	*0.51*
7	Silver carp	0	0	4844	0	2880	225580	37233	1496	16042	1199	0	289774	*6.84*
8	Grass carp	0	0	2136	0	7429	61391	12040	709	1720	418	0	85843	*2.03*
9	Mirror/Common carp	0	0	2698	0	22425	86947	23657	550	1306	399	0	137982	*3.26*
10	Other Exotic carp	0	0	648	0	0	30578	0	63	0	253	0	31542	*0.75*
11	Pangas	2123	0	190	0	8947	391593	0	0	0	430	0	403283	*9.52*
12	Boal/Ayre	4502	0	4890	148	65343	751	128	174	0	64	0	76000	*1.79*
13	Shol/Gazar/Taki	1160	0	3783	20	72894	2584	297	287	0	67	0	81092	*1.92*
14	Koi	194	0	2809	0	10357	60387	1471	22	0	26	0	75266	*1.78*
15	Shingi/Magur	128	0	2074	6	60440	46236	82	18	0	64	0	109048	*2.58*
16	Tilapia/ Nilotica	0	0	1490	6	0	339557	24992	487	45420	3985	5254	421191	*9.94*
17	Sarpunti/Thai punti	388	0	4454	0	21195	57008	8701	234	18530	1770	0	112280	*2.65*
18	Other Inland Fish	75986	24803	34202	16720	417948	83977	3573	3003	4938	1492	0	666642	*15.74*
19	Hilsa	270885	445	0	0	0	0	0	0	0	0	0	271330	*6.41*
20	Big Shrimp/ Prawn	5647	278	64	0	1670	2861	730	21	139811	0	0	151082	*3.57*
21	Small Shrimp/ Prawn	12282	521	4404	105	46512	3369	1143	486	4541	94	0	73457	*1.73*
22	Crab	0	0	0	0	0	0	0	0	12881	0	0	12881	*0.30*
23	Cuchia	2628	0	1967	0	2703	179	110	9	53	7	0	7656	*0.18*
	TOTAL	**389035**	**26047**	**108625**	**17056**	**842520**	**2272667**	**231582**	**12158**	**313984**	**16402**	**5254**	**4235330**	**100**
	%	9.19	0.62	2.56	0.40	19.89	53.66	5.47	0.29	7.41	0.39	0.12	100	

Note:

1. *Other Exotic Carp: Big Head Carp, Black Carp etc.*
2. *Other Inland Fish: Punti, Chapila, Tengra, Papda, 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 2022-23

[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	1197	0	871	0	6292	8716	4072	0	5	2587	6	23746
Faridpur	2633	0	642	0	10247	22721	5895	855	11	1271	0	44275
Gazipur	526	0	1858	0	17150	29460	7946	0	6	835	6	57787
Gopalganj	761	0	930	0	8850	19263	3368	1014	2329	4858	16	41389
Kishoreganj	2641	0	7404	0	47996	28928	1029	0	0	222	0	88220
Madaripur	1624	0	326	0	8708	14322	214	1535	76	1427	225	28457
Manikganj	3096	0	744	0	11754	14392	2694	0	1	454	0	33135
Munshiganj	3622	0	303	0	11991	10731	4343	0	5	206	0	31201
Narayanganj	1827	0	179	0	1918	11341	3047	0	0	1030	0	19342
Narsingdi	2916	0	1352	0	13234	25744	877	0	0	98	1449	45670
Rajbari	3099	0	327	0	6611	17180	2724	34	0	0	7	29982
Shariatpur	6203	0	71	0	6036	15445	139		53	4	0	27951
Tangail	1605	0	2498	0	12185	43507	1681	0	0	5	0	61481
Dhaka Division	**31750**	**0**	**17505**	**0**	**162972**	**261750**	**38029**	**3438**	**2486**	**12997**	**1709**	**532636**
Jamalpur	3327	0	3283	0	10227	20994	1653	0	2	0	18	39504
Mymensingh	1363	0	6657	0	12126	317169	1639	0	0	5	0	338959
Netrakona	1547	0	7056	0	38635	44458	3292	0	0	26	0	95014
Sherpur	1016	0	2652	0	2655	24894	1522	0	0	0	0	32739
Mymensingh Division	**7253**	**0**	**19648**	**0**	**63643**	**407515**	**8106**	**0**	**2**	**31**	**18**	**506216**
Bagerhat	5616	22144	35	0	5667	18675	1893	19	78769	208	3	133029
Chuadanga	390	0	1140	0	1440	12216	1481	1682	0	0	0	18349
Jashore	1029	0	1838	0	36427	138767	26302	3914	32946	0	0	241223
Jhenaidah	390	0	1106	0	6694	28864	3995	2176	0	0	0	43225
Khulna	4095	1644	256	0	21379	19615	1120	0	74245	0	3	122357
Kushtia	1380	0	621	0	3982	25523	4132	206	1	0	0	35845
Magura	1229	0	163	0	3034	11998	85	264	42	0	0	16815
Meherpur	321	0	443	0	1078	7698	218	255	1	0	0	10014
Narail	1010	0	580	0	3602	5348	632	0	4538	0	0	15710
Satkhira	1521	2259	39	0	14173	45271	2004	204	83815	0	0	149286
Khulna Division	**16981**	**26047**	**6221**	**0**	**97476**	**313975**	**41862**	**8720**	**274357**	**208**	**6**	**785853**
Barguna	7069	0	0	0	3709	8713	745	0	650	17	86	20989
Barishal	48487	0	39	0	9477	41666	7382	0	2898	29	63	110041
Bhola	107273	0	0	0	5387	39674	440	0	122	0	146	153042
Jhalokati	2495	0	18	0	4819	5451	606	0	186	122	10	13707
Patuakhali	34491	0	0	0	10654	28487	244	0	3543	8	0	77427
Pirojpur	4010	0	14	0	4198	10469	1101	0	2643	0	26	22461
Barishal Division	**203825**	**0**	**71**	**0**	**38244**	**134460**	**10518**	**0**	**10042**	**176**	**331**	**397667**

[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**
Dinajpur	331	0	612	0	6318	55722	4317	0	25	0	0	**67325**
Gaibandha	2420	0	586	0	6276	28091	1310	0	4	273	8	**38968**
Kurigram	4471	0	1819	0	11515	22873	5395	0	3	372	15	**46463**
Lalmonirhat	235	0	630	0	1743	15961	4789	0	0	119	0	**23477**
Nilphamari	227	0	527	0	3771	22216	1451	0	4	26	6	**28228**
Panchagarh	137	0	78	0	3080	15267	1018	0	0	106	10	**19696**
Rangpur	184	0	1953	0	8921	34204	4258	0	21	92	0	**49633**
Thakurgaon	132	0	233	0	4035	28160	525	0	0	11	0	**33096**
Rangpur Division	**8137**	**0**	**6438**	**0**	**45659**	**222494**	**23063**	**0**	**57**	**999**	**39**	**306886**
Bogura	1015	0	2733	0	5010	94951	694	0	15	51	12	104481
Chapainawabganj	2086	0	3206	0	1569	14983	248	0	0	31	7	22130
Joypurhat	264	0	304	0	277	24964	588	0	21	0	4	26362
Naogaon	1396	0	5461	0	16016	64191	703	0	5	0	0	87772
Natore	944	0	1133	0	16613	55900	295	0	6	12	2	74905
Pabna	4712	0	2721	0	11355	52285	3175	0	4	37	317	74606
Rajshahi	3636	0	4364	0	7027	71370	2101	0	2	0	5	88505
Sirajganj	4839	0	826	0	34384	30317	1163	0	10	46	1408	72993
Rajshahi Division	**18832**	**0**	**20748**	**0**	**92251**	**408961**	**8967**	**0**	**63**	**177**	**1755**	**551754**
Bandarban	164	0	0	0	172	2685	0	0	0	0	0	3021
Brahmanbaria	2298	0	576	0	21800	39578	4051	0	0	216	112	68631
Chandpur	39865	0	317	0	25305	42644	2942	0	124	1349	952	113498
Chattogram	7604	0	69	0	757	72535	3267	0	930	0	0	85162
Cumilla	1167	0	353	0	74063	151662	82297	0	121	84	140	309887
Cox's Bazar	4860	0	0	0	1735	5434	165	0	25076	0	0	37270
Feni	1481	0	0	0	7266	28378	527	0	118	7	14	37791
Khagrachhari	184	0	40	0	0	6667	0	0	0	0	0	6891
Lakshmipur	25595	0	0	0	11029	35335	870	0	178	0	74	73081
Noakhali	15153	0	0	0	28678	54440	1366	0	412	0	0	100049
Rangamati	253	0	0	17056	5	2491	0	0	0	113	104	20022
Chattogram Division	**98624**	**0**	**1355**	**17056**	**170810**	**441849**	**95485**	**0**	**26959**	**1769**	**1396**	**855303**
Habiganj	1111	0	2751	0	30117	20733	1250	0	18	0	0	55980
Moulvibazar	550	0	3112	0	25568	25510	824	0	0	0	0	55564
Sunamganj	1012	0	25093	0	72011	12123	1814	0	0	21	0	112074
Sylhet	960	0	5683	0	43769	23297	1664	0	0	24	0	75397
Sylhet Division	**3633**	**0**	**36639**	**0**	**171465**	**81663**	**5552**	**0**	**19**	**45**	**0**	**299015**
TOTAL	389035	26047	108625	17056	842520	2272667	231582	12158	313984	16402	5254	4235330
%	9.19	0.62	2.56	0.40	19.89	53.66	5.47	0.29	7.41	0.39	0.12	100

Note: Shrimp Farm production included Crab production

Table 3.5. District-wise Annual Fish Catch of All Rivers in 2022-23

[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	681	0	0	0	681	516	**1197**
Faridpur	0	0	1982	0	0	0	1982	651	**2633**
Gazipur	0	0	0	0	0	0	0	526	**526**
Gopalganj	0	0	0	0	0	0	0	761	**761**
Kishoreganj	0	1151	0	0	0	0	1151	1490	**2641**
Madaripur	0	0	1302	0	0	0	1302	322	**1624**
Manikganj	0	0	1990	0	686	0	2676	420	**3096**
Munshiganj	0	1489	1656	0	0	0	3145	477	**3622**
Narayanganj	0	1373	0	0	0	0	1373	454	**1827**
Narsingdi	0	2350	0	0	0	0	2350	566	**2916**
Rajbari	0	0	1203	1211	0	0	2414	685	**3099**
Shariatpur	2301	0	3342	0	0	0	5643	560	**6203**
Tangail	0	0	0	0	1144	0	1144	461	**1605**
Dhaka Division	**2301**	**6363**	**12156**	**1211**	**1830**	**0**	**23861**	**7889**	**31750**
Jamalpur	0	0	0	0	526	2521	3047	280	**3327**
Mymensingh	0	0	0	0	0	0	0	1363	**1363**
Netrakona	0	0	0	0	0	0	0	1547	**1547**
Sherpur	0	0	0	0	0	0	0	1016	**1016**
Mymensingh Division	**0**	**0**	**0**	**0**	**526**	**2521**	**3047**	**4206**	**7253**
Bagerhat	0	0	0	0	0	0	0	5616	**5616**
Chuadanga	0	0	0	0	0	0	0	390	**390**
Jashore	0	0	0	0	0	0	0	1029	**1029**
Jhenaidah	0	0	0	0	0	0	0	390	**390**
Khulna	0	0	0	0	0	0	0	4095	**4095**
Kushtia	0	0	0	246	0	0	246	1134	**1380**
Magura	0	0	0	0	0	0	0	1229	**1229**
Meherpur	0	0	0	0	0	0	0	321	**321**
Narail	0	0	0	0	0	0	0	1010	**1010**
Satkhira	0	0	0	0	0	0	0	1521	**1521**
Khulna Division	**0**	**0**	**0**	**246**	**0**	**0**	**246**	**16735**	**16981**
Barguna	0	0	0	0	0	0	0	7069	**7069**
Barishal	42877	0	0	0	0	0	42877	5610	**48487**
Bhola	101794	0	0	0	0	0	101794	5479	**107273**
Jhalokati	0	0	0	0	0	0	0	2495	**2495**
Patuakhali	0	0	0	0	0	0	0	34491	**34491**
Pirojpur	0	0	0	0	0	0	0	4010	**4010**
Barishal Division	**144671**	**0**	**0**	**0**	**0**	**0**	**144671**	**59154**	**203825**

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	331	**331**
Gaibandha	0	0	0	0	336	1529	1865	555	**2420**
Kurigram	0	0	0	0	0	3851	3851	620	**4471**
Lalmonirhat	0	0	0	0	0	0	0	235	**235**
Nilphamari	0	0	0	0	0	0	0	227	**227**
Panchagarh	0	0	0	0	0	0	0	137	**137**
Rangpur	0	0	0	0	0	0	0	184	**184**
Thakurgaon	0	0	0	0	0	0	0	132	**132**
Rangpur Division	**0**	**0**	**0**	**0**	**336**	**5380**	**5716**	**2421**	**8137**
Bogura	0	0	0	0	204	0	204	811	**1015**
Chapainawabganj	0	0	0	1246	0	0	1246	840	**2086**
Joypurhat	0	0	0	0	0	0	0	204	**204**
Naogaon	0	0	0	0	0	0	0	1396	**1396**
Natore	0	0	0	531	0	0	531	413	**944**
Pabna	0	0	0	2249	1046	0	3295	1417	**4712**
Rajshahi	0	0	0	1851	0	0	1851	1785	**3636**
Sirajganj	0	0	0	0	2926	0	2926	1913	**4839**
Rajshahi Division	**0**	**0**	**0**	**5877**	**4176**	**0**	**10053**	**8779**	**18832**
Bandarban	0	0	0	0	0	0	0	164	**164**
Brahmanbaria	0	1544	0	0	0	0	1544	754	**2298**
Chandpur	38177	0	0	0	0	0	38177	1688	**39865**
Chattogram	0	0	0	0	0	0	0	7604	**7604**
Cumilla	0	495	0	0	0	0	495	672	**1167**
Cox's Bazar	0	0	0	0	0	0	0	4860	**4860**
Feni	0	0	0	0	0	0	0	1481	**1481**
Khagrachhari	0	0	0	0	0	0	0	184	**184**
Lakshmipur	25225	0	0	0	0	0	25225	370	**25595**
Noakhali	15028	0	0	0	0	0	15028	125	**15153**
Rangamati	0	0	0	0	0	0	0	253	**253**
Chattogram Division	**78430**	**2039**	**0**	**0**	**0**	**0**	**80469**	**18155**	**98624**
Habiganj	0	181	0	0	0	0	181	930	**1111**
Moulvibazar	0	0	0	0	0	0	0	550	**550**
Sunamganj	0	0	0	0	0	0	0	1012	**1012**
Sylhet	0	0	0	0	0	0	0	960	**960**
Sylhet Division	**0**	**181**	**0**	**0**	**0**	**0**	**181**	**3452**	**3633**
TOTAL	**225402**	**8583**	**12156**	**7334**	**6868**	**7901**	**268244**	**120791**	**389035**
%	57.94	2.21	3.12	1.88	1.77	2.03	68.95	31.05	**100**

Annual Growth Rate: 13.57%

Table 3.6. Species-wise Annual Fish Catch of All Rivers in 2022-23

[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	670	318	267	258	165	232	**1910**	2194	**4104**	1.05
2	Catla	433	179	165	172	131	189	**1269**	1357	**2626**	0.67
3	Mrigal	383	145	135	73	119	165	**1020**	880	**1900**	0.49
4	Kalibaus	21	60	83	52	66	128	**410**	474	**884**	0.23
5	Bata	3001	78	0	0	10	0	**3089**	440	**3529**	0.91
6	Ghania	0	21	0	0	0	0	**21**	48	**69**	0.02
7	Pangas	1537	81	80	226	0	0	**1924**	199	**2123**	0.54
8	Boal/Ayre	1456	277	356	238	287	485	**3099**	1403	**4502**	1.16
9	Shol/Gazar/Taki	0	0	0	0	0	0	**0**	1160	**1160**	0.30
10	Koi	0	0	0	0	0	0	**0**	194	**194**	0.05
11	Shingi/Magur	0	0	0	0	0	0	**0**	128	**128**	0.03
12	Sarpunti	59	31	173	0	0	0	**263**	125	**388**	0.10
13	Cuchia	0	0	0	0	0	0	**0**	2628	**2628**	0.67
14	Other Inland Fish	12476	5810	4564	5489	5008	5373	**38720**	37266	**75986**	19.53
15	Hilsa/Ilish	202396	1052	5910	567	581	316	**210822**	60063	**270885**	69.63
16	Galda	1367	184	125	28	39	85	**1828**	395	**2223**	0.57
17	Bagda	0	0	0	0	0	0	**0**	71	**71**	0.02
18	Harina	0	0	0	0	0	0	**0**	3332	**3332**	0.86
19	Chaka	0	0	0	0	0	0	**0**	21	**21**	0.01
20	Other small shrimp/prawn	1603	347	298	231	462	928	**3869**	8413	**12282**	3.16
TOTAL		**225402**	**8583**	**12156**	**7334**	**6868**	**7901**	**268244**	**120791**	**389035**	**100**

- Total Production (Principal River): 268244 MT Hilsa Production (Principal River): 210822 MT
- Total Production (Other River): 120791 MT Hilsa Production (Other River): 60063 MT
- Annual Growth Rate: 13.57% (Hilsa: 11% and other species: 19.94%)

Table 3.7. Species-wise Annual Fish Catch of Principal River Meghna in 2022-23

[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	64	288	63	35	86	134	**670**	30	0	43	18	111	116	0	**318**	**988**
2	Catla	61	154	45	26	50	97	**433**	27	0	21	12	70	49	0	**179**	**612**
3	Mrigal	41	146	22	37	50	87	**383**	18	0	17	4	49	57	0	**145**	**528**
4	Kalibaus	0	0	0	0	21	0	**21**	10	0	10	0	19	21	0	**60**	**81**
5	Bata	549	417	263	1463	0	309	**3001**	0	0	13	0	25	40	0	**78**	3079
6	Ghania	0	0	0	0	0	0	**0**	0	0	4	0	17	0	0	**21**	**21**
7	Pangas	0	1001	175	0	27	334	**1537**	14	0	11	7	22	27	0	**81**	**1618**
8	Boal/Ayre	0	983	78	0	55	340	**1456**	120	0	41	9	79	28	0	**277**	**1733**
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	59	0	**59**	31	0	0	0	0	0	0	**31**	**90**
13	Cuchia	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
14	Other Inland Fish	698	1737	5976	1140	307	2618	**12476**	797	1248	195	2064	839	523	144	**5810**	**18286**
15	Hilsa/Ilish	13303	95487	35688	22288	1575	34055	**202396**	396	107	0	210	229	110	0	**1052**	**203448**
16	Galda	154	685	260	150	38	80	**1367**	17	0	53	8	28	76	2	**184**	**1551**
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	158	896	307	86	33	123	**1603**	29	18	87	18	56	104	35	**347**	**1950**
TOTAL		**15028**	**101794**	**42877**	**25225**	**2301**	**38177**	**225402**	**1489**	**1373**	**495**	**2350**	**1544**	**1151**	**181**	**8583**	**233985**

Table 3.8. Species-wise Annual Fish Catch of Principal River Padma in 2022-23

[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	48	41	29	34	18	53	44	**267**	38	19	73	26	52	50	**258**	**525**
2	Catla	28	20	24	33	10	27	23	**165**	22	8	44	15	43	40	**172**	**337**
3	Mrigal	28	17	16	29	7	27	11	**135**	11	4	12	6	20	20	**73**	**208**
4	Kalibaus	11	31	10	11	6	9	5	**83**	7	3	19	6	9	8	**52**	**135**
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	14	14	13	12	0	14	13	**80**	1	8	44	29	94	50	**226**	**306**
8	Boal/Ayre	29	59	83	36	62	72	15	**356**	15	14	55	23	65	66	**238**	**594**
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	34	41	30	38	0	19	11	**173**	0	0	0	0	0	0	**0**	**173**
13	Cuchia	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
14	Other Inland Fish	203	864	650	306	679	1342	520	**4564**	760	163	1863	396	1381	926	**5489**	**10053**
15	Hilsa/Ilish	2925	191	706	95	1122	358	513	**5910**	305	9	86	15	131	21	**567**	**6477**
16	Galda	5	9	63	11	0	19	18	**125**	6	3	5	0	0	14	**28**	**153**
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	17	15	32	76	86	42	30	**298**	46	15	48	15	56	51	**231**	**529**
TOTAL		**3342**	**1302**	**1656**	**681**	**1990**	**1982**	**1203**	**12156**	**1211**	**246**	**2249**	**531**	**1851**	**1246**	**7334**	**19490**

Table 3.9. Species-wise Annual Fish Catch of Principal River Jamuna and Brahmaputra in 2022-23

[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	15	14	42	45	20	22	7	**165**	122	45	65	**232**	**397**	**1910**
2	Catla	9	9	27	52	9	18	7	**131**	94	42	53	**189**	**320**	**1269**
3	Mrigal	6	6	27	52	8	16	4	**119**	89	33	43	**165**	**284**	**1020**
4	Kalibaus	5	0	17	30	0	9	5	**66**	61	37	30	**128**	**194**	**410**
5	Bata	0	6	0	4	0	0	0	**10**	0	0	0	**0**	**10**	**3089**
6	Ghania	0	0	0	0	0	0	0	**0**	0	0	0	**0**	**0**	**21**
7	Pangas	0	0	0	0	0	0	0	**0**	0	0	0	**0**	**0**	**1924**
8	Boal/Ayre	58	47	91	12	20	33	26	**287**	180	166	139	**485**	**772**	**3099**
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**	**0**
13	Cuchia	0	0	0	0	0	0	0	**0**	0	0	0	**0**	**0**	**263**
14	Other Inland Fish	515	860	685	2362	86	269	231	**5008**	1516	873	2984	**5373**	**10381**	**38720**
15	Hilsa/Ilish	0	42	154	300	5	73	7	**581**	6	7	303	**316**	**897**	**210822**
16	Galda	0	5	11	0	9	9	5	**39**	49	36	0	**85**	**124**	**1828**
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	78	57	90	69	47	77	44	**462**	404	290	234	**928**	**1390**	**3869**
TOTAL		**686**	**1046**	**1144**	**2926**	**204**	**526**	**336**	**6868**	**2521**	**1529**	**3851**	**7901**	**14769**	**268244**

Table 3.10. Species-wise Annual Fish Catch of Other Rivers in 2022-23

[Unit: Metric Ton]

Sl. No.	Species	Dhaka	Faridpur	Gazipur	Gopalganj	Kishoreganj	Madaripur	Manikganj	Munshiganj	Narayanganj	Narsingdi	Rajbari	Shariatpur	Tangail	Jamalpur	Mymensingh	Netrakona	Sherpur	Sub-total
1	Rui	54	29	14	47	59	14	20	11	0	12	25	23	18	12	38	33	87	496
2	Catla	41	22	17	29	38	11	18	11	0	9	10	19	11	5	16	13	84	354
3	Mrigal	31	11	11	27	25	0	7	7	0	3	8	13	9	2	12	12	49	227
4	Kalibaus	37	30	14	33	11	0	3	5	0	0	10	10	6	0	96	25	32	312
5	Bata	0	4	13	0	0	0	3	14	0	0	0	0	0	0	0	0	0	34
6	Ghania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pangas	0	6	0	7	0	0	0	12	0	0	12	0	9	0	0	0	0	46
8	Boal/Ayre/Guizza Ayre	38	27	10	20	54	13	10	96	0	0	33	20	14	10	99	25	85	554
9	Shol/Gazar/Taki	39	0	21	46	39	0	16	0	0	0	17	30	0	22	26	34	64	354
10	Koi	7	0	0	100	0	0	5	0	0	0	0	0	0	0	0	0	18	130
11	Shingi/Magur	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	17	33
12	Sarpunti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Cuchia	6	12	13	56	23	27	10	18	7	16	9	22	19	6	14	25	5	288
14	Other Inland Fish	117	443	273	239	1028	220	263	248	421	407	331	377	327	221	1011	1354	240	7520
15	Hilsa/Ilish	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
16	Galda	10	10	0	10	0	0	7	16	0	15	13	9	13	0	7	0	34	144
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	136	57	140	138	213	37	42	39	26	104	217	37	35	2	44	26	301	1594
	TOTAL	**516**	**651**	**526**	**761**	**1490**	**322**	**420**	**477**	**454**	**566**	**685**	**560**	**461**	**280**	**1363**	**1547**	**1016**	**12095**

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	22	29	10	0	52	90	5	51	0	0	0	0	0	0	0	259
2	Catla	0	18	14	10	0	35	77	3	14	0	0	0	0	0	0	0	171
3	Mrigal	0	0	8	0	0	0	15	1	45	0	0	0	0	0	0	0	69
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	62	0	0	0	0	0	0	0	62
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	24	0	12	12	11	0	0	0	0	0	0	63
9	Shol/Gazar/Taki	12	29	81	28	38	21	0	32	37	84	0	0	0	0	0	0	362
10	Koi	0	0	0	6	0	8	0	0	0	0	7	0	0	0	0	0	21
11	Shingi/Magur	0	0	27	0	0	8	0	0	0	13	0	0	0	0	0	0	48
12	Sarpunti	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	54
13	Cuchia	30	3	4	3	24	13	3	1	1	46	114	243	292	22	318	69	1186
14	Other Inland Fish	1511	170	682	163	1067	517	826	105	330	223	881	2755	930	1233	3230	2242	16865
15	Hilsa/Ilish	1014	0	0	0	1233	0	0	0	7	0	6004	2525	4230	1120	30845	1670	48648
16	Galda	0	0	0	0	23	9	0	0	0	0	0	12	5	12	0	0	61
17	Bagda	0	0	0	0	23	0	0	0	0	0	0	6	0	0	42	0	71
18	Harina	1942	0	0	0	737	0	0	0	0	591	0	19	8	32	0	3	3332
19	Chaka	9	0	0	0	7	0	0	0	0	5	0	0	0	0	0	0	21
20	Other small shrimp/prawn	1098	148	180	170	943	447	218	162	397	548	63	50	14	76	56	26	4596
	TOTAL	**5616**	**390**	**1029**	**390**	**4095**	**1134**	**1229**	**321**	**1010**	**1521**	**7069**	**5610**	**5479**	**2495**	**34491**	**4010**	**75889**

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	58	15	13	8	0	15	0	56	89	46	125	106	128	144	102	905
2	Catla	0	48	7	11	7	0	12	0	56	64	33	74	76	74	90	71	623
3	Mrigal	0	21	16	6	4	0	7	0	44	63	12	51	29	75	71	31	430
4	Kalibaus	0	20	0	2	0	0	7	0	0	0	0	3	12	11	0	10	65
5	Bata	0	18	0	23	0	0	0	0	0	0	0	8	18	0	50	17	134
6	Ghania	0	0	0	0	0	0	0	0	0	0	0	14	4	16	0	4	38
7	Pangas	0	28	0	0	0	0	0	0	3	18	0	7	7	12	24	15	114
8	Boal/Ayre/Guizza Ayre	0	61	58	17	0	0	9	0	9	26	10	0	0	25	30	18	263
9	Shol/Gazar/Taki	0	12	0	11	0	0	0	0	0	0	5	3	6	50	30	36	153
10	Koi	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	4	16
11	Shingi/Magur	0	0	0	0	0	0	0	0	0	0	0	3	2	0	4	2	11
12	Sarpunti	0	0	0	0	0	0	0	0	0	0	0	0	3	0	29	30	62
13	Cuchia	3	22	16	0	1	0	7	2	60	5	7	14	20	54	7	63	281
14	Other Inland Fish	319	219	478	81	106	96	87	90	503	506	61	1020	67	897	1176	1364	7070
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	13	8	32
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	48	30	68	99	41	40	40	80	69	30	70	53	75	113	138	1003
TOTAL		**331**	**555**	**620**	**235**	**227**	**137**	**184**	**132**	**811**	**840**	**204**	**1396**	**413**	**1417**	**1785**	**1913**	**11200**

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	8	65	98	25	78	0	66	0	6	4	7	42	16	52	67	534	**2194**
2	Catla	7	31	11	16	26	0	54	0	5	1	3	17	11	15	12	209	**1357**
3	Mrigal	6	12	4	7	6	0	58	0	2	0	3	19	9	17	11	154	**880**
4	Kalibaus	0	4	7	9	6	0	0	0	0	0	3	0	0	0	68	97	**474**
5	Bata	0	4	0	0	0	0	93	0	15	4	4	0	25	65	0	210	**440**
6	Ghania	0	3	4	0	0	0	3	0	0	0	0	0	0	0	0	10	**48**
7	Pangas	0	11	0	0	0	0	0	0	5	4	0	0	8	7	4	39	**199**
8	Boal/Ayre/Guizza Ayre	0	115	73	0	69	0	98	0	6	1	16	0	9	66	70	523	**1403**
9	Shol/Gazar/Taki	0	16	81	0	20	0	90	0	6	1	20	0	9	25	23	291	**1160**
10	Koi	0	2	0	0	4	0	0	0	5	1	0	0	5	4	6	27	**194**
11	Shingi/Magur	7	4	0	0	4	0	0	0	6	1	0	0	6	2	6	36	**128**
12	Sarpunti	0	5	0	0	4	0	0	0	0	0	0	0	0	0	0	9	**125**
13	Cuchia	8	13	25	502	61	126	29	3	17	22	9	20	6	17	15	873	**2628**
14	Other Inland Fish	74	440	510	153	282	1154	514	168	78	12	183	736	381	592	534	5811	**37266**
15	Hilsa/Ilish	0	0	830	6812	0	3438	70	0	173	64	0	3	0	9	7	11406	**60063**
16	Galda	0	4	9	53	29	47	0	0	6	1	0	0	6	3	0	158	**395**
17	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**71**
18	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3332**
19	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**21**
20	Other small shrimp/prawn	54	25	36	27	83	95	406	13	40	9	5	93	59	138	137	1220	**8413**
TOTAL		**164**	**754**	**1688**	**7604**	**672**	**4860**	**1481**	**184**	**370**	**125**	**253**	**930**	**550**	**1012**	**960**	**21607**	**120791**

Table 3.11. Annual Fish Production of Sundarbans Fisheries in 2022-23

[Unit: Metric Ton]

Zone	District	Hilsa	Big Shrimp/ Prawn	Small Shrimp/ Prawn	Other Fish	Total
East Sundarbans	Bagerhat	30	3	171	21940	**22144**
West Sundarbans	Khulna	415	245	265	719	**1644**
West Sundarbans	Satkhira	0	30	85	2144	**2259**
TOTAL	-	**445**	**278**	**521**	**24803**	**26047**
%	-	*1.71*	*1.07*	*2.00*	*95.22*	*100*

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

Annual Growth Rate: 7.37% (Hilsa: -35.23%, Shrimp: -14.73% and other species: 9.58%)

Table 3.12. Annual Fish Production of Beels in 2022-23

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

Sl. No.	District	Natural Source		Beel Nursery Program		Total	
		Area	Production	Area	Production	Area	Production
1	Dhaka	903	754	93	117	**996**	**871**
2	Faridpur	202	262	224	380	**426**	**642**
3	Gazipur	1527	1548	193	310	**1720**	**1858**
4	Gopalganj	629	558	272	372	**901**	**930**
5	Kishoreganj	5087	5094	1750	2310	**6837**	**7404**
6	Madaripur	108	128	155	198	**263**	**326**
7	Manikganj	487	389	285	355	**772**	**744**
8	Munshiganj	327	277	22	26	**349**	**303**
9	Narayanganj	206	161	10	18	**216**	**179**
10	Narsingdi	955	1062	209	290	**1164**	**1352**
11	Rajbari	151	186	98	141	**249**	**327**
12	Shariatpur	68	62	8	9	**76**	**71**
13	Tangail	1990	2025	343	473	**2333**	**2498**
Dhaka Division		**12640**	**12506**	**3662**	**4999**	**16302**	**17505**
14	Jamalpur	2678	2321	682	962	**3360**	**3283**
15	Mymensingh	6908	6242	438	415	**7346**	**6657**
16	Netrakona	8327	7001	28	55	**8355**	**7056**
17	Sherpur	3420	2526	88	126	**3508**	**2652**
Mymensingh Division		**21333**	**18090**	**1236**	**1558**	**22569**	**19648**
18	Bagerhat	40	26	8	9	**48**	**35**
19	Chuadanga	1127	1089	34	51	**1161**	**1140**
20	Jashore	2503	1528	207	310	**2710**	**1838**
21	Jhenaidah	953	917	178	189	**1131**	**1106**
22	Khulna	247	232	24	24	**271**	**256**
23	Kushtia	396	310	191	311	**587**	**621**
24	Magura	285	123	47	40	**332**	**163**
25	Meherpur	389	310	60	133	**449**	**443**
26	Narail	539	342	325	238	**864**	**580**
27	Satkhira	37	29	9	10	**46**	**39**
Khulna Division		**6516**	**4906**	**1083**	**1315**	**7599**	**6221**
28	Barguna	0	0	0	0	**0**	**0**
29	Barishal	31	28	10	11	**41**	**39**
30	Bhola	0	0	0	0	**0**	**0**
31	Jhalokati	12	15	2	3	**14**	**18**
32	Patuakhali	0	0	0	0	**0**	**0**
33	Pirojpur	16	9	4	5	**20**	**14**
Barishal Division		**59**	**52**	**16**	**19**	**75**	**71**

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	770	577	12	35	**782**	**612**
35	Gaibandha	704	491	115	95	**819**	**586**
36	Kurigram	971	1139	380	680	**1351**	**1819**
37	Lalmonirhat	291	234	312	396	**603**	**630**
38	Nilphamari	551	287	257	240	**808**	**527**
39	Panchagarh	92	66	18	12	**110**	**78**
40	Rangpur	1777	1783	133	170	**1910**	**1953**
41	Thakurgaon	312	195	49	38	**361**	**233**
Rangpur Division		**5468**	**4772**	**1276**	**1666**	**6744**	**6438**
42	Bogura	3223	2371	294	362	**3517**	**2733**
43	Chapainawabganj	4552	2907	252	299	**4804**	**3206**
44	Joypurhat	241	240	43	64	**284**	**304**
45	Naogaon	5725	3641	1930	1820	**7655**	**5461**
46	Natore	1057	793	336	340	**1393**	**1133**
47	Pabna	1317	1306	1036	1415	**2353**	**2721**
48	Rajshahi	4760	3404	1237	960	**5997**	**4364**
49	Sirajganj	597	478	305	348	**902**	**826**
Rajshahi Division		**21472**	**15140**	**5433**	**5608**	**26905**	**20748**
50	Bandarban	0	0	0	0	**0**	**0**
51	Brahmanbaria	325	356	143	220	**468**	**576**
52	Chandpur	130	91	231	226	**361**	**317**
53	Chattogram	89	69	0	0	**89**	**69**
54	Cumilla	177	227	97	126	**274**	**353**
55	Cox's Bazar	0	0	0	0	**0**	**0**
56	Feni	0	0	0	0	**0**	**0**
57	Khagrachhari	74	40	1	0	**75**	**40**
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		**795**	**783**	**472**	**572**	**1267**	**1355**
61	Habiganj	2496	2197	482	554	**2978**	**2751**
62	Moulvibazar	2442	1902	1050	1210	**3492**	**3112**
63	Sunamganj	20885	24923	83	170	**20968**	**25093**
64	Sylhet	4519	4557	743	1126	**5262**	**5683**
Sylhet Division		**30342**	**33579**	**2358**	**3060**	**32700**	**36639**
TOTAL		**98625**	**89828**	**15536**	**18797**	**114161**	**108625**

Source	Area (Ha)	Production (MT)	%	MT/Ha	*Growth Rate (%)*
Natural Source	98625	89828	*82.70*	0.91	*2.47*
Beel Nursery Program	15536	18797	*17.30*	1.21	*4.95*
TOTAL	**114161**	**108625**	*100*	**0.95**	*2.89*

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 2022-23

Sl. No.	Species	Production (Metric Ton)	%
1	Rui	14109	12.99
2	Catla	9090	8.37
3	Mrigal	9893	9.11
4	Kalibaus	1952	1.80
5	Bata	1766	1.62
6	Ghania	1162	1.07
7	Silver carp	4844	4.46
8	Grass carp	2136	1.97
9	Mirror/Common carp	2698	2.48
10	Other Exotic carp	648	0.60
11	Pangas	190	0.17
12	Boal/Ayre	4890	4.50
13	Shol/Gazar/Taki	3783	3.48
14	Koi	2809	2.59
15	Shingi/Magur	2074	1.91
16	Tilapia/ Nilotica	1490	1.37
17	Sarpunti/Thai punti	4454	4.10
18	Big Shrimp/ Prawn	64	0.06
19	Small Shrimp/ Prawn	4404	4.05
20	Cuchia	1967	1.81
21	Other Inland Fish	34202	31.49
TOTAL		**108625**	**100**

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

Table 3.14. Annual Fish Production of Kaptai Lake in 2022-23

Sl. No.	Species	Production (Metric Ton)	%
1	Rui *(Labeo rohita)*	9	0.05
2	Catla *(Catla catla)*	13	0.08
3	Mrigal *(Cirrhinus cirrhosus)*	3	0.02
4	Kalibaus *(Labeo calbasu)*	8	0.05
5	Bata *(Labeo bata)*	18	0.10
6	Ghania *(Labeo gonius)*	0	0
7	Silver Carp *(Hypophthalmichthys molitrix)*	0	0
8	Grass Carp *(Ctenopharyngodon idella)*	0	0
9	Common Carp *(Cyprinus carpio)*	0	0
10	Other Exotic Carp	0	0
11	Pangas *(Pangasius pangasius)*	0	0
12	Boal/ Ayre/ Guizza Ayre *(Wallago attu/ Sperata aor/ Sperata seenghala)*	148	0.87
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	20	0.12
14	Koi *(Anabas testudineus)*	0	0
15	Shingi/Magur *(Heteropneustes fossilis/ Clarias batrachus)*	6	0.03
16	Big Prawn	0	0
17	Small Prawn	105	0.62
18	Tilapia/Nilotica *(Oreochromis mossambicus/O. niloticus)*	6	0.03
19	Sarpunti *(Puntius sarana)*	0	0
20	Other Fish	16720	98.03
TOTAL		**17056**	***100***

Source:

- Catch data of Kaptai Lake are supplied by Bangladesh Fisheries Development Corporation (BFDC)
- Other Inland Fish: Chapila, Tengra, Punti, Chital, Phali, Pabda, Gulsha, Bacha, Kazoli, Baim, Kachki, Mola etc.
- Annual Growth Rate: -4.91%

Table 3.15. Annual Fish Catch of Floodplains in 2022-23

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	44.74	4742	5829	0.35	1550	0	0	6292
Faridpur	174	53.40	9291	1938	1.53	956	0	0	10247
Gazipur	273	62.32	17012	444	0.79	138	0	0	17150
Gopalganj	137	47.77	6545	5068	1.67	2305	0	0	8850
Kishoreganj	230	94.19	21663	3069	1.35	1462	63956	24871	47996
Madaripur	136	62.23	8463	829	5.68	245	0	0	8708
Manikganj	211	51.44	10854	959	7.55	900	0	0	11754
Munshiganj	230	50.28	11565	1760	5.79	426	0	0	11991
Narayanganj	67	22.19	1487	648	0.33	431	0	0	1918
Narsingdi	212	56.75	12032	3196	0.60	1202	0	0	13234
Rajbari	159	39.99	6359	1570	11.18	252	0	0	6611
Shariatpur	131	42.58	5578	1085	2.26	458	0	0	6036
Tangail	240	44.25	10621	2127	2.51	1564	0	0	12185
Dhaka Division	**2306**	**54.73**	**126212**	**28522**	**41.59**	**11889**	**63956**	**24871**	**162972**
Jamalpur	205	48.86	10016	746	1.73	211	0	0	10227
Mymensingh	246	44.92	11051	1167	4.23	1075	0	0	12126
Netrakona	115	112.72	12963	1040	3.15	721	40240	24951	38635
Sherpur	183	13.91	2546	263	2.75	109	0	0	2655
Mymensingh Division	**749**	**48.83**	**36576**	**3216**	**11.86**	**2116**	**40240**	**24951**	**63643**
Bagerhat	213	22.22	4732	2828	2.58	935	0	0	5667
Chuadanga	62	21.81	1352	245	1.51	88	0	0	1440
Jashore	265	136.17	36086	706	0.17	341	0	0	36427
Jhenaidah	192	32.37	6215	740	0.28	479	0	0	6694
Khulna	301	67.34	20269	2271	2.66	1110	0	0	21379
Kushtia	182	19.57	3562	844	2.00	420	0	0	3982
Magura	98	30.36	2975	320	1.12	59	0	0	3034
Meherpur	67	11.06	741	609	0.25	337	0	0	1078
Narail	35	84.49	2957	880	5.40	645	0	0	3602
Satkhira	120	116.08	13929	472	1.45	244	0	0	14173
Khulna Division	**1535**	**60.47**	**92818**	**9915**	**17.42**	**4658**	**0**	**0**	**97476**
Barguna	80	46.36	3709	18	0.17	0	0	0	3709
Barishal	216	43.00	9289	1277	2.91	188	0	0	9477
Bhola	160	33.67	5387	0	0	0	0	0	5387
Jhalokati	122	36.67	4474	622	1.60	345	0	0	4819
Patuakhali	184	57.04	10495	244	1.92	159	0	0	10654
Pirojpur	111	35.81	3975	734	1.83	223	0	0	4198
Barishal Division	**873**	**42.76**	**37329**	**2895**	**8.43**	**915**	**0**	**0**	**38244**

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	14.81	6235	164	2.16	83	0	0	6318
Gaibandha	304	20.02	6087	357	3.74	189	0	0	6276
Kurigram	241	45.98	11082	719	1.30	433	0	0	11515
Lalmonirhat	119	12.42	1478	720	0.15	265	0	0	1743
Nilphamari	121	30.37	3675	269	0.71	96	0	0	3771
Panchagarh	132	22.20	2930	276	0.39	150	0	0	3080
Rangpur	210	40.03	8406	540	3.48	515	0	0	8921
Thakurgaon	114	34.96	3986	113	0.42	49	0	0	4035
Rangpur Division	**1662**	**26.40**	**43879**	**3158**	**12.35**	**1780**	**0**	**0**	**45659**
Bogura	100	47.48	4748	1539	4.45	262	0	0	5010
Chapainawabganj	47	32.60	1532	63	0.25	37	0	0	1569
Joypurhat	22	12.32	271	11	0.30	6	0	0	277
Naogaon	333	42.52	14158	3270	1.29	1858	0	0	16016
Natore	248	53.02	13149	4962	1.22	3464	0	0	16613
Pabna	243	38.40	9330	3572	8.45	2025	0	0	11355
Rajshahi	215	30.00	6449	1154	1.87	578	0	0	7027
Sirajganj	427	78.59	33559	1378	11.00	825	0	0	34384
Rajshahi Division	**1635**	**50.88**	**83196**	**15949**	**28.83**	**9055**	**0**	**0**	**92251**
Bandarban	18	8.61	155	96	0.58	17	0	0	172
Brahmanbaria	273	61.42	16767	1804	3.23	1061	8050	3972	21800
Chandpur	351	70.37	24700	1524	1.95	605	0	0	25305
Chattogram	52	14.56	757	0	0	0	0	0	757
Cumilla	621	118.34	73489	1151	3.79	574	0	0	74063
Cox's Bazar	91	12.79	1164	756	5.17	571	0	0	1735
Feni	253	27.95	7071	357	2.52	195	0	0	7266
Khagrachhari	0	0	0	0	0	0	0	0	0
Lakshmipur	146	72.68	10611	496	3.58	418	0	0	11029
Noakhali	352	80.72	28414	722	4.94	264	0	0	28678
Rangamati	0	0	0	43	0.09	5	0	0	5
Chattogram Division	**2157**	**75.63**	**163128**	**6949**	**25.85**	**3710**	**8050**	**3972**	**170810**
Habiganj	180	110.89	19960	1130	1.28	636	25470	9521	30117
Moulvibazar	154	79.93	12309	1095	4.87	1118	24217	12141	25568
Sunamganj	242	138.50	33516	4314	10.25	3615	60154	34880	72011
Sylhet	168	166.23	27927	722	3.96	632	29630	15210	43769
Sylhet Division	**744**	**125.96**	**93712**	**7261**	**20.36**	**6001**	**139471**	**71752**	**171465**
TOTAL	**11661**	**58.04**	**676850**	**77865**	**166.69**	**40124**	**251717**	**125546**	**842520**

Source	Area (Ha)	Production (MT)	%	MT/Ha	*Growth Rate (%)*
Subsistence Fisheries	2317175	676850	80.34	*0.29*	*0.49*
Fry Released Program	77865	40124	4.76	*0.52*	*2.55*
Haor	251717	125546	14.90	*0.50*	*5.82*
Total	**2646757**	**842520**	**100**	***0.32***	***1.35***

Table 3.16. Species Composition of Annual Fish Catch of Floodplains in 2022-23

Sl. No.	Species	Production (Metric Ton)	%
1	Rui	48054	5.71
2	Catla	20878	2.48
3	Mrigal	25981	3.08
4	Kalibaus	3546	0.42
5	Bata	1548	0.18
6	Ghania	1770	0.21
7	Silver carp	2880	0.34
8	Grass carp	7429	0.88
9	Mirror/Common carp	22425	2.66
10	Other Exotic carp	0	0
11	Pangas	8947	1.06
12	Boal/Ayre	65343	7.76
13	Shol/Gazar/Taki	72894	8.65
14	Koi	10357	1.23
15	Shingi/Magur	60440	7.17
16	Tilapia/Nilotica	0	0
17	Sarpunti/Thai punti	21195	2.52
18	Big Shrimp/Prawn	1670	0.20
19	Small Shrimp/Prawn	46512	5.52
20	Cuchia	2703	0.32
21	Other Inland Fish	417948	49.61
TOTAL		**842520**	**100**

Table 3.17. Annual Fish Production of Ponds in 2022-23

[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	7	10	1428	5639	292	2807	18	260	1745	8716	4.99
2	Faridpur	55	78	2167	7900	1733	12896	128	1847	4083	22721	5.56
3	Gazipur	70	90	2197	8273	1558	14823	411	6274	4236	29460	6.95
4	Gopalganj	623	745	1881	7195	1419	11151	17	172	3940	19263	4.89
5	Kishoreganj	261	368	2874	11415	1818	14825	174	2320	5127	28928	5.64
6	Madaripur	178	250	2023	6420	591	5712	158	1940	2950	14322	4.85
7	Manikganj	281	415	1714	6630	708	7019	22	328	2725	14392	5.28
8	Munshiganj	150	217	1759	7018	348	3435	5	61	2262	10731	4.74
9	Narayanganj	0	0	1369	4512	762	6829	0	0	2131	11341	5.32
10	Narsingdi	68	100	1206	4683	958	8749	765	12212	2997	25744	8.59
11	Rajbari	128	190	2684	10462	953	6492	3	36	3768	17180	4.56
12	Shariatpur	45	64	1835	6914	876	8332	13	135	2769	15445	5.58
13	Tangail	6	8	2909	9401	4723	31324	261	2774	7899	43507	5.51
Dhaka Division		**1872**	**2535**	**26046**	**96462**	**16739**	**134394**	**1975**	**28359**	**46632**	**261750**	**5.61**
14	Jamalpur	41	44	2007	7814	1607	11645	121	1491	3776	20994	5.56
15	Mymensingh	640	895	7232	24098	12879	97172	8822	195004	29573	317169	10.72
16	Netrakona	427	627	5301	21083	2470	22017	46	731	8244	44458	5.39
17	Sherpur	30	40	2380	8031	1526	9596	637	7227	4573	24894	5.44
Mymensignh Division		**1138**	**1606**	**16920**	**61026**	**18482**	**140430**	**9626**	**204453**	**46166**	**407515**	**8.83**
18	Bagerhat	1625	2411	3660	14613	173	1651	0	0	5458	18675	3.42
19	Chuadanga	10	13	1011	3179	1219	9024	0	0	2240	12216	5.45
20	Jashore	80	119	9552	37971	6033	59335	2310	41342	17975	138767	7.72
21	Jhenaidah	25	36	2458	8382	2765	20025	34	421	5282	28864	5.46
22	Khulna	124	177	3231	9458	1554	9980	0	0	4909	19615	4.00
23	Kushtia	5	7	2647	10557	2013	14783	17	176	4682	25523	5.45
24	Magura	18	26	1973	7623	415	4099	21	250	2427	11998	4.94
25	Meherpur	0	0	1238	4817	327	2631	18	250	1583	7698	4.86
26	Narail	55	79	631	2469	419	2800	0	0	1105	5348	4.84
27	Satkhira	6471	8523	4406	12405	1886	18131	462	6212	13225	45271	3.42
Khulna Division		**8413**	**11391**	**30807**	**111474**	**16804**	**142459**	**2862**	**48651**	**58886**	**313975**	**5.33**
28	Barguna	455	628	2035	7827	28	258	0	0	2518	8713	3.46
29	Barishal	839	1131	6189	24058	2706	15550	88	927	9822	41666	4.24
30	Bhola	300	441	2045	6973	5626	31772	36	488	8007	39674	4.95
31	Jhalokati	6	8	979	3764	266	1601	7	78	1258	5451	4.33
32	Patuakhali	1245	1842	6949	25302	188	1205	13	138	8395	28487	3.39
33	Pirojpur	747	1070	1972	6797	314	2602	0	0	3033	10469	3.45
Barishal Division		**3592**	**5120**	**20169**	**74721**	**9128**	**52988**	**144**	**1631**	**33033**	**134460**	**4.07**

Cont'd....

[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
34	Dinajpur	0	0	5405	21106	4381	29542	402	5074	10188	55722	5.47
35	Gaibandha	3	4	5157	20594	725	7158	27	335	5912	28091	4.75
36	Kurigram	72	100	3308	12967	1029	8156	131	1650	4540	22873	5.04
37	Lalmonirhat	0	0	2640	10425	677	5144	37	394	3354	15961	4.76
38	Nilphamari	0	0	1665	6433	2563	14809	92	974	4320	22216	5.14
39	Panchagarh	0	0	1975	5325	1048	8650	112	1292	3135	15267	4.87
40	Rangpur	0	0	4659	18506	1855	15625	6	73	6520	34204	5.25
41	Thakurgaon	0	0	3753	14931	1534	10462	219	2767	5506	28160	5.11
Rangpur Division		**75**	**104**	**28562**	**110285**	**13812**	**99546**	**1026**	**12559**	**43475**	**222494**	**5.12**
42	Bogura	390	527	9563	38131	3717	37149	854	19144	14524	94951	6.54
43	Chapainawabganj	0	0	2500	9028	756	5884	6	71	3262	14983	4.59
44	Joypurhat	0	0	2151	8096	2579	16868	0	0	4730	24964	5.28
45	Naogaon	0	0	9570	36011	3221	26664	125	1516	12916	64191	4.97
46	Natore	0	0	3685	14640	4607	37171	287	4089	8579	55900	6.52
47	Pabna	5	7	8197	32650	2549	19400	19	228	10770	52285	4.85
48	Rajshahi	0	0	4566	17601	8070	49484	397	4285	13033	71370	5.48
49	Sirajganj	10	13	2958	11731	2644	18182	30	391	5642	30317	5.37
Rajshahi Division		**405**	**547**	**43190**	**167888**	**28143**	**210802**	**1718**	**29724**	**73456**	**408961**	**5.57**
50	Bandarban	133	198	677	2023	91	464	0	0	901	2685	2.98
51	Brahmanbaria	72	107	4355	17250	2555	21087	68	1134	7050	39578	5.61
52	Chandpur	177	263	6439	24501	2902	17740	13	140	9531	42644	4.47
53	Chattogram	6390	9454	12973	49527	1797	12177	83	1377	21243	72535	3.41
54	Cumilla	1477	2185	12485	49860	7662	76464	1132	23153	22756	151662	6.66
55	Cox's Bazar	72	105	1263	4846	65	483	0	0	1400	5434	3.88
56	Feni	311	458	4104	16321	1088	10854	57	745	5560	28378	5.10
57	Khagrachhari	159	237	1984	5808	94	622	0	0	2237	6667	2.98
58	Lakshmipur	240	342	6052	23507	1869	11486	0	0	8161	35335	4.33
59	Noakhali	905	1330	11723	46927	604	6031	10	152	13242	54440	4.11
60	Rangamati	231	338	619	2081	13	72	0	0	863	2491	2.89
Chattogram Division		**10167**	**15017**	**62674**	**242651**	**18740**	**157480**	**1363**	**26701**	**92944**	**441849**	**4.75**
61	Habiganj	902	1342	2489	8878	1300	9303	109	1210	4800	20733	4.32
62	Moulvibazar	3100	4626	2805	11157	1284	9682	3	45	7192	25510	3.55
63	Sunamganj	479	690	2467	9696	220	1673	4	64	3170	12123	3.82
64	Sylhet	981	1430	3462	11113	1654	10535	21	219	6118	23297	3.81
Sylhet Division		**5462**	**8088**	**11223**	**40844**	**4458**	**31193**	**137**	**1538**	**21280**	**81663**	**3.84**
TOTAL		**31124**	**44408**	**239591**	**905351**	**126306**	**969292**	**18851**	**353616**	**415872**	**2272667**	**5.46**

Culture Method	Production Range	Number of Pond	Area		Production		MT/Ha	Growth Rate (%)
			(Ha)	%	(MT)	%		
Extensive	*<1.5MT/Ha*	474543	31124	**7.49**	44408	1.95	1.43	2.20
Semi-intensive	*1.5-4 MT/Ha*	1408016	239591	**57.61**	905351	39.84	3.78	1.51
Intensive	*>4 - 10MT/Ha*	559957	126306	**30.37**	969292	42.65	7.67	10.20
Highly Intensive	*>10 MT/Ha*	77356	18851	**4.53**	353616	15.56	18.76	0.52
TOTAL		**2519872**	**415872**	***100***	**2272667**	***100***	5.46	*4.89*

Note: Pond Area from SPARRSO (Space Research and Remote Sensing Organization Report, 1983 and updated on the basis of DFO (District Fisheries Office) Report 2022-23

Cont'd....

Table 3.18. Species Composition of Annual Fish Production of Ponds in 2022-23

Sl. No.	Species	Production (Metric Ton)	%
1	Rui *(Labeo rohita)*	330520	14.54
2	Catla *(Catla catla)*	219379	9.65
3	Mrigal *(Cirrhinus cirrhosus)*	219683	9.67
4	Kalibaus *(Labeo calbasu)*	42036	1.85
5	Bata *(Labeo bata)*	52654	2.32
6	Ghania *(Labeo gonius)*	15397	0.68
7	Silver Carp *(Hypophthalmichthys molitrix)*	225580	9.93
8	Grass Carp *(Ctenopharyngodon idella)*	61391	2.70
9	Common Carp *(Cyprinus carpio)*	86947	3.83
10	Other Exotic Carp	30578	1.34
11	Pangas *(Pangasius pangasius)*	391593	17.23
12	Boal/Ayre/Guizza Ayre *(Wallago attu/ Sperata aor/Sperata seenghala)*	751	0.03
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	2584	0.11
14	Koi *(Anabas testudineus)*	60387	2.66
15	Shingi/Magur *(Heteropneustes fossilis/Clarias batrachus)*	46236	2.03
16	Big Prawn	2861	0.13
17	Small Prawn	3369	0.15
18	Tilapia/Nilotica *(Oreochromis mossambicus/O. niloticus)*	339557	14.94
19	Sarpunti *(Puntius sarana)*	57008	2.51
20	Cuchia *(Monopterus cuchia)*	179	0.01
21	Other Fish	83977	3.69
	TOTAL	**2272667**	**100**

Table 3.19. District-wise Species Composition of Fish Production of Ponds in 2022-23

Sl. No.	Species	Dhaka		Faridpur		Gazipur		Gopalganj		Kishoreganj		Madaripur		Manikganj		Munshiganj		Narayanganj	
		MT	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%
1	Rui	1674	19.21	4347	19.13	2999	10.18	3672	19.06	4675	16.16	2133	14.89	2704	18.79	2051	19.11	1524	13.44
2	Catla	1395	16.00	3415	15.03	2428	8.24	2331	12.10	3058	10.57	1471	10.27	1518	10.55	1296	12.08	1536	13.54
3	Mrigal	1228	14.09	2495	10.98	1759	5.97	1886	9.79	3298	11.40	1365	9.53	1651	11.47	1097	10.22	1213	10.70
4	Kalibaus	409	4.69	295	1.30	551	1.87	586	3.04	1041	3.60	66	0.46	183	1.27	375	3.49	709	6.25
5	Bata	493	5.66	1027	4.52	247	0.84	695	3.61	550	1.90	308	2.15	317	2.20	412	3.84	536	4.73
6	Ghania	102	1.17	0	0	27	0.09	206	1.07	396	1.37	0	0	121	0.84	137	1.28	250	2.20
7	Silver carp	996	11.43	2863	12.60	6693	22.72	2196	11.40	3272	11.31	1298	9.06	1393	9.68	606	5.65	1152	10.16
8	Grass carp	656	7.53	1413	6.22	1099	3.73	1156	6.00	1258	4.35	314	2.19	253	1.76	120	1.12	459	4.05
9	Mirror/Common carp	257	2.95	1286	5.66	1064	3.61	1183	6.14	1802	6.23	609	4.25	758	5.27	218	2.03	483	4.26
10	Other Exotic carp	168	1.93	157	0.69	330	1.12	141	0.73	156	0.54	153	1.07	132	0.92	20	0.19	147	1.30
11	Pangas	200	2.29	1570	6.91	1947	6.61	855	4.44	3905	13.50	2399	16.75	2018	14.02	1491	13.89	1161	10.24
12	Boal/Ayre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0.22
13	Shol/Gazar/Taki	8	0.09	0	0	0	0	0	0	6	0.02	0	0	0	0	40	0.37	6	0.05
14	Koi	32	0.37	89	0.39	156	0.53	362	1.88	738	2.55	513	3.58	541	3.76	75	0.70	42	0.37
15	Shingi/Magur	40	0.46	77	0.34	386	1.31	158	0.82	686	2.37	160	1.12	128	0.89	67	0.62	65	0.57
16	Big Shrimp/Prawn	0	0	2	0.01	0	0	462	2.40	0	0	23	0.16	0	0	0	0	0	0
17	Small Shrimp/Prawn	10	0.11	7	0.03	0	0	114	0.59	0	0	49	0.34	32	0.22	0	0	3	0.03
18	Tilapia/Nilotica	570	6.54	1795	7.90	8526	28.94	1167	6.06	1846	6.38	2333	16.29	2142	14.88	1119	10.43	1025	9.04
19	Sarpunti/Thai punti	334	3.83	486	2.14	1175	3.99	622	3.23	509	1.76	430	3.00	322	2.24	141	1.31	435	3.84
20	Cuchia	0	0	0	0	0	0.00	12	0.06	0	0	4	0.03	0	0	0	0	0	0
21	Other Inland Fish	144	1.65	1397	6.15	73	0.25	1459	7.58	1732	5.99	694	4.86	179	1.24	1466	13.67	570	5.01
	TOTAL	**8716**	**100**	**22721**	**100**	**29460**	**100**	**19263**	**100**	**28928**	**100**	**14322**	**100**	**14392**	**100**	**10731**	**100**	**11341**	**100**

Cont'd....

Sl. No.	Species	Narsingdi		Rajbari		Shariatpur		Tangail		Jamalpur		Mymensingh		Netrakona		Sherpur	
		MT	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%
1	Rui	1841	7.15	2517	14.65	4314	27.93	8532	19.61	4419	21.05	13797	4.35	4406	9.91	3508	14.09
2	Catla	1753	6.81	1855	10.80	2635	17.06	4211	9.68	2614	12.45	12655	3.99	3437	7.73	2014	8.09
3	Mrigal	1769	6.87	2001	11.65	2178	14.10	4425	10.17	2702	12.87	10276	3.24	3646	8.20	2136	8.58
4	Kalibaus	185	0.72	509	2.96	0	0	1044	2.40	701	3.34	3552	1.12	1849	4.16	1247	5.01
5	Bata	126	0.49	1060	6.17	130	0.84	1505	3.46	577	2.75	8151	2.57	871	1.96	1140	4.58
6	Ghania	75	0.29	17	0.10	0	0	204	0.47	227	1.08	2950	0.93	805	1.81	1046	4.20
7	Silver carp	602	2.34	1608	9.36	2607	16.88	7457	17.14	2908	13.85	9198	2.90	3588	8.07	3587	14.41
8	Grass carp	263	1.02	996	5.80	289	1.87	670	1.54	185	0.88	7612	2.40	1872	4.21	1471	5.91
9	Mirror/Common carp	301	1.17	605	3.52	558	3.61	2384	5.48	533	2.54	4028	1.27	2507	5.64	1516	6.09
10	Other Exotic carp	409	1.59	309	1.80	0	0	718	1.65	90	0.43	5899	1.86	2667	6.00	461	1.85
11	Pangas	5790	22.49	1735	10.10	1245	8.06	4011	9.22	1917	9.13	132577	41.80	5522	12.42	2437	9.79
12	Boal/Ayre	0	0	0	0	0	0	13	0.03	0	0	0	0	4	0.01	0	0
13	Shol/Gazar/Taki	0	0	12	0.07	0	0	35	0.08	0	0	0	0	289	0.65	0	0
14	Koi	4436	17.23	850	4.95	0	0	257	0.59	380	1.81	20140	6.35	2223	5.00	1349	5.42
15	Shingi/Magur	2178	8.46	521	3.03	0	0	509	1.17	321	1.53	18396	5.80	3468	7.80	433	1.74
16	Big Shrimp/Prawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Small Shrimp/Prawn	28	0.11	15	0.09	0	0	0	0	0	0	0	0	80	0.18	30	0.12
18	Tilapia/Nilotica	5203	20.21	1316	7.66	755	4.89	5739	13.19	2589	12.33	27245	8.59	3223	7.25	1332	5.35
19	Sarpunti/Thai punti	348	1.35	802	4.67	680	4.40	909	2.09	67	0.32	6312	1.99	876	1.97	239	0.96
20	Cuchia	3	0.01	0	0	0	0	0	0	2	0.01	0	0	4	0.01	0	0
21	Other Inland Fish	434	1.69	452	2.62	54	0.36	884	2.03	762	3.63	34381	10.84	3121	7.02	948	3.81
	TOTAL	**25744**	**100**	**17180**	**100**	**15445**	**100**	**43507**	**100**	**20994**	**100**	**317169**	**100**	**44458**	**100**	**24894**	**100**

Cont'd....

Sl. No.	Species	Bagerhat		Chuadanga		Jashore		Jhenaidah		Khulna		Kushtia		Magura		Meherpur	
		MT	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%
1	Rui	5556	29.75	1444	11.82	22453	16.18	5106	17.69	3588	18.29	3604	14.12	2431	20.26	895	11.63
2	Catla	2178	11.66	781	6.39	12669	9.13	2560	8.87	2205	11.24	2251	8.82	2032	16.94	716	9.30
3	Mrigal	2213	11.85	1081	8.85	20884	15.05	3143	10.89	1871	9.54	2698	10.57	2055	17.13	624	8.10
4	Kalibaus	232	1.24	81	0.66	3955	2.85	12	0.04	33	0.17	587	2.30	18	0.15	23	0.30
5	Bata	50	0.27	601	4.92	4232	3.05	251	0.87	133	0.68	1304	5.11	590	4.92	148	1.92
6	Ghania	26	0.14	2	0.02	69	0.05	0	0	0	0	0	0	0	0	0	0
7	Silver carp	874	4.68	2437	19.95	17110	12.33	4835	16.75	2703	13.78	5015	19.65	1908	15.90	1192	15.49
8	Grass carp	1051	5.63	395	3.23	3636	2.62	2759	9.56	981	5.00	921	3.61	317	2.64	276	3.58
9	Mirror/Common carp	805	4.31	782	6.40	5343	3.85	1345	4.66	1420	7.24	2320	9.09	635	5.29	533	6.93
10	Other Exotic carp	176	0.94	84	0.69	1388	1.00	274	0.95	14	0.07	559	2.19	221	1.84	123	1.60
11	Pangas	831	4.45	809	6.62	16319	11.76	621	2.15	885	4.51	2795	10.95	834	6.95	1199	15.58
12	Boal/Ayre	13	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Shol/Gazar/Taki	237	1.27	0	0	28	0.02	9	0.03	0	0	0	0	0	0	0	0
14	Koi	88	0.47	65	0.53	1388	1.00	12	0.04	471	2.40	43	0.17	35	0.29	11	0.14
15	Shingi/Magur	35	0.19	26	0.21	1055	0.76	211	0.73	322	1.64	38	0.15	35	0.29	23	0.30
16	Big Shrimp/Prawn	1793	9.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Small Shrimp/Prawn	233	1.25	0	0	0	0	6	0.02	355	1.81	54	0.21	0	0	0	0
18	Tilapia/Nilotica	1470	7.87	3126	25.59	22050	15.89	6731	23.32	4202	21.42	2443	9.57	432	3.60	1690	21.96
19	Sarpunti/Thai punti	504	2.70	257	2.10	3358	2.42	372	1.29	157	0.80	385	1.51	204	1.70	78	1.01
20	Cuchia	7	0.04	0	0	0	0	0	0	10	0.05	0	0	0	0	0	0
21	Other Inland Fish	303	1.62	245	2.02	2830	2.04	617	2.14	265	1.36	506	1.98	251	2.10	167	2.16
	TOTAL	**18675**	**100**	**12216**	**100**	**138767**	**100**	**28864**	**100**	**19615**	**100**	**25523**	**100**	**11998**	**100**	**7698**	**100**

Cont'd....

Sl. No.	Species	Narail		Satkhira		Barguna		Barishal		Bhola		Jhalokati		Patuakhali		Pirojpur	
		MT	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%
1	Rui	1761	32.92	8683	19.18	565	6.48	4000	9.60	9006	22.70	750	13.75	4592	16.12	838	8.00
2	Catla	1658	31.00	6433	14.21	489	5.61	2875	6.90	6947	17.51	530	9.72	3532	12.40	744	7.11
3	Mrigal	606	11.33	5623	12.42	423	4.85	2975	7.14	3091	7.79	517	9.48	2387	8.38	610	5.83
4	Kalibaus	105	1.96	50	0.11	26	0.30	146	0.35	619	1.56	0	0	26	0.09	55	0.53
5	Bata	115	2.15	195	0.43	92	1.06	600	1.44	0	0	0	0	6	0.02	10	0.10
6	Ghania	0	0	0	0	0	0	0	0	286	0.72	0	0	3	0.01	3	0.03
7	Silver carp	412	7.71	1480	3.27	232	2.66	967	2.32	3856	9.72	464	8.51	3014	10.58	519	4.96
8	Grass carp	61	1.14	222	0.49	54	0.62	204	0.49	837	2.11	103	1.89	342	1.20	271	2.59
9	Mirror/Common carp	136	2.54	186	0.41	151	1.73	687	1.65	472	1.19	215	3.95	262	0.92	211	2.02
10	Other Exotic carp	5	0.10	54	0.12	0	0	17	0.04	119	0.30	19	0.35	108	0.38	13	0.12
11	Pangas	97	1.81	10163	22.45	3828	43.94	15454	37.09	7812	19.69	1723	31.61	5945	20.87	2852	27.24
12	Boal/Ayre	0	0	0	0	0	0	0	0	0	0	0	0	26	0.09	3	0.03
13	Shol/Gazar/Taki	0	0	0	0	0	0	0	0	40	0.10	0	0	23	0.08	0	0
14	Koi	135	2.52	95	0.21	0	0	712	1.71	163	0.41	161	2.96	427	1.50	1116	10.66
15	Shingi/Magur	66	1.23	109	0.24	0	0	121	0.29	12	0.03	19	0.35	111	0.39	0	0
16	Big Shrimp/Prawn	28	0.52	32	0.07	0	0	4	0.01	0	0	0	0	242	0.85	7	0.07
17	Small Shrimp/Prawn	0	0	41	0.09	0	0	0	0	103	0.26	2	0.04	14	0.05	3	0.03
18	Tilapia/Nilotica	59	1.10	10688	23.61	2471	28.36	11833	28.40	5126	12.92	796	14.61	6504	22.83	2793	26.68
19	Sarpunti/Thai punti	34	0.64	72	0.16	173	1.99	700	1.68	663	1.67	0	0	353	1.24	222	2.12
20	Cuchia	0	0	18	0.04	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Inland Fish	70	1.33	1127	2.49	209	2.40	371	0.89	522	1.32	152	2.78	570	2.00	199	1.88
	TOTAL	**5348**	**100**	**45271**	**100**	**8713**	**100**	**41666**	**100**	**39674**	**100**	**5451**	**100**	**28487**	**100**	**10469**	**100**

Cont'd....

Sl. No.	Species	Dinajpur		Gaibandha		Kurigram		Lalmonirhat		Nilphamari		Panchagarh		Rangpur		Thakurgaon	
		MT	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%
1	Rui	6754	12.12	3416	12.16	2601	11.37	2201	13.79	2704	12.17	2429	15.91	3506	10.25	2793	9.92
2	Catla	5149	9.24	2815	10.02	2260	9.88	954	5.98	1280	5.76	2122	13.90	3113	9.10	1999	7.10
3	Mrigal	4970	8.92	1714	6.10	1734	7.58	1634	10.24	1617	7.28	2081	13.63	2969	8.68	1859	6.60
4	Kalibaus	674	1.21	242	0.86	34	0.15	177	1.11	324	1.46	511	3.35	800	2.34	96	0.34
5	Bata	2028	3.64	506	1.80	906	3.96	1274	7.98	469	2.11	626	4.10	2370	6.93	380	1.35
6	Ghania	134	0.24	45	0.16	0	0	575	3.60	220	0.99	21	0.14	96	0.28	262	0.93
7	Silver carp	6369	11.43	2410	8.58	3552	15.53	3065	19.20	2450	11.03	1682	11.02	6379	18.65	4700	16.69
8	Grass carp	808	1.45	1447	5.15	1018	4.45	887	5.56	911	4.10	302	1.98	1378	4.03	194	0.69
9	Mirror/Common carp	4291	7.70	1360	4.84	1498	6.55	1128	7.07	1124	5.06	441	2.89	2709	7.92	1402	4.98
10	Other Exotic carp	128	0.23	101	0.36	860	3.76	442	2.77	180	0.81	189	1.24	438	1.28	684	2.43
11	Pangas	9445	16.95	4545	16.18	1066	4.66	319	2.00	398	1.79	337	2.21	315	0.92	186	0.66
12	Boal/Ayre	0	0	0	0	0	0	13	0.08	0	0	2	0.01	0	0	0	0
13	Shol/Gazar/Taki	0	0	1250	4.45	0	0	21	0.13	209	0.94	23	0.15	14	0.04	0	0
14	Koi	669	1.20	1275	4.54	1382	6.04	319	2.00	726	3.27	443	2.90	653	1.91	163	0.58
15	Shingi/Magur	462	0.83	1329	4.73	114	0.50	120	0.75	111	0.50	478	3.13	1057	3.09	6	0.02
16	Big Shrimp/Prawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Small Shrimp/Prawn	1772	3.18	0	0	0	0	13	0.08	0	0	18	0.12	3	0.01	0	0
18	Tilapia/Nilotica	9545	17.13	5346	19.03	5112	22.35	1203	7.54	6731	30.30	2664	17.45	5285	15.45	12210	43.36
19	Sarpunti/Thai punti	1443	2.59	81	0.29	423	1.85	851	5.33	2302	10.36	450	2.95	2661	7.78	1056	3.75
20	Cuchia	11	0.02	0	0	0	0	0	0	0	0	2	0.01	0	0	6	0.02
21	Other Inland Fish	1070	1.92	209	0.75	313	1.37	765	4.79	460	2.07	446	2.91	458	1.34	164	0.58
	TOTAL	**55722**	**100**	**28091**	**100**	**22873**	**100**	**15961**	**100**	**22216**	**100**	**15267**	**100**	**34204**	**100**	**28160**	**100**

Cont'd....

Sl. No.	Species	Bogura		Chapainawabganj		Joypurhat		Naogaon		Natore		Pabna		Rajshahi		Sirajganj	
		MT	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%
1	Rui	10853	11.43	2610	17.42	4721	18.91	11188	17.43	11722	20.97	8256	15.79	21668	30.36	3623	11.95
2	Catla	7283	7.67	1723	11.50	3170	12.70	6329	9.86	5020	8.98	3916	7.49	10499	14.71	2544	8.39
3	Mrigal	9524	10.03	2450	16.35	2412	9.66	9866	15.37	7535	13.48	5176	9.90	9635	13.50	2610	8.61
4	Kalibaus	1994	2.10	406	2.71	80	0.32	1412	2.20	525	0.94	795	1.52	2541	3.56	506	1.67
5	Bata	4406	4.64	962	6.42	325	1.30	1464	2.28	2717	4.86	1631	3.12	1106	1.55	770	2.54
6	Ghania	47	0.05	0	0	0	0	0	0	0	0	131	0.25	64	0.09	812	2.68
7	Silver carp	11090	11.68	3046	20.33	4386	17.57	7761	12.09	11230	20.09	9939	19.01	11805	16.54	2750	9.07
8	Grass carp	1709	1.80	429	2.86	1291	5.17	1117	1.74	1839	3.29	748	1.43	999	1.40	697	2.30
9	Mirror/Common carp	3428	3.61	1058	7.06	1223	4.90	2715	4.23	5176	9.26	3132	5.99	5374	7.53	1446	4.77
10	Other Exotic carp	1757	1.85	1049	7.00	215	0.86	1560	2.43	73	0.13	52	0.10	942	1.32	170	0.56
11	Pangas	25390	26.74	195	1.30	3415	13.68	12074	18.81	5188	9.28	9814	18.77	3290	4.61	2101	6.93
12	Boal/Ayre	57	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Shol/Gazar/Taki	57	0.06	13	0.09	0	0	0	0	0	0	0	0	0	0	0	0
14	Koi	2649	2.79	126	0.84	135	0.54	854	1.33	229	0.41	131	0.25	457	0.64	900	2.97
15	Shingi/Magur	2744	2.89	64	0.43	220	0.88	751	1.17	369	0.66	267	0.51	564	0.79	309	1.02
16	Big Shrimp/Prawn	0	0	3	0.02	0	0	0	0	0	0	0	0	0	0	0	0
17	Small Shrimp/Prawn	104	0.11	13	0.09	7	0.03	13	0.02	0	0	0	0	128	0.18	9	0.03
18	Tilapia/Nilotica	6903	7.27	198	1.32	2654	10.63	6002	9.35	2801	5.01	868	1.66	1370	1.92	9232	30.45
19	Sarpunti/Thai punti	1301	1.37	114	0.76	250	1.00	83	0.13	151	0.27	6431	12.30	464	0.65	1064	3.51
20	Cuchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Inland Fish	3655	3.85	524	3.50	460	1.85	1002	1.56	1325	2.37	998	1.91	464	0.65	774	2.55
	TOTAL	**94951**	**100**	**14983**	**100**	**24964**	**100**	**64191**	**100**	**55900**	**100**	**52285**	**100**	**71370**	**100**	**30317**	**100**

Cont'd....

Sl. No.	Species	Bandarban		Brahmanbaria		Chandpur		Chattogram		Cumilla		Cox's Bazar		Feni		Khagrachhari	
		MT	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%
1	Rui	550	20.50	7100	17.94	9569	22.44	14536	20.04	16516	10.89	719	13.24	4305	15.17	1046	15.69
2	Catla	376	13.99	4825	12.19	5834	13.68	10445	14.40	13422	8.85	492	9.06	3065	10.80	769	11.53
3	Mrigal	348	12.96	4393	11.10	5480	12.85	10975	15.13	8948	5.90	430	7.92	3368	11.87	1057	15.86
4	Kalibaus	20	0.73	665	1.68	917	2.15	1124	1.55	637	0.42	192	3.53	579	2.04	288	4.32
5	Bata	4	0.15	495	1.25	495	1.16	36	0.05	2002	1.32	7	0.12	26	0.09	160	2.40
6	Ghania	33	1.24	708	1.79	13	0.03	138	0.19	1896	1.25	54	1.00	1215	4.28	46	0.69
7	Silver carp	351	13.07	3091	7.81	3241	7.60	3583	4.94	7932	5.23	339	6.23	2738	9.65	627	9.40
8	Grass carp	86	3.22	989	2.50	482	1.13	1110	1.53	3200	2.11	172	3.16	400	1.41	82	1.23
9	Mirror/Common carp	202	7.54	1334	3.37	448	1.05	1361	1.87	1380	0.91	96	1.77	763	2.69	683	10.24
10	Other Exotic carp	10	0.37	317	0.80	2849	6.68	212	0.29	197	0.13	49	0.91	125	0.44	261	3.91
11	Pangas	232	8.64	3914	9.89	0	0	6847	9.44	43572	28.73	1096	20.17	843	2.97	619	9.28
12	Boal/Ayre	0	0	4	0.01	0	0	15	0.02	0	0	0	0	502	1.77	25	0.38
13	Shol/Gazar/Taki	2	0.07	8	0.02	0	0	15	0.02	15	0.01	11	0.21	17	0.06	30	0.45
14	Koi	6	0.22	843	2.13	2269	5.32	181	0.25	5657	3.73	33	0.6	1030	3.63	11	0.17
15	Shingi/Magur	26	0.95	1579	3.99	640	1.50	203	0.28	3579	2.36	19	0.35	423	1.49	16	0.24
16	Big Shrimp/Prawn	0	0	0	0	34	0.08	12	0.02	45	0.03	23	0.42	0	0	0	0
17	Small Shrimp/Prawn	10	0.37	0	0	4	0.01	15	0.02	15	0.01	10	0.19	0	0	11	0.17
18	Tilapia/Nilotica	305	11.37	3305	8.35	9045	21.21	19019	26.22	40206	26.51	1435	26.40	8428	29.70	516	7.74
19	Sarpunti/Thai punti	12	0.44	5434	13.73	384	0.90	377	0.52	197	0.13	11	0.21	272	0.96	208	3.12
20	Cuchia	4	0.15	0	0	0	0	11	0.02	0	0	17	0.31	0	0	5	0.07
21	Other Inland Fish	108	4.02	574	1.45	940	2.21	2320	3.20	2246	1.48	229	4.20	279	0.98	207	3.11
	TOTAL	**2685**	**100**	**39578**	**100**	**42644**	**100**	**72535**	**100**	**151662**	**100**	**5434**	**100**	**28378**	**100**	**6667**	**100**

Cont'd....

Sl. No.	Species	Lakshmipur		Noakhali		Rangamati		Habiganj		Moulvibazar		Sunamganj		Sylhet		Total	
		MT	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%	*MT*	%
1	Rui	5887	16.66	12587	23.12	402	16.12	2044	9.86	2997	11.77	3198	26.38	3634	15.60	**330520**	**14.54**
2	Catla	4480	12.68	8874	16.30	319	12.81	1732	8.36	2219	8.70	1657	13.67	2472	10.61	**219379**	**9.65**
3	Mrigal	3675	10.40	8852	16.26	243	9.74	1420	6.85	1376	5.40	2394	19.75	3012	12.93	**219683**	**9.67**
4	Kalibaus	1184	3.35	3822	7.02	183	7.33	209	1.01	1120	4.39	22	0.18	687	2.95	**42036**	**1.85**
5	Bata	0	0	0	0	58	2.34	284	1.37	675	2.64	0	0	0	0	**52654**	**2.32**
6	Ghania	0	0	120	0.22	14	0.56	421	2.04	875	3.43	34	0.28	471	2.02	**15397**	**0.68**
7	Silver carp	2258	6.39	4170	7.66	198	7.96	1937	9.33	564	2.21	1045	8.62	1850	7.94	**225580**	**9.93**
8	Grass carp	629	1.78	1720	3.16	133	5.34	527	2.54	1101	4.31	725	5.98	1745	7.49	**61391**	**2.70**
9	Mirror/Common carp	378	1.07	2390	4.39	99	3.97	1277	6.16	1033	4.05	807	6.66	1596	6.85	**86947**	**3.83**
10	Other Exotic carp	509	1.44	1644	3.02	11	0.43	10	0.05	171	0.67	135	1.11	107	0.46	**30578**	**1.34**
11	Pangas	5207	14.74	4018	7.38	279	11.21	1190	5.74	1954	7.66	382	3.15	415	1.78	**391593**	**17.23**
12	Boal/Ayre	0	0	49	0.09	0	0	0	0	0	0	0	0	0	0	**751**	**0.03**
13	Shol/Gazar/Taki	74	0.21	38	0.07	0	0	27	0.13	27	0.12	0	0	0	0	**2584**	**0.11**
14	Koi	128	0.37	762	1.40	0	0	133	0.64	523	2.05	336	2.77	259	1.11	**60387**	**2.66**
15	Shingi/Magur	0	0	54	0.10	38	1.52	93	0.45	444	1.74	274	2.26	107	0.46	**46236**	**2.03**
16	Big Shrimp/Prawn	0	0	11	0.02	0	0	0	0	0	0	0	0	140	0.60	**2861**	**0.13**
17	Small Shrimp/Prawn	15	0.03	22	0.04	0	0	8	0.04	0	0	0	0	0	0	**3369**	**0.15**
18	Tilapia/Nilotica	10286	29.11	1296	2.38	346	13.90	5739	27.70	7076	27.74	399	3.29	3693	15.85	**339557**	**14.94**
19	Sarpunti/Thai punti	463	1.31	664	1.22	43	1.73	3282	15.81	1788	7.01	253	2.09	2276	9.77	**57008**	**2.51**
20	Cuchia	0	0	0	0	2	0.09	15	0.07	31	0.12	10	0.08	5	0.02	**179**	**0.01**
21	Other Inland Fish	162	0.46	3347	6.15	123	4.95	385	1.85	1536	5.99	452	3.73	828	3.56	**83977**	**3.69**
	TOTAL	**35335**	**100**	**54440**	**100**	**2491**	**100**	**20733**	**100**	**25510**	**100**	**12123**	**100**	**23297**	**100**	**2272667**	**100**

Table 3.20. Annual Fish Production of Seasonal Cultured Waterbodies in 2022-23

[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	2760	4059	11	13	2771	4072
2	Faridpur	5402	5011	508	884	5910	5895
3	Gazipur	3362	7940	2	6	3364	7946
4	Gopalganj	2278	3161	149	207	2427	3368
5	Kishoreganj	786	1026	1	3	787	1029
6	Madaripur	134	214	0	0	134	214
7	Manikganj	2245	2675	13	19	2258	2694
8	Munshiganj	5756	4337	4	6	5760	4343
9	Narayanganj	3335	2547	188	500	3523	3047
10	Narsingdi	472	762	29	115	501	877
11	Rajbari	2000	2372	195	352	2195	2724
12	Shariatpur	83	139	0	0	83	139
13	Tangail	908	1382	123	299	1031	1681
Dhaka Division		**29521**	**35625**	**1223**	**2404**	**30744**	**38029**
14	Jamalpur	1425	1653	0	0	1425	1653
15	Mymensingh	1454	1404	347	235	1801	1639
16	Netrakona	3204	3254	18	38	3222	3292
17	Sherpur	999	1518	6	4	1005	1522
Mymensingh Division		**7082**	**7829**	**371**	**277**	**7453**	**8106**
18	Bagerhat	1641	1533	294	360	1935	1893
19	Chuadanga	1010	1450	11	31	1021	1481
20	Jashore	12333	26211	87	91	12420	26302
21	Jhenaidah	2072	2122	1016	1873	3088	3995
22	Khulna	879	838	304	282	1183	1120
23	Kushtia	850	661	1977	3471	2827	4132
24	Magura	135	77	4	8	139	85
25	Meherpur	215	217	1	1	216	218
26	Narail	0	0	345	632	345	632
27	Satkhira	3005	1800	258	204	3263	2004
Khulna Division		**22140**	**34909**	**4297**	**6953**	**26437**	**41862**
28	Barguna	627	592	92	153	719	745
29	Barishal	11719	7382	0	0	11719	7382
30	Bhola	73	29	136	411	209	440
31	Jhalokati	448	606	0	0	448	606
32	Patuakhali	79	110	94	134	173	244
33	Pirojpur	1569	718	728	383	2297	1101
Barishal Division		**14515**	**9437**	**1050**	**1081**	**15565**	**10518**

Cont'd....

Sl. No.	District	Fish Culture in Floodplain & Paddy Field		Fish Culture in Borrow Pit		Total	
		Area	Production	Area	Production	Area	Production
34	Dinajpur	3060	3334	536	983	3596	4317
35	Gaibandha	1529	868	188	442	1717	1310
36	Kurigram	3495	4375	452	1020	3947	5395
37	Lalmonirhat	2978	4324	125	465	3103	4789
38	Nilphamari	994	1320	223	131	1217	1451
39	Panchagarh	719	990	16	28	735	1018
40	Rangpur	2755	4126	53	132	2808	4258
41	Thakurgaon	300	525	0	0	300	525
Rangpur Division		**15830**	**19862**	**1593**	**3201**	**17423**	**23063**
42	Bogura	442	506	90	188	532	694
43	Chapainawabganj	127	128	106	120	233	248
44	Joypurhat	64	39	172	549	236	588
45	Naogaon	604	561	55	142	659	703
46	Natore	28	21	98	274	126	295
47	Pabna	706	687	1023	2488	1729	3175
48	Rajshahi	2351	1621	320	480	2671	2101
49	Sirajganj	285	315	335	848	620	1163
Rajshahi Division		**4607**	**3878**	**2199**	**5089**	**6806**	**8967**
50	Bandarban	0	0	0	0	0	0
51	Brahmanbaria	3583	3984	29	67	3612	4051
52	Chandpur	719	1712	464	1230	1183	2942
53	Chattogram	463	558	1535	2709	1998	3267
54	Cumilla	26739	81711	232	586	26971	82297
55	Cox's Bazar	139	110	33	55	172	165
56	Feni	408	446	27	81	435	527
57	Khagrachhari	0	0	0	0	0	0
58	Lakshmipur	137	234	320	636	457	870
59	Noakhali	927	1130	110	236	1037	1366
60	Rangamati	0	0	0	0	0	0
Chattogram Division		**33115**	**89885**	**2750**	**5600**	**35865**	**95485**
61	Habiganj	1212	1170	38	80	1250	1250
62	Moulvibazar	159	114	414	710	573	824
63	Sunamganj	797	1220	418	594	1215	1814
64	Sylhet	690	1086	492	578	1182	1664
Sylhet Division		**2858**	**3590**	**1362**	**1962**	**4220**	**5552**
TOTAL		**129668**	**205015**	**14845**	**26567**	**144513**	**231582**

Source	Area (Ha)	Production (MT)	MT/Ha	% of Production	*Growth Rate (%)*
Floodplain/Paddy field	129668	205015	1.58	**88.53**	*0.10*
Borrow Pit	14845	26567	1.79	**11.47**	*-1.17*
Total	**144513**	**231582**	1.60	**100**	*-0.05*

Table 3.21. Species Composition of Fish Production of Seasonal Cultured Waterbodies in 2022-23

Sl. No.	Species	Total Catch (Metric Ton)	%
1	Rui *(Labeo rohita)*	54158	23.39
2	Catla *(Catla catla)*	24110	10.41
3	Mrigal *(Cirrhinus cirrhosus)*	25609	11.06
4	Kalibaus *(Labeo calbasu)*	439	0.19
5	Bata *(Labeo bata)*	10526	4.54
6	Ghania *(Labeo gonius)*	2583	1.11
7	Silver Carp *(Hypophthalmichthys molitrix)*	37233	16.08
8	Grass Carp *(Ctenopharyngodon idella)*	12040	5.20
9	Common Carp *(Cyprinus carpio)*	23657	10.21
10	Other Exotic Carp	0	0
11	Pangas *(Pangasius pangasius)*	0	0
12	Boal/Ayre/Guizza Ayre *(Wallago attu/ Sperata aor/Sperata seenghala)*	128	0.05
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	297	0.13
14	Koi *(Anabas testudineus)*	1471	0.64
15	Shingi/Magur *(Heteropneustes fossilis/Clarias batrachus)*	82	0.04
16	Tilapia/Nilotica *(Oreochromis mossambicus/O. niloticus)*	24992	10.79
17	Sarpunti *(Puntius sarana)*	8701	3.76
18	Cuchia *(Monopterus cuchia)*	110	0.05
19	Other Inland Fish	3573	1.54
20	Big Prawn	730	0.32
21	Small Prawn	1143	0.49
	TOTAL	**231582**	**100**

Table 3.22. Annual Fish Production of Baors in 2022-23

Sl. No.	District	Area (Ha)	Production (Metric Ton)
1	Faridpur	437	855
2	Gopalganj	791	1014
3	Madaripur	1119	1535
4	Rajbari	14	34
Dhaka Division		**2361**	**3438**
5	Bagherhat	90	19
6	Chuadanga	498	1682
7	Jashore	1474	3914
8	Jhenaidah	881	2176
9	Kushtia	87	206
10	Magura	118	264
11	Meherpur	81	255
12	Satkhira	81	204
Khulna Division		**3310**	**8720**
TOTAL		**5671**	**12158**
Unit Production (MT/Ha)			***2.14***

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 2022-23

SL. No.	Species	Total Production (Metric Ton)	%
1	Rui	1797	*14.78*
2	Catla	1086	*8.93*
3	Mrigal	784	*6.45*
4	Kalibaus	117	*0.96*
5	Bata	280	*2.30*
6	Ghania	35	*0.29*
7	Silver carp	1996	*16.42*
8	Grass carp	709	*5.83*
9	Mirror/Common carp	550	*4.52*
10	Other Exotic carp	63	*0.52*
11	Pangas	0	*0*
12	Boal/Ayre	174	*1.43*
13	Shol/Gazar/Taki	287	*2.36*
14	Koi	22	*0.18*
15	Shingi/Magur	18	*0.15*
16	Tilapia/Nilotica	487	*4.01*
17	Sarpunti/Thai punti	234	*1.93*
18	Cuchia	9	*0.07*
19	Other Inland Fish	3003	*24.70*
20	Big Shrimp/Prawn	21	*0.17*
21	Small Shrimp/Prawn	486	*4.00*
	TOTAL	**12158**	***100***

Table 3.24. Annual Production of Shrimp/Prawn Farms in 2022-23

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	1.26	0	1.26	0	0.18	0	0.18	0	5.18	5.36
Faridpur	0	9.40	0	9.40	0	5.07	0	5.07	0	5.85	10.92
Gazipur	0	1.60	0	1.60	0	0.7	0	0.70	0	5.10	5.80
Gopalganj	0	1467.45	0	1467.45	0	858.03	0	858.03	0	1470.54	2328.57
Kishoreganj	0	0	0	0	0	0	0	0	0	0	0
Madaripur	0	17.46	0	17.46	0	10.74	0	10.74	0	65.76	76.50
Manikganj	0	1.00	0	1.00	0	0.77	0	0.77	0	0.50	1.27
Munsiganj	0	1.22	0	1.22	0	0.96	0	0.96	0	3.70	4.66
Narayanganj	0	0	0	0	0	0	0	0	0	0	0
Narsingdi	0	0	0	0	0	0	0	0	0	0	0
Rajbari	0	0	0	0	0	0	0	0	0	0	0
Shariatpur	0	13.00	0	13.00	0	7.02	0	7.02	0	46.35	53.37
Tangail	0	0	0	0	0	0	0	0	0	0	0
Dhaka Div.	**0**	**1512.39**	**0**	**1512.39**	**0**	**883.47**	**0**	**883.47**	**0**	**1602.98**	**2486.45**
Jamalpur	0	0.50	0	0.50	0	0.26	0	0.26	0	2.00	2.26
Mymensingh	0	0	0	0	0	0	0	0	0	0	0
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**	**0.50**	**0**	**0.50**	**0**	**0.26**	**0**	**0.26**	**0**	**2.00**	**2.26**
Bagerhat	52551	20173.30	1309.50	74033.80	19431.89	20268.09	2535.45	42235.43	3058.00	33475.68	78769.11
Chuadanga	0	0	0	0	0	0	0	0	0	0	0
Jashore	1278	15634.00	65	16977.00	367.88	9936.27	89.94	10394.09	0.24	22551.23	32945.56
Jhenaidah	0	0	0	0	0	0	0	0	0	0	0
Khulna	32998.33	19016.44	7325	59339.77	11706.34	12635.93	1952.85	26295.12	5203.00	42747.00	74245.12
Kushtia	0	1.00	0	1.00	0	0.34	0	0.34	0	0.50	0.84
Magura	0	11.16	0	11.16	0	3.59	0	3.59	0	38.66	42.25
Meherpur	0	3.60	0	3.60	0	0.88	0	0.88	0	0	0.88
Narail	0	2327.00	0	2327.00	0	2017.76	220.00	2237.76	0	2300.00	4537.76
Satkhira	58294	9389.00	321	68004.00	26214.99	10204.01	4493.00	40912.00	1965.00	40938.00	83815.00
Khulna Div.	**145121.33**	**66555.50**	**9020.50**	**220697.33**	**57721.10**	**55066.87**	**9291.24**	**122079.21**	**10226.24**	**142051.07**	**274356.52**
Barguna	256.50	148.40	8	412.90	103.92	110.67	79.01	293.60	34.24	322.36	650.20
Barishal	0	1017.00	0	1017.00	0	446.40	62.49	508.89	0	2389.00	2897.89
Bhola	22.60	23.40	14	60.00	10.44	14.26	0	24.70	35.34	61.50	121.54
Jhalokati	0	48.30	0	48.30	0	26.71	0	26.71	0	159.30	186.01
Patuakhali	476	709.95	20	1205.95	174.07	496.47	399.70	1070.24	83.96	2389.00	3543.20
Pirojpur	40	1035.00	6.20	1081.20	15.84	644.85	66.00	726.69	25.20	1891.50	2643.39
Barishal Div.	**795.10**	**2982.05**	**48.20**	**3825.35**	**304.27**	**1739.36**	**607.20**	**2650.83**	**178.74**	**7212.66**	**10042.23**
Dinajpur	0	5.00	0	5.00	0	2.08	0	2.08	0	23.00	25.08
Gaibandha	0	1.64	0	1.64	0	0.98	0	0.98	0	2.55	3.53
Kurigram	0	0.65	0	0.65	0	0.31	0	0.31	0	2.70	3.01
Lalmonirhat	0	0.10	0	0.10	0	0.05	0	0.05	0	0.25	0.30
Nilphamari	0	1.15	0	1.15	0	0.71	0	0.71	0	3.19	3.90
Panchagarh	0	0	0	0	0	0	0	0	0	0	0
Rangpur	0	6.28	0	6.28	0	4.14	0	4.14	0	17.00	21.14
Thakurgaon	0	0	0	0	0	0	0	0	0	0	0
Rangpur Div.	**0**	**14.82**	**0**	**14.82**	**0**	**8.27**	**0**	**8.27**	**0**	**48.69**	**56.96**

Cont'd....

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			
Bogura	0	4.63	0	4.63	0	1.70	0	1.70	0	13.00	14.70
C.nawabganj	0	0	0	0	0	0	0	0	0	0	0
Joypurhat	0	5.84	0	5.84	0	1.87	0	1.87	0	19.20	21.07
Naogaon	0	1.06	0	1.06	0	0.60	0	0.60	0	4.30	4.90
Natore	0	1.75	0	1.75	0	0.74	0	0.74	0	5.54	6.28
Pabna	0	5.08	0	5.08	0	2.63	0	2.63	0	1.70	4.33
Rajshahi	0	4.20	0	4.20	0	1.58	0	1.58	0	0	1.58
Sirajganj	0	2.96	0	2.96	0	1.37	0	1.37	0	8.41	9.78
Rajshahi Div.	**0**	**25.52**	**0**	**25.52**	**0**	**10.49**	**0**	**10.49**	**0**	**52.15**	**62.64**
Barisal	0	0	0	0	0	0	0	0	0	0	0
Barguna	0	0	0	0	0	0	0	0	0	0	0
Bhola	0	0	0	0	0	0	0	0	0	0	0
Jhalokati	0	0	0	0	0	0	0	0	0	0	0
Patuakhali	0	0	0	0	0	0	0	0	0	0	0
Pirojpur	0	0	0	0	0	0	0	0	0	0	0
Barisal Div.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	37.00	0	37.00	0	24.71	2	26.71	0	97.00	123.71
Chattogram	2010	151.00	0	2161.00	546.31	102.25	90.06	738.62	0	191.00	929.62
Cumilla	0	40.35	0	40.35	0	27.12	2.00	29.12	0	92.00	121.12
Cox's Bazar	42125	145.00	286.50	42556.50	14963.10	234.01	2535.50	17732.61	2457.02	4886.30	25075.93
Feni	12	30.60	0	42.60	5.22	21.35	0.02	26.59	0	91.13	117.72
Khagrachhari	0	0	0	0	0	0	0	0	0	0	0
Lakshmipur	0	146.90	0	146.90	0	70.68	10.50	81.18	0	96.90	178.08
Noakhali	0	122.50	17.10	139.60	0	81.15	0	81.15	19	312.03	412.18
Rangamati	0	0	0	0	0	0	0	0	0	0	0
Chattogram Div.	**44147**	**673.35**	**303.60**	**45123.95**	**15514.63**	**561.27**	**2640.08**	**18715.98**	**2476.02**	**5766.36**	**26958.36**
Habiganj	0	4.82	0	4.82	0	3.12	0	3.12	0	14.89	18.01
Moulvibazar	0	0.47	0	0.47	0	0.25	0.03	0.28	0	0.20	0.48
Sunamganj	0	0	0	0	0	0	0	0	0	0	0
Sylhet	0	0.20	0	0.20	0	0.08	0.01	0.09	0	0	0.09
Sylhet Div.	**0**	**5.49**	**0**	**5.49**	**0**	**3.45**	**0.04**	**3.49**	**0**	**15.09**	**18.58**
TOTAL	**19006343**	**71769.62**	**9372.30**	**271205.35**	**73540**	**58273.44**	**12538.56**	**144352**	**12881**	**156751**	**313984**
%	**70.08**	**26.46**	**3.46**	**100**	**23.42**	**18.56**	**4.00**	**45.98**	**4.10**	**49.92**	**100**

Species	Area (Ha)			Production (MT)			Kg/Ha		*Growth Rate (%)*	
	2022-23	2021-22	Difference	2022-23	2021-22	Difference	2022-23	2021-22	2022-23	2021-22
Bagda	190063	191057	-994	73540	70219	3321	387	368	4.73	2.20
Galda	71770	71923	-153	58273	54352	3921	812	756	7.21	7.10
Other Shrimp /Prawn	0	0	0	12539	12450	89	48	47	0.71	3.28
Shrimp/Prawn Total	**261833**	**262980**	**-1147**	**144352**	**137021**	**7331**	**551**	**521**	**5.35**	**4.19**
Fish	0	0	0	156751	150476	6275	599	572	4.17	2.43
Total	**261833**	**262980**	**-1147**	**301103**	**287497**	**13606**	**1150**	**1093**	**4.73**	**3.26**
Crab	9372	9353	19	12881	13397	-516	1374	1432	-3.85	8.59

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

Table 3.25. Species-wise Production of Shrimp/Prawn Farms in 2022-23

Sl. No.	Species	Total Production (Metric Ton)	%
1	Bagda *(Penaeus monodon)*	73540	23.42
2	Galda (*Macrobrachium rosenbergii)*	58273	18.56
3	Harina *(Metapenaeus monoceros)*	5294	1.69
4	Chaka *(Fenneropenaeus indicus)*	2704	0.86
5	Other Shrimp/Prawn	4541	1.45
	Shrimp/Prawn Total	**144352**	**45.98**
6	Rui	34640	11.03
7	Catla	25682	8.18
8	Mrigal	4944	1.57
9	Kalibaus	0	0
10	Bata	2902	0.92
11	Ghania	574	0.18
12	Silver Carp	16042	5.11
13	Grass Carp	1720	0.55
14	Mirror/Common Carp	1306	0.42
15	Other Exotic Carp	0	0
16	Pangas	0	0
17	Boal/Ayre	0	0
18	Shol/Gazar/Taki	0	0
19	Koi	0	0
20	Shingi/ Magur	0	0
21	Tilapia/Nilotica	45420	14.47
22	Thai Sarpunti	18530	5.90
23	Cuchia	53	0.02
24	Other Fish	4938	1.57
	Fish Total	**156751**	**49.92**
25	Crab	12881	4.10
	TOTAL	**313984**	**100**

Table 3.26. Sector-wise Annual Shrimp/Prawn Production in 2022-23

[Production in Metric Ton]

Sl. No.	Sector of Fisheries	Galda	Bagda	Harina	Chaka	Other Shrimp/ Prawn	Total
1	River	2223	71	3332	21	12282	17929
2	Sundarbans	137	141	0	0	521	799
3	Beel	64	0	0	0	4404	4468
4	Kaptai Lake	0	0	0	0	105	105
5	Floodplain	1670	0	0	0	46512	48182
6	Pond	2861	0	0	0	3369	6230
7	Seasonal Cultured Waterbody	730	0	0	0	1143	1873
8	Baor	21	0	0	0	486	507
9	Shrimp/Prawn Farm	58273	73540	5294	2704	4541	144352
10	Pen Culture	0	0	0	0	94	94
11	Cage Culture	0	0	0	0	0	0
Inland Total		**65979**	**73752**	**8626**	**2725**	**73457**	**224539**
12	Marine Industrial	0	226	1318	63	1363	2970
13	Marine Artisanal	0	2058	3565	3479	34691	43793
Marine Total		**0**	**2284**	**4883**	**3542**	**36054**	**46763**
TOTAL		**65979**	**76036**	**13509**	**6267**	**109511**	**271302**
Annual Growth Rate (%)		**8.18**	**4.43**	**0.61**	**- 0.43**	**1.74**	**3.89**

Table 3.27. Annual Fish Production of Pen Culture in 2022-23

District	Area (Ha)	Production (MT)	MT/Ha
Dhaka	1354	2587	*1.91*
Faridpur	609	1271	*2.09*
Gazipur	366	835	*2.28*
Gopalganj	2875	4858	*1.69*
Kishoreganj	152	222	*1.46*
Madaripur	751	1427	*1.90*
Manikganj	223	454	*2.04*
Munshiganj	97	206	*2.12*
Narayanganj	459	1030	*2.24*
Narsingdi	35	98	*2.80*
Rajbari	0	0	*0*
Shariatpur	3	4	*1.33*
Tangail	2	5	*2.50*
Dhaka Division	**6926**	**12997**	**1.88**
Jamalpur	0	0	*0*
Mymensingh	3	5	*1.67*
Netrakona	13	26	*2.00*
Sherpur	0	0	*0*
Mymensingh Division	**16**	**31**	**1.94**
Bagerhat	253	208	*0.82*
Chuadanga	0	0	*0*
Jashore	0	0	*0*
Jhenaidah	0	0	*0*
Khulna	0	0	*0*
Kushtia	0	0	*0*
Magura	0	0	*0*
Meherpur	0	0	*0*
Narail	0	0	*0*
Satkhira	0	0	*0*
Khulna Division	**253**	**208**	**0.82**
Barguna	8	17	*2.13*
Barishal	15	29	*1.93*
Bhola	0	0	*0*
Jhalokati	58	122	*2.10*
Patuakhali	5	8	*1.60*
Pirojpur	0	0	*0*
Barishal Division	**86**	**176**	**2.05**

District	Area (Ha)	Production (MT)	MT/Ha
Dinajpur	0	0	*0*
Gaibandha	175	273	*1.56*
Kurigram	242	372	*1.54*
Lalmonirhat	77	119	*1.55*
Nilphamari	16	26	*1.63*
Panchagarh	58	106	*1.83*
Rangpur	45	92	*2.04*
Thakurgaon	5	11	*2.20*
Rangpur Division	**618**	**999**	**1.62**
Bogura	25	51	*2.04*
Chapainawabganj	16	31	*1.94*
Joypurhat	0	0	*0*
Naogaon	0	0	*0*
Natore	6	12	*2.00*
Pabna	19	37	*1.95*
Rajshahi	0	0	*0*
Sirajganj	24	46	*1.92*
Rajshahi Division	**90**	**177**	**1.97**
Bandarban	0	0	*0*
Brahmanbaria	104	216	*2.08*
Chandpur	824	1349	*1.64*
Chattogram	0	0	*0*
Cumilla	56	84	*1.50*
Cox's Bazar	0	0	*0*
Feni	4	7	*1.75*
Khagrachhari	0	0	*0*
Lakshmipur	0	0	*0*
Noakhali	0	0	*0*
Rangamati	81	113	*1.40*
Chattogram Division	**1069**	**1769**	**1.65**
Habiganj	0	0	*0*
Moulvibazar	0	0	*0*
Sunamganj	10	21	*2.10*
Sylhet	12	24	*2.00*
Sylhet Division	**22**	**45**	**2.05**
TOTAL	**9080**	**16402**	**1.81**

Table 3.28. Annual Fish Production of Cage Culture in 2022-23

District	No. of Cage	Av. Size (cubic meter)	Total Area (cubic meter)	Production (MT)
Dhaka	20	18.58	372	6
Faridpur	0	0	0	0
Gazipur	35	18.58	650	6
Gopalganj	64	18.58	1189	16
Kishoreganj	0	0	0	0
Madaripur	404	18.58	7506	225
Manikganj	0	0	0	0
Munshiganj	0	0	0	0
Narayanganj	0	0	0	0
Narsingdi	2344	18.58	43552	1449
Rajbari	40	18.58	743	7
Shariatpur	0	0	0	0
Tangail	0	0	0	0
Dhaka Division	**2907**	**18.58**	**54012**	**1709**
Jamalpur	60	18.58	1115	18
Mymensingh	0	0	0	0
Netrakona	0	0	0	0
Sherpur	0	0	0	0
Mymensingh Division	**60**	**18.58**	**1115**	**18**
Bagerhat	10	18.58	186	3
Chuadanga	0	0	0	0
Jashore	0	0	0	0
Jhenaidah	0	0	0	0
Khulna	10	18.58	186	3
Kushtia	0	0	0	0
Magura	0	0	0	0
Meherpur	0	0	0	0
Narail	0	0	0	0
Satkhira	0	0	0	0
Khulna Division	**20**	**18.58**	**372**	**6**
Barguna	212	18.58	3939	86
Barishal	129	18.58	2397	63
Bhola	280	18.58	5202	146
Jhalokati	20	18.6	372	10
Patuakhali	0	0	0	0
Pirojpur	50	18.58	929	26
Barishal Division	**691**	**18.58**	**12839**	**331**

District	No. of Cage	Av. Size (cubic meter)	Total Area (cubic meter)	Production (MT)
Dinajpur	0	0	0	0
Gaibandha	20	18.58	372	8
Kurigram	66	18.58	1226	15
Lalmonirhat	0	0	0	0
Nilphamari	10	18.58	186	6
Panchagarh	20	18.58	372	10
Rangpur	0	0	0	0
Thakurgaon	0	0	0	0
Rangpur Division	**116**	**18.58**	**2155**	**39**
Bogura	24	18.58	446	12
Chapainawabganj	20	18.58	372	7
Joypurhat	10	18.58	186	4
Naogaon	0	0	0	0
Natore	10	18.58	186	2
Pabna	655	18.58	12170	317
Rajshahi	20	18.58	372	5
Sirajganj	2500	18.58	46450	1408
Rajshahi Division	**3239**	**18.58**	**60181**	**1755**
Bandarban	0	0	0	0
Brahmanbaria	180	18.58	3344	112
Chandpur	2360	18.58	43849	952
Chattogram	0	0	0	0
Cumilla	260	18.58	4831	140
Cox's Bazar	0	0	0	0
Feni	20	18.58	372	14
Khagrachhari	0	0	0	0
Lakshmipur	220	18.58	4088	74
Noakhali	0	0	0	0
Rangamati	327	18.58	6076	104
Chattogram Division	**3367**	**18.58**	**62559**	**1396**
Habiganj	0	0	0	0
Moulvibazar	0	0	0	0
Sunamganj	0	0	0	0
Sylhet	0	0	0	0
Sylhet Division	**0**	**0**	**0**	**0**
TOTAL	**10400**	**18.58**	**193232**	**5254**

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 2022-23

SL. No.	Species	Cage Culture		Pen Culture	
		Production (MT)	%	Production (MT)	%
1	Rui	-	-	2290	13.96
2	Catla	-	-	1594	9.72
3	Mrigal	-	-	1461	8.91
4	Kalibaus	-	-	195	1.19
5	Bata	-	-	395	2.41
6	Ghania	-	-	199	1.21
7	Silver carp	-	-	1199	7.31
8	Grass carp	-	-	418	2.55
9	Mirror/Common carp	-	-	399	2.43
10	Other Exotic carp	-	-	253	1.54
11	Pangas	-	-	430	2.62
12	Boal/Ayre	-	-	64	0.39
13	Shol/Gazar/Taki	-	-	67	0.41
14	Koi	-	-	26	0.16
15	Shingi/Magur	-	-	64	0.39
16	Big Shrimp/Prawn	-	-	0	0
17	Small Shrimp/Prawn	-	-	94	0.57
18	Tilapia/Nilotica	5254	100	3985	24.30
19	Sarpunti/Thai punti	-	-	1770	10.79
20	Cuchia	-	-	7	0.04
21	Other Inland Fish	-	-	1492	9.10
	TOTAL	**5254**	***100***	**16402**	***100***

Table 3.30 Annual Catch of Cuchia in 2022-23

District	Production (MT)		
	Culture	Capture	Total
Dhaka	0	3	3
Faridpur	0	52	52
Gazipur	0	65	65
Gopalganj	0	136	136
Kishoreganj	0	62	62
Madaripur	0	150	150
Manikganj	0	35	35
Munshiganj	0	89	89
Narayanganj	0	9	9
Narsingdi	0	478	478
Rajbari	0	149	149
Shariatpur	0	18	18
Tangail	0	17	17
Dhaka Division	**0**	**1263**	**1263**
Jamalpur	0	7	7
Mymensingh	5	80	85
Netrakona	0	93	93
Sherpur	0	25	25
Mymensingh Division	**5**	**205**	**210**
Bagerhat	0	160	160
Chuadanga	0	3	3
Jashore	6	34	40
Jhenaidah	0	4	4
Khulna	101	355	456
Kushtia	0	14	14
Magura	0	4	4
Meherpur	0	1	1
Narail	0	2	2
Satkhira	2	107	109
Khulna Division	**109**	**684**	**793**
Barguna	25	195	220
Barishal	72	909	981
Bhola	4	82	86
Jhalokati	0	43	43
Patuakhali	25	441	466
Pirojpur	0	160	160
Barishal Division	**126**	**1830**	**1956**

District	Production (MT)		
	Culture	Capture	Total
Dinajpur	1	19	20
Gaibandha	0	27	27
Kurigram	0	12	12
Lalmonirhat	0	6	6
Nilphamari	0	8	8
Panchagarh	0	19	19
Rangpur	0	171	171
Thakurgaon	40	4	44
Rangpur Division	**41**	**266**	**307**
Bogura	0	11	11
Chapainawabganj	7	12	19
Joypurhat	0	2	2
Naogaon	3	90	93
Natore	1	35	36
Pabna	8	225	233
Rajshahi	0	32	32
Sirajganj	35	282	317
Rajshahi Division	**54**	**689**	**743**
Bandarban	3	3	6
Brahmanbaria	0	13	13
Chandpur	0	165	165
Chattogram	7	290	297
Cumilla	0	36	36
Cox's Bazar	2	39	41
Feni	0	75	75
Khagrachhari	1	3	4
Lakshmipur	0	16	16
Noakhali	2	4	6
Rangamati	0	11	11
Chattogram Division	**15**	**655**	**670**
Habiganj	8	995	1003
Moulvibazar	0	35	35
Sunamganj	0	556	556
Sylhet	0	120	120
Sylhet Division	**8**	**1706**	**1714**
TOTAL	**358**	**7298**	**7656**

Table 3.31. Annual Catch of Hilsa in Inland and Marine Fisheries in 2022-23

[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	95	0	0	0	0	95	0	95	0	**95**
Faridpur	0	0	358	0	0	0	0	358	0	358	0	**358**
Gazipur	0	0	0	0	0	0	0	0	0	0	0	**0**
Gopalganj	0	0	0	0	0	0	9	9	0	9	0	**9**
Kishoreganj	0	110	0	0	0	0	0	110	0	110	0	**110**
Madaripur	0	0	191	0	0	0	0	191	0	191	0	**191**
Manikganj	0	0	1122	0	0	0	0	1122	0	1122	0	**1122**
Munshiganj	0	396	706	0	0	0	0	1102	0	1102	0	**1102**
Narayanganj	0	107	0	0	0	0	0	107	0	107	0	**107**
Narsingdi	0	210	0	0	0	0	0	210	0	210	0	**210**
Rajbari	0	0	513	305	0	0	0	818	0	818	0	**818**
Shariatpur	1575	0	2925	0	0	0	0	4500	0	4500	0	**4500**
Tangail	0	0	0	0	154	0	0	154	0	154	0	**154**
Dhaka Division	**1575**	**823**	**5910**	**305**	**154**	**0**	**9**	**8776**	**0**	**8776**	**0**	**8776**
Jamalpur	0	0	0	0	73	6	0	79	0	79	0	**79**
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**	**73**	**6**	**0**	**79**	**0**	**79**	**0**	**79**
Bagerhat	0	0	0	0	0	0	1014	1014	30	1044	941	**1985**
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	1233	1233	415	1648	795	**2443**
Kushtia	0	0	0	9	0	0	0	9	0	9	0	**9**
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	7	7	0	7	0	**7**
Satkhira	0	0	0	0	0	0	0	0	0	0	0	**0**
Khulna Division	**0**	**0**	**0**	**9**	**0**	**0**	**2254**	**2263**	**445**	**2708**	**1736**	**4444**
Barguna	0	0	0	0	0	0	6004	6004	0	6004	69681	**75685**
Barishal	35688	0	0	0	0	0	2525	38213	0	38213	1678	**39891**
Bhola	95487	0	0	0	0	0	4230	99717	0	99717	80277	**179994**
Jhalokati	0	0	0	0	0	0	1120	1120	0	1120	0	**1120**
Patuakhali	0	0	0	0	0	0	30845	30845	0	30845	41386	**72231**
Pirojpur	0	0	0	0	0	0	1670	1670	0	1670	1752	**3422**
Barishal Division	**131175**	**0**	**0**	**0**	**0**	**0**	**46394**	**177569**	**0**	**177569**	**194774**	**372343**

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	7	7	0	14	0	14	0	**14**
Kurigram	0	0	0	0	0	303	0	303	0	303	0	**303**
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**	**7**	**310**	**0**	**317**	**0**	**317**	**0**	**317**
Bogura	0	0	0	0	5	0	0	5	0	5	0	**5**
Chapainawabganj	0	0	0	21	0	0	0	21	0	21	0	**21**
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	15	0	0	0	15	0	15	0	**15**
Pabna	0	0	0	86	42	0	0	128	0	128	0	**128**
Rajshahi	0	0	0	131	0	0	0	131	0	131	0	**131**
Sirajganj	0	0	0	0	300	0	0	300	0	300	0	**300**
Rajshahi Division	**0**	**0**	**0**	**253**	**347**	**0**	**0**	**600**	**0**	**600**	**0**	**600**
Bandarban	0	0	0	0	0	0	0	0	0	0	0	**0**
Brahmanbaria	0	229	0	0	0	0	0	229	0	229	0	**229**
Chandpur	34055	0	0	0	0	0	830	34885	0	34885	0	**34885**
Chattogram	0	0	0	0	0	0	6812	6812	0	6812	54867	**61679**
Cumilla	0	0	0	0	0	0	0	0	0	0	0	**0**
Cox's Bazar	0	0	0	0	0	0	3438	3438	0	3438	38326	**41764**
Feni	0	0	0	0	0	0	70	70	0	70	13	**83**
Khagrachhari	0	0	0	0	0	0	0	0	0	0	0	**0**
Lakshmipur	22288	0	0	0	0	0	173	22461	0	22461	1307	**23768**
Noakhali	13303	0	0	0	0	0	64	13367	0	13367	8989	**22356**
Rangamati	0	0	0	0	0	0	0	0	0	0	0	**0**
Chattogram Division	**69646**	**229**	**0**	**0**	**0**	**0**	**11387**	**81262**	**0**	**81262**	**103502**	**184764**
Habiganj	0	0	0	0	0	0	3	3	0	3	0	**3**
Moulvibazar	0	0	0	0	0	0	0	0		0	0	**0**
Sunamganj	0	0	0	0	0	0	9	9	0	9	0	**9**
Sylhet	0	0	0	0	0	0	7	7	0	7	0	**7**
Sylhet Division	**0**	**0**	**0**	**0**	**0**	**0**	**19**	**19**	**0**	**19**	**0**	**19**
COUNTRY TOTAL	**202396**	**1052**	**5910**	**567**	**581**	**316**	**60063**	**270885**	**445**	**271330**	**300012**	**571342**
%	**35.42**	**0.18**	**1.03**	**0.10**	**0.10**	**0.06**	**10.51**	**47.41**	**0.08**	**47.49**	**52.51**	**100**

[Unit: Metric Ton]

Sector	2022-23			2021-22	
	Production	Production Increased/decreased	*Growth Rate (%)*	Production	*Growth Rate (%)*
River	270885	26850	*11.00*	244035	*-2.72*
Sundarbans	445	-242	*-35.23*	687	*-7.54*
Marine Industrial	8138	-2908	*-26.33*	11046	*41.96*
Marine Artisanal	291874	-18951	*-6.10*	310825	*1.64*
Total	**571342**	**4749**	***0.84***	**566593**	***0.25***

Table 3.32. Annual Catch of Marine Fisheries in 2022-23

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	99	2022	0	0	2650	4672
b) Fish Trawler	199	597	948	8138	5597	126682	141365
TOTAL INDUSTRIAL (A)	**232**	**696**	**2970**	**8138**	**5597**	**129332**	**146037**
B. ARTISANAL							
1. Gill Net Fishing							
a) Gill Net/ Trammel Net upto 1000 (m)	11909	16522	0	78340	1802	91602	171744
b) Gill Net/ Trammel Net >1000 (m)	14083	15759	0	187524	6462	38156	232142
SUB TOTAL	**25992**	**32281**	**0**	**265864**	**8264**	**129758**	**403886**
2. Set Bag Net Fishing	**2932**	**23728**	**23876**	**1753**	**544**	**44344**	**70517**
3. Long Line Fishing (Hook & Line)	**93**	**554**	**0**	**0**	**646**	**2547**	**3193**
4. Other Gears/ Traps Fishing	**341**	**2003**	**19917**	**24257**	**0**	**11578**	**55752**
TOTAL ARTISANAL (B)	**29358**	**58566**	**43793**	**291874**	**9454**	**188227**	**533348**
GRAND TOTAL (A+B)	**29590**	**59262**	**46763**	**300012**	**15051**	**317559**	**679385**

- Annual *Growth Rate: -3.77%, (Hilsa: -6.79%, Shrimp: -1.77%, Tuna & Tuna Like Fish: 59.14% and other species: -2.92%)*
- Annual *Growth Rate (Industrial): 6.46%; (Artisanal): -6.24%*
- Tuna & Tuna Like Fish is incorporate separately from 2020-21
- According to Marine Fisheries Act, 2020, New survey was conducted through Sustainable Coastal and Marine Fisheries Project (SCMFP).

Industrial Trawler			Artisanal Boat		
Type of Trawler	No. of Trawler	No. of Gear	Type of Boat (by gear type)	No. of Boat	No. of Gear
Shrimp Trawler	33	99	Gill Net/ Trammel Net upto 1000(m)	11909	16522
Fish Trawler	199	597	Gill Net/ Trammel Net > 1000(m)	14083	15759
			Set Bag Net Fishing	2932	23728
			Long Line Fishing	93	554
			Other Gears/ Traps Fishing	341	2003
Total	**232**	**696**		**29358**	**58566**

Table 3.33. Species-wise Catch of Marine Fisheries in 2022-23

[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	**2970**	**8138**	**5597**	**50783**	**1444**	**0**	**1725**	**5665**	**4928**	**294**	**64493**	**129332**	**146037**
B. ARTISANAL													
1. Gill Net Fishing													
a) Gill net/ Trammel Net upto 1000 (m)	0	78340	1802	56	47543	70	4105	18315	1141	1703	18669	91602	171744
b) Gill net/ Trammel Net > 1000 (m)	0	187524	6462	651	4797	51	3209	12567	4675	448	11758	38156	232142
SUB-TOTAL	**0**	**265864**	**8264**	**707**	**52340**	**121**	**7314**	**30882**	**5816**	**2151**	**30427**	**129758**	**403886**
2. Set Bag Net Fishing													
SBN (All)	23876	1753	544	6	25540	1	2294	5126	1261	81	10035	44344	
SUB-TOTAL	**23876**	**1753**	**544**	**6**	**25540**	**1**	**2294**	**5126**	**1261**	**81**	**10035**	**44344**	**70517**
3. Long Line Fishing													
Hook & Line	0	0	646	0	0	65	0	0	1884	1	597	2547	
SUB-TOTAL	**0**	**0**	**646**	**0**	**0**	**65**	**0**	**0**	**1884**	**1**	**597**	**2547**	**3193**
4. Other Gears/ Traps Fishing													
Other Gears/ Trups	19917	24257	0	4	2618	13	719	1081	1416	824	4903	11578	
SUB-TOTAL	**19917**	**24257**	**0**	**4**	**2618**	**13**	**719**	**1081**	**1416**	**824**	**4903**	**11578**	**55752**
TOTAL ARTISANAL	**43793**	**291874**	**9454**	**717**	**80498**	**200**	**10327**	**37089**	**10377**	**3057**	**45962**	**188227**	**533348**
GRAND TOTAL **(Industrial+Artisanal)**	**46763**	**300012**	**15051**	**51500**	**81942**	**200**	**12052**	**42754**	**15305**	**3351**	**110455**	**317559**	**679385**
%	**6.88**	**44.16**	**2.22**	**7.58**	**12.06**	**0.03**	**1.77**	**6.29**	**2.25**	**0.49**	**16.26**	**46.74**	**100**

Species-wise Annual Shrimp Catch in Marine Fisheries

Sector	Bagda (Tiger)	Harina (Brown)	Chaka (White)	Others	Total	Growth Rate (%)
Trawl Fishing	226	1318	63	1363	**2970**	*-10.03*
Artisanal Fishing	2058	3565	3479	34691	**43793**	*-1.16*
TOTAL	**2284**	**4883**	**3542**	**36054**	**46763**	*-1.77*

Table 3.34. Annual Carp Hatchling Production in 2022-23

Source of Production	No. of Hatchery	Hatchling Production (Kg)	%
1. Natural			
Jamuna River	-	2326	-
Padma River	-	710	-
Arialkha River	-	105	-
Brahmaputra River	-	45	-
Garai/Madhumati River	-	195	-
Surma	-	0	-
Halda River	-	437	-
Natural Total		**3818**	*0.65*
2. Artificial			
Govt. Hatchery	112	16214	*2.77*
Private Hatchery	1007	565275	*96.58*
Artificial Total	**1119**	**581489**	***99.35***
TOTAL	**1119**	**585307**	*100*

Note: *Hatchling of 4-5 days old. Growth rate of Natural Hatchling is 105.82% and Artificial is -7.35%*

Table 3.35. Annual PL (Post Larvae) Production in 2022-23

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 (DoF)	27	0.32	0	0	27	0.32
Govt. Hatchery (BFRI)	1	0.04	0	0	1	0.04
Private Hatchery	13	4.60	47	892.20	60	896.80
TOTAL	**41**	**4.96**	**47**	**892.20**	**88**	**897.16**

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

Table 3.36. Hatchling Production of Government Hatchery in 2023

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 (DoF)											
1. Dhaka	13	737	415	25	100	130	1	46	40	1494	0
2. Mymensingh	9	1181	323	0	180	72	0	20	20	1796	0
3. Khulna	14	2047	663	0	0	0	0	30	65	2805	1.19
4. Barishal	10	396	56	0	10	0	0	0	10	472	0
5. Rangpur	16	1015	702	0	180	280	15	65	50	2307	0.20
6. Rajshahi	17	1455	711	72	81	333	0	35	151	2838	0
7. Chattogram	17	1713	390	5	217	19	80	39	94	2557	1.85
8. Sylhet	7	1047	14	0	0	0	0	20	0	1081	1.60
TOTAL	**103**	**9591**	**3274**	**102**	**768**	**834**	**96**	**255**	**430**	**15350**	**4.84**
* BFRI	9	567	72	24	170	7	2	3	19	864	141
TOTAL	**112**	**10158**	**3346**	**126**	**938**	**841**	**98**	**258**	**449**	**16214**	**145.84**

Table 3.37. Hatchling Production of Private Hatchery in 2022-23

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	58	15235	4304	20	1515	2476	900	619	2371	27440	576
2. Mymensingh	374	28762	20230	440	6025	4010	7828	37401	10729	115425	5142
3. Khulna	84	44465	34610	155	1696	2002	371	434	2449	86182	7001
4. Barishal	35	12808	3027	342	1808	0	98	157	210	18450	742
5. Rangpur	101	28194	23346	170	5702	14779	735	3180	1855	77961	714
6. Rajshahi	199	69741	50599	13650	6418	13622	2514	9868	5498	171910	22880
7. Chattogram	127	30845	13710	5679	946	821	184	67	3769	56021	3103
8. Sylhet	29	6081	3180	0	1153	563	0	0	909	11886	732
TOTAL	**1007**	**236131**	**153006**	**20456**	**25263**	**38273**	**12630**	**51726**	**27790**	**565275**	**40890**

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

* Including BFRI substation's hatchery.

Table 3.38. District-wise Annual Hatchlings Production of Private Hatchery in 2022-23

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	7	3800	1000	0	280	420	0	0	300	5800	1
Faridpur	2	540	320	0	150	360	0	0	0	1370	0
Gazipur	6	1140	0	0	0	0	0	0	0	1140	535
Gopalganj	1	705	210	0	105	190	0	0	0	1210	0
Kishoreganj	16	2700	1455	20	620	40	100	255	1500	6690	6
Madaripur	1	230	100	0	30	45	0	0	0	405	0
Manikganj	4	1950	579	0	15	661	0	0	501	3706	0
Munshiganj	2	1850	0	0	0	0	0	0	70	1920	0
Narayanganj	0	0	0	0	0	0	0	0	0	0	0
Narsingdi	8	0	0	0	20	0	800	364	0	1184	0
Rajbari	3	700	200	0	0	50	0	0	0	950	0
Shariatpur	0	0	0	0	0	0	0	0	0	0	0
Tangail	8	1620	440	0	295	710	0	0	0	3065	34
Dhaka Division	**58**	**15235**	**4304**	**20**	**1515**	**2476**	**900**	**619**	**2371**	**27440**	**576**
Jamalpur	12	1167	715	0	190	535	0	85	45	2737	0
Mymensingh	317	25655	19122	440	5705	3300	7486	32053	9269	103030	4455
Netrakona	36	535	180	0	0	0	342	5223	1395	7675	0
Sherpur	9	1405	213	0	130	175	0	40	20	1983	687
Mymensingh Division	**374**	**28762**	**20230**	**440**	**6025**	**4010**	**7828**	**37401**	**10729**	**115425**	**5142**
Bagerhat	3	311	0	0	0	0	0	0	1406	1717	115
Chuadanga	3	139	121	0	16	0	25	20	130	451	17
Jashore	49	37080	30720	100	1015	1045	346	414	20	70740	810
Jhenaidah	0	0	0	0	0	0	0	0	0	0	0
Khulna	3	3407	1938	0	400	475	0	0	890	7110	3957
Kushtia	0	0	0	0	0	0	0	0	0	0	0
Magura	1	22	30	0	0	0	0	0	3	55	106
Meherpur	2	580	430	0	50	100	0	0	0	1160	0
Narail	1	736	786	0	173	304	0	0	0	1999	0
Satkhira	22	2190	585	55	42	78	0	0	0	2950	1996
Khulna Division	**84**	**44465**	**34610**	**155**	**1696**	**2002**	**371**	**434**	**2449**	**86182**	**7001**
Barguna	2	0	0	0	0	0	0	0	0	0	86
Barishal	15	3730	1265	100	95	0	0	0	210	5400	610
Bhola	8	5015	0	0	0	0	0	0	0	5015	0
Jhalokati	1	410	0	0	40	0	0	0	0	450	0
Patuakhali	8	3653	1762	242	1673	0	98	157	0	7585	34
Pirozpur	1	0	0	0	0	0	0	0	0	0	12
Barishal Division	**35**	**12808**	**3027**	**342**	**1808**	**0**	**98**	**157**	**210**	**18450**	**742**

Cont'd....

District	No. of Hatchery	Hatchling Production (Kg)									Tilapia Juvenile (Lakh)
		Major Carp	Exotic Carp	Pangas	Thai Punti	Bata	Koi	Shingi/ Magur	Other	Total	
Dinajpur	12	3415	1490	120	450	1370	5	50	55	6955	0
Gaibandha	23	6240	2730	50	130	1546	460	1600	775	13531	101
Kurigram	16	3695	4628	0	1131	3675	0	0	0	13129	508
Lalmonirhat	16	5550	4928	0	2370	4145	115	0	140	17248	90
Nilphamari	10	4563	4882	0	423	480	0	85	70	10503	0
Panchagarh	2	500	650	0	50	50	0	0	0	1250	0
Rangpur	22	4231	4038	0	1148	3513	155	1445	815	15345	15
Thakurgaon	0	0	0	0	0	0	0	0	0	0	0
Rangpur Division	**101**	**28194**	**23346**	**170**	**5702**	**14779**	**735**	**3180**	**1855**	**77961**	**714**
Bogura	122	41326	35551	9855	3694	9250	2305	7420	3239	112640	22100
Chapainawabganj	3	550	440	0	10	180	0	0	0	1180	0
Joypurhat	11	4940	2615	255	1450	280	0	1336	1345	12221	0
Naogaon	28	2799	3086	3540	62	725	209	1112	914	12447	0
Natore	9	1235	945	0	45	220	0	0	0	2445	0
Pabna	8	8785	1020	0	410	1033	0	0	0	11248	780
Rajshahi	11	3276	4122	0	249	638	0	0	0	8285	0
Sirajganj	7	6830	2820	0	498	1296	0	0	0	11444	0
Rajshahi Division	**199**	**69741**	**50599**	**13650**	**6418**	**13622**	**2514**	**9868**	**5498**	**171910**	**22880**
Bandarban	1	70	10	0	0	0	0	0	0	80	0
Brahmanbaria	4	1369	896	372	316	540	0	42	52	3587	6
Chandpur	12	2560	450	40	165	50	46	0	0	3311	1035
Chattogram	4	0	0	0	0	0	0	0	0	0	105
Cumilla	57	24086	11611	5077	405	215	138	25	3580	45137	0
Coxes Bazar	16	74	0	0	0	0	0	0	0	74	0
Feni	13	300	30	0	20	0	0	0	0	350	1390
Khagrachhari	1	0	0	0	0	0	0	0	0	0	0
Lakshmipur	7	1355	340	0	0	0	0	0	0	1695	93
Noakhali	12	1031	373	190	40	16	0	0	137	1787	474
Rangamati	0	0	0	0	0	0	0	0	0	0	0
Chattogram Division	**127**	**30845**	**13710**	**5679**	**946**	**821**	**184**	**67**	**3769**	**56021**	**3103**
Habiganj	7	1052	328	0	132	136	0	0	0	1648	0
Moulvibazar	8	4450	2750	0	900	427	0	0	700	9227	700
Sunamganj	3	480	0	0	70	0	0	0	0	550	0
Sylhet	11	99	102	0	51	0	0	0	209	461	32
Sylhet Division	**29**	**6081**	**3180**	**0**	**1153**	**563**	**0**	**0**	**909**	**11886**	**732**
TOTAL	**1007**	**236131**	**153006**	**20456**	**25263**	**38273**	**12630**	**51726**	**27790**	**565275**	**40890**
%	-	*41.77*	*27.07*	*3.62*	*4.47*	*6.77*	*2.23*	*9.15*	*4.92*	*100*	-

➢ **Annual Growth Rate of Hatchlings: -7.60%; Growth rate of Tilapia Juvenile: -15.47%**

Table 3.39. Annual Carp Spawn/Fertilized Eggs Collected from Natural Sources in 2023

District	Upazila	Collection Centre	Name of River	No. of Saver	No. of People engaged	No.of Net used	No.of Boat used	Collection Period	Frequency of Spawning Time	Spawn Collected (kg)	Sale Rate of Spawn Tk/kg
Sirajganj	Sirajganj Sadar	Vatpiary, Panchasona, Parpachil, Rasel Park, MotinSaheber Ghat, 2 no Chaina Bath, Saidabad	Jamuna	63	43	115	15	June to July	3	211	2600
Sirajganj	Shahjadpur	Koijury	Jamuna	1	5	15	1	June to July	2	55	2100
Sirajganj	Chauhali	Ghorjan, Baghutia, Umarpur, Shathal, Bowyal kandi	Jamuna	10	30	36	10	June to July	2	1200	2000
Sirajganj	Belkuchi	Southern Side of PGCL to Aguria, Meherpur, Meghulla, Betilghat	Jamuna	22	90	18	28	May to July	2	750	1200
Sirajganj	Kazirpur	Khudbandi & Kalitola	Jamuna	2	7	12	2	May to June	2	15	2000
Pabna	Bera	Raksha, Nagarbari	Jamuna	10	10	30	4	April to June	3	95	3500
			Jamuna Total	***108***	***185***	***226***	***60***	-	-	***2326***	-
Natore	Lalpur	Lakshmipur, Beelmatia	Padma	0	0	0	0	-	0	0	0
Pabna	Iswardi	Islampur, Chok Rajapur	Padma	0	8	7	7	April to June	3	120	3300
Rajshahi	Ghudaghari	Alipur, Chakpara, Kharijagati	Padma	7	60	35	7	June to July	2	90	4000
Rajshahi	Paba	Shyampur, Sonai Kandi, Talaimari	Padma	19	38	145	15	June to July	2	45	5000
Rajshahi	Chargat	Chalkmakter Par, Yousufpur, Piroz Par, Joint of Padma & Boral River	Padma	40	70	30	30	June to July	2	180	4000
Rajshahi	Bagha	Alaipur, Chand Par, Mirgonj	Padma	10	85	50	10	June to July	2	180	4500
Faridpur	Faridpur Sadar	Dholar Mour, C&B ghat	Padma	6	25	46	15	June to July	2	95	1850
			Padma Total	***82***	***286***	***313***	***84***	-	-	***710***	-
Faridpur	Sadarpur	Gopalpur, Arial Kha	Arial Kha	6	23	44	10	May to June	2	105	1750
			Arialkha Total	***6***	***23***	***44***	***10***	-	***2***	***105***	-
Faridpur	Modhukhali	Kamarkhali Ghat	Gharai/Modhumati	10	24	55	9	June to July	3	75	1600
Magura	Sreepur	Kudla, Gangaramkhali	Gharai Nodi	20	12	20	7	June to July	2	70	2000
Magura	Mohammadpur	Balbu Khali, Dotiadaha, Komorpur	Modhumati	15	11	15	8	June to July	2	50	2200
			Gharai, Modhumati Total	***45***	***47***	***90***	***24***	-	-	***195***	-
Sylhet	Golapgonj	Hajipur	Surma	0	0	0	0	-	-	0	-
			Surma Total	***0***	***0***	***0***	***0***		***0***	***0***	-
Gaibandha	Shagatta	Munshir hat	Brahmaputra& Jamuna	4	10	8	4	June to July	1	25	2000
Gaibandha	Fulchari	Gojaria	Brahmaputra	4	10	8	4	June to July	1	20	2000
			Brahmaputra Total	***8***	***20***	***16***	***8***			**45**	-
Chattogram	Hathazari	Ramdash Hat, Macuya Ghona, Amtua, Azimer Ghat	Halda	67	370	163	192	23-Jun	1	326	50000
Chattogram	Rawzan	Ramdash Hat, Sipahi Ghona, kagotia, Machua Ghona, Amtua, Azimer Ghat, Noyahat,	Halda	100	285	142	120	23-Jun	1	111	50000
			Halda Total	***167***	***655***	***305***	**312**			**437**	-
COUNTRY TOTAL				**416**	**1216**	**994**	**498**			**3818**	-

Table 3.40. Year-wise Annual Export of Fish and Fish Product (*2002-03 to 2022-23*)

[Quantity in Metric Ton] *[Value in* Crore *Taka]* *[1 US Dollar = 108.19 Taka]*

Year	Frozen Shrimp/ Prawn		Live Fish		Frozen Fish		Chilled Fish		Dry fish		Salted/ dehydrated fish		Crab		Shark fin/ Fish Maws		Others		Total		% of Total Export (Value)
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	
2002-03	36864	1719.9	-	-	8846	158.64	-	-	333	7.02	526	19.12	630	14.58	172	22.35	-	-	47371	1941.59	5.10
2003-04	42943	2152.8	-	-	10229	202.24	-	-	472	4.16	377	1.38	116	1.39	4	1.53	-	-	54141	2363.47	5.71
2004-05	46533	2281.6	-	-	15763	256.20	-	-	272	3.71	770	28.97	38	0.86	1	0.39	-	-	63377	2571.72	5.90
2005-06	49317	2698.4	57	0.48	17429	294.14	-	-	150	2.19	591	19.84	1107	12.95	78	0.80	100	1.09	68829	3029.84	4.56
2006-07	53361	2992.3	4	0.07	18376	325.90	-	-	77	1.34	441	12.80	1123	15.48	244	4.11	78	0.86	73704	3352.89	4.90
2007-08	49907	2863.9	10	0.15	23515	495.46	-	-	210	2.67	658	26.97	439	4.88	266	1.82	294	0.41	75299	3396.28	4.04
2008-09	50368	2744.1	0.30	0.006	19294	450.89	-	-	341	11.99	84	3.92	1217	11.98	276	1.77	1308	18.73	72888	3243.41	3.00
2009-10	51599	2885.2	1783	13.22	21464	458.11	-	-	622	25.06	0	0.00	692	10.41	955	12.66	528	3.85	77643	3408.52	2.74
2010-11	54891	3568.2	0.60	0.045	16743	490.00	16369	421.05	623	5.57	577	30.86	4485	54.11	0	0.00	2780	33.97	96469	4603.83	2.73
2011-12	48007	3640.2	0.46	0.04	15513	396.18	19026	520.74	996	9.43	411	27.46	5767	95.77	0	0.00	2758	14.14	92479	4703.94	2.46
2012-13	50333	3376.2	0.00	0.00	11435	316.36	11831	246.86	1278	36.03	0	0.00	7428	169.49	1	0.09	2599	13.93	84905	4158.97	2.01
2013-14	47635	4118.8	0.00	0.00	11677	337.11	5021	89.07	2634	29.67	261	21.65	7707	164.75	0	0.00	2393	15.89	77328	4776.92	2.09
2014-15	44278	3937.60	0.00	0.00	10656	277.63	11629	177.08	2845	36.74	261	25.37	12558	199.38	0	0.00	1297	6.81	83524	4660.60	1.92
2015-16	40726	3598.67	12454	184.28	11133	273.76	7428	163.52	2229	30.12	249	21.03	106	7.09	0	0.00	1013	4.35	75338	4282.82	1.97
2016-17	39705.85	3682.26	12685.98	204.48	8281.23	236.65	4123.55	94.99	2296.69	30.19	206.9	18.57	196.52	15.77	0.16	0.08	808.80	4.65	68305.68	4287.64	1.51
2017-18	36167.77	3527.07	11246.41	202.64	8265.26	276.29	8889.85	214.80	3143.93	42.59	213.62	26.60	188.92	14.89	0.50	0.12	819.46	4.96	68935.72	4309.94	1.50
2018-19	33362.52	3088.85	14592.29	293.69	9742.28	306.99	10364.15	262.04	2339.63	32.95	165.98	18.59	470.23	44.88	2134.23	26.54	0	0	73171.31	4074.52*	1.23
2019-20	30036.18	2948.94	11827	254.30	10008.70	321.76	11906.82	303.25	4141.49	54.21	139.4	15.43	589.50	57.85	2296	29.39	0	0	70945.39	3985.15	1.39
2020-21	30615.14	2730.56	3151.13	63.59	13022.82	419.48	16567.76	522.86	4691.47	62.58	79.43	7.68	6288.21	264.06	2175.73	18.16	0	0	76591.69	4088.96	1.24
2021-22	30571.40	3636.59	2871.54	126.95	8797.38	351.09	17329.51	551.68	3301.54	48.44	33.61	2.69	7729.99	393.86	3407.70	80.46	0	0	74042.67	5191.76	1.05
2022-23	25143.29	2990.88	4660.42**	175.22	9289.28	436.42	17775.00	645.61	2224.62	48.78	39.20	4.01	7452.15	445.19	3296.64	44.23	0	0	69880.60	4790.34	0.80

*Source: EPB (Export Promotion Bureau) and FIQC (Fish Inspection and Quality Control), Department of Fisheries. Note: Chilled fish was included in the column of frozen fish before the year 2010-11and Cuchia has been included in Live Fish since 2015-16. ** Live Fish in 2022-23 (Cuchia 4656.47 MT & Value 174.79 crore taka; Fish 3.95 MT & Value 0.43 crore taka). Crab 7452.15 MT & Value 445.19 crore taka. *4250.31 crore taka (as per EPB data).*

Exported Frozen Shrimp/ Prawn in 2022-23

	Export Amount (MT)	Export Value (Crore Taka)
Galda	4677.28	689.12
Bagda	17409.29	2053.65
Others	3056.72	248.11
Total	25143.29	2990.88

Table 3.41. District wise Total Dry Fish Production of Inland and Marine Fisheries in 2022-23

[Unit: Metric Ton]

No.	District	River	Sun darban	Beel	Flood-plain	Kaptai Lake	Haor	Pond	Seasonal Cultured Water body	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	Inland Total	Marine	Total
1	Dhaka	0	0	0.20	0	0.25	0	0	0	0	0	0	0	0.45	0	**0.45**
2	Faridpur	1.50	0	0	0	6.30	0	0	0	0	0	0	0	7.80	0	**7.80**
3	Gazipur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
4	Gopalganj	0	0	22.00	0	27.50	0	0	0	1.75	0	0	0	51.25	0	**51.25**
5	Kishoreganj	254.00	0	65.50	0	31.50	503.80	10.0	98.00	0	8	20.05	0	990.85	0	**990.85**
6	Madaripur	0.20	0	0.70	0	7.18	0	0	0	0.40	0	0	0	8.48	0	**8.48**
7	Manikganj	0.20	0	0.50	0	1.45	0	0	0	0	0	0	0	2.15	0	**2.15**
8	Munshiganj	0.20	0	1.00	0	12.20	0	0	0	0	0	0	0	13.40	0	**13.40**
9	Narayanganj	0.20	0	0.55	0	0	0	0	0	0	0	0	0	0.75	0	**0.75**
10	Narsingdi	0.30	0	1.00	0	2.20	0	0	0	0	0	0	0	3.50	0	**3.50**
11	Rajbari	0	0	22.00	0	0	0	0	0	0	0	0	0	22.00	0	**22.00**
12	Shariatpur	0.35	0	0	0	0	0	0	0	0	0	0	0	0.35	0	**0.35**
13	Tangail	0.55	0	2.00	0	0.20	0	0	0	0	0	0	0	2.75	0	**2.75**
Dhaka Division		**257.50**	**0**	**115.45**	**0**	**88.78**	**503.80**	**10.0**	**98.00**	**2.15**	**8.00**	**20.05**	**0**	**1103.73**	**0**	**1103.73**
14	Jamalpur	0	0	14.00	0	18.00	0	0	0	0	0	0	0	32.00	0	**32.00**
15	Mymensingh	77.00	0	20.50	0	42.30	0	0	0	0	0	0	0	139.80	0	**139.80**
16	Netrakona	11.68	1.80	58.14	0	56.20	261.9	0	0	0	0	0	0	389.72	0	**389.72**
17	Sherpur	0	0	1.56	0	0	0	0	0.20	0	0	0	0	1.76	0	**1.76**
Mymensingh Division		**88.68**	**1.80**	**94.20**	**0**	**116.50**	**261.90**	**0**	**0.20**	**0**	**0**	**0**	**0**	**563.28**	**0**	**563.28**
18	Bagerhat	0	0	3.95	0	0	0	0	0	0	3.00	0	0	6.95	5153.75	**5160.70**
19	Chuadanga	10.50	0	0	0	0	0	0	0	0	0	0	0	10.50	0	**10.50**
20	Jashore	5.10	0	7.55	0	0	0	0	12.86	4.92	0	0	0	30.43	0	**30.43**
21	Jhenaidah	0.60	0	5.80	0	3.10	0	0	0	5.20	0	0	0	14.70	0	**14.70**
22	Khulna	40.35	29.75	0	0	0	0	0	0	0	0	0	0	70.10	279.00	**349.10**
23	Kushtia	4.70	0	3.10	0	0	0	0	0	0	0	0	0	7.80	0	**7.80**
24	Magura	5.60	0	0	0	0	0	0	0	0	0	0	0	5.60	0	**5.60**
25	Meherpur	9.00	0	0	0	0	0	0	0	0	0	0	0	9.00	0	**9.00**
26	Narail	0	0	63.00	0	0	0	0	0	0	0	0	0	63.00	0	**63.00**
27	Satkhira	18.00	25.00	0	0	0	0	0	18	3	138.0	0	0	202.00	22.00	**224.00**
Khulna Division		**93.85**	**54.75**	**83.40**	**0**	**3.10**	**0**	**0**	**30.86**	**13.12**	**141.0**	**0**	**0**	**420.08**	**5454.75**	**5874.83**
28	Barguna	0	0	0	0	0	0	0	0	0	0	0	0	0	318.94	**318.94**
29	Barishal	12.00	0	3.00	0	12.00	0	0	6.00	0	0	0	0	33.00	0	**33.00**
30	Bhola	40.00	0	0	0	0	0	0	0	0	0	0	0	40.00	320.00	**360.00**
31	Jhalokati	0.30	0	0	0	0	0	0	0	0	0	0	0	0.30	0	**0.30**
32	Patuakhali	0	0	0	0	0	0	0	0	0	0	0	0	0	354.00	**354.00**
33	Pirojpur	0	0	0	0	0	0	0	0	0	0	0	0	0	140.00	**140.00**
Barishal Division		**52.30**	**0**	**3.00**	**0**	**12.00**	**0**	**0**	**6.00**	**0**	**0**	**0**	**0**	**73.30**	**1132.94**	**1206.24**

Cont'd....

[Unit: Metric Ton]

No.	District	River	Sun dar ban	Beel	Flood-plain	Kaptai Lake	Haor	Pond	Seasonal Cultured Water body	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	Inland Total	Marine	Total
34	Dinajpur	1.40	0	1.35	0	0.80	0	1.80	0.40	0	0	0	0	5.75	0	5.75
35	Gaibandha	1.63	0	2.00	0	1.25	0	0.35	1.93	0	0	0	0	7.16	0	7.16
36	Kurigram	2.00	0	2.60	0	4.40	0	0	0	0	0	0	0	9.00	0	9.00
37	Lalmonirhat	0.08	0	0.70	0	0.33	0	0	0	0	0	0	0	1.11	0	1.11
38	Nilphamari	0.43	0	0.44	0	0.42	0	0.33	0.34	0	0	0	0	1.96	0	1.96
39	Panchagarh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Rangpur	0.91	0	2.01	0	3.02	0	0	0	0	0	0	0	5.94	0	5.94
41	Thakurgaon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rangpur Division		**6.45**	**0**	**9.10**	**0**	**10.22**	**0**	**2.48**	**2.67**	**0**	**0**	**0**	**0**	**30.92**	**0**	**30.92**
42	Bogura	0.25	0	0.65	0	2.25	0	0	0	0	0	0	0	3.15	0	3.15
43	C.nawabganj	0	0	0.28	0	0	0	0	0	0	0	0	0	0.28	0	0.28
44	Joypurhat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Naogaon	10.00	0	104.30	0	32.00	0	0	0	0	0	0	0	146.30	0	146.30
46	Natore	34.00	0	53.00	0	231.00	0	0	0	0	0	0	0	318.00	0	318.00
47	Pabna	0	0	48.00	0	0	0	0	0	0	0	0	0	48.00	0	48.00
48	Rajshahi	3.00	0	15.65	0	0	0	0	0	0	0	0	0	18.65	0	18.65
49	Sirajganj	21.45	0	51.20	0	168.08	0	0	0.65	0	0	0	0	241.38	0	241.38
Rajshahi Division		**68.70**	**0**	**273.08**	**0**	**433.33**	**0**	**0**	**0.65**	**0**	**0**	**0**	**0**	**775.76**	**0**	**775.76**
50	Bandarban	0.25	0	0	0	0	0	0	0	0	0	0	0	0.25	0	0.25
51	Brahmnbaria	73.00	0	41.00	0	2320.0	252.00	0	0	0	0	0	0	2686.00	0	2686.00
52	Chandpur	2.40	0	0	0	22.50	0	0	1.40	0	0	0	0	26.30	0	26.30
53	Chattogram	0	0	0	0	0	0	0	0	0	0	0	0	0	3180.00	3180.00
54	Cumilla	22.87	0	15.00	0	1.59	0	2.12	0	0	0	0	0	41.58	0	41.58
55	Cox's Bazar	0	0	0	0	0	0	0	0	0	0	0	0	0	48285.0	48285.00
56	Feni	30.00	0	0	0	40.00	0	0	0	0	0	0	0	70.00	0	70.00
57	Khagrachhari	0.25	0	0	0	0	0	0	0	0	0	0	0	0.25	0	0.25
58	Lakshmipur	20.00	0	0	0	2.00	0	0	0	0	0	0	0	22.00	0	22.00
59	Noakhali	45.00	0	0	0	0	0	0	0	0	0	0	0	45.00	1435.00	1480.00
60	Rangamati	0	0	0	65.70	0	0	0	0	0	0	0	0	65.70	0	65.70
Chattogram Division		**193.77**	**0**	**56.00**	**65.70**	**2386.09**	**252.00**	**2.12**	**1.40**	**0**	**0**	**0**	**0**	**2957.08**	**52900.0**	**55857.08**
61	Habiganj	40.00	0	247.00	0	840.00	381.00	112.0	0	0	0	0	0	1620.00	0	1620.00
62	Moulvibazar	0.50	0	11.85	0	5.00	49.90	0	1.05	0	0.65	0	0	68.95	0	68.95
63	Sunamganj	18.50	0	1105.00	0	187.00	1182.20	33.00	1.03	0	0	0	0	2526.73	0	2526.73
64	Sylhet	116.00	0	123.00	0	0	0	0	0	0	0	0	0	239.00	0	239.00
Sylhet Division		**175.00**	**0**	**1486.85**	**0**	**1032.00**	**1613.10**	**145.00**	**2.08**	**0**	**0.65**	**0**	**0**	**4454.68**	**0**	**4454.68**
TOTAL		**936.25**	**56.55**	**2121.08**	**65.70**	**4082.02**	**2630.80**	**159.60**	**141.86**	**15.27**	**149.65**	**20.05**	**0**	**10378.83**	**59487.69**	**69866.52**

Table 3.42. Sector-wise Annual Fish Production (2007-08 to 2022-23)

[Unit: Metric Ton]

Year	Capture					Culture							Marine		Total	Growth Rate (%)
	River	Sundar bans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal Cultured Waterbody	Baor	Shrimp	Crab	Pen Culture	Cage Culture	Marine Industrial	Marine Artisanal		
2007-08	136812	18151	77524	8248	786515	866049	-	4778	134715	-	-	-	34159	463414	2563296	5.05
2008-09	138160	18462	79200	8590	843671	912178	-	5038	145585	-	-	-	35429	479215	2701370	5.39
2009-10	141148	20437	79209	7336	781807	1140484	46902	8727	155866	-	-	-	34182	483100	2899198	7.32
2010-11	144566	22451	81564	8980	797024	1219736	51230	4864	184939	-	-	-	41665	504668	3061687	5.60
2011-12	145613	21610	85208	8537	696127	1392412	132163	5186	196306	-	-	-	73386	505234	3261782	6.54
2012-13	147264	15945	87902	9017	701330	1446594	200833	6146	206235	-	-	-	73030	515958	3410254	4.55
2013-14	167373	18366	88911	8179	712976	1526160	193303	6514	216447	-	13054	1447	76885	518500	3548115	4.04
2014-15	174878	17580	92678	8645	730210	1613240	201280	7267	223582	-	13070	1969	84846	515000	3684245	3.84
2015-16	178458	16870	95453	9589	747872	1719783	207658	7729	239798	13160	13364	2062	105348	521180	3878324	5.27
2016-17	271639	18086	98117	9982	765782	1833118	215547	8002	246406	14421	13368	2490	108479	528997	4134434	6.60
2017-18	320598	18225	99197	10152	768367	1900298	216353	8072	254367	11787	11015	3523	120087	534600	4276641	3.44
2018-19	325478	18282	99890	10578	781481	1974632	217340	10343	258039	12084	12361	3802	107236	552675	4384221	2.52
2019-20	331793	21007	103104	12696	779801	2046258	225948	10969	270114	12562	13425	4590	115354	555750	4503371	2.72
2020-21	337051	21544	104871	12345	825433	2090787	226608	11319	278417	12337	14282	4995	119121	562118	4621228	2.62
2021-22	342545	24259	105573	17937	831317	2166715	231692	11685	287497	13397	15063	5021	137170	568860	4758731	2.98
2022-23	389035	26047	108625	17056	842520	2272667	231582	12158	301103	12881	16402	5254	146037	533348	4914715	3.28

Note: From FY 2013-14, a part of Floodplain area is converted into Pen Culture for modern aqua-culture system

Table 3.43. Species-wise Annual Fish Production (2007-08 to 2022-23)

[Unit: Metric Ton]

Sl. No.	Species/Group	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	Major Carp	617761	692597	753572	777005	731662	728695	755074	750880	811588	846397	875624	962049	975531	1013812	1084397
2	Other Carp	11155	64359	55021	60356	54130	80138	80997	80647	100730	111373	116130	125565	129237	133465	144584
3	Exotic Carp	305938	376006	265375	299494	402490	389642	363737	357933	409801	454078	476761	503224	516969	528788	545141
4	Pangas (Catfish)	-	-	-	-	-	371068	406818	504674	510097	453383	458307	405059	402298	406185	403283
5	Other Catfish	117856	208972	221965	288887	360722	81536	64537	65130	66646	68850	69636	69389	73180	73639	76000
6	Snake Head	122093	113989	117577	89351	53305	60282	69305	70106	72991	73358	75147	74368	78468	79313	81092
7	Live Fish	77113	101368	94000	95063	102651	115185	133512	136113	127120	144007	152241	160068	166204	176682	184314
8	Tilapia	-	-	-	-	-	298062	347801	377346	370017	381215	390559	371263	392095	407359	421191
9	Other Inland fish	646085	575620	710853	763668	835457	524488	542711	568446	598923	554558	562585	592404	625286	647585	666642
10	Hilsa	298921	313753	339845	346512	351223	385140	387211	394951	496417	517198	532795	550428	565183	566593	571342
11	Shrimp/Prawn	244972	186418	239460	252523	228769	223788	230244	234188	246774	247304	239855	241281	251964	261154	271302
12	Crab	-	-	-	-	-	-	-	13160	14421	11787	12084	12562	12337	13397	12881
13	Sarpunti	-	-	-	-	-	-	-	-	-	91792	95649	98565	101932	104718	112280
14	Cuchia	-	-	-	-	-	-	-	-	-	-	-	13424	9195	9488	7656
15	Sardine	-	-	-	20187	29636	27590	32835	44386	48704	41486	28256	16814	34519	38432	51500
16	Bombay Duck	58263	58464	60750	62817	71745	51673	53950	58545	69230	75085	68101	70749	71922	82660	81942
17	Indian Salmon	7733	7733	4521	3030	2445	1960	1020	895	775	487	295	177	163	199	200
18	Pomfret	46643	50245	40478	39537	29693	23355	11437	10593	10686	11899	11004	10023	9214	11480	12052
19	Jew Fish	38414	35514	36639	37929	30600	36170	31826	31894	33768	35427	41600	41943	48665	41356	42754
20	Sea Catfish	16515	16722	17193	19700	8594	9719	9476	8695	8424	9455	11455	13610	12199	14566	15305
21	Shark/Skate/Ray	3933	4794	4205	3865	5017	5648	5093	4622	4495	3974	4274	3373	8228	7017	3351
22	Tuna and Tuna like fish	-	-	-	-	-	-	-	-	-	-	-	-	22130	9458	15051
23	Other Marine Fish	87975	92644	100233	101858	112115	133976	156661	165120	132827	143527	161861	167033	114309	131385	110455
TOTAL		**2701370**	**2899198**	**3061687**	**3261782**	**3410254**	**3548115**	**3684245**	**3878324**	**4134434**	**4276640**	**4384221**	**4503371**	**4621228**	**4758731**	**4914715**

Note: Pangas was included in Group of Catfish (SL-5) and Tilapia was included in Group of Other Inland Fish (SL-9) before 2013-14; Cuchia Production is incorporated from 2019-20.

Table 3.44. Fish Production Trend (1983-84 to 2022-23)

Sector of Fisheries	Production (MT)										Growth Rate % (2022-23)
	1983-84	1993-94	2003-04	2013-14	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	
A. Inland Fisheries											
1. River and Estuary	207766	143425	137337	167373	320598	325478	331793	337051	342545	389035	13.57
2. Sundarbans	7783	7127	15242	18366	18225	18282	21007	21544	24259	26047	7.37
3. Beel	51373	55592	74328	88911	99197	99890	103104	104871	105573	108625	2.89
4. Kaptai Lake	4057	6635	7238	8179	10152	10578	12696	12345	17937	17056	-4.91
5. Floodplain	200616	360597	497922	712976	768367	781481	779801	825433	831317	842520	1.35
Capture Total	**471595**	**573376**	**732067**	**995805**	**1216539**	**1235709**	**1248401**	**1301244**	**1321631**	**1383283**	**4.66**
6. Pond	107944	222542	795810	1526160	1900298	1974632	2046258	2090787	2166715	2272667	4.89
7. Seasonal Cultured Waterbody	0	0	0	193303	216353	217340	225948	226608	231692	231582	-0.05
8. Baor	862	2201	4282	6514	8072	10343	10969	11319	11685	12158	4.05
9. Shrimp/Prawn Farm	8219	39447	114660	216447	254367	258039	270114	278417	287497	301103	4.73
10. Crab	0	0	0	0	11787	12084	12562	12337	13397	12881	-3.85
11. Pen Culture	0	0	0	13054	11015	12361	13425	14282	15063	16402	8.89
12. Cage Culture	0	0	0	1447	3523	3802	4590	4995	5021	5254	4.64
Culture Total	**117025**	**264190**	**914752**	**1956925**	**2405415**	**2488601**	**2583866**	**2638745**	**2731070**	**2852047**	**4.43**
Inland Fisheries Total (A)	**588620**	**837566**	**1646819**	**2952730**	**3621954**	**3724310**	**3832267**	**3939989**	**4052701**	**4235330**	**4.51**
B. Marine Fisheries											
13. Industrial (Trawler Fishing)	14500	12454	32606	76885	120087	107236	115354	119121	137170	146037	6.46
14. Artisanal	150382	240590	422601	518500	534600	552675	555750	562118	568860	533348	-6.24
Marine Fisheries Total (B)	**164882**	**253044**	**455207**	**595385**	**654687**	**659911**	**671104**	**681239**	**706030**	**679385**	**-3.77**
Total Fish Production (A+B)	**753502**	**1090610**	**2102026**	**3548115**	**4276641**	**4384221**	**4503371**	**4621228**	**4758731**	**4914715**	**3.28**

Annexure - 1

Schedules of Fish Catch Assessment Survey

Fisheries Resources Survey System
Department of Fisheries
Bangladesh

Riverine Fisheries

River-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF RIVER

Number of Fishing Units (Survey Form -1)

1. River----------Code ☐ Date ☐☐☐
2. District----------Code ☐
3. Upazila---------- Name of Officer ----------
4. Union----------
5. Village---------- Code ☐

Sl. No.	Name of gear used			Number of fishing units operated			Number of sample fishing units
	Local Name	Type	Code	Local	Immigrant	Total	

Signature and Seal

River-2

Government of the People's Republic of Bangladesh

Fisheries Resources Survey System

Department of Fisheries

CATCH ASSESSMENT SURVEY OF RIVER
Sample Catch Record (Survey Form - 2)

1. River----------Code ☐ **Date** ☐☐☐☐

2. District----------Code ☐

3. Upazila---------- ***Name of Officer***----------

4. Union---------- 5. Village---------- Code ☐

6. Type of gear used---------- Code ☐

7. Number of fishing units operates ☐ 8. Number of sample units ☐

9. Raising Factor **(Fishing unit operated / sample unit)** ----------

Sample catch observed		1	2	3	4	5	**Total Catch**	**Estimated Total Catch of Sample Village**	**Producer Price in Tk/Kg**
Name of head fisherman									
Number of fishermen on the boat									
Local name of gear used									
Code	Species	Kg	Kg	Kg	Kg	Kg	Kg	Kg	
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Ghonia								
07	Pangas								
08	Boal/Ayre								
09	Shol/Gazar/Taki								
10	Koi								
11	Shingi/Magur								
12	Sarpunti								
13	Other Inland Fish								
14	Hilsa/Ilish								
15	Galda								
16.	Bagda								
17	Harina								
18	Chaka								
19	Cuchia								
20	Other small shrimp/prawn								
Total									

Remarks: Estimated total catch of sample village for sample day = Total Catch × Raising Factor.

Signature and Seal

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

River-3

CATCH ASSESSMENT SURVEY OF RIVER
Monthly Summary Sheet
(Principal River / Other River)

1. River ----------Code ☐ Month ----------Year----------

2. District ----------Code ☐

3. Upazila---------- Name of Officer ----------

4. Total Boat of District----------

5. Total Boat of Sample Villages

	Name of Sample Village	No. of Boat of Sample Village
(a)		
(b)		
(c)		
(d)		
	Total	

6. District Raising Factor = District Total Boat of the River/Total Boat of Sample Villages ----------

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

Code No.	Name of Species	Average Total Catch for One Day			District Total Catch for the Month
		Estimated Total of Sample-1	Estimated Total of Sample-2	Average Total	
		(A)	(B)	(A+B)/2	
		Kg	Kg	Kg	MT
1	Rui				
2	Catla				
3	Mrigal				
4	Kalibaus				
5	Bata				
6	Ghonia				
7	Pangas				
8	Boal/Ayre				
9	Shol/Gazar/Taki				
10	Koi				
11	Shingi/Magur				
12	Sarpunti				
13	Other Inland Fish				
14	Hilsa/Ilish				
15	Galda				
16	Bagda				
17	Harina				
18	Chaka				
19	Cuchia				
20	Other small shrimp/prawn				
	Total				

Remarks: A = Estimated total catch for beginning of the month.
B = Estimated total catch for ending of the month.

Signature and Seal

River-4

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF RIVER

Yearly Summary Sheet (Principal River / Other River)

1. River---------- Code [ ] Year---------- 2. District---------- Code [ ] Name of Officer----------

(Figure in Metric Ton)

Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total
01	Rui													
02	Catla													
03	Mrigal													
04	Kalibaus													
05	Bata													
06	Ghonia													
07	Pangas													
08	Boal/Ayre													
09	Shol/Gazar/Taki													
10	Koi													
11	Shingi/Magur													
12	Sarpunti													
13	Other Inland Fish													
14	Hilsa/Ilish													
15	Galda													
16	Bagda													
17	Harina													
18	Chaka													
19	Cuchia													
20	Other small shrimp/ prawn													
	Total													

Signature and Seal

Pond Fisheries

Pond-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

Form P1: Listing of Ponds

1. District----------2. Upazila---------- Date: ----------

3. Union---------- 4. Village ----------Name of Officer----------

Sl. No.	Name of Owner	Location of Pond	Water Area (Ha)	Culture Method				Remarks
				Extensive	Semi-intensive	Intensive	Highly intensive	
1	2	3	4	5	6	7	8	9

Signature and Seal

Pond-2

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

IDENTIFICATION AND GENERAL INFORMATION OF POND

1. District---------- 2. Upazila----------

3. Union---------- 4. Village----------

Name of Investigator----------Date: ----------

5. General Information:

(a)	Ownership	Government/ Private/Other Organization
(b)	Name of owner	----------
(c)	Water area (Ha)	Winter season---------- Rainy season---------- Dry season----------
(d)	Average Depth (meter)	Winter season---------- Rainy season---------- Dry season----------
(e)	Embankment Condition	Complete Broken Opening
(f)	Vegetation	Floating vegetation covered----------% Sub-merged vegetation covered----------%
(g)	Culture Method	Extensive Semi-intensive Intensive Highly-intensive

Note:

Extensive :< *1.5MT/Ha* Semi-intensive: *1.5-4 MT/Ha*

Intensive :> *4-10MT/Ha* Highly intensive: *>10 MT/Ha*

Signature and Seal

Pond - 3

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF POND

1. District---------- Code [ ] 2. Upazila ---------- 3. Union----------
4. Village ---------- 5. Name of Owner----------
6. Name of Farmer/Operator---------- 7. Water Area---------- (Ha)
8. Average Depth---------- (Meter) 9. Tenure: Owned/Rented
10. Type of Pond: **Extensive/ Semi-intensive/ Intensive/ Highly-intensive Pond**

11. Stocking of Fry

Species	July - December		January – June		Total Tk.
	Number	Size (cm)	Number	Size (cm)	
Rui					
Catla					
Mrigal					
Kalibaus					
Bata					
Silver Carp					
Grass Carp					
Mirror/Common Carp					
Pangas					
Koi/Shingi/Magur					
Gulda/Bagda					
Tilapia					
Thai Punti					
Others					
Total					

12. Fertilizer & Feeding

Item	July - December		January – June		Total Tk.
	Quantity (Kg).	Tk.	Quantity (Kg).	Tk.	
Chemical Fertilizer					
Lime					
Feed					
Total					

13. Other Cost

Item	July - December	January – June	Total Tk.
	Tk.	Tk.	
Management Cost			
Maintenance Cost			
Harvesting Cost			
Rent			
Total			
Total Cost (11+12+13)			

Note:

Extensive :< *1.5MT/Ha*
Intensive :> *4 – 10MT/Ha*
Semi-intensive: *1.5-4 MT/Ha*
Highly-intensive: *>10 MT/Ha*

Signature and Seal

MONTHLY CATCH ASSESSMENT SURVEY OF POND

Species Code	Species	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Average Selling Rate	Total Price
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Tk/Kg	Tk
01	Rui															
02	Catla															
03	Mrigal															
04	Kalibaus															
05	Bata															
06	Ghonia															
07	Silver Carp															
08	Grass Carp															
09	Mirror/Common Carp															
10	Other Exotic Carp															
11	Pangas															
12	Boal/Ayre															
13	Shol/ Gazar/Taki															
14	Koi															
15	Shingi/ Magur															
16	Big shrimp/prawn															
17	Small shrimp/prawn															
18	Tilapia/Nilotica															
19	Sarpunti/Thai Sharpunti															
20	Cuchia															
21	Other Inland Fish															
	Total															

Total Cost- ----------Tk Production cost per kg of fish----------Tk/Kg Total selling price ----------Tk.

Selling Price per kg of fish----------Tk/Kg Total Production----------Kg Production per Ha----------Kg/Ha

Total Feed Used----------Kg Food Conversion Rate---------- (Feed Used / Fish Produced)

Signature and Seal

Pond - 4

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

UPAZILA-WISE SAMPLE CATCH RECORD OF POND

District: Upazila: Year:

1. Type of Pond	Extensive	Semi-intensive	Intensive	Highly Intensive	Average Price (Tk/Kg)
2. Production Range	*<1.5MT/Ha*	*1.5-4 MT/Ha*	*>4-10MT/Ha*	*>10 MT/Ha*	
3. Name of Farmer					
4. Water Area (Ha)					
5. Total Fry Stocking (No)					
6. Chemical Fertilizer (Kg)					
7. Feed Used (Kg)					
8. Yearly Production (Kg)	(Kg)	(Kg)	(Kg)	(Kg)	(Tk/Kg)
(01) Rui					
(02) Catla					
(03) Mrigal					
(04) Kalibaus					
(05) Bata					
(06) Ghonia					
(07) Silver Carp					
(08) Grass Carp					
(09) Mirror/Common Carp					
(10) Other Exotic Carp					
(11) Pangas/Thai Pangas					
(12) Boal/Ayre					
(13) Shol/ Gazar/Taki					
(14) Koi					
(15) Shingi/ Magur					
(16) Big shrimp/prawn					
(17) Small shrimp/prawn					
(18) Tilapia/Nilotica					
(19) Thai Sarpunti					
(20) Cuchia					
(21) Other Inland Fish					
Total					
Unit Production MT/Ha					

Signature and Seal

Beel Fisheries

Beel- 1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL

(Identification and general information of Beel)

1. District---------- **2. Upazila** ----------
3. Union---------- **4. Village**----------
Year ---------- **Name of Officer**----------

5. General Information:

(a)	Name of Beel	----------
(b)	Water area (Ha)	Winter season ----------
		Rainy season ----------
		Dry season ----------
(c)	Average Depth (meter)	Winter season ----------
		Rainy season ----------
		Dry season ----------
(d)	Link with other water body	River/ Cannel/ Beel/None
(e)	Leasing arrangement	Fisherman co-operative
		Private party
		Other organization
(f)	Vegetation	Floating vegetation covered----------%
		Sub-merged vegetation covered----------%
(g)	Description of development work recently done	Re-excavation
		Construction of embankment
		Clearance of vegetation
(h)	Fry stocking by	Beel Nursery Project
		Fry released program
		Leasing party
		None
(i)	Fishing Period	From----------to ----------
(j)	Fishing Method	Katta Fishing
		Other Fishing
		Both
(k)	Number of kata(if any)	No.----------

Signature and Seal

Beel- 2

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
Catch Data of Sample Day

1. District---------- Code [ ] Date [ ][ ][ ]

2. Upazila----------3. Union----------

Name of Officer---------- 4. Type of fishing: Katta [ ] Others [ ]

5. Name of Beel---------- 6. Water area in winter season ----------Ha

7. Type of gear used

Name of Gear	Total Unit	Sample Unit	Raising Factor

8. Sample catch data observed in Kg

Name of Head Fisherman/Catcher :									
Name of Gear									
Species Code	Species	Previous day	Sample day	Previous day	Sample day	Previous day	Sample day	Previous day	Sample day
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Gonia								
07	Silver Carp								
08	Grass Carp								
09	Mirror/Com Carp								
10	Other Exotic Carp								
11	Pangas								
12	Boal/Ayre								
13	Shol/ Gazar/Taki								
14	Koi								
15	Shingi/ Magur								
16	Big shrimp/prawn								
17	Small shrimp/prawn								
18	Tilapia/Nilotica								
19	Sarpunti/Thai Punti								
20	Cuchia								
21	Other Inland Fish								
	Total								

Remarks: **Raising Factor = Total Unit operated / Sample Unit**

Signature and Seal

Beel- 3

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
Estimated Total Catch of Sample Day

1. District---------- Code [ ] Date: [ ] [ ] [ ]

2. Upazila---------- 3. Union----------

4. Name of Beel---------- Name of Officer----------

5. Water area in winter season ----------Ha 6. Type of fishing: Kata [ ] Others [ ]

7. Type of gear used

Name of Gear	Total Unit	Sample Unit	Raising Factor

8. Estimated total catch of sample day in Kg

Name of Gear										Estimated total catch of sample day (Kg)
Species Code	**Species**	Average catch	Total catch	Average catch	Total catch	Average catch	Total catch	Average catch	Total catch	
01	Rui									
02	Catla									
03	Mrigal									
04	Kalibaus									
05	Bata									
06	Ghonia									
07	Silver Carp									
08	Grass Carp									
09	Mirror/Com Carp									
10	Other Exotic Carp									
11	Pangas									
12	Boal/Ayre									
13	Shol/ Gazar/Taki									
14	Koi									
15	Shingi/ Magur									
16	Big shrimp/prawn									
17	Small shrimp/prawn									
18	Tilapia/Nilotica									
19	Sarpunti/Thai Punti									
20	Cuchia									
21	Other Inland Fish									
	Total=									

Remarks: Average catch = (Catch of previous day + Catch of Sample Day)/2
Total catch = Average catch of each gear ×Raising Factor of corresponding gear
Estimated total catch of sample day = Total catch of all Gear

Signature and Seal

Beel- 4

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
Catch Data of Other Fishing and Estimated Total Catch

1. District ---------- Code ☐
2. Upazila ---------- 3. Union----------
4. Name of Beel---------- Name of Officer ----------
5. Water area in winter season ----------Ha 6. Type of fishing: Katta ☐ Others ☐
7. Fishing period: from----------to ---------- = ----------days (N)
8. Number of sample days ---------- (n)
9. Raising Factor: N/n

Species Code	Species	Estimated total catch of sample days (kg)						Sample (Total kg)	Estimated total catch for season (kg)
		1st day	2nd day	3rd day	4th day	5th day	6th day		
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Ghonia								
07	Silver Carp								
08	Grass Carp								
09	Mirror/Common Carp								
10	Other Exotic Carp								
11	Pangas								
12	Boal/Ayre								
13	Shol/ Gazar/Taki								
14	Koi								
15	Shingi/ Magur								
16	Big shrimp/prawn								
17	Small shrimp/prawn								
18	Tilapia/Nilotica								
19	Sarpunti/Thai Sharpunti								
20	Cuchia								
21	Other Inland Fish								
	Total								

Remarks: Estimated **total catch for whole season = Sample Total × Raising Factor**

Signature and Seal

Beel- 5

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
Catch Data of Katta Fishing and Estimated Total Catch

1. District---------- Code ☐

2. Upazila---------- 3. Union----------

4. Name of Beel---------- Name of Officer ----------

5. Water area in winter season ----------Ha

6. Type of fishing: Katta ☐ Others ☐

7. Total number of kata for whole season---------- (N)

8. Number of sample kata observed ---------- (n)

9. Raising Factor = N/n = ----------

Species Code	Species	Catch of Sample Kata observed (kg)						Sample Total (kg)	Estimated total catch for season (kg)
		1	2	3	4	5	6		
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Ghonia								
07	Silver Carp								
08	Grass Carp								
09	Mirror/Common Carp								
10	Other Exotic Carp								
11	Pangas								
12	Boal/Ayre								
13	Shol/ Gazar/Taki								
14	Koi								
15	Shingi/ Magur								
16	Big shrimp/prawn								
17	Small shrimp/prawn								
18	Tilapia/Nilotica								
19	Sarpunti/Thai Sharpunti								
20	Cuchia								
21	Other Inland Fish								
	Total								

Signature and Seal

Beel- 6

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
ESTIMATED TOTAL CATCH FOR THE WHOLE SEASON

1. District---------- Code [ ] Year----------

2. Upazila---------- 3. Union----------

4. Name of Beel---------- Name of Investigator----------

5. Water area in winter season ---------- Ha

Species Code	Species	Estimated total catch for the whole season (kg)		
		Other Fishing	Katta Fishing	Total catch
01	Rui			
02	Catla			
03	Mrigal			
04	Kalibaus			
05	Bata			
06	Ghonia			
07	Silver Carp			
08	Grass Carp			
09	Mirror/Common Carp			
10	Other Exotic Carp			
11	Pangas			
12	Boal/Ayre			
13	Shol/ Gazar/Taki			
14	Koi			
15	Shingi/ Magur			
16	Big shrimp/prawn			
17	Small shrimp/prawn			
18	Tilapia/Nilotica			
19	Sarpunti/Thai Sharpunti			
20	Cuchia			
21	Other Inland Fish			
Total				

Production per Hectare----------Kg/Ha

Signature and Seal

Shrimp Farm Fisheries

Form-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF SHRIMP/ PRAWN FARM

1. District---------- Code [ ] 2. Upazila----------

3. Union----------4. Mouza/Village----------Name of Officer----------

5. Name of Farm/ Owner---------- Name of Farmer/ Operator----------

6.Year---------- 7.Water Area---------- (Ha) 8. Average Depth---------- (Meter)

9. Type of Culture **(1) Exclusively shrimp/prawn** [ ] **(2) Mixed** [ ]

10. Stocking of Fry/Juvenile

Category	Species	July - December		January – June		Total Tk.
		Number	Size (cm)	Number	Size (cm)	
Shrimp/ Prawn	(1) Bagda					
	(2) Harina					
	(3) Chaka					
	(4) Galda					
	(5) Natural Input					
	Shrimp/Prawn Total					
Fish	(6) Rui					
	(7) Catla					
	(8) Mrigal					
	(9) Kalibaus					
	(10) Bata					
	(11) Ghonia					
	(12) Silver Carp					
	(13) Grass Carp					
	(14) Mirror/Common Carp					
	(15) Other Exotic Carp					
	(16) Pangas					
	(17) Koi/Shingi/Magur					
	(18) Tilapia					
	(19) Thai Punti					
	(20) Others					
	Fish Total					

Signature and Seal

MONTHLY CATCH ASSESSMENT SURVEY OF SHRIMP/PRAWN FARM

Form-2

Species Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Av. Price Tk
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	
1	Bagda														
2	Harina														
3	Chaka														
4	Galda														
5	Other Shrimp/Prawn														
	Shrimp/Prawn Total														
6	Rui														
7	Catla														
8	Mrigal														
9	Kalibaus														
10	Bata														
11	Ghonia														
12	Silver Carp														
13	Grass Carp														
14	Mirror/Common Carp														
15	Other Exotic Carp														
16	Pangas														
17	Boal/Ayre														
18	Shol/ Gazar/Taki														
19	Koi/														
20	Shingi/ Magur														
21	Tilapia/Nilotica														
22	Thai Sharputi														
23	Other Fish														
	FishTotal														
	Grand Total														

Total Production---------- MT

Production per Ha----------MT/Ha

Signature and Seal

Annual Production of Shrimp and Crab for 2021-22 (Financial Year)

Name of Division:
Name of District:

Area in Hectare *Production in Metric Ton*

Sl. No.	Name of Upazila	Shrimp/Prawn Farm											Crab		Remarks
		Golda Farm				Bagda Farm					Total				
		Area	Production			Area	Production				Area	Production			
			Golda	Other Shrimp	Fish		Bagda	Golda	Other Shrimp	Fish			Area	Production	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Total														

Signature and Seal

Subsistence/Floodplain Fisheries

Form-S1/F1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

LIST OF HUNDRED HOUSEHOLD

Sl No.	Head of Household	Location	Fishing Ground	Fishing Season												Remarks
				J	A	S	O	N	D	J	F	M	A	M	J	
1.																
2.																
3.																
4.																
5.																
100.																

Fishing ground: large river, small river, pond, beel, baor, shrimp farm, canal, creek, ditch, swamp, paddy field or flood water.

Signature and Seal

Form-S2/F2

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF SUBSISTENCE FISHING

1. District---------- Code ☐ Year---------- Month----------
2. Upazila---------- 3. Union----------
4. Village---------- Name of Officer----------
5. Name of head of household---------- 6. Number of members of household ☐
7. Number of total catchers ☐ 8. Number of adult catchers ☐
9. Number of children catcher (under 12 years) ☐

10. Monthly data on subsistence fishing

Month (Delete unused)		July/ January	August/ February	September / March	October/ April	November/ May	December/ June	Remarks
Caught fish Yes/No								
Fishing ground								
Type of gear								
Number of fishing days								
Average number of catchers								
Species Code	Catch in previous fishing day by species	kg	kg	kg	kg	kg	kg	Total
01	Rui							
02	Catla							
03	Mrigal							
04	Kalibaus							
05	Bata							
06	Ghonia							
07	Silver Carp							
08	Grass Carp							
09	Mirror/Common Carp							
10	Other Exotic Carp							
11	Pangas							
12	Boal/Ayre							
13	Shol/ Gazar/Taki							
14	Koi							
15	Shingi/ Magur							
16	Big shrimp/prawn							
17	Small shrimp/prawn							
18	Tilapia/Nilotica							
19	Sarpunti/Thai Sharpunti							
20	Cuchia							
21	Other Inland Fish							
	Total							

Fishing Ground: large River, Small River, pond, beel, baor, canal, ditch, swamp, paddy field or flood water.

Signature and Seal

Baor Fisheries

Baor-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BAOR

1. District---------- Code

2. Upazila---------- Year ----------

3. Name of Baor---------- Name of Officer----------

4. Name of Organization/ Manager----------

5. Water Area in 1st January ---------- (Ha) 6. Average Depth----------ft

7. Management by: Government /Private

8. Stocking of Fry/Fingerlings

Species	July – December		January – June		Total Tk.
	Number	Size (cm)	Number	Size (cm)	
Rui					
Catla					
Mrigal					
Kalibaus					
Bata					
Silver Carp					
Grass Carp					
Mirror/Common Carp					
Pangas					
Koi/Shingi/Magur					
Galda/Bagda					
Tilapia					
Thai Punti					
Others					
Total					

Signature and Seal

Baor-2

CATCH ASSESSMENT SURVEY OF BAOR (Monthly Catch)

Species Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Av. Price
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Tk
01	Rui														
02	Catla														
03	Mrigal														
04	Kalibaus														
05	Bata														
06	Ghonia														
07	Silver Carp														
08	Grass Carp														
09	Mirror/Common Carp														
10	Other Exotic Carp														
11	Pangas														
12	Boal/Ayre														
13	Shol/ Gazar/Taki														
14	Koi														
15	Shingi/ Magur														
16	Big shrimp/prawn														
17	Small shrimp/prawn														
18	Tilapia/Nilotica														
19	Sarpunti/Thai Sharpunti														
20	Cuchia														
21	Other Inland Fish														
	Total														

Production per Ha----------Kg/Ha

Signature and Seal

Seasonal Cultured Waterbody

SCW-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF SEASONAL CULTURED WATERBODY

1. District---------- Code [ ] 2. Upazila----------

3. Name of Waterbody---------- Name of Officer ----------

4. Village----------5. Type of water body: (a) Floodplain (b) Paddy Field c) Borrow pit (d) Polder

6. Water Area ---------- (Ha) 7. Average Depth ---------- ft

8. Name of Owner/Farm---------- Year ----------

9. Stocking of Fry/Fingerlings

Species	July – December		January – June		Total Tk.
	Number	Size (cm)	Number	Size (cm)	
Rui					
Catla					
Mrigal					
Kalibaus					
Bata					
Silver Carp					
Grass Carp					
Mirror/Common Carp					
Pangas					
Koi/Shingi/Magur					
Galda/Bagda					
Tilapia					
Thai Punti					
Others					
Total					

Signature and Seal

CATCH ASSESSMENT SURVEY OF SEASONAL CULTURED WATERBODY (Monthly Catch)

Species Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Av. Price
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Tk
01	Rui														
02	Catla														
03	Mrigal														
04	Kalibaus														
05	Bata														
06	Ghonia														
07	Silver Carp														
08	Grass Carp														
09	Mirror/Common Carp														
10	Other Exotic Carp														
11	Pangas														
12	Boal/Ayre														
13	Shol/ Gazar/Taki														
14	Koi														
15	Shingi/ Magur														
16	Big shrimp/prawn														
17	Small shrimp/prawn														
18	Tilapia/Nilotica														
19	Sarpunti/Thai Sharpunti														
20	Cuchia														
21	Other Inland Fish														
	Total														

Production per Ha----------Kg/Ha

Signature and Seal

Pen and Cage Culture

PC-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF PEN AND CAGE CULTURE

1. District---------- Code [ ] 2. Upazila----------

3. Name of Waterbody---------- Name of Officer ----------

4. Village---------- 5. Water Area ---------- (Ha) 6. Average Depth ----------ft

7. Name of Owner/Farm---------- Year ----------

8. Type of Fish Culture: Pen / Cage Culture

9. Stocking of Fry/Fingerlings

Species	July – December		January – June		Total Tk.
	Number	Size (cm)	Number	Size (cm)	
Rui					
Catla					
Mrigal					
Kalibaus					
Bata					
Silver Carp					
Grass Carp					
Mirror/Common Carp					
Pangas					
Koi/Shingi/Magur					
Galda/Bagda					
Tilapia					
Thai Punti					
Cuchia					
Others					
Total					

Signature and Seal

PC-2

CATCH ASSESSMENT SURVEY OF PEN AND CAGE CULTURED (Monthly Catch)

Species Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Average Price
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Tk
01	Rui														
02	Catla														
03	Mrigal														
04	Kalibaus														
05	Bata														
06	Ghonia														
07	Silver Carp														
08	Grass Carp														
09	Mirror/Common Carp														
10	Other Exotic Carp														
11	Pangas														
12	Boal/Ayre														
13	Shol/ Gazar/Taki														
14	Koi														
15	Shingi/ Magur														
16	Big shrimp/prawn														
17	Small shrimp/prawn														
18	Tilapia/Nilotica														
19	Sarpunti/Thai Sharpunti														
20	Cuchia														
21	Other Inland Fish														
	Total														

Production per Ha----------Kg/Ha

Signature and Seal

Marine Industrial Fisheries (Trawler Fishing)

Form - MI-1

Government of the People's Republic of Bangladesh
Marine Fisheries Office
Department of Fisheries
Agrabad, Chattogram

Inspection/Observation Report of Sea Fishing Trawlers

(Official use only)

Date of inspection...../...../.....

1. Name of the Trawler inspected .....
2. Name and address of the owner/Company: .....
3. Type of trawler: Shrimp trawler/Fish trawler/Mixed trawler
4. Gross tonnage: .....MT 5.Whether possessing valid fishing license: Yes/No.

OBSERVATION

6. (a) Date of departure for the last fishing trip: .....
   (b) Date of arrival from the last fishing trip: .....
7. Number of actual fishing days: ..... 8. Fishing ground: .....
9. Average number of hauls per day: ..... Latitude..... N
   Average hours of each haul .... Longitude .....E
10. Catch data of the last fishing trip:

(a) Shrimp (b) Fish

Species	Weight in Kg	
	H. L.	H.O.
Tiger shrimp		
White shrimp		
Pink shrimp		
Brown shrimp		
Small shrimp		
Lobster		
Shrimp total		

Species	Weight in Kg
Pomfret	
Jew fish	
Indian salmon	
Snapper	
Grunt	
Flat/sole fish	
Catfish	
Mackerel	
Tuna	
Sharks/rays	
Squids/Cuttle fish	
Others	
Fish total	

11. Number of shrimp nets used .....:.....
    Mesh size at cod-end.....mm
    Number of fish nets used.....
    Mesh size at cod-end:.....mm
    Length of head rope.....
    Gear used: Single/ double
12. Number of Officers and crew on board: Local Foreign
    Officer ....
    Crew ....
    Total .....
13. Expect date of departure for the next fishing trip.....
14. Remarks: .....

Name and signature of inspecting officer:
Date:

Form - MI-2

Government of the People's Republic of Bangladesh

Marine Fisheries Office

Department of Fisheries

Agrabad, Chattogram

FISHING TRIP SURVEY OF TRAWLERS

Year..... Company.....

Period of Trips					
Name of Vessel					
Type of Fishing					
July					
August					
September					
October					
November					
December					
January					
February					
March					
April					
May					
June					

Remarks:

1. Period of Trips: Date of Departure - Date of Arrival
2. Period of each trip is to be recorded in the column of the month of the date of arrival.
3. Period July 5 - July 15 is to be recorded as 5/7 - 15/7.

Signature and Seal

Form - MI-3

Government of the People's Republic of Bangladesh

Marine Fisheries Office

Department of Fisheries

Agrabad, Chattogram

TABULATION FORM OF INSPECTION/OBSERVATION REPORT OF SEA TRAWLERS

Month..... Type of Fishing.....

Name of Vessel							
Name of Company							
Date of Departure							
Date of Arrival							
No. of Fishing days							
Fishing ground La.							
Ln.							
Shrimp catch (in Kg)							
Tiger Shrimp							
White Shrimp							
Pink Shrimp							
Brown Shrimp							
Lobster							
Other shrimp							
Shrimp Total							
Fish Catch (in kg)							
Pomfret							
Jew Fish							
Indian Salmon							
Snapper							
Grant							
Flat/solo fish							
Catfish							
Mackerel							
Tuna							
Sharks/rays							
Squids/Cuttlefish							
Others							
Fish Total(Kg)							
Grand Total (Kg)							

Signature and Seal

Chart - 2

FRSS Chart-2

Annual Fish Production in Pond Culture for ---------- (year)

Name of District: *Area in Hectare* *Production in Metric Ton*

Sl. No.	Name of Upazila	Pond														
		*Culture Method												Total		
		Extensive <1.5MT/Ha			Semi-intensive 1.5-4.0 MT/Ha			Intensive >4 -10 MT/Ha			Highly Intensive > 10 MT/Ha					
		No.	Area	Prod.	No.	Area	Prod.	No.	Area	Prod.	No.	Area	Prod.	No.	Area	Prod
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Total															

**Culture Method:*

1) Extensive *< 1.5 MT/Ha*
2) Semi-intensive *1.5 - 4.0 MT/Ha*
3) Intensive *>4.0 - 10.0 MT/Ha*
4) Highly Intensive *>10.0 MT/Ha*

Signature and Seal

Chart - 3

FRSS Chart-3

Sector-wise Annual Fish Production in Other Closed Water for---------- (year)

Name of District: *Area in Hectare* *Production in Metric Ton*

Sl. No.	Name of Upazila	Shrimp/Prawn Farm											Fish Culture in Floodplain/ Paddy Field		Borrow pit/Polder/ Creek		Baor		Cage Culture			Pan Culture		Total Prod. (13+15+ 17+19+ 22+24)
		Galda Farm				Bagda Farm					Total													
		Area	Production			Area	Production				Area	Prod.							No	Av. area/ Cage (Sq. meter)	Prod.	Area	Prod.	
			Galda	Other Shrimp	Fish		Bagda	Golda	Other Shrimp	Fish			Area	Prod.	Area	Prod.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Total																							

Signature and Se

Annexure - 2

Persons involved in Preparation of the Yearbook

Shabnam Mostary	Senior Assistant Director Department of Fisheries
Afshan Noor	Scientific Officer Department of Fisheries
Md. Abdullah Al Shamim	Cartographer Department of Fisheries
Begum Razia Sultana	Research Officer Department of Fisheries
Md. Kayum Talukder	Fishery Survey Officer Department of Fisheries
Mst. Umma-Un- Arifa	Assistant Cartographer Department of Fisheries

Annexure -3

[illegible]

ওয়েবসাইট: www.bbs.gov.bd

[illegible]

[illegible] "Fish Catch Assessment Survey" [illegible] "Yearbook of Fisheries Statistics of Bangladesh 2022-2023" [illegible]

[illegible]

(ক) [illegible] Fish Catch Assessment Survey.

(খ) [illegible]

(অ) [illegible] (Sampling Frame): Listing Form [illegible]

(আ) [illegible]

(ই) [illegible]

(ঈ) [illegible]

(উ) [illegible]

(ঊ) [illegible]

(ঋ) [illegible] Reliability of Estimates [illegible]

(গ) [illegible] (Catch Assessment Survey) [illegible]

(ঘ) [illegible] Sampling Frame ও Methodology Update [illegible]

(ঙ) [illegible] Weight [illegible] (Population) [illegible] Estimate [illegible]

(চ) [illegible]

(ছ) [illegible]

(জ) [illegible]

(ঝ) [illegible]

(ঞ) [illegible]

২। [illegible]

৩। [illegible]

৪। [illegible] (Monitoring) [illegible]

[illegible]

ইমেইল: dg@bbs.gov.bd

B.G.Press- 5988 Com (B-10)/2023-24—2,000 Books, 2024.