



FISHFISHFISHFISHFISHFISHFISHFISH
FISHFISHFISHFISH
FISH CATCH
STATISTICS OF
BANGLADESH
FISHFISHFISHFISHFISHFISHFISHFISH
FISHFISHFISHFISH

1987-88
DEPARTMENT OF FISHERIES

PREFACE

The present report is the fifth report of the Fish Catch Statistics of Bangladesh for 1987-88 following the previous one for 1986-87.

This report contains total catch and productivity by sectors, catch by area, by species or by group including catches of fish and shrimp through aquaculture. In addition the present report also includes the information on the status of fish spawn collection from the natural spawning grounds as well as spawn produced artificially through hatcheries of the country. We have a plan to update the frame information and present the fisheries statistics by 64 new districts. The water area statistics of Bangladesh estimated in 1983-84 on the basis survey conducted by Space Research and Remote Sensing Organization (SPARRSO), by using Remote Sensing Technology will be updated. It is expected that in future, the Department of Fisheries (DOF) will be in a position to present, district-wise all fishery statistics of Bangladesh.

We hope that this report will be useful for planning, development and management of the fisheries in Bangladesh.

Any comments for improving the fishery statistics would be greatly appreciated.

A. K. Ataur Rahman
Director of Fisheries
Bangladesh.

The first of the year was a very dry one, and the crops were much injured by the drought.

The second of the year was a very wet one, and the crops were much injured by the rain.

The third of the year was a very dry one, and the crops were much injured by the drought.

TABLE OF CONTENTS

Sl. No.	Title of Table	Table Number.	Page Number.
01	Annual Total Catch and Area Productivity by Sectors	1	1
02	Species Group-wise Cath in Inland & Marine Fisheries	2	2
03	Annual Total Catch of Inland Water by Districts	3	3
04	Annual Catch of the Riverine Fisheries by Rivers by Districts	4	4
05	Annual Total Catch in Principal Rivers	5	5
06	Annual Catch in the Principal Rivers by Districts by Species	6	6
07	Annual Catch in the Other Rivers by Districts by Species	7	7
08	Annual Catch in All Rivers by Districts by Species	8	8
09	Annual Total Catch of the Beel Fisheries	9	9
10	Species Composition (percentage of Weight) of Beel Catch.. ..	17	10
11	Annual Catch of Kaptai Lake by Species	11	11
12	Annual Total Catch in flood-lands	12	12
13	Species Group Composition (percentage of weight) of subsistence Catch by Districts	13	13
14	Total Area & Total Catch of Pond by Districts	14	14
15	Species Composition (percentage of weight) of Pond Catch (cultured pond) by Districts	15	15-17
16	Species Composition of Pond Catch (cultured, culturable derelict)	16	18
17	Annual Total catch of Baor	17	19
18	Species Composition (percentage of weight) of Baor Catch	18	20
19	Annual Total Catch of Shrimp Farm	19	21
20	Species Composition of Shrimp Catch (percentage of weight) from Shrimp Farms of Khulna and Chittagong Region.	20	22
21	Species Group-wise Catch of Inland fisheries by Sector	21	22
22	Annual Total Catch of Marine Fisheries	22	23
23	Species Group-wise Catch in Marine Fisheries by Type of Fishing Gear.. ..	23	24
24	Comparison of Annual Total Catch of 1986-87 with those of 1985-86	24	25
25	Production of Carp-Hatchlings in Bangladesh in 1987	25	25
26	Information on Hatchling Production in Govt. Hatchries and Fish Seed Farms in 1987.	26	26
27	Information on Hatchling Production in Private Hatcheries in 1987	27	27
28	Information on Carp-Spawn Fertilized Egg Collection from Natural Sources in 1987	28	28- 66

TABLE 1

Annual Total Catch and Area Productivities by Sectors of Fisheries for July, 1987—June 1988

Sector of Fisheries :					Water Area (Hectare)	Total Catch (Metric ton)	Catch/Area (Kg/Hectare)
A. Inland Fisheries :							
(a) Capture							
1. River & Estuaries ..	..	..	..	..	1031,563	183,817	178
Except Sundarban Area.							
2. Sundarban ..	..	..	..	..	..	8,066	..
3. Beels ..	..	..	..	..	114,161	45,610	399
4. Kaptai Lake ..	..	..	..	..	68,800	4,068	59
5. Flood Lands ..	..	..	..	..	2832,792	182,037	64
Capture Total	..	..	..	..	4047,316	423,598 (51.3%)	..
(b) Culture :							
1. Ponds ..	..	..	..	..	146,890	149,423	1017
2. Baors ..	..	..	..	..	5,488	1,254	228
3. Shrimp farms ..	..	..	..	..	94,010	25,248	269
Culture Total	..	..	..	..	246,388	175,925(21.3%)	..
Inland Total	..	..	..	..	4293,704	599,523(72.5%)	..
B. Marine Fisheries :							
(a) Industrial Fisheries (Trawl)	..	..	..	..	...	10,395	..
(b) Artisanal Fisheries	..	..	..	..	...	217,187	..
Marine Total	..	..	..	..	...	227,582(27.5%)	..
Country Total	..	..	..	..	..	827,105(100%)	..

- SOURCE : 1. Total catch by sectors of the inland fisheries except Kaptai Lake and Sundarban area were estimated by the Fisheries Resources Survey System of the Department of Fisheries.
2. Kaptai Lake catch has been estimated by BFDC and Sundarban catch by Forest Department.
3. Total catch of the marine fisheries were estimated by the Marine Fisheries Department.

TABLE 2
Species Group-wise Catch in Inland and Marine Fisheries
1987-88

Species					Inland Fisheries	Marine Fisheries	Total (Metric Ton)	%
Major carp	..	..	..	..	88,355	..	88,355	10.68
Exotic carp	..	..	..	..	8,244	..	8,244	1.00
Other carp	..	..	..	..	4,947	..	4,947	0.60
Cat fish	..	..	..	..	14,192	..	14,192	1.72
Snake head	..	..	..	..	26,731	..	26,731	3.23
Live fish	..	..	..	..	23,157	..	23,157	2.80
Other inland fish	..	..	..	..	301,071	..	301,071	36.40
Hilsa/Illich	..	..	..	..	78,551	104,950	183,501	22.19
Bombay duck (<i>Harpondon nehereus</i>)	..	..	..	..	..	19,334	19,334	2.34
Indian salmon (<i>Polydactylus indicus</i>)	..	..	..	..	..	948	948	0.11
Pomfret (Rup, Hail, Foli chanda)	..	..	..	..	..	4,156	4,156	0.50
Jew fish (Poa, Lambu, Kaladatina etc.)	..	..	..	..	..	8,398	8,398	1.02
Sea cat fish (<i>Tachysurus</i> spp.)	..	..	..	..	..	16,812	16,812	2.03
Sharks, Skates & Rays	..	..	..	..	..	2,603	2,603	0.31
Other marine fish	..	..	..	..	..	55,301	55,301	6.69
Shrimp	..	..	..	..	54,275	15,080	69,355	8.38
Total					599,523	227,582	827,105	100
%					72.48	27.52	100	..

- NOTE :**
1. Major carp—Rui, Catla, Mrigal
 2. Exotic carp—Silver carp, Common carp, Mirror carp, Grass carp
 3. Other carp—Ghania, Kalbasu, Kalia
 4. Live fish—Koi, Singhi, Magur
 5. Cat fish—Rita, Boal, Pangas, Shilong, Air, Bacha
 6. Other marine fish includes all other marine fishes except those mentioned above.

TABLE 3

Annual Total Catch of the Inland Waters by District
1987-88

[Unit : Metric Ton]

Old District		River & Estuaries	Sundar ban	Beel	Kaptai Lake	Flood land	Pond	Baor	Shrimp Farm	Total
Chittagong & C. H. T.	..	27,009	..	198	4,068	12,519	17,303	..	5,494	66,591
Comilla	..	13,692	..	479	..	15,983	24,983	..	..	55,137
Noakhali	..	16,568	..	1	..	9,722	11,344	..	5	37,640
Sylhet	..	14,193	..	17,098	..	15,596	8,722	..	..	55,609
Dhaka	..	14,984	..	1,164	..	20,587	6,459	..	..	43,194
Faridpur	..	2,887	..	445	..	7,451	5,573	162	..	16,518
Jamalpur	..	2,135	..	..	..	3,875	1,537	..	..	7,547
Mymensingh	..	12,739	..	13,479	..	12,437	9,551	..	..	48,206
Tangail	..	1,069	..	642	..	3,901	1,448	..	..	7,060
Barisal	..	48,300	..	27	..	11,391	13,384	..	25	73,127
Jessore	..	1,289	..	1,731	..	9,417	9,418	793	153	22,801
Khulna	..	4,808	8,066	125	..	8,973	5,696	55	19,557	47,280
Kushtia	..	527	..	755	..	2,511	1,159	244	..	5,196
Patuakhali	..	15,752	..	..	..	3,222	6,134	..	14	25,122
Bogra	..	616	..	1,930	..	6,728	4,517	..	..	13,791
Dinajpur	..	219	..	257	..	2,477	5,850	..	..	8,803
Pabna	..	4,246	..	938	..	5,568	5,104	..	..	15,856
Rajshahi	..	592	..	4,081	..	13,504	8,202	..	..	26,379
Rangpur	..	2,192	..	2,260	..	16,175	3,039	..	..	23,666
Total	..	183,817	8,066	45,610	4,068	182,037	149,423	1,254	25,248	599,523
%	..	30.66	1.35	7.61	0.68	30.36	24.92	0.21	4.21	100

SOURCE : 1. Catch Assessment Survey.

2. Beel catch of Jamalpur is included in Mymensingh District.

TABLE 4

Annual Catch of the Riverine Fisheries by River District
1987-88

[Unit : Metric Ton]

Old Districts		Principal River							Other Rivers	Total
		Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahmaputra			
Chittagong & C. H. Ts.	..	..	..	..	..	..	..	27009	27009	
Comilla	..	..	5635	3732	..	..	..	4325	13692	
Noakhali	..	..	16187	..	..	..	..	381	16568	
Sylhet ..	..	..	..	2662	..	..	..	11531	14193	
Dhaka	..	..	..	7855	731	..	209	6189	14984	
Faridpur	..	..	132	..	1527	152	..	1076	2887	
Jamalpur	..	..	..	..	..	..	1316	27	792	2135
Mymensingh	..	..	..	607	..	..	..	..	12132	12739
Tangail	..	..	..	..	..	..	175	..	894	1069
Barisal	..	..	31675	..	..	..	..	..	16625	48300
Jessore	..	..	..	..	..	..	..	..	1289	1289
Khulna	..	..	..	..	..	..	..	..	4808	4808
Kushtia	..	..	..	..	..	228	..	..	299	527
Patuakhali	..	..	..	..	..	..	..	..	15752	15752
Bogra	..	..	..	..	..	..	214	..	402	616
Dinajpur	..	..	..	..	..	..	..	..	219	219
Pabna	..	..	..	..	..	366	667	..	3213	4246
Rajshahi	..	..	..	..	..	200	..	..	392	592
Rangpur	..	..	..	..	..	..	201	790	1201	2192
Total	..	..	53629	14856	2258	946	2782	817	108529	183817
%	..	..	29.18	8.08	1.23	0.52	1.51	0.44	59.04	100

SOURCE: Catch Assessment Survey.

TABLE—5

Annual Total Catch in Principal Rivers
1987-88

(a) Annual Catch by Species

(Unit Metric Ton)

Name of River	..	Major Carp	Other carp	Cat fish	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Lower Meghna	..	0	0	191	0	43270	5	514	9649	53629
Upper Meghna	..	86	0	249	0	5882	38	833	7768	14856
Sub-total	..	86	0	440	0	49152	43	1347	17417	68485
Lower Padma	..	0	0	55	0	1871	166	65	101	2258
Upper Padma	..	20	15	67	0	336	7	138	363	946
Sub-total	..	20	15	122	0	2207	173	203	464	3204
Jamuna	..	96	225	482	0	560	0	121	1298	2782
Brahmaputra	..	88	5	160	0	45	21	54	444	817
Sub-total	..	184	230	642	0	605	21	175	1742	3599
Total	..	290	245	1204	0	51964	237	1725	19623	75288

(b) Percentage by Species

(Unit : %)

Lower Meghna	..	0	0	0.36	0.0	80.68	0.01	0.96	17.99	100
Upper Meghna	..	0.58	0	1.68	0.0	39.59	0.26	5.61	52.28	100
Sub-total	..	0.13	0	0.64	0.0	71.77	0.06	1.97	25.43	100
Lower Padma	..	0	0	2.44	0.0	82.86	7.35	2.88	4.47	100
Upper Padma	..	2.11	1.59	7.08	0.0	35.52	0.74	14.59	38.37	100
Sub-total	..	0.62	0.47	3.81	0.0	68.88	5.40	6.34	14.48	100
Jamuna	..	3.45	8.09	17.33	0.0	20.13	0	4.35	46.65	100
Brahmaputra	..	10.77	0.61	19.58	0.0	5.51	2.57	6.61	54.35	100
Sub-total	..	5.11	6.39	17.84	0.0	16.81	0.59	4.86	48.40	100
Total	..	0.39	0.33	1.60	0.0	69.02	0.31	2.29	26.06	100

SOURCE : Catch Assessment Survey.

TABLE—6

Annual Catch in Principal Rivers by District by Species
1987-88

(Unit : Metric ton)

Name of River		Major carp	Other carp	Cat fish	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Lower Meghna	..	0	0	191	0	43270	5	514	9649	53629
Noakhali	..	0	0	15	0	13485	0	467	2220	16187
Comilla	..	0	0	172	0	5387	5	45	26	5635
Barisal	..	0	0	0	0	24270	0	2	7403	31675
Faridpur	..	0	0	4	0	128	0	0	0	132
Upper Meghna	..	86	0	249	0	5882	38	833	7768	14856
Comilla	..	0	0	0	0	1775	0	162	1795	3732
Sylhet	..	0	0	0	0	435	26	309	1892	2662
Dhaka	..	86	0	249	0	3672	0	231	3617	7855
Mymensingh	..	0	0	0	0	0	12	131	464	607
Lower Padma	..	0	0	55	0	1871	166	65	101	2258
Dhaka	..	0	0	48	0	517	0	65	101	731
Faridpur	..	0	0	7	0	1354	166	0	0	1527
Upper Padma	..	20	15	67	0	336	7	138	363	946
Kushtia	..	0	0	0	0	97	0	125	6	228
Rajshahi	..	6	0	35	0	71	4	8	76	200
Pabna	..	14	15	32	0	167	3	5	130	366
Faridpur	..	0	0	0	0	1	0	0	151	152
Jamuna	..	96	225	482	0	560	0	121	1298	2782
Dhaka	..	0	2	57	0	12	0	0	138	209
Tangail	..	5	0	0	0	54	0	19	97	175
Bogra	..	7	0	0	0	7	0	5	195	214
Pabna	..	0	6	189	0	36	0	2	434	667
Rangpur	..	10	29	32	0	60	0	12	58	201
Jamalpur	..	74	188	204	0	391	0	83	376	1316
Brahmaputra	..	88	5	160	0	45	21	54	444	817
Rangpur	..	88	5	155	0	45	20	52	425	790
Jamalpur	..	0	0	5	0	0	1	2	19	27

SOURCE : Catch Assessment Survey.

TABLE-7

**Annual Catch in Other Rivers by District by Species
1987-88**

(Unit : Metric Ton)

Old Districts		Major carp	Other carp	Cat fish	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Chittagong & C.H.Ts.	..	20	7	96	0	47	169	11198	15472	27009
Comilla	..	337	31	260	31	515	98	334	2719	4325
Noakhali	..	20	2	67	0	3	17	48	224	381
Sylhet	..	57	338	277	0	687	0	0	10172	11531
Dhaka	..	99	65	158	1	12	36	468	5350	6189
Faridpur	..	75	1	26	0	122	0	6	846	1076
Jamalpur	..	3	8	23	0	4	0	14	740	792
Mymensing	..	100	309	433	0	2	11	215	11062	12132
Tangail	..	25	0	0	0	0	0	10	859	894
Barisal	..	0	0	34	0	10849	75	541	5126	16625
Jessore	..	82	0	4	6	578	0	264	355	1289
Khulna	..	3	0	38	0	484	474	1706	2103	4808
Kushtia	..	7	0	27	0	8	8	6	243	299
Patuakhali	..	21	8	538	0	11236	16	829	3104	15752
Bogra	..	20	7	31	0	0	0	8	336	402
Dinajpur	..	1	0	0	0	0	0	0	218	219
Pabna	..	0	0	0	0	1056	0	241	1916	3213
Rajshahi	..	6	0	35	0	10	0	11	330	392
Rangpur	..	21	3	101	0	0	0	38	1038	1201
Total	..	897	779	2148	38	25613	904	15937	62213	108529
%		0.83	0.72	1.98	0.04	23.60	0.83	14.68	57.32	100

REMARKS : 1. Catch of Chittagong Hill Tracts is included in Chittagong.

2. Catch in Sundarbanas is not included in Khulna.

SOURCE : Catch Assessment Survey.

TABLE—8

Total Catch in All Rivers by District by Species
1987-88

(Unit : Metric ton)

Old Districts		Major carp	Other carp	Cat fish	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Chittagong & C.H.Ts.	..	20	7	96	0	47	169	11198	15472	27009
Comilla	..	337	31	432	31	7677	103	541	4540	13692
Noakhali	..	20	2	82	0	13488	17	515	2444	16568
Sylhet	..	57	338	277	0	1122	26	309	12064	14193
Dhaka	..	185	67	512	1	4213	36	764	9206	14984
Faridpur	..	75	1	37	0	1605	166	6	997	2887
Jamalpur	..	77	196	232	0	395	1	99	1135	2135
Mymensingh	..	100	309	433	0	2	23	346	11526	12739
Tangail	..	30	0	0	0	54	0	29	956	1069
Barisal	..	0	0	34	0	35119	75	543	12529	48300
Jessore	..	82	0	4	6	578	0	264	355	1289
Khulna	..	3	0	38	0	484	474	1706	2103	4808
Kushtia	..	7	0	27	0	105	8	131	249	527
Patuakhali	..	21	8	538	0	11236	16	829	3104	15752
Bogra	..	27	7	31	0	7	0	13	531	616
Dinajpur	..	1	0	0	0	0	0	0	218	219
Pabna	..	14	21	221	0	1259	3	248	2480	4246
Rajshahi	..	12	0	70	0	81	4	19	406	592
Rangpur	..	119	37	288	0	105	20	102	1521	2192
Total ..		1187	1024	3352	38	77577	1141	17662	81836	183817
%		0.65	0.56	1.82	0.02	42.20	0.62	9.61	44.52	100

TABLE-9

Annual Total Catch of the Beel Fisheries
1987-88

Old District						Area of Beels (Hectare)	Estimated Annual Total Catch (Metric Ton)
Chittagong	..	..	...	...	...	456	198
Comilla	...	...	..	...	...	1,103	479
Noakhali	..	..	..	...	...	3	1
Sylhet	...	...	...	...	...	32,700	17,098
Dhaka	...	..	...	...	...	4,918	1,164
Faridpur	...	...	...	...	...	1,915	445
Jamalpur	...	...	...	...	...	...	...
Mymensingh	...	...	...	...	...	29,406	13,479
Tangail	...	..	...	...	...	2,333	642
Barisal	...	...	...	...	...	79	27
Jessore	..	..	...	...	...	5,037	1,731
Khulna	...	...	...	...	...	365	125
Kushtia	...	...	...	...	...	2,197	755
Patuakhali	..	...	...	...	...	...	...
Bogra	...	...	...	...	...	3,801	1,930
Dinajpur	..	..	...	...	...	1,252	257
Pabna	...	...	...	...	...	3,255	938
Rajshahi	...	...	...	...	...	19,849	4,081
Rangpur	...	...	...	...	...	5,492	2,260
Total						114,161	45,610

SOURCE : Area of Beel—SPARRSO Report (Beels & Dead Rivers).
Catch—Catch Assessment Survey by the Fisheries Resources Survey System.

NOTE : Catch of Jamalpur is included in Mymensingh District.

TABLE-10

Species Composition (Percentage of Weight) of Beel Catch
1987-88

Species	File Fishery	Annual Fishery
Rui (<i>Labeo rohita</i>)	4.49	1.72
Catla (<i>Catla Catla</i>)	0.88	0.40
Mrigal (<i>Cirrhinus mrigala</i>)	2.03	0.85
Lalbasu (<i>Labeo calbasu</i>)	9.10	2.91
Gonia (<i>Labeo gonius</i>)	13.36	0.57
Boal (<i>Wallago attu</i>)	8.96	4.74
Air (<i>Mystus aor</i> / <i>Mystus seenghala</i>)	6.69	3.87
Shol/Gazar (<i>Channa Spp.</i>)	3.26	0.95
Chital/Phali (<i>Notopterus Chitala</i> / <i>N. notopterus</i>)	4.44	1.03
Koi (<i>Anabas testudineus</i>)	0.16	0.40
Singi/Magur (<i>Heteropneustes fossilis</i> / <i>Clarias batrachus</i>)	0.68	0.36
Sarpunti (<i>Puntius sarana</i>)	2.12	0.12
Large Shrimp (<i>Macrobrachium rosenbe rgii</i> / <i>M. malcomsonii</i>)		
Small Shrimp	3.14	5.21
Carpio (<i>Cyprinus carpio</i>)		
Pabda (<i>Ompok pabda</i>)	3.62	1.34
Punti (<i>Puntius Spp.</i>)		6.28
Tengra (<i>Mystus Spp.</i>)		
Baim (<i>Mastacembelus Spp.</i>)		
Chapila (<i>Gudusia chapra</i>)		6.16
Others	37.07	63.09
Total	100	100

NOTE : Based on sample beel survey of Mymensing & Sylhet old districts.

TABLE-11

Annual Catch of by Kaptai Lake
1987-88

Species	Catch in Metric ton					
Rui (<i>Labeo rohita</i>)	..	..	..	..	..	138
Catla (<i>Catla catla</i>)	..	..	..	..	..	52
Mrigal (<i>Cirrhinus mrigala</i>)	..	..	..	..	..	23
Kalbasu (<i>Labeo calbasu</i>)	..	..	..	..	..	120
Gonia (<i>Labeo gonius</i>)	..	..	..	..	..	168
Boal (<i>Wallago attu</i>)	..	..	..	..	..	43
Air (<i>Mystus aor</i> / <i>M. senghala</i>)	..	..	..	..	..	125
Shol/Gazar (<i>Channa</i> Spp.)	..	..	..	..	..	35
Chital (<i>Notopteras chitala</i>)	..	..	..	..	..	144
Fali (<i>Notopteras notopteras</i>)	..	..	..	..	..	103
Bacha (<i>Eutropiic thys vacha</i>)	..	..	..	..	..	23
Punti (<i>Puntius</i> Spp.)	..	..	..	..	..	5
Tengra/Pabda (<i>Mystus tengra</i> / <i>Ompok pabda</i>)	..	..	..	..	..	20
Baim (<i>Mastacembelus</i> Spp.)	..	..	..	..	..	3
Chapila (<i>Gudusia chapra</i>)	..	..	..	..	..	676
Others	..	..	..	..	..	2,390
Total						4,068

SOURCE : Bangladesh Fisheries Development Corporation.

TABLE-12

Annual Total Catch in Flood Land
1987-88

Old district				No. of sub- sistence fisher- ies house-holds (000)	Average catch per house- hold (kg)	Total catch estimated (M.T.)
Chittagong	---	---	---	726	15.49	11,249
Chittagong Hill Tracts	---	---	---	82	15.49	1,270
Comilla	---	---	---	840	19.02	15,983
Noakhali	---	---	---	521	18.66	9,722
Sylhet	..	---	---	636	24.52	15,596
Dhaka	---	---	---	1136	18.12	20,587
Faridpur	---	---	---	447	16.67	7,451
Jamalpur	---	---	---	412	9.41	3,875
Mymensingh	---	---	---	947	13.13	12,437
Tangail	---	---	---	230	16.96	3,901
Barisal	---	---	---	573	19.88	11,391
Jessore	..	---	---	474	19.86	9,417
Khulna	---	---	---	625	14.36	8,973
Kushtia	..	..	..	129	19.47	2,511
Patuakhali	..	..	..	180	17.90	3,222
Bogra	..	..	..	438	15.36	6,728
Dinajpur	..	..	..	552	4.49	2,477
Pabna	..	..	..	281	19.81	5,568
Rajshahi	..	..	..	787	17.16	13,504
Rangpur	..	..	..	955	16.94	16,175
Total				10,791	16.87	182,037

SOURCE : Catch Assessment Survey of subsistence fisheries.

TABLE 13

Species Group Composition (percentage of weight) of Subsistence Catch by District
1987-88

Old District		Carp	Cat fish	Snake head	Live fish	Other in and fish	Small shrimp	Total
Chittagong & C. H. Ts.	..	..	..	0.24	9.10	74.01	16.65	100
Comilla	..	14.17	10.55	7.02	3.69	47.13	17.44	100
Noakhali	...	8.31	0.95	20.61	17.60	51.56	0.97	100
Sylhet	...	...	...	7.23	11.44	68.01	13.32	100
Dhaka	...	...	...	1.28	9.54	78.71	10.47	100
Faridpur	...	...	15.02	..	..	84.98	...	100
Jamalpur	...	...	...	6.08	9.74	84.18	..	100
Mymensingh	..	...	1.98	14.22	19.06	62.72	2.02	100
Tangail	...	18.93	...	..	..	81.07	..	100
Barisal	...	...	...	..	6.40	73.28	20.32	100
Jessore	..	...	...	..	..	100.00	..	100
Khulna	..	2.46	3.70	42.47	13.85	30.06	7.46	100
Kushtia	...	21.48	..	43.07	25.57	9.88	...	100
Patuakhali	..	...	..	..	4.62	51.83	43.55	100
Bogra	..	..	..	31.09	19.96	43.92	5.03	100
Dinajpur	..	...	..	25.56	10.55	63.89	..	100
Pabna	..	0.35	...	0.46	0.50	98.53	0.16	100
Rajshahi	..	3.55	12.62	..	2.45	81.38	..	100
Rangpur	..	..	..	0.45	..	93.18	6.37	100
Country	..	4.21	1.62	9.07	8.84	68.72	7.54	

NOTE : Based on sample village study.

TABLE 14

Total Area and Total Capital

TABLE 15

Species Composition (Percentage of weight) of

[illegible]

Pond Catch (Cultured) by District (1987-88)

Tan	Bar	Jes	Khu	Kus	Pat	Bog	Din	Pab	Raj	Ran	Bangla- desh
20.26	54.61	33.79	25.09	31.29	40.44	26.49	16.42	23.41	30.17	47.30	30.14
26.10	32.22	27.25	17.48	23.01	12.43	35.33	25.68	44.20	32.45	5.93	27.80
20.04	10.23	4.47	9.68	20.23	..	11.89	5.94	3.72	29.32	..	16.28
..	..	..	0.12	0.74	..	..	..	..	5.42	..	1.92
7.21	..	..	..	12.69	..	0.95	..	..	1.14	..	2.48
..	0.18	27.95	13.03	..	47.13	0.44	19.80	4.30	1.11	..	4.09
..	..	..	0.23	..	..	..	..	..	..	..	0.13
..	..	..	0.23	0.16	..	..	..	..	..	..	0.06
..	..	2.13	2.82	..	..	..	..	..	0.39	..	0.35
..	..	..	0.63	3.28	..	..	..	..	..	..	0.18
..	0.67	..	..	0.25	..	..	..	..	..	..	0.44
8.65	..	..	0.25	..	..	..	..	..	..	..	0.69
5.05	..	..	5.15	1.64	..	4.21	6.76	5.48	..	..	1.70
..	0.53	..	0.38	..	..	..	..	..	..	..	0.31
..	..	..	..	..	..	1.77	2.16	..	..	..	0.38
..	..	..	0.69	..	..	2.03	..	..	..	..	0.35
..	..	..	..	..	..	..	..	..	..	..	..
..	0.58	2.96	0.01	5.89	..	6.29	0.74	9.36	..	13.33	2.37
12.69	0.98	1.45	24.21	0.82	..	10.60	22.50	9.53	..	33.44	10.33
100	100	100	100	100	100	100	100	100	100	100	100

TABLE-16

Species Composition (Percentage of Weight) of Pond Catch (Cultured, Culturable & Derelict)
1987-88

Species					Cultured (%)	Culturable (%)	Derelict (%)	Country (%)
Rui (<i>Labeo rohita</i>)	..	..	..	..	30.17	4.06	3.31	20.94
Catla (<i>Catla catla</i>)	..	..	..	..	27.76	4.95	3.05	19.56
Mrigal (<i>Cirrhinus mrigala</i>)	..	..	..	..	16.33	2.60	1.61	11.34
Kalbasu (<i>Labeo calbasu</i>)	..	..	..	..	1.92	0.50	0.11	1.37
Minor carp	..	..	..	..	2.48	2.60	1.01	2.32
Silver carp (<i>Hypophthalmichthys molitrix</i>)	..	..	..	..	4.08	0.50	0.13	2.77
Grass carp (<i>Ctenopharyngodon idellus</i>)	..	..	..	..	0.13	..	..	0.09
Mirror carp (<i>Cyprinus carpio</i> var. <i>specularis</i>)	..	..	..	..	0.06	0.03	0.01	0.05
Tilapia (<i>Oreochromis mossambicus</i> / <i>O. niloticus</i>)	..	..	..	..	0.35	0.90	0.18	0.46
Shrimp	..	..	..	..	0.18	0.87	1.07	0.45
Aor (<i>Mystus aor</i>)	..	..	..	..	0.44	0.42	0.30	0.42
Boal (<i>Wallago attu</i>)	..	..	..	..	0.67	1.85	2.67	1.18
Shol, Gazar & Taki (<i>Channa</i> Spp.)	..	..	..	..	1.70	12.97	19.70	6.49
Chital, Phali (<i>Notopterus</i> Spp.)	..	..	..	..	0.32	0.59	0.95	0.46
Koi (<i>Anabas testudineus</i>)	..	..	..	..	0.38	4.53	8.46	2.32
Singi, Magur (<i>Heteropneustes fossilis</i> , <i>Clarias batrachus</i>)	..	..	..	..	0.34	3.99	8.01	2.14
Sar punti (<i>Puntius sarana</i>)	..	..	..	..	..	0.31	0.42	0.12
Punti (<i>Puntius</i> Spp.)	..	..	..	..	2.37	15.26	15.05	6.86
Others	..	..	..	..	10.32	43.07	33.96	20.66
Total					100	100	100	100

SOURCE : Based on sample pond study.

TABLE 17

**Annual Total Catch of Baors
1987-88**

Old District						Area of Baors in Hectare	Catch of Baors in Metric Ton
Faridpur	..	..	..	..	..	965	162
Jessore	..	..	..	..	..	2,734	793
Khulna	..	..	..	..	..	331	55
Khustia	..	..	..	..	..	1,458	244
Total						5,488	1,254

(i) Catch rate of Govt. managed 7 Baors @ 412 kg/Hec (Govt. managed Baors)

(ii) Catch rate of Private managed Baors @ 167 kg/Hec (Sample Baors)

Govt. Managed Baors : Bergobindapur, Baluhar, Joydia, Fatehpur, Marjad, Katgara & Jampa

Sample Baors(Private) : Sarjad, Rajapur, Hamidpur, Kharincha, Simulia & Baonidaha

SOURCE : Area—SPARRSO Report.

Productivity—Catch Assessment Survey.

TABLE 18

Species Composition (% of weight) of Baor Catch
1987-88

Species						Govt. Baor	Private Baor
Major carp	..	..	..	..	..	33.14	41.82
Other carp	..	..	..	..	..	0.05	..
Exotic carp	..	..	..	..	..	62.77	10.89
Cat fish	..	..	..	..	..	..	0.03
Snake head	..	..	..	..	..	0.89	7.13
Live fish	..	..	..	..	..	0.18	2.18
Other fish	..	..	..	..	..	2.58	36.12
Shrimp	..	..	..	..	..	0.39	1.83
Total						100	100

SOURCE : Based on sample Baor Study by Fisheries Resources Survey System.

TABLE 19

Annual Total Catch of Shrimp Farm
1987-88

Old District				Area of Shrim Farms in Hectare	Catch in Metric Ton		Total
					Shrimp	Fish	
Chittagong	..	..	..	24,755	4,244	1,250	5,494
Khulna	..	..	..	68,363	13,493	6,064	19,557
Jessore	..	..	..	690	118	35	153
Patuakhali	..	..	..	64	11	3	14
Barisal	..	..	..	112	19	6	25
Noakhali	..	..	..	26	4	1	5
Total				94,010	17,889	7,359	25,248

REMARKS : 1. Catch was estimated with the following productivities.

Khulna : Shrimp —197.38 kg/ha
Fish — 88.70 kg/ha

Chittagong & : Shrimp —171.44 kg/ha
Other Districts Fish — 50.51 kg/ha

2. Area of shrimp farm in Chittagong Division : As per survey, 1986. Area of shrimp farm in Khulna Division : As per survey conducted by U.F.O.'s, 1987-88.

SOURCE : Catch Assessment Survey.

TABLE-20

Species Composition of Shrimp Catch (% of weight) from Shrimp Farms of Khulna and Chittagong Region 1987-88

Species	Khulna	Chittagong
Bagda (<i>P. monodon</i>)	44.53	47.36
Golda (<i>M. rosenbergii</i>)	7.90	0.61
Honna (<i>Metapenaeus monoceros</i>)	9.63	27.58
Chaka (<i>P. indicus</i>)	0.03	15.94
Other Shrimp	37.91	8.51
Total ..	100	100

SOURCE : Based on sample shrimp farm study.

TABLE 21

Species Group-wise Catch in Inland Fisheries by Sector 1987-88

[Unit : Metric Ton]

Species	River	Sundarban	Beel	Subsistence	Baor	Pond	Kaptai Lake	Shrimp Farm	Total	% of weight
Major carp ..	1,187	..	1,355	7,664	475	77,461	213	...	88,355	14.74
Other carp ..	1,024	..	1,587	..	1	2,047	288	...	4,947	0.83
Exotic carp ..	..	..	..	..	429	7,815	...	...	8,244	1.38
Cat fish ..	3,352	..	4,397	2,949	1	3,078	415	..	14,192	2.36
Snake head ..	..	..	433	16,511	54	9,698	35	..	26,731	4.46
Live fish ..	38	..	346	16,092	16	6,665	...	...	23,157	3.86
Other inland fish	81,836	6,297	35,116	125,096	263	41,987	3,117	7,359	301,071	50.22
Hilsa/Ilish ..	77,577	974	..	..	..	..	..	..	78,551	13.10
Big Shrimp & Prawn ..	1,141	540	..	..	..	..	..	12,400	14,081	2.35
Small Shrimp & Prawn	17,662	255	2,376	13,725	15	672	...	5,489	40,194	6.70
Total ..	183,817	8,066	45,610	182,037	1,254	149,423	4,068	25,248	599,523	100

SOURCE : Catch Assessment Survey.

TABLE-22

Annual Total Catch of the Marine Fisheries
1987-88

Type of fishing			Number of craft (Trawler/ Boat)	Number of Unit (Gear/ Net)	Catch in Metric Ton		
					Shrimp	Fish	Total
A. Industrial :							
(1) Trawl fishing :							
(a) Shrimp trawler	..	..	33	..	3,361	2,457	5,818
(b) Mixed trawler	..	..	8	..	173	2,858	3,031
(c) Fish trawler	..	..	11	..	11	1,535	1,546
Sub-Total	..	..	52	..	3,545	6,850	10,395
B. Artisanal:							
(1) Gill net fishing :							
(a) Mechanised	..	..	2,880	2,880	..	118,276	118,276
(b) Non-mechanised	..	..	3,509	3,509	..	14,614	14,614
Sub-Total	..	..	6,389	6,389	..	132,890	132,890
(2) Setbag net fishing :							
(a) Seasonal	(M.B)	..	182	5,400	3,150	41,850	45,000
	(N.M.B)	..	2,680	..	..	..	..
(b) All season	(N.M.B)	..	4,590	7,215	6,472	11,992	18,464
Sub-Total	..	..	7,452	12,615	9,622	53,842	63,464
(3) Long line fishing Jew fish long line :							
(a) Mechanised	..	..	255	+ 1,121	..	4,817	4,817
(b) Non-mechanised	..	..	127	..	..	..	..
(c) Other long line	..	..	1,000	963	..	1,301	1,301
Sub-Total	..	..	1,382	2,084	..	6,118	6,118
(4) Trammel net fishing	..	..	500	500	107	2,566	2,673
(5) Other gears fishing	..	..	1,608	2,222	1,806	10,236	12,042
Total—Artisanal	(M.B)	..	3,317	..	11,535	205,652	217,187
	(N.M.B)	..	14,014	..	..	..	..
Grand Total (A+B)							
Trawler -	52			Gill -	6,889	15,080	227,582
M.B -	3,317			SBN -	12,615		
N.M.B -	14,014			Long Line -	2,084		
				Other -	2,222		

M.B—Mechanised boat < > N.M.B—Non-mechanised boat < > SBN—Setbag net.

TABLE-25

Species Group-wise Catch in Marine Fisheries by Type of Fishing Gear
1987-88

Sectors	Species									
	Hilsa	Bombay Duck	Indian Salmon	Pomfret	Jew Fish	Cat Fish	Sharks & Rays Fish	Other Marine Fish	Shrimp	Total
A. Industrial :										
1. Trawler Fishing	..	..	747	245	1,861	1,108	538	2,351	3,545	10,395
B. Artisanal :										
1. Gill Net Fishing										
(a) Mechanised Boat.	91,723 ..	..	201	1,680	591	10,822	934	12,325	..	118,276
(b) Non-mech-anised Boat.	13,227 ..	..	..	256	403	99	165	464	..	14,614
Sub-Total	104,950 ..	..	201	1,936	994	10,921	1,099	12,789	..	132,890
2. Set Bag Net Fishing										
(a) Seasonal	..	9,900	..	450	..	..	..	31,500	3,150	45,000
(b) All Season	..	7,380	..	..	175	269	201	3,967	6,472	18,464
Sub-Total	..	17,280	..	450	175	269	201	35,467	9,622	63,464
3. Long Line Fishing :										
(a) Mechanised }	..	..	..	..	2,685	1,481	591	60	..	4,817
(b) Non-mech-anised }	..	..	..	..	..	..	..	..	..	..
(c) Other Long Line.	..	..	..	..	347	572	147	235	..	1,301
Sub-Total	..	..	..	..	3,032	2,053	738	295	..	6,118
4. Trammel Net Fishing.	..	..	..	80	535	535	27	1,389	107	2,673
5. Other Gears Fishing.	..	2,054	..	1,445	1,801	1,926	..	3,010	1,806	12,042
Total —(Artisanal)	104,950	19,334	201	3,911	6,537	15,704	2,065	52,950	11,535	217,187
GRAND TOTAL (Industrial+Artisanal)	.. 104,950 46.12	19,334 8.50	948 .42	4,156 1.83	8,398 3.69	16,812 7.39	2,603 1.14	55,301 24.28	15,080 6.63	227,582 100

TABLE-24
Comparison of Annual Total Catch of 1987-88
with those of 1986-87

Sector of Fisheries	Annual Total Catch (M.T)		Increase (B)—(A)	Percent Increase	
	1986-87 (A)	1987-88 (B)			
A. Inland Fisheries					
(a) Capture :					
1. River & Estuaries	..	195,117	183,817	—11,300	—5.8
2. Sundarban	..	6,035	8,066	2,031	33.7
3. Beels	..	42,077	45,610	3,533	8.4
4. Kaptai lake	..	3,981	4,068	87	2.2
5. Flood lands	..	183,796	182,037	—1,759	—1.0
Capture Total	..	431,006	423,598	—7,408	—1.7
(b) Culture :					
1. Ponds	..	142,876	149,423	6,547	4.6
2. Baors	..	1,174	1,254	80	6.8
3. Shrimp Farms	..	22,050	25,248	3,198	14.5
Culture Total	..	166,100	175,925	9,825	5.9
Inland Total	..	597,106	599,523	2,417	0.4
B. Marine Fisheries					
(a) Industrial Fisheries (Trawl)	..	12,356	10,395	—1,961	—15.9
(b) Artisanal Fisheries	..	205,223	217,187	11,964	5.8
Marine Total	..	217,579	227,582	10,003	4.6
Country Total	..	814,685	827,105	12,420	1.5

TABLE-25
Production of Carp-Hatchlings in Bangladesh
1988

Source of Production	Quantity of Hatchling Produced (kg)
A. Natural Sources	12,532.91
B. Artificial Sources :	
(i) Govt. Hatcheries/Fish Seed Farms	828.11
(ii) F. R. I.	324.00
(iii) Private Hatcheries	5,697.08
Total	19,382.10

TABLE-26

Information on Hatchlings Production in Govt. Hatcheries and Fish Seed Farms, 1988

Division/Hatchery	No. of Hatcheries	Quantity of Hatchling produced (kg.)
1. Fish Seed Farms and hatcheries of :		
(a) Dhaka Division	18	190.37
(b) Chittagong Division	18	125.88
(c) Khulna Division	23	180.15
(d) Rajshahi Division	18	165.78
2. Central Hatchery of Baor Dev. Project (Jhenidaha)	..	30.25
3. Raipur Fish Hatchery and Training Centre	..	132.18
4. Gulshan Lake Hatchery	..	3.50
5. Hatchery of Fishery Research Institute, Mymensingh	..	324.00
6. Hatchery of Riverine Fishery Research Institute, Chandpur	..	..
Total	..	1,152.11

Note: There are an estimated 4 (four) lakh fry in 1 (one) kg of 4-5 day old hatchling.

TABLE 27

Production of Hatchlings (4-5 days old fry) from Hatcheries in Private Sector in 1988 (Division-wise).¹

Division					No. of Hatcheries	Quantity of Hatchlings (4-5 days old fry) Produced (kg.)
Chittagong	..	..	..	..	93	3,098.25
Dhaka ..	..	..	..	..	29	996.50
Rajshahi	..	..	..	..	22	758.33
Khulna	..	..	..	..	18	844.00
Total					162	5,697.08

TABLE-28

Report of Carp Spawn/Fertilized Egg collection from Natural Sources—1988.

District	Upazila	Collection centre.	Name of River	Number of				Collection period	Frequency of Spawning Time	Quantity of Spawn/Fertilized Egg caught (kg).	Sale rate Tk/kg.	Remarks
				Savar engaged	People used	Net used	Boat used					
1	2	3	4	5	6	7	8	9	10	11	12	13
Kurigram	Razibpur	Samnashikandi	Brahmaputra	2	45	100	6	02-06-88 19-06-88	3	50.85	7000	
	Ulipur	Baladoba	Brahmaputra	2	25	57	2	04-06-88 05-06-88 & 21-06-88 25-06-88	2	30.22	1800	
	Chilmari	Natorkandi Kharuachar	Brahmaputra	4	25	43	4	15-07-88 01-08-88	1	30.50	..	
Kurigram (Sadar)	Jatrapur	Dudkumar		8	75	84	2	18-06-88 23-06-88 & 10-07-88 12-07-88	1	28.50	300	
Sub-Total		..	5	16	170	284	14			13.907	9	
Gaibandha	Gaibandha (Sadar)	Kanarjani, Mollarchar	Brahmaputra	10	93	235	10	25-05-88 07-60-88 & 03-07-88 09-07-88	2	573.75	3000	
	Fulchuri	Rasulpur Gazaria Jamira Ratanpur	Jamuna	56	323	1770	50	03-06-88- 08-06-88 & 15-06-88- 23-06-88	2	817.00	3000	

Saghata	Bharatkhal Bouladanga ghat	Jamuna	69	490	1342	81	30-05-88- 06-07-88& 15-06-88- 22-07-88	2	416.00	2000	
Sub-Total	..	8	135	906	3347	141			1806.75		
Jamalpur	Madarganj	Nadagarighat	Jamuna	2	23	30	2	12-07-88- 16-07-88& 05-08-88- 10-08-88	2	45.00	1000
Deawanganj	Pollakandi	Brahmaputra	11	101	215	12	12-06-88- 26-06-88	1	111.00	7000	
Jamalpur (Sadar)	Nandinabazar- ghat	Brahmaputra	2	23	30	2	01-06-88- 21-06-88	1	14.75	2500	
Sub-Total	..	3	15	147	275	16			170.75		
Tangail	Gopalpur	Goalpacha	Jamuna	2	20	38	0	22-05-88- 30-05-88& 12-06-88- 28-06-88& 24-05-88- 29-05-88	3	13.00	3000
Bhuapur	Bhuapurghat Charakonabari Nikrail Char Gabsora Bhalkutia	Jamuna	50	211	1012	12	07-06-88- 09-06-88& 19-07-88- 28-07-88	3	749.34	3000	
Sub-Total	..	6	52	231	1050	12			762.34		
Bogra	Sonatala	Khabutia Chukainagar	Jamuna	50	650	2300	51	04-06-88- 21-06-88& 06-07-88- 12-07-88	2	705.00	525
Sariakandi	Hatsherpur Dhap, Bohail Mothurapara	Jamuna	24	100	455	15	20-05-88- 23-05-88& 20-06-88- 27-06-88	2	274.25	2000	
Sub-Total	..	5	74	750	2755	66			979.25		

TABLE-28

Report of Carp Spawn/Fertilized Egg collection from Natural Sources—1988.

District	Upazila	Collection centre.	Name of River	Number of				Collection Period	Frequency of Spawning Time	Quantity of Spawn! Fertilized Egg caught (kg)	Sale rate Tk/kg.	Remarks	
				Savar engaged	People	Net used	Boat used						
1	2	3	4	5	6	7	8	9	10	11	12	13	
Sirajganj	Sirajganj (Sadar)	Sirajganjghat Mesra Kaoakhali Kazipur, Gukra Hasainpur Mirpur.	Jamuna	100	900	2275	80	01-06-88 03-06-88 & 20-06-88 22-06-88 & 10-07-88 12-07-88	3	3610.00	1500		
	Belkuchi	Delua Sohagpur	Jamuna	15	108	380	..	03-06-88 25-06-88	1	108.80	2400		
	Kazipur	Bedgari, Khudbandi	Jamuna	10	64	232	10	19-06-88 02-07-88	2	129.75	2600		
	Sahajadpur	Sonatani	Bagiamuna Nageswari	50	280	1250	25	15-06-88 03-07-88	1	317.50	2700		
	Chouhali	Solojana	Jamuna	4	31	100	4	18-05-88 19-05-88 & 30-05-88 31-05-88	2	6.05	4750		
Sub-Total				..	12	179	1383	4237	119	4172.10			
Manikganj	Shivalaya	KDC Uzan, Gujaria, Jafargonj Vati-Jafargonj, Tauta	Gu- Jamuna	3	41	32	5	08-06-88 11-06-88 & 20-06-88 25-06-88 & 27-06-88 30-06-88	3	62.25	2,300		
				7	37	145	11	06-06-88 26-06-88	1	..	2,500		
Ramtia	Daulatpur	Baratia, Char Vashanpur Brahmandi, Amtatali.	(Bachamara)	7	37	145	11						
Sub-Total				..	9	10	78	177	16	62.25			

Pabna	Bera	Nagorbarighat Bablatola, Kazir hat, Nakalia	Jamuna	15	..	117	..	03-06-88- 19-06-88	1	37.00	..
Sub-Total	..	4		15	..	117	..			37.00	
Brahmaputra-Jamuna Total											
		52		497	3665	12246	384			8129.51	
Rajshahi	Godagari	Harisankarpur Bidirpur, Farhad- pur, Kharizagathi Char Nowsera	U. Padma	24	190	254	3	27-06-88- 29-06-88& 12-07-88- 14-07-88& 27-07-88- 29-07-88	3	30.00	800
Sub-Total	..	6		24	190	254	3			30.00	
Rajshahi	Paba	Bulonpur, Keso- lepur, Charna- jardiar, Naboganga Sahapur	U. Padma	30	130	334	30	02-07-88- 04-08-88	1	120.75	900
	Bagha	Mirgong Narayanpur	U. Padma	13	66	40	11	23-07-88 06-08-88	1	68.50	750
Sub-Total	..	7		43	196	374	41			189.25	
Rajshahi	Charghat	Charghat, Boral Bridge	U. Padma (Boral)	7	77	65	5	12-07-88- 31-07-88	1	71.00	..
Sub-Total	..	3		7	77	65	5			71.00	
Pabna	Sujanagar	Sujanagar Satbaria	U. Padma	9	..	288	..	10-07-88- 02-08-88	1	217.75	..
	Ishwardi	Kumarpur	U. Padma	14	..	238	..	16-07-88- 31-08-88	1	25.00	..
Sub-Total	..	4		23	..	526	..			242.75	

TABLE-28

Report of Carp Spawn/Fertilized Egg collection from Natural Sources—1988.

District	Upazila	Collection centre.	Name of River	Number of			Collection period.	Frequency of Spawning Time.	Quantity of Fertilized Egg caught (kg).	Sale rate Tk/kg.	Remarks.	
				Savar engaged.	People Net used.	Boat used.						
1	2	3	4	5	6	7	8	9	10	11	12	13
Kushitia	Bheramara	Golapnagar Bazarghat Raitaghat	U. Padma	14	45	258	18	15-06-88-29-06-88	3	7.50	1400	
	Daulatpur	Vurkaparaghat Rajarbarighat Porardarghat Roytaghat	U. Padma	4	28	25	5	05-07-88-23-07-88	2	38.00	1200	
Sub-Total				7	18	73	283	23	..	45.50		
Upper-Padma Total				27	115	536	1502	72	..	578.50		
Manikganj	Harirampur	Ramkrishnapur	L. Padma	1	8	30	2	22-05-88-30-05-88	2	.62	2,000	
Sub-Total				1	8	30	2			.62	..	
Rajbari	Rajbari (Sadar)	Godarbarar Mara Padma Channal ghat	L. Padma	6	73	124	12	28-06-88-03-07-88	1	31.00	2500	
Sub-Total				3	6	73	124	12		31.00	..	
Faridpur	Faridpur (Sadar)	Goldangi, Kamar-dangi, N. Char Madhabdia N. Dighichar Kabirpura Char	L. Padma	85	235	1463	95	18-05-88-29-05-88-04-06-88-13-06-88	2	1251.00	2500	
Sub-Total				5	85	235	1463	95		1251.00	..	
Lower-Padma—Total				9	92	316	1617	105		1282.62	..	
Upper+Lower-Padma Total				36	207	852	3119	177		1861.12		

Mymensingh Mymensingh Agri, University Old Brahma-
(Sadar) ghat, Chatrapar putra

ghat, Kalibari 8 29 124 8 07-07-88-
ghat, Patgudam 10-07-88 1 7.50 500
ghat, Kachari
ghat, Kagdohar
ghat,
Policeline ghat

Trisal Kalibazar Old Brahma-
Balipara, Dhala putra

5 12 47 5 07-07-88-
10-07-88 1 5.65 500

Gafargaon Garaber Old Brhma-
Panchpaighat putra

2 4 13 2 07-07-88 1 1.65 500

Sub-Total

11

15

45

184

15

14.80

Old Brahma putra Total

11

15

45

184

15

14.80

Tangail

Delduar

Elasin

Dhaleshwari

10

61

180

10

31-05-88-
02-06-88 &
16-06-88-
19-06-88
30-06-88-
02-07-88 &

3

36.63

3,350

Nagarpur

Nalsondha ghat
Agadigulia ghat,
Panchara ghat

Dhaleshwari

8

56

270

9

21-06-88-
25-06-88

1

59.25

4,000

Sub-Total

4

18

117

450

19

95.88

Manikganj Satoria

Gopalpur
Chartille

Dhaleshwari

9

35

214

8

24-05-88-
30-05-88
04-06-88-
31-06-88-

2

13.00

2,500

Manikganj Ranadia
(Sadar)

Dhaleshwari

1

6

20

1

21-06-88-
23-06-88

1

4.00

1,750

Sub-Total

3

10

41

234

9

17.00

Dhaleswari Total

7

28

158

684

28

112.88

TABLE-28

Report of Carp Spawn/Fertilized Egg collection from Natural Sources-1988.

District	Upazila	Collection centre.	Name of River	Number of				Collection period.	Frequency of Spawning Time.	Quantity of Spawn/ Fertilized/Egg caught (kg).	Sale rate Tk/kg.	Remarks.
				Savar engaged.	People used.	Net used.	Boat					
1	2	3	4	5	6	7	8	9	10	11	12	13
Manikganj	Ghior	Latifpur	Kaligonga	1	4	20	1	..	..	..	..	
Sub-Total				1	4	20	1	..	..	..	..	
Kushtia	Mirpur	Talbaria	Gorai	3	22	51	5	20-07-88-22-07-88&25-08-88-28-08-88	2	10.80	3200	
Khoksa	Osmanpur	Gorai	Gorai	1	5	5	..	07-08-88-08-08-88&	1	..	..	
Kumarkhali	Along, Boronia Jadhubyra Bridge ghat	Gorai	Gorai	5	26	113	6	12-07-88-16-07-88&	2	45.00	1000	
Sub-Total				6	9	53	11			55.80		
Faridpur	Modhukhali	Vallakandi Nishchintapur Nakolghat Rajdharpur	Gorai	8	115	168	17	19-07-88-30-07-88	1	10.50	1000	
Sub-Total				4	8	115	17			10.50		
Gorai Total				10	17	168	28			66.30		

Magura	Mohammad-Kashipur Char-salamat, Par-palla, Raghunathpur, Kalisan-karpur, Jalsua	Madhumati	15	168	195	12	03-07-88-19-07-88	1	71-17	17-00
Magura (Sadar)	Babukhali Sitarampur Kashipur Hamnampur Kamarkhali	Madhumati	8	84	106	8	09-07-88-19-07-88	1	24-54	2500
Sub-Total	..	11	23	252	301	20			95-71	
Faridpur	Madhukhali Kurair char Noaparghat, Sitarampur, Tarapur	Madhumati	5	66	7	66	15-07-88-23-07-88	1	6-60	1000
Sub-Total	..	4	5	66	7	60			6-60	
Narail	Lohagara Lankar, Tetulia Dignagar, Tetkara Etona, Egaronali Kalna, Burodia	Madhumati	9	147	119	22	28-06-88-30-06-88&17-07-8830-07-88&09-08-88-11-08-88	3	211-00	1000
Sub-Total	..	8	9	147	119	22			211-00	
Madhumati Total	..	23	37	223	429	108			313-31	
Madaripur	Shibchar Purba Kakair Kalatala, Char Boheratathe Uthrail, Char Kakoi, Kowarhat Dattapur, Bablatala, Dattapara Farighat	Arial Khan	15	176	265	34	28-06-88-17-07-88&	2	508-75	1700
Faridpur	Sadarpur Goldangi Kamardangi, N. Char Madhabdia N. Dighirchar Kabirpurach	Arial Khan	10	47	129	19	24-05-88-28-05-88&09-06-88-03-07-88	2	282-00	1700
Sub-Total	..	16	25	223	494	53			790-75	

TABLE-28
Report of Carp Spawn/Fertilized Egg collection from Natural Sources—1988.

District	Upazila	Collection centre.	Name of River	Number of				Collection period	Frequency of Spawning Time	Quantity of Fertilized Egg caught (kg)	Sale rate Tk/kg.	Remarks
				Savar engaged	People engaged	Net used	Boat used					
1	2	3	4	5	6	7	8	9	10	11	12	13
Madaripur	Rajoir	Goalbathan	Kumar	9	77	48	9	20-06-88 25-06-88	1	27.00		
Sub-Total				2	77	48	9			27.00		
Chittagong	Hathazari	Ankuighona Gharduara Ramdashat Nayabat N. Madrarsha	Halda	112	1287	541	541	15-04-88 22-04-88	2	743.49	2500— 6000	44,432 kg. fer- tilized egg collected.
	Rauzan	Sattarghat Sonaimukhi Kagotiamukh Azimerghat Mogdairmukh Modunaghat Aburkhill	Halda	159	1351	286	286	15-04-88 21-04-88& 19-05-88 24-05-88	2	473.75	2000 5000	28,862 kg. fer- tilized egg collected
Sub-Total				271	2638	827	827			1217.24		
Country Total				1107	8305	18382	1625			12532.91		

