



FISH CATCH STATISTICS OF BANGLADESH

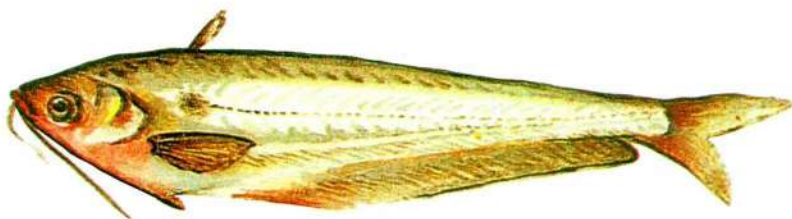
1993-94

DEPARTMENT OF FISHERIES



FISH CATCH STATISTICS OF BANGLADESH

1993-94



DEPARTMENT OF FISHERIES

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PREFACE

The present report is the eleventh in the series of the Fish Catch Statistics of Bangladesh for the financial year 1993-94 (July 1993 to June 1994).

This report presents the fish & shell fish catch (landed) by sectors & habitat by species or group and by greater district of Bangladesh. In addition the information on the carp spawn collected from natural sources & produced through induced spawning in hatcheries for aquaculture is also presented in the report. The catch is estimated on the basis of the frame data of water area & fishing units acquired during 1981-83 by old district. The frame now needs to be updated by 64 new districts. We have a plan to update the frame & present catch statistics by 64 new districts in near future. However, catches of three sectors viz. Floodplain, Pond & Shrimp Farms for the year under report (1993-94) have been estimated by new districts and are presented accordingly in this report.

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.

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ACKNOWLEDGEMENTS

Since 1983, Fish Catch Statistics of Bangladesh is Published every year by the Fisheries Resources Survey System of the Department of Fisheries and the present one, is the eleventh report in the series. I am sure that this publication will be a useful source of information to the policy makers, administrators, fisheries scientists and technologists and in general to all who are interested in fisheries of the country. It is expected to represent catch statistics district-wise of 64 districts from next issue. We hope to undertake periodic revision in order to keep the information up-to-date.

I wish to thank all officers and workers who are responsible in collecting data from the fields and I am grateful to the officers and associates working in the Matshya Bhaban for their whole hearted participation in bringing out this document.

I shall most gratefully appreciate any constructive suggestion and criticism for future improvement of this work.

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TABLE-1

Annual Total Catch and Area Productivities by Sectors of Fisheries for July
1993--June 1994

Sector of Fisheries	Water Area (Hectare)	Total Catch (Metric Ton)	Catch/Area (Kg/Hectare)
A. Inland Fisheries			
(a) Capture			
1 River & Estuaries (Except Sundarban Area)	1,031,563	143,425	139
2 Sundarban ..	.. ..	7,127	..
3 Beels ..	.. 114,161	55,592	487
4 Kaptai Lake ..	.. 68,800	6,635	96
5 Flood Lands ..	.. 2,832,792	360,597	127
Capture Total ..	.. 4,047,316	573,376	52.6%
(b) Culture			
1 Ponds ..	.. 146,890	222,542	1,515
2 Baors ..	.. 5,488	2,201	401
3 Shrimp Farms ..	.. 137,996	39,447	286
Culture Total ..	.. 290,374	264,190	24.2%
Inland Total ..	.. 4,337,690	837,566	76.8%
B. Marine Fisheries			
(a) Industrial Fisheries (Trawl)		12,454	
(b) Artisanal Fisheries ..		240,590	
Marine Total ..	..	253,044	23.2%
COUNTRY TOTAL ..		1,090,610	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 & Marine Fisheries
1993-94

(Unit : Metric Ton)

Species	Inland Fisheries	Marine Fisheries	Total	%
Major Carp	164,046	..	164,046	15.04
Other Carp	11,396	..	11,396	1.04
Exotic Carp	47,967	..	47,967	4.40
Cat Fish	29,661	..	29,661	2.72
Snake Head	62,696	..	62,696	5.75
Live Fish	68,672	..	68,672	6.30
Other Inland fish	302,735	..	302,735	27.76
Hilsa/Illish	71,370	121,161	192,531	17.65
Bombay Duck (<i>Harpondon nehereus</i>)	..	19,952	19,952	1.83
Indian Salmon(<i>Polydactylus indicus</i>)	..	2,428	2,428	0.22
Pomfret (<i>Rup-Hail-Foli Chanda</i>)	..	3,364	3,364	0.31
Jew Fish (<i>Poa, Lambu, Kaladatina etc.</i>)	..	12,429	12,429	1.14
Sea Cat Fish (<i>Tachysurus Spp.</i>)	..	11,419	11,419	1.05
Sharks, Skates & Rays	..	4,206	4,206	0.39
Other Marine Fish	..	56,566	56,566	5.19
Shrimp	79,023	21,519	100,542	9.22
TOTAL	837,566	253,044	1,090,610	100
%	76.80	23.20	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. Cat Fish—Rita, Boal, Pangas Chital, Silon, Aor, Bacha.
 5. Snake Head—Shol, Gazar, Taki.
 6. Live Fish—Koi, Singhi, Magur.
 7. Other Marine Fish includes all other marine fishes except those mentioned above.

TABLE-3

Annual Total Catch of the Inland Waters by District 1993-94

Old District	River & Estuaries	Sundarban	Beel	Kaptai Lake	Flood Land	Pond	Beor	Shrimp Farm	Total
(Unit ; Metric Ton)									
Chittagong & C.H. Ts.	17,207	..	209	6,635	13,842	22,913	..	6,408	67,214
Comilla ..	17,579	..	518	..	51,925	28,749	..	..	98,771
Noakhali ..	29,511	..	1	..	18,243	15,639	..	12	63,406
Sylhet ..	7,184	..	21,660	..	32,717	7,953	..	..	69,514
Dhaka ..	4,239	..	1,250	..	37,794	7,687	..	..	50,970
Faridpur ..	2,123	..	1,130	..	13,796	8,990	347	21	26,407
Jamalpur ..	273	..	..	..	2,678	1,792	..	..	4,743
Mymensingh ..	11,225	..	17,175	..	71,849	13,915	..	..	114,164
Tangail ..	1,129	..	741	..	11,038	2,765	..	..	15,673
Barisal ..	32,309	..	23	..	2,601	10,715	..	668	46,316
Jessore ..	1,286	..	1,060	..	18,292	19,251	1,210	105	41,204
Khulna ..	4,404	7,127	75	..	4,980	10,631	119	32,114	59,450
Kustia ..	216	..	458	..	5,573	1,686	525	..	8,458
Patuakhali ..	7,947	..	..	..	10,191	9,755	..	119	28,012
Bogra ..	333	..	1,275	..	2,997	9,138	..	..	13,743
Dinajpur ..	73	..	147	..	7,826	18,681	..	..	26,727
Pabna ..	2,222	..	1,505	..	10,070	6,781	..	..	20,578
Rajshahi ..	3,153	..	6,475	..	22,332	22,000	..	..	53,960
Rangpur ..	1,012	..	1,890	..	21,853	3,501	..	..	28,256
TOTAL ..	143,425	7,127	55,592	6,635	360,597	222,542	2,201	39,447	837,566
% ..	17.12	0.85	6.64	0.79	43.05	26.57	0.26	4.71	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 by District
1993-94

(Unit : Metric Ton)

Old District	Principal River						Other Rivers	Total
	Lower Megh-na	Upper Megh-na	Lower Pad-ma	Upper Pad-ma	Jamu-na	Brahmaputra		
Chittagong & C.H. Ts.	..	..	..	..	..	..	17207	17207
Comilla	.. 10886	2754	..	..	..	..	3939	17579
Noakhali	.. 29137	..	..	..	..	..	374	29511
Sylhet	.. ..	43	..	..	..	..	7141	7184
Dhaka	.. ..	891	343	..	951	..	2054	4239
Faridpur	.. 170	..	1236	329	..	..	388	2123
Jamalpur	.. ..	..	..	..	139	15	119	273
Mymensingh	.. 2468	..	..	..	..	..	8757	11225
Tangail	.. ..	..	..	..	461	..	668	1129
Barisal	.. 21223	..	..	..	..	..	11086	32309
Jessore	.. ..	..	..	..	..	..	1286	1286
Khulna	.. ..	..	..	..	..	..	4404	4404
Kushtia	.. ..	..	..	64	..	..	152	216
Patuakhali	.. ..	..	..	..	..	..	7947	7947
Bogra	.. ..	..	..	..	130	..	203	333
Dinajpur	.. ..	..	..	..	..	..	73	73
Pabna	.. ..	..	..	781	183	..	1258	2222
Rajshahi	.. ..	..	..	1489	..	..	1664	3153
Rangpur	.. ..	..	..	..	217	166	629	1 012
TOTAL	.. 61416	6156	1579	2663	2081	181	69349	143425
%	42.82	4.29	1.10	1.86	1.45	0.13	48.35	100

Source : Catch Assessment Survey.

TABLE-5

Annual Total Catch in Principal Rivers 1993-94

(a) Annual Catch by Species :

(Unit : Metric Ton)

Name of River	Major carp	Other carp	Cat fish	Snake head	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Lower Meghna	..	29	61	1438	11	0	51532	185	966	7194 61416
Upper Meghna	..	274	64	513	44	0	742	55	1124	3340 6156
Sub-Total	..	303	125	1951	55	0	52274	240	2090	10534 67572
Lower Padma	..	64	9	125	9	0	848	13	151	360 1579
Upper Padma	..	15	1	183	0	0	553	16	103	1792 2663
Sub-Total	..	79	10	308	9	0	1401	29	254	2152 4242
Jamuna	..	49	50	609	2	0	240	3	47	1081 2081
Brahmaputra	..	4	0	22	0	0	28	2	16	109 181
Sub-Total	..	53	50	631	2	0	268	5	63	1190 2262
TOTAL	..	435	185	2890	66	0	53945	274	2407	13876 74076

(Unit : %)

(b) Percentage by Species :

Name of River	Major carp	Other carp	Cat fish	Snake head	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total	
Lower Meghna	..	0.05	0.10	2.34	0.02	0.00	83.91	0.30	1.57	11.71	100
Upper Meghna	..	4.45	1.04	8.33	0.71	0.00	12.05	0.89	18.26	54.26	100
Sub-Total ..	..	0.45	0.18	2.89	0.08	0.00	77.36	0.36	3.09	15.59	100
Lower Padma	..	4.05	0.57	7.92	0.57	0.00	53.70	0.82	9.56	22.80	100
Upper Padma	..	0.56	0.04	6.87	0.00	0.00	20.77	0.60	3.87	67.29	100
Sub-Total ..	..	1.86	0.24	7.26	0.21	0.00	33.03	0.68	5.99	50.73	100
Jamuna	..	2.35	2.40	29.26	0.10	0.00	11.53	0.14	2.26	51.95	100
Brahmaputra	..	2.21	0.00	12.15	0.00	0.00	15.47	1.10	8.84	60.22	100
Sub-Total ..	..	2.34	2.21	27.90	0.09	0.00	11.85	0.22	2.79	52.61	100
TOTAL ..	..	0.59	0.25	3.90	0.09	0.00	72.82	0.37	3.25	18.73	100

Source : Catch Assessment Survey.

TABLE-6

Annual Catch in Principal Rivers by District by Species
1993-94

(Unit : Metric Ton)

Name of River	Major carp	Other carp	Cat fish	Snake head	Live fish	Hilsha	Big shrimp	Small shrimp	Misc.	Total
Lower Meghna	..	29	61	1438	11	0	51532	185	966	7194 61416
Comilla	..	28	61	487	9	0	8390	184	431	1296 10886
Barisal	..	0	0	940	0	0	17492	0	0	2791 21223
Noakhali	..	0	0	11	0	0	25540	0	531	3055 29137
Faridpur	..	1	0	0	2	0	110	1	4	52 170
Upper Meghna	..	274	64	513	44	0	742	55	1124	3340 6156
Comilla	..	230	13	476	0	0	538	28	523	946 2754
Sylhet	..	2	0	0	0	0	1	0	8	32 43
Mymensingh	..	20	44	29	0	0	0	0	537	1838 2468
Dhaka	..	22	7	8	44	0	203	27	56	524 891
Lower Padma	..	64	9	125	9	0	848	13	151	360 1579
Faridpur	..	40	0	92	6	0	726	13	113	246 1236
Dhaka	..	24	9	33	3	0	122	0	38	114 343
Upper Padma	..	15	1	183	0	0	553	16	103	1792 2663
Rajshahi	..	4	1	156	0	0	258	14	35	1021 1489
Pabna	..	0	0	18	0	0	108	0	12	643 781
Kushtia	..	0	0	0	0	0	9	0	28	27 64
Faridpur	..	11	0	9	0	0	178	2	28	101 329

Name of river	Major carp	Other carp	Cat fish	Snake head	Live fish	Hilsha	Big shrimp	Small shrimp	Misc	Total
Jamuna ..	49	50	609	2	0	240	3	47	1031	2081
Rangpur ..	16	45	41	0	0	59	0	11	45	217
Jamalpur ..	0	0	2	0	0	7	0	15	115	139
Bogra ..	12	0	16	0	0	1	0	1	100	130
Tangail ..	13	5	13	2	0	16	0	1	411	461
Pabna ..	6	0	4	0	0	4	0	6	163	183
Dhaka ..	2	0	533	0	0	153	3	13	247	951
Brahmaputra ..	4	0	22	0	0	28	2	16	109	181
Rangpur ..	4	0	21	0	0	28	2	15	96	166
Jamalpur ..	0	0	1	0	0	0	0	1	13	15

Source : Catch Assessment Survey.

TABLE-7
Annual Catch in Other Rivers by District by Species 1993-94

(Unit : Metric Ton)

Old Districts	Major carp	Other carp	Cat fish	Snake head	Live fish	Hilsha	Big shrimp	Small shrimp	Misc.	Total
Chittagong & C.H. Ts.	23	20	6	0	0	31	176	13178	3773	17207
Comilla	184	129	343	59	5	421	124	560	2114	3939
Noakhali	38	5	68	7	0	8	43	102	103	374
Sylhet	206	248	396	10	6	915	2	68	5290	7141
Dhaka	213	14	120	9	0	98	13	235	1352	2054
Faridpur	52	0	15	37	13	40	4	24	203	388
Jamalpur	1	0	2	0	0	0	5	4	107	119
Mymensingh	588	765	908	48	353	0	0	744	5351	8757
Tangail	11	2	13	2	0	0	0	3	637	668
Barisal	0	0	389	0	0	8350	1	252	2094	11086
Jessore	0	0	0	0	12	218	1	425	630	1286
Khulna	6	20	38	0	0	524	33	2479	1304	4404
Kushtia	0	0	0	0	0	1	9	63	79	152
Patuakhali	0	0	14	0	1	6340	36	56	1500	7947
Bogra	0	2	27	0	0	0	0	2	172	203
Dinajpur	0	1	1	0	1	0	0	0	70	73
Pabna	0	0	0	0	0	0	0	667	591	1258
Rajshahi	26	2	88	1	0	12	17	45	1473	1664
Rangpur	92	17	29	8	1	37	0	70	375	629
Total	1440	1225	2457	181	392	16995	464	18977	27218	69349
%	2.1	1.8	3.5	0.3	0.6	24.5	0.7	27.4	39.2	100

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

2. Catch in Sundarbans is not included in Khulna.

Source : Catch Assessment Survey.

TABLE-8

Annual Catch in All Rivers by District by Species 1993-94

Old Districts	(Unit : Metric Ton)									
	Major carp	Other carp	Cat fish	Snake head	Live fish	Hilsha	Big shrimp	Small shrimp	Misc.	Total
Chittagong & C.H. Is.										
Comilla	23	20	6	0	0	31	176	13178	3773	17207
Noakhali	442	203	1306	68	5	9349	336	1514	4356	17579
Sylhet	38	5	79	7	0	25548	43	633	3158	29511
Dhaka	208	248	396	10	6	916	2	76	5322	7184
Faridpur	261	30	694	56	0	576	43	342	2237	4239
Jamalpur	104	0	116	45	13	1054	20	169	602	2123
Mymensingh	1	0	5	0	0	7	5	20	235	273
Tangail	608	809	937	48	353	0	0	1281	7189	11225
Barisal	24	7	26	4	0	16	0	4	1048	1129
Jessore	0	0	1329	0	0	25842	1	252	4885	32309
Khulna	0	0	0	0	12	218	1	425	630	1286
Kushtia	6	20	38	0	0	524	33	2479	1304	4404
Patuakhali	0	0	0	0	0	10	9	91	106	216
Bogra	0	0	14	0	1	6340	36	56	1500	7947
Dinaipur	12	2	43	0	0	1	0	3	272	333
Pabna	0	1	1	0	1	0	0	0	70	73
Rajshahi	6	0	22	0	0	112	0	685	1397	2222
Rangpur	30	3	244	1	0	270	31	80	2494	3153
Total	112	62	91	8	1	124	2	96	516	1012
..	1875	1410	5347	247	392	70938	738	21384	41094	143425
%	1.3	1.0	3.7	0.2	0.3	49.5	0.5	14.9	28.7	100

TABLE-9
Annual Total Catch of the Beel Fisheries
1993-94

Old District					Area of Beels (Hectare)	Esrtimated Annual Total Catch (Metric Ton)
Chittagong	..	..	..	..	456	209
Comilla	..	..	..	..	1,103	518
Noakhali	..	..	..	..	3	1
Sylhet ..	..	..	..	..	32,700	21,660
Dhaka ..	..	..	..	..	4,918	1,250
Faridpur	..	..	..	..	1,915	1,130
¹ Jamalpur	..	..	..	..	..	..
Mymensingh	..	..	..	..	29,406	17,175
Tangail	..	..	..	..	2,333	741
Barisal ..	..	..	..	..	79	23
Jessore ..	..	..	..	..	5,037	1,060
Khulna	..	..	..	..	365	75
Kushtia	..	..	..	..	2,197	458
Patuakhali	..	..	..	..	..	..
Bogra ..	..	..	..	..	3,801	1,275
Dinajpur	..	..	..	..	1,252	147
Pabna ..	..	..	..	..	3,255	1,505
Rajshahi	..	..	..	..	19,849	6,475
Rangpur	..	..	..	..	5,492	1,890
TOTAL	..	..	..	..	114,161	55,592

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

¹ Catch of Jamalpur is included in Mymensingh District.

TABLE-10

Species composition (Percentage of Weight) of Beel Catch
1993-94

Species	Pile Fishery	Annual Fishery
Rui (<i>Labeo rohita</i>)	14.20	10.35
Catla (<i>Catla catla</i>)	9.50	8.60
Mrigal (<i>Cirrhinus mrigala</i>)	5.25	4.80
Kalbasu (<i>Labeo calbasu</i>)	7.60	5.20
Gonia (<i>Labeo gonius</i>)	3.80	4.15
Boal (<i>Wallago attu</i>)	19.50	21.50
Air (<i>Mystus aor</i> / <i>Mystus Seenghala</i>)	2.50	2.10
Shol/Gazar (<i>Channa Spp.</i>)	8.25	5.20
Chital/Phali (<i>Notopterus chitala</i> / <i>N. notopterus</i>)	3.20	5.30
Koi (<i>Anabas testudineus</i>)	1.35	1.30
Singi/Magur (<i>Heteropneustes fossilis</i> / <i>Clarias batrachus</i>)	2.75	1.65
Sarpunti (<i>Puntius sarana</i>)	1.80	1.10
Large Shrimp (<i>Macrobrachium rosenbergii</i> / <i>M. malcomsonii</i>)	..	..
Small Shrimp	3.75	3.15
Carpio (<i>Cyprinus carpio</i>)	..	..
Pabda (<i>Ompok pabda</i>)	1.20	1.40
Punti (<i>Puntius Spp.</i>)	..	..
Tengra (<i>Mystus Spp.</i>)	2.45	2.10
Baim (<i>Mastacembelus Spp.</i>)	..	..
Chapila (<i>Gudusia chapra</i>)	..	..
Others	12.90	22.10
TOTAL	100	100

Note : Based on sample beel survey of Mymensingh & Sylhet old districts.

TABLE-11

Annual Catch of Kaptai Lake 1993-94

Species	Catch in Metric Ton
Rui (<i>Labeo rohita</i>)	72
Catla (<i>Catla catla</i>)	31
Mrigal (<i>Cirrhinus mrigala</i>)	44
Kalbasi (<i>Labeo calbasu</i>)	101
Gonia (<i>Labeo gonius</i>)	36
Boal (<i>Wallago attu</i>)	59
Air (<i>Mystus aor</i> / <i>Mystus Seenghala</i>)	100
Shol/Gazar (<i>Channa Spp.</i>)	62
Chital (<i>Notopterus chitala</i>)	65
Phali (<i>Notopteras notopterus</i>)	91
Bacha (<i>Eutropiichthys vacha</i>)	23
Punti (<i>Puntius Spp.</i>)	..
Tengra/Pabda (<i>Mystus tengra</i> / <i>Onipok pabda</i>)	43
Baim (<i>Mastacembelus Spp.</i>)	8
Chapila (<i>Gudusia chapra</i>)	1,257
Talapia/Silver Carp	61
Others	4,582
TOTAL	6,635

Source : Bangladesh Fisheries Development Corporation.

TABLE-12

Annual Total Catch in Flood Land
1993-94

				No. of Subsistence Fisheries House-hold (000)	Average Catch per House-hold (kg)	Total Catch Estimated (m. t)
Dhaka	..	..	..	636	29.76	18,916
Faridpur	..	..	..	108	25.65	2,781
Gazipur	..	..	..	255	16.70	4,262
Rajbari	..	..	..	68	21.82	1,475
Gopalganj	..	..	..	71	66.84	4,746
Jamalpur	..	..	..	323	8.29	2,678
Ksihoreganj	..	..	..	274	89.46	24,481
Madaripur	..	..	..	150	6.17	924
Manikganj	..	..	..	191	10.56	2,020
Munshiganj	..	..	..	82	84.88	6,960
Mymensingh	..	..	..	520	53.44	27,763
Narayanganj	..	..	..	265	6.35	1,680
Narshingdi	..	..	..	219	18.03	3,956
Netrakona	..	..	..	262	50.66	13,253
Sariatpur	..	..	..	142	27.33	3,870
Sherpur	..	..	..	187	33.93	6,352
Tangail	..	..	..	320	34.52	11,038
Bagerhat	..	..	..	237	11.72	2,772
Barguna	..	..	..	86	16.74	1,437
Barisal	..	..	..	245	2.62	642
Bhola	..	..	..	168	4.00	673
Chuadanga	..	..	..	53	12.72	669
Jessore	..	..	..	251	51.42	12,896
Jhalokati	..	..	..	104	12.35	1,286
Jhenidah	..	..	..	179	8.70	1,559
Khulna	..	..	..	296	1.83	542
Kushtia	..	..	..	172	19.95	3,431
Magura	..	..	..	98	32.44	3,178
Meherpur	..	..	..	60	24.75	1,473
Narail	..	..	..	38	17.46	659
Patuakhali	..	..	..	189	14.29	2,704
Pirojpur	..	..	..	126	47.83	6,050
Satkhira	..	..	..	116	14.31	1,666
Bogra	..	..	..	439	4.85	2,127
Dinajpur	..	..	..	409	17.08	6,977
Gaigbandha	..	..	..	298	54.03	16,079
Jaypurhat	..	..	..	113	7.68	870
Kurigram	..	..	..	236	9.51	2,246
Lalmonirhat	..	..	..	116	9.82	1,144
Naogaon	..	..	..	321	13.43	4,308
Natore	..	..	..	202	65.68	13,294
Nawabganj	..	..	..	80	52.62	4,229
Nilphamari	..	..	..	123	3.65	448

District	No. of Subsistence Fisheries House-hold (000)	Average Catch per House-hold (kg)	Total Catch Estimated (m.t)
Pabna	080	27.83	7,802
Panchagarh	134	2.42	325
Rajshahi	201	2.49	501
Rangpur	200	9.69	1,936
Sirajganj	326	6.95	2,268
Thakurgaon	113	4.66	524
Bandarban	18	17.03	313
Brahmanbaria	187	52.99	9,920
Chandpur	274	55.51	15,216
Chittagong	570	15.70	8,955
Comilla	390	68.71	26,789
Cox's Bazar	88	40.59	3,572
Feni	174	14.85	2,583
Habiganj	200	30.19	6,046
Khagrachari H.T.	28	17.03	484
Laksmipur	158	39.03	6,182
Moulvi Bazar	182	12.80	2,333
Noakhali	343	27.66	9,478
Rangamati H.T.	30	17.03	518
Sunamganj	257	80.50	20,705
Sylhet	284	12.80	3,633
TOTAL	13,266	27.18	360,597

Source : Catch Assessment of Subsistence Fisheries.

TABLE-13

Species Group Composition (Percentage of weight) of Subsistence Catch by District
1993-94

District	Carp	Cat Fish	Snake Head	Live Fish	Other Inland Fish	Big Shrimp	Small Shrimp	Total
Dhaka	15.89	7.57	0.55	4.27	71.72	0.00	0.00	100
Faridpur	0.00	0.00	13.27	49.32	37.41	0.00	0.00	100
Gazipur	0.00	0.00	24.84	21.47	44.77	0.00	8.92	100
Rajbari	0.00	0.00	4.79	11.32	70.92	0.00	12.98	100
Gopalganj	0.00	0.00	19.77	29.53	50.61	0.00	0.09	100
Jamalpur	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Kishoreganj	16.21	0.00	17.22	12.59	53.97	0.00	0.00	100
Madaripur	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Manikganj	0.00	0.00	14.54	32.97	52.49	0.00	0.00	100
Munshiganj	0.00	0.00	17.46	42.42	40.12	0.00	0.00	100
Mymensingh	0.00	2.48	17.14	16.58	63.80	0.00	0.00	100
Narayanganj	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Narshingdi	0.00	0.00	4.50	3.00	76.56	0.00	15.94	100
Netrakona	6.92	0.00	19.83	31.66	41.59	0.00	0.00	100
Sariatpur	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Sherpur	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Tangail	14.09	0.00	2.33	1.86	81.20	0.00	0.52	100
Bagerhat	0.00	0.00	29.03	8.93	62.04	0.00	0.00	100
Barguna	0.00	0.00	0.00	0.00	52.92	9.73	37.35	100
Barisal	0.00	0.00	0.00	0.00	27.55	0.00	72.45	100
Bhola	0.00	0.00	0.00	0.00	61.90	0.00	38.10	100
Chuadanga	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Jessore	0.00	0.00	13.06	0.77	77.06	0.00	9.11	100
Jhalokati	26.67	0.00	23.70	13.33	35.56	0.00	0.74	100
Jhenidah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100
Khulna	0.00	0.00	7.77	00.00	76.68	0.00	15.54	100
Kushtia	0.00	0.00	10.20	11.87	65.99	0.00	11.93	100
Magura	0.00	14.75	21.75	0.00	56.61	0.00	6.88	100
Meherpur	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Narail	0.00	0.00	5.37	1.07	60.05	0.00	33.51	100
Patuakhali	0.00	0.00	17.83	13.34	43.73	0.00	25.10	100
Pirojpur	0.00	0.00	0.00	0.00	41.65	27.15	31.20	100
Satkhira	0.00	0.00	39.07	7.60	39.44	0.00	13.89	100
Bogra	0.00	0.00	12.92	16.01	55.31	0.00	15.77	100
Dinajpur	0.00	0.00	12.94	30.89	56.16	0.00	0.00	100
Gaibandha	0.00	0.00	12.99	11.13	75.88	0.00	0.00	100
Jaypurhat	0.00	0.00	23.30	28.14	43.48	0.00	5.08	100
Kurigram	0.00	0.00	33.09	16.64	50.27	0.00	0.00	100
Lalmonirhat	0.00	0.00	22.28	11.06	66.65	0.00	0.00	100
Naogaon	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Natore	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Nawabganj	83.76	5.01	0.00	0.00	8.93	0.00	2.31	100

District	Carp	Cat Fish	Snake Head	Live Fish	Other Inland Fish	Big Shrimp	Small Shrimp	Total
Nilphamari ..	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100
Pabna ..	0.00	0.00	0.00	0.00	76.62	6.68	16.70	100
Panchagarh ..	0.00	0.00	0.00	6.45	93.55	0.00	0.00	100
Rajshahi ..	0.00	0.00	0.00	0.00	58.06	26.88	15.05	100
Rangpur ..	0.00	0.00	0.00	0.00	95.72	0.00	4.28	100
Sirajganj ..	0.00	0.00	6.20	0.32	78.23	0.00	15.24	100
Thakurgaon ..	0.00	0.00	0.00	25.00	75.00	0.00	0.00	100
Bandarban ..	0.00	0.00	41.22	28.53	30.25	0.00	0.00	100
Brahmanbaria ..	15.57	0.00	14.09	14.50	29.13	0.00	26.72	100
Chandpur ..	0.00	0.00	16.66	14.17	69.17	0.00	0.00	100
Chittagong ..	0.00	0.00	28.10	0.00	68.82	0.00	3.08	100
Comilla ..	36.63	22.12	7.60	3.92	16.99	0.00	12.74	100
Cox's Bazar ..	1.11	2.96	8.64	9.38	46.75	0.00	31.16	100
Feni ..	38.44	11.94	8.03	13.73	23.26	0.00	4.60	100
Habiganj ..	5.51	0.00	7.95	5.96	25.01	6.36	49.20	100
Khagrachari HT ..	0.00	0.00	41.22	28.53	30.25	0.00	0.00	100
Laksmipur ..	0.00	0.00	38.10	35.67	26.63	0.00	0.00	100
Moulvi Bazar ..	5.51	0.00	7.95	5.96	25.01	6.36	49.20	100
Noakhali ..	52.71	6.70	12.00	14.23	14.35	0.00	0.00	100
Rangamati H.T. ..	0.00	0.00	41.22	28.53	30.25	0.00	0.00	100
Sunamganj ..	0.00	0.00	10.00	6.96	61.42	0.00	21.62	100
Sylhet ..	0.00	0.00	0.00	4.24	49.86	0.00	45.90	100
COUNTRY Total	6.93	1.43	14.69	16.16	53.74	0.80	6.14	100

Note : Based on sample village study.

TABLE-14

Total Area and Total Catch of pond by District
1993-94

District	Total Area of Ponds (Acre)				Total Production of Ponds (Ton)			
	Cul- ture	Cul- turable	Dere- lict	Total	Culture	Cul- turable	Dere- lie	Total
Dhaka ..	11.98	1352	784	3334	1130	526	209	1865
Faridpur ..	1698	1917	1112	4727	2646	800	258	3704
Gazipur ..	1485	1676	973	4134	774	262	25	1061
Rajbari ...	900	1016	589	2505	755	786	422	1963
Gopalganj ..	1210	1366	793	3369	1967	444	216	2627
Jamalpur ..	916	633	603	2152	709	176	88	973
Kishoreganj	4427	841	495	5763	2887	486	154	3527
Madaripur ..	908	1026	594	2528	671	294	114	1079
Manikganj ..	1117	1261	732	3110	1333	223	95	1651
Munshiganj ..	805	908	527	2240	874	205	95	1174
Mymensingh	6940	1319	775	9034	5071	523	152	5746
Narayanganj	576	651	378	1605	504	125	36	665
Narshingdi ..	910	1028	596	2534	741	141	38	920
Netrakona ..	5412	1028	604	7044	2960	229	88	3277
Sariatpur ..	896	1011	586	2493	582	122	134	838
Sherpur ..	593	410	390	1393	694	174	154	1022
Tangail ..	1533	1059	1010	3602	1472	990	303	2765
Bagerhat ..	2443	400	318	3161	1223	48	29	1300
Barguna ..	3516	1348	882	5746	2059	165	58	2282
Barisal ..	5890	2258	1477	9625	3689	533	168	4390
Bhola ..	6717	2575	1685	10977	4510	616	328	5454
Chuadanga ..	717	294	266	1277	728	91	68	887
Jessore ..	5722	939	309	6970	5868	212	65	6145
Jhalokati ..	831	702	459	2992	950	128	29	1107
Jhenidah ..	4327	710	234	5271	5404	119	20	5543
Khulna ..	5058	829	659	6546	3674	183	63	3920
Kushtia ...	968	397	360	1725	672	58	21	751
Magura ...	2286	375	124	2785	2121	94	17	2232
Meherpur ..	440	180	164	784	183	19	9	211
Narail ..	2172	356	118	2646	1034	87	11	1132
Patuakhali ..	6464	2478	1622	10564	5328	580	153	6061
Pirojpur; ..	3352	1285	841	5478	4497	661	226	5384
Satkhira ..	2780	455	363	3598	1905	123	66	2094
Bogra ...	5451	3550	1542	10543	5899	1716	533	8148
Dinajpur ..	6433	4190	1818	12441	10501	2568	635	13704
Gaibandha ..	655	488	1042	2185	435	83	158	676
Jaypurhat ..	1803	1174	509	3486	1016	211	42	1269
Kurigram ..	689	514	1097	2300	425	134	271	830
Lalmonirhat	368	274	586	1228	198	66	121	385
Noagaon ..	4082	6001	3297	13380	4000	2614	593	7207
Natore ...	2197	3230	1774	7201	2958	1617	276	851

District	Total Area of Ponds (Acre)				Total Product on of Ponds (Ton)			
	Culture	Culturable	Dere- lict.	Total	Culture	Culturable	Dere- lict	Total
Nawabganj ..	1974	2902	1594	6470	1050	579	76	1705
Nilphamari ..	495	369	788	1652	303	71	95	469
Pabna ..	2750	4043	2220	9013	2064	841	858	3763
Panchagarh ..	2426	1580	686	4692	1918	436	127	2481
Rajshahi ..	2903	4267	2344	9514	6916	1910	482	9308
Rangpur ..	705	526	1122	2353	550	293	463	1306
Sirajganj ..	2832	4164	2288	9284	2141	946	287	3374
Thakurgaon ..	3393	2209	959	6561	2306	677	196	3179
Bandarban ..	..	..	..	..	..	..	..	..
Brahmanbaria ..	6406	2186	922	9514	7529	839	85	8453
Chandpur ..	5655	1930	813	8398	4623	794	326	5743
Chittagong ..	12481	11335	900	24716	12944	7161	494	20599
Comilla ..	10485	3580	1508	15573	9193	2441	812	12446
Cox's Bazar ..	5369	4876	388	10633	3095	1833	44	4972
Feni ..	3363	1147	484	4994	2607	216	65	2888
Habiganj ..	978	1364	2093	4435	866	280	102	1248
Khagrachari H.T. ...	..	..	..	..	..	..	..	..
Laksmipur ..	4858	1658	699	7215	3013	641	187	3841
Moulavi Bazar ..	1231	1717	2633	5581	1207	549	316	2072
Noakhali ..	10433	3561	1500	15494	8533	693	59	9285
Rangamati H.T. ...	..	..	..	..	..	..	..	..
Sunamganj ..	1375	1918	2941	6234	1224	461	521	2206
Sylhet ..	1363	1901	2916	6180	850	738	796	2384
Total	189360	110737	62885	362982	167979	41631	12932	222542
%	52.17	30.51	17.32	100	75.48	18.71	5.81	100

Remarks : Total catch were calculated with productivities by District by conditions of pond obtained by the Catch Assessment Survey of ponds.

Source : Area—Calculated on the basis of data of 40 sample Thanas SPARRSO Report.
Productivities—Catch Assessment Survey of Ponds.

TABLE-15

Species Composition (Percentage of weight) of Pond

Species			Dhak	Fari	Gazi	Gopa	Rajb	Jama
Rui (<i>Labeo rohita</i>)	..	..	33.15	30.75	30.81	24.34	27.29	81.13
Catla (<i>Catla catla</i>)	..	..	49.80	33.43	5.23	21.22	18.03	1.58
Mrigal (<i>Cirrhinus mrigala</i>)	..	..	8.99	18.08	17.44	16.18	10.22	0.00
Kalbasu (<i>Labeo calbasu</i>)	..	..	6.44	0.00	0.00	0.00	4.12	0.00
Mixed Carp	..	..	0.00	0.00	0.00	0.00	3.26	0.43
Silver Carp (<i>Hypophthalmichthys molitrix</i>)	..	..	0.00	17.75	46.51	19.11	14.45	10.04
Grass Carp (<i>Ctenopharyngodon idellus</i>)	..	..	0.00	0.00	0.00	1.09	5.46	0.00
Mirror Carp (<i>Cyprinus Carpio var specularis</i>)	..	..	0.00	0.00	0.00	3.05	6.74	0.00
Tilapia (<i>Oreochromis mossambicus/O niloticus</i>)	..	..	0.00	0.00	0.00	14.82	8.45	0.00
Shrimp	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Air (<i>Mystus aor/Mystus Seenghala</i>)	..	..	0.00	0.00	0.00	0.00	0.00	1.08
Bpal (<i>Wallo go attu</i>)	..	..	0.00	0.00	0.00	0.00	0.00	1.72
Shol/Gazar & Taki (<i>Channa Spp.</i>)	..	..	0.00	0.00	0.00	0.00	0.00	0.43
Chital/Phali (<i>Notopterus chitala/N.notopterus</i>)	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Koi (<i>Anabas testudineus</i>)	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Singi/Magur (<i>Heteropneustes fossilis/Clarias batrachus</i>)	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Sarpunti (<i>Puntius sarana</i>)	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Thai Sarpunti	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Punti (<i>Puntius Spp.</i>)	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Others	..	..	1.61	0.00	0.00	0.19	1.98	3.59
TOTAL	..	..	100	100	100	100	100	100

Catch (Cultured) by District, 1993-94

[illegible]

Species	Tang	Bage	Barg	Bari	Bhol
Rui (<i>Labeo rohita</i>)	29.50	7.41	41.08	26.63	27.13
Catla (<i>Catla catla</i>)	26.97	11.11	27.27	52.28	37.94
Mrigal (<i>Cirrhinus mrigala</i>)	21.41	22.22	8.42	12.50	27.48
Kalbasu (<i>Labeo calbasu</i>)	0.71	0.00	0.00	0.00	0.00
Mixed Carp	2.59	0.00	0.00	0.00	0.00
Silver Carp (<i>Hypophthalmichthys molitrix</i>)	7.70	0.00	21.55	4.35	4.43
Grass Carp (<i>Ctenopharyngodon idellus</i>)	0.00	14.81	0.00	0.00	0.00
Mirror Carp (<i>Cyprinus Carpio</i> var. <i>specularis</i>)	0.97	0.00	0.00	0.00	0.00
Tilapia (<i>Oreochromis mossambicus</i> /O. <i>niloticus</i>)	1.23	44.44	0.00	4.24	0.00
Shrimp	0.00	0.00	0.00	0.00	0.00
Aor (<i>Mystus aor</i> /Mystus <i>Seenghala</i>)	0.32	0.00	0.00	0.00	0.00
Boal (<i>Wallago attu</i>)	0.00	0.00	0.00	0.00	0.00
Shol/Gazar & Taki (<i>Channa Spp.</i>)	2.59	0.00	0.00	0.00	0.00
Chital/Phali (<i>Notopterus chitala</i> /N. <i>notopterus</i>)	0.00	0.00	0.00	0.00	0.00
Koi (<i>Anabas testudineus</i>)	1.36	0.00	0.00	0.00	0.00
Singi/Magur (<i>Heteropneustes fossilis</i> /Clarias <i>batrachus</i>)	3.17	0.00	0.00	0.00	0.00
Sarpunti (<i>Puntius sarana</i>)	0.00	0.00	0.00	0.00	0.00
Thai Sarpunti	0.00	0.00	0.00	0.00	0.00
Punti (<i>Puntius Spp.</i>)	0.00	0.00	0.67	0.00	0.00
Others	1.49	0.00	1.01	0.00	3.01
TOTAL	100	100	100	100	100

[illegible]

Species	Piro	Satk	Bogr	Dina	Gaib
Rui (<i>Labeo rohita</i>)	24.53	34.94	21.06	14.07	15.18
Catla (<i>Catla catla</i>)	37.73	20.94	17.05	23.10	17.49
Mrigal (<i>Cirrhinus mrigala</i>) ..	27.02	11.16	17.84	13.08	12.21
Kalbasu (<i>Labeo calbasu</i>) ..	10.71	0.52	0.00	0.00	0.00
Mixed Carp	0.00	8.58	1.00	0.00	0.00
Silver Carp (<i>Hypophthalmichthys molotrix</i>) ..	0.00	11.07	40.69	28.64	24.42
Grass Carp (<i>Ctenopharyngodon idellus</i>) ..	0.00	0.00	0.86	0.00	20.13
Mirror Carp (<i>Cyprinus Carpio</i> var. <i>specularis</i>)	0.00	0.00	0.00	0.00	1.65
Tilapia (<i>Oreochromis mossambicus</i> / <i>O. niloticus</i>)	0.00	2.49	0.00	0.00	0.00
Shrimp	0.00	0.00	0.00	0.00	7.26
Air (<i>Mystus aor</i> / <i>Mystus Seenghala</i>) ..	0.00	0.00	0.00	0.00	0.00
Boal (<i>Wallago attu</i>)	0.00	0.00	0.00	0.00	0.00
Shol/Gazar & Taki (<i>Channa Spp.</i>) ..	0.00	0.26	0.21	0.33	0.00
Chital/Phali (<i>Notopterus chitala</i> / <i>Mnotopterus</i>) ..	0.00	0.00	0.00	0.00	0.00
Koi (<i>Anabas testudineus</i>)	0.00	0.26	0.00	4.72	0.00
Singi/Magur (<i>Heteropneustes fossilis</i> / <i>Clarias batrachus</i>)	0.00	0.60	0.00	4.88	0.00
Sarpunti (<i>Puntius sarana</i>)	0.00	0.00	0.00	0.08	0.00
Thai Sarpunti	0.00	0.00	0.00	0.00	0.00
Punti (<i>Puntius Spp.</i>)	0.00	4.29	0.43	6.21	0.33
Others	0.00	4.89	0.86	4.88	1.32
TOTAL	100	100	100	100	100

Jayp	Kuri	Lalm	Naog	Nato	Nawa	Nilp	Pabn	Panc;	Rajs
20.79	21.74	25.05	20.79	27.18	6.73	14.07	15.40	29.54	27.30
12.87	17.99	15.51	12.87	25.89	7.79	23.10	18.66	34.38	25.65
7.92	25.34	20.68	7.92	14.56	6.62	13.08	24.86	17.19	16.45
0.00	0.00	0.00	0.00	16.18	0.28	0.00	0.00	0.00	0.00
10.56	32.83	28.23	10.56	8.09	0.00	0.00	0.00	0.00	0.00
4.95	0.00	7.36	4.95	3.24	17.91	28.64	35.42	3.15	19.34
2.97	0.00	0.40	2.97	0.00	0.00	0.00	1.29	5.33	5.01
0.00	0.00	0.00	0.00	1.62	3.17	0.00	0.41	0.00	5.42
0.00	0.00	0.00	0.00	3.24	54.28	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.57	0.00	0.00	9.57	0.00	0.00	0.33	1.23	0.00	0.00
0.99	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00
2.97	0.00	0.00	2.97	0.00	0.00	4.72	0.41	0.00	0.00
1.65	0.00	0.00	1.65	0.00	1.33	4.88	0.27	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.78	0.78	0.00	0.00	0.00
6.60	0.00	0.00	6.60	0.00	1.11	6.21	0.27	0.00	0.00
18.15	2.10	2.78	18.15	0.00	0.00	4.88	1.77	10.41	0.82
100	100	100	100	100	100	100	100	100	100

Species	Rang	Sira	Thak	Brah	Chan	Chi
Rui (<i>Labeo ruhi</i>)	27.66	30.59	21.41	23.30	28.63	17.44
Catla (<i>Catla catla</i>)	55.32	28.60	27.57	41.32	19.15	21.88
Mrigal (<i>Cirrhinus mrigala</i>)	0.00	28.82	17.60	11.80	25.00	16.92
Kalbasu (<i>Labeo calbasu</i>)	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Carp	0.00	2.74	0.00	0.00	27.22	14.26
Silver Carp (<i>Hypophthalmichthys molitrix</i>)	11.56	0.32	12.32	23.58	0.00	0.00
Grass Carp (<i>Ctenopharyngodon idellus</i>)	0.00	0.00	4.99	0.00	0.00	0.00
Mirror Carp (<i>Cyprinus Carpio</i> var. <i>specularis</i>)	2.21	0.00	0.00	0.00	0.00	0.00
Tilapia (<i>Oreochromis mossambicus</i> /O. <i>niloticus</i>)	0.00	0.00	0.00	0.00	0.00	5.20
Shrimp	0.00	0.00	0.00	0.00	0.00	0.00
Air (<i>Mystus aor</i> /Mystus <i>Seenghala</i>)	0.00	0.00	0.00	0.00	0.00	0.69
Boal (<i>Wallago attu</i>)	0.00	0.00	0.00	0.00	0.00	0.87
Shol/Gazar & Taki (<i>Channa Spp.</i>)	0.00	0.00	0.00	0.00	0.00	0.40
Chita /Phali (<i>Notopterus chitala</i> /N. <i>rotopterus</i>)	0.00	0.00	0.00	0.00	0.00	0.52
Koi (<i>Anabas testudineus</i>)	0.00	0.00	0.29	0.00	0.00	0.23
Singi/Magur (<i>Heteropneustes fossilis</i> /Clarias <i>batrachus</i>)	0.00	0.00	0.29	0.00	0.00	0.29
Sarpunti (<i>Puntius sarana</i>)	0.00	0.00	0.00	0.00	0.00	0.00
Thai Sarpunti	0.00	0.00	0.00	0.00	0.00	0.00
Punti (<i>Puntius Spp.</i>)	0.00	0.05	0.00	0.00	0.00	2.48
Others	3.25	8.87	15.54	0.00	0.00	18.82
TOTAL	100	100	100	100	100	100

[illegible]

TABLE—16

Species Composition (Percentage of weight) of Pond Catch (Cultured, Culturable, (Derelict)
1993-94

Species	Cultured %	Cultur- able %	Derelict %	Coun- try %
Rui (<i>Labeo rohita</i>)	26.74	5.99	2.12	22.03
Catla (<i>Catla catla</i>)	24.49	6.68	1.96	20.36
Mrigal (<i>Cirrhinus mrigala</i>)	14.96	3.58	2.78	12.73
Kalbasu (<i>Labeo calbasu</i>)	3.03	0.58	0.16	2.07
Mixed Carp	5.66	0.97	1.04	3.84
Silver Carp (<i>Hypophthalmichthys molotrix</i>) ..	14.60	2.50	2.53	12.08
Grass Carp (<i>Ctenopharyngodon idellus</i>) ..	1.81	0.01	0.10	1.33
Mirror Carp (<i>Cyprinus Carpio</i> var. <i>specularis</i>)	1.15	0.10	0.01	1.03
Tilapia (<i>Oreochromis mossambicus</i> / <i>O. niloticus</i>)	2.71	2.55	1.01	2.82
Shrimp	0.16	1.71	2.22	0.59
Aor (<i>Mystus aor</i> / <i>Mystus Seenghala</i>) ..	0.04	0.70	0.72	0.18
Boal (<i>Wallago attu</i>)	0.08	1.28	1.78	0.38
Shol/Gazar & Taki (<i>Channa Spp.</i>) ..	0.20	9.94	15.13	2.90
Chital/Phali (<i>Notopterus chitala</i> / <i>N. notopterus</i>)	0.24	1.44	2.08	0.60
Koi (<i>Anabas testudineus</i>)	0.23	5.20	9.26	1.72
Singi/Magur (<i>Heteropneustes fossilis</i> <i>Clarlas</i> <i>batrachus</i>)	0.27	6.49	10.45	2.04
Sarpunti (<i>Puntius sarana</i>)	0.27	0.15	0.39	0.23
Thai Sarpunti	0.02	0.03	0.06	0.05
Punti (<i>Puntius Spp.</i>)	0.64	8.55	10.57	2.72
Others	2.70	41.55	35.63	10.30
TOTAL	100	100	100	100

Source : Based on sample survey.

TABLE-17

Annual Total Catch of Baors
1993-94

Old District				Area of Baors in Hectare	Catch of Baors in Metric Ton
Faridpur	..	..	..	965	347
Jessore	..	..	..	2,734	1,210
Khulna	..	..	..	331	119
Khustia	..	..	..	1,458	525
TOTAL	..	..	..	5,488	2,201

(i) Catch rate of Govt. managed 7 Baors @ 525 kg/ha.

(ii) Catch rate of Private managed Baors @ 360 kg/ha. (Sample Baors)

Govt. managed Baors : Bergobindapur, Baluhar, Joydia, Fatehpur
Marjad, Katbgara, & Jampa.

Private managed sample Baors : Sirisdia, Baonidaha, Simulia, Koringcha
Sarjad & Rajapur.

Source : Area —SPARRSO Report.
Productivity —Catch Assessment Survey.

TABLE-18

Species Composition (% of weight) of Baor Catch
1993-94

Species				Govt. Baor	Private Baor
Major Carp	..	..	..	30.00	55.00
Other Carp	..	..	..	..	..
Exotic Carp	..	..	..	60.00	35.00
Cat Fish ..	..	..	..	..	1.00
Snake Head	..	..	..	..	4.75
Live Fish	..	..	..	..	..
Other Fish	..	..	..	10.00	3.45
Shrimp ..	..	..	..	..	0.80
TOTAL	..	..	..	100	100

Source : Based on sample baors study by Fisheries Resources Survey System.

TABLE-19

Annual Total Catch of Shrimp Farm 1993-94

District	Area of Shrimp Farms in Hectare	Catch in Metric Ton		Total
		Shrimp	Fish	
Chittagong Division—				
Chittagong	807.06	180.00	32.00	212.00
Cox's Bazar	28908.75	4895.00	1301.00	6196.00
Noakhali	65.18	6.00	4.00	10.00
Feni	4.86	1.00	0.17	1.17
Laxmipur	5.30	1.00	0.19	1.19
Chandpur	0.36	0.05	0.02	0.07
SUB TOTAL	29791.51	5083.05	1337.38	6420.43
Khulna Division—				
Khulna	28619.00	7097.00	2289.00	9386.00
Bagerhat	45835.02	8096.00	3896.00	11992.00
Satkhira	29544.16	7338.00	3398.00	10736.00
Jessore	343.60	45.00	50.00	95.00
Jhenidah	6.40	2.00	8.00	10.00
Magura	4.25	New	Farm	..
Narail	272.08	New	Farm	..
SUB TOTAL	104624.51	22578.00	9641.00	32219.00
Barisal Division—				
Barisal	64.39	6.00	3.00	9.00
Pirojpur	2277.56	535.00	114.00	649.00
Bhola	84.00	6.00	4.00	10.00
Jhalkathi	51.43	New	Farm	..
Patuakhali	245.92	31.00	14.00	45.00
Barguna	618.00	49.00	25.00	74.00
SUB TOTAL	3341.30	627.00	160.00	787.00
Dhaka Division—				
Dhaka	4.00	New	Farm	..
Faridpur	0.59	New	Farm	..
Gopalganj	138.63	9.00	2.00	11.00
Madaripur	39.46	5.00	5.00	10.00
Sariatpur	1.42	New	Farm	..
Rajbari	1.70	New	Farm	..
Jamalpur	1.06	New	Farm	..
Kishoregonj	52.25	New	Farm	..
SUB TOTAL	239.11	14.00	7.00	21.00
TOTAL	137996.43	28302.05	11145.38	39447.43

Source : Shrimp Farm Survey 1994 & Catch Assessment Survey.

TABLE-20

Regionwise Species Composition of Shrimp Catch (% of weight) from
Shrimp Farms
1993-94

Species	..	..	..	Khulna Zone	Chittagong Zone	Others
Bagda (<i>P. monodon</i>)	..	..	..	70.55	64.89	19.50
Golda (<i>M. rosenbergii</i>)	..	..	..	0.48	..	65.00
Honna (<i>Metapenaeus monoceros</i>)	..	..	..	19.37	15.66	..
Chaka (<i>P. indicus</i>)	..	..	..	2.84	8.03	..
Other Shrimp	..	..	..	6.76	11.42	15.50
TOTAL	..	..	..	100	100	100

Source ; Shrimp Farm Survey 1994 & Based on Sample Shrimp Farms Study

TABLE-21

Species Group-wise Catch in Inland Fisheries by Sector
1993-94

Species	River	Sundarban	Beel	Subsistence	Baor	Pond	Kaptai Lake	(Unit : Metric Ton)		
								Shrimp farm	Total	% of Weight
Major Carp	1,875	..	13,203	25,169	1,031	122,665	103	..	164,046	19.59
Other Carp	1,410	..	5,198	..	..	4,607	181	..	11,396	1.36
Exotic Carp	..	..	..	..	950	46,956	61	..	47,967	5.73
Cat Fish	5,347	..	16,066	5,337	15	2,581	315	..	29,661	3.54
Snake Head	247	..	2,891	52,972	70	6,454	62	..	62,696	7.49
Live Fish	392	..	1,640	58,272	..	8,368	..	..	68,672	8.20
Other Inland Fish	41,094	6,234	14,843	193,785	123	29,598	5,913	11,145	302,735	36.14
Hilsa/Ilish	70,938	432	..	..	..	..	..	..	71,370	8.52
Big Shrimp & Prawn	738	274	..	2,885	..	..	..	26,097	29,994	3.58
Small Shrimp & Prawn	21,384	187	1,751	22,177	12	1,313	..	2,205	49,029	5.85
TOTAL	..	143,425	7,127	55,592	360,597	2,201	222,542	6,635	837,566	100

Source : Catch Assessment Survey.

TABLE-23
Species Group-wise Catch in Marine Fisheries by Type of Fishing Gear
1993-94

(Unit : Metric Ton)

Sector	Species									
	Hilsa	Bambay Duck	Indian Salmon	Pomfret	Jew Fish	Cat Fish	Sharks & Rays	Other Marine Fish	Shrimp	Total
A. Industrial										
(1) Trawl Fishing	...	27	1,077	180	2,782	1,050	360	3,499	3,479	12,454
B. Artisanal										
(1) Gill Net Fishing										
(a) Mechanised	.. 103,839	..	1,351	1,876	1,676	5,029	1,690	9,646	..	125,107
(b) Non-machanised	.. 17,322	..	..	96	1,155	230	..	444	..	19,247
SUB-TOTAL	.. 121,161	..	1,351	1,972	2,831	5,259	1,690	10,090	..	144,354
(2) Set Bag Net Fishing										
(a) Seasonal	.. ..	9,624	..	480	..	..	..	33,201	4,813	48,118
(b) All Seasonal		8,656	..	..	255	306	51	4,735	11,457	25,460
SUB-TOTAL		18,280	..	480	255	306	51	37,936	16,270	73,578

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TABLE-24

Comparison of Annual Total Catch of 1993-94 with Those of 1992-93

Sector of Fisheries	Annual Total Catch (M.T)		Increase (B)-(A)	Percent Increase
	1992-93 (A)	1993-94 (B)		
A. Inland Fisheries—				
(a) Capture				
1. River & Eistuaries Except Sundarban Area	138746	143425	4679	3.4
2. Sundarban.. ..	6939	7127	188	2.7
3. Beels	53019	55592	2573	4.9
4. Kaptai Lake	4142	6635	2493	60.2
5. Flood Lands	329573	360597	31024	9.4
CAPTURE TOTAL	532,419	573,376	40957	7.7
(b) Culture				
1. Ponds	202,167	222,542	20375	10.1
2. Baors	1,803	2,201	398	22.1
3. Shrimp Farms	33,773	39,447	5674	16.8
CULTURE TOTAL	237,743	264,190	26447	11.1
INLAND TOTAL	770,162	837,566	67404	8.8
B. Marine Fisheries—				
(a) Industrial Fisheries (Trawl)	12,227	12,454	227	1.9
(b) Artisanal Fisheries	238,265	240,590	2325	1.0
Marine Total	250,492	253,044	2552	1.0
COUNTRY TOTAL	1,020,654	1,090,610	69956	6.9

TABLE-25

Production of Carp-Hatchling in Bangladesh
1994

Sources of Production	Quantity of Hatchling Produced (kg)
A. Natural Sources	5,871.52
B. Artificial Sources ..	
(i) Govt. Hatcheries/Fish Seed Farms ..	2,852.00
(ii) F.R.I.	328.47
(iii) Private Hatcheries	69,355.50
TOTAL	78,407.49

TABLE-26

**Information on Hatchlings Production in Govt. Hatcheries and Fish Seed Farms,
1994**

Hatchery	No. of Hatcheries	Quantity of Hatchling Produced (kg.)
1. Fish Seed farms and Hatcheries of		
(a) Dhaka Division	18	518.00
(b) Chittagong Division	21	298.00
(c) Khulna Division	20	377.00
(d) Rajshahi Division	21	856.00
(e) Barisal Division	5	67.00
2. Central Hatchery of Baor Dev. Project (Jhenidah)	1	250.00
3. Raipur Fish Hatchery and Training Centre ..	1	189.00
4. Gulshan Lake Hatchery	1	..
5. Hatchery of Fishery Research Institute, Mymensingh	1	308.07
6. Hatchery of Riverine Fishery Research Institute, Chandpur.	1	20.40
7. Parbatipur Hatchery	1	86.00
8. Faridpur Training & Extension Centre ..	1	32.00
9. Integrated Fisheries Development Project ..	10	179.00
TOTAL	102	3180.47

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

TABLE-27

Production of Hatchling (4-5 days old fry) from Hatcheries in Private Sector in 1994 (Division-wise)

Division					No. of Hatcheries	Quantity of Hatchlings (4-5 days old fry) Produced (kg)
Chittagong	..	..	..	..	116	19,421.00
Dhaka	..	..	..	..	33	1,515.00
Rajshahi	..	..	..	..	104	15,347.00
Khulna	..	..	..	..	164	31,792.50
Barisal	..	..	..	..	22	1,280.00
TOTAL					439	69,355.50

TABLE-28

Report of Carp Spawn/Fertilized Egg Collection from Natural Sources-1994

District	Thana	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
Kurigram	Sadar	Jarapur hat	Jamuna	5	41	68	3	06-06-94—24-06-94	1	21.50	700	1000
	Chilmari	Chilmari	"	1	5	20	1	16-06-94—22-06-94	1	10.00		
Sub-Total				6	46	88	4			31.50		
Sirajganj	Sadar	Sirajganj ghat	"	10	40	256	7	27-05-94—30-05-94	3	284.500	2000	
	Balcuchi	Balcuchi	"	10	49	290	9	26-05-94—29-06-94	1	398.50	5000	7000
	Kazipur	Kazipur	"	5	10	125	5	15-06-94—06-07-94	1	276.00	1000	3000
	Sub-Total			25	99	671	21			959.00		
Jamalpur	Sarisabari	Sarisabari	"	3	72	76	6	29-05-94—30-06-94	1	17.50	4000	
	Dawanganj	Polakandi, Bahadurabad ghat	"	3	36	60	3	25-06-94—03-07-94	2	75.00	1000	

Islampur	Islampur	"	8	80	160	16	May'94—July'94	1	34.00
Madarganj	Atamari	"	1	16	50	2	20-05-94—05-06-94	1	28.00
Sub-Total	5		15	204	346	27			154.50
Bogra	Sariakandi	Dhigalkandi, Manikdair	3	19	50	3	02-07-94—05-07-94 28-07-95—30-07-94	2	45.00
	Sonadanga	Sonadanga	10	137	460	20	05-06-94 19-06-94—23-06-94	2	1120.00
Sub-Total	3		13	156	510	23			1165.00
Manikganj	Shivalaya	K.D.C. ghat	5	5	90	1	07-06-94—08-06-94 14-06-94—17-06-94	3	133.85
	Daulatpur	Daulatpur	1	4	20	1	05-06-94—08-07-94	1	4.40
Sub Total	2		6	9	110	2			138.25
Pabna	Bera	Bera	15	10	15	..			225.00
Sub-Total	1		15	10	15	-			225.00
Jamuna	Total	16	80	524	1740	77			2673.25
Rajshahi	Bhaga	Chandpur	5	39	24	2	27-07-94—28-07-94 10-08-94—11-08-94	2	18.5
	Charghat	Mukurpur, Yousufpur	86	168	360	14	04-07-94—15-08-94	2	275.00
	Paba	Sonykandi, Berpara	45	130	700	45	20-07-94—15-08-94	2	295.00
Sub Total	5		136	337	1084	61			588.50

District	Thana	Collection Centre	Name of river	Number of					Collection Period	Frequency of Spawning Time	Quantity of Spawned Egg Caught (kg)	Sale Rate Tk./kg.	Remarks
				Savar	People	Net Boat	Engaged	Used					
1	2	3	4	5	6	7	8	9	10	11	12	13	
Pabna	Ishardi	Ishardi	Upper	2	..	2	..	26-07-94—01-08-94		5.00			
	Sujanagar	Sujanagar	Padma	15	..	15	..	26-07-94—01-08-94		70.00			
	Sub Total	2		17	..	17	..			75.00			
Kushtia	Daulatpur	Baigairchar	"	7	28	76	..	18-07-94—24-07-94 07-08-94—08-08-94		26.20	1600	2200	
	Bheramara	G.K. Channel	"	8	24	80	8	15-06-94—30-06-94 01-07-94—21-07-94	2	82.90	2000	3000	
	Sub Total	2		15	52	156	8			109.10			
Upper Padma Total				9	168	389	1257	69		772.60			
Faridpur	Sadar	Nayartek, C & B Ghat	Lower Padma	92	123	1586	92			1325.00	..	..	
	Char Bhadrasan	Gopalpur	"	8	5	13	..	..	..	80.00	..	..	
	Sub-Total	3		100	128	1599	92	..	..	1405.00			

Rajbari	Goalundo	Masudpur		12	66	12	12		109.00
		Jalmahal							
Sub-Total	1			12	66	12	12		109.00
Lower Padma Total	4			112	194	1611	104		1514.00
Upper + Lower Padma Total	13			280	583	2868	173		2286.60
Faridpur	Modhukhali	Tarapur, Kuraniar char	Modhumati	7	17	88	7	02-07-94—04-08-94	16.50
Sub-Total	2			7	17	88	7		16.50
Magura	Sadar	Paturia, Koachund		3	124	6	4	25-06-94—03-07-94	1 4.87 1800 2200
Sub-Total	2			3	124	6	4		4.87
Rajbari	Baliakandi	Baliakandi	Garai	24	68	705	29	July—September	81.00
Sub-Total	2			24	68	705	29		81.00
Garai—Modhumati Total	6			34	209	799	40		102.37
Faridpur	Sadarpur	Charmanar	Arial Khan	8	10	80	8	07-06-94—16-06-94	17.00
Arial Khan Total	1			8	10	80	8		17.00

District	Thana	Collection Centre	Name of river	Number of			Collection Period	Frequency of Spawning Time	Quantity of Spawned 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
Rajshahi	Charghat	Miapur Charghat Bridge	Boral	38	70	150	6	15-07-94-20-08-94	2	70.00	400
Boral Total				38	70	150	6			70.00	
Tangail	Nagarpur	Alasinghat	Dhaleshwari	15	70	300	20	03-06-94-28-06-94	1	69.75	3000 4000
	Delduar	Agalashin	"	4	7	80	4	28-04-94-30-04-94 14-05-94-17-05-94		9.80	3000 4000
Sub-Total				19	77	380	24			79.55	
Manikganj	Saturia	Gopalpur	"	5	16	159	5	07-05-94-25-05-94 08-06-94	2	22.00	1500 2000
Sub-Total				5	16	159	5			22.00	
Dhaleshwari Total				24	93	539	29			101.55	

Manikganj	Sadar	Taraghat, Baottha, Ranaghat Zabra	Kaliganga	5	24	99	5	24-05-94—14-06-94	1	60.50	1000	3000
Ghior;			"	4	5	68	4	14-06-94—30-06-94	1	9.25	1200	1500
Kaliganga	Total	4		9	29	167	9			69.75		
Chittagong	Hathazari	Angurighona, Gharduna Gahira, Sonairmukh, Chapalirghat Guzra	Halda	139	365	356	395		1	551.00	5400	
Halda	Total	6		139	365	356	395			551.00		
Country	Total	52		612	1883	6699	737			5871.52		

TABLE-2

Shrimp Area Statistics of Bangladesh

(Area in Hectare)

Districts	1983-84	1984-85	1985-86	1987-88	1988-89	1993-94	Rate of Increase % (from base year)
Chittagong & Cox's Bazar	19,531	23,437	24,755	24,755	27,453	29,717	52
Khulna, Satkhira & Bagerhat	31,817	39,453	62,120	68,363	79,728	103,998	227
Jessore ..	422	523	328	690	690	626	48
Patuakhali ..	42	52	26	64	326	246	486
Noakhali ..	..	..	26	26	61	75	188
Barisal ..	..	781	45	112	22	3,095	296
Dhaka Division ..	..	..	..	..	..	239	..
Total ..	51,812	64,246	87,300	94,101	108,280	137,996	166

*In 1993-94, a detail survey was carried out by Thana Fishery Offices & Asstt. Fishery Officers of DoF to know the current shrimp cultured area.

*Table 29 & 30, it is noticed that shrimp culture production & area are increasing day by day. It is a good sign for shrimp culture activities. People are very much interested in shrimp culture to earn foreign currency by exporting shrimp which is shown in table-30.

EXPORT OF FISH AND FISH-PRODUCTS FROM BANGLADESH

TABLE-
EXPORT OF FISH AND FISH-PRODUCTS

Year	Frozen Shrimp		Frozen Frog Leg		Frozen Fish		Dry Fish	
	Quan	Value	Quan	Value	Quan	Value	Quan	Value
1983-84	8818	155.50	2495	19.25	2817	14.17	74	0.86
1984-85	12682	199.45	1365	10.27	3297	14.77	47	0.55
1985-86	13631	269.31	2463	30.07	5017	36.50	785	10.06
1986-87	16275	341.75	2168	30.56	4046	35.41	402	4.90
1987-88	15023	361.17	2708	42.42	4191	28.35	475	6.69
1988-89	15386	382.03	2683	43.82	2427	22.59	567	13.89
1989-90	17505	414.31	730	10.29	3484	25.58	1278	23.40
1990-91	17985	451.22	318	7.36	5702	41.40	427	5.75
1991-92	16730	455.73	771	11.09	2604	30.10	892	14.11
1992-93	19224	604.03	..	..	2704	38.31	1042	12.26
1993-94	22054	787.73	..	..	3125	51.18	2473	41.83
1994-95	26277	1045.67	..	..	9267	180.26	521	8.39

Source : Export Promotion Bureau.

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FROM BANGLADESH

[Quantity in Tons]
[Value in Crore Taka]

Salted & Dehydrate Fish		Turtles/Tortoise Crab		Shark fin & Fish maws		Total		% of Total
Quan	Value	Quan	Value	Quan	Value	Quan	Value	
283	3.21	440	2.52	43	1.30	14970	196.81	9.89
382	3.66	425	2.43	108	2.12	18306	233.25	9.66
422	4.95	679	4.11	50	1.25	23048	356.25	14.65
295	3.84	461	4.10	114	3.49	23761	424.05	12.99
372	4.81	524	6.06	130	4.62	23423	454.12	11.93
293	4.12	293	2.65	68	2.77	21719	471.89	11.51
161	1.44	146	0.95	35	2.80	23339	478.77	9.62
1194	13.95	405	3.22	78	3.72	26109	526.62	8.64
80	1.39	938	6.52	65	5.41	22080	524.35	6.91
399	9.84	2800	21.60	238.39	14.25	26607.39	700.29	7.57
50	1.06	4088	36.37	45	2.79	31835	920.96	9.12
649	15.35	4760	40.67	212	16.60	41686	1306.94	9.38

TABLE °
FISH PRODUCTION OF

Source	Year-wise			
	1984-85	1985-86	1986-87	1987-88
A. INLAND WATER---	586,416	586,522	597,106	599,523
(a) Inland Openwater (Capture)	462,605	441,799	431,006	423,598
(1) River & Estuaries ..	213,057	199,600	195,117	183,817
(2) Sundarban ..	6,825	7,112	6,035	8,066
(3) Depression (Beels) ..	45,893	45,258	42,077	45,610
(4) Kaptai Lake ..	2,700	2,433	3,981	4,068
(5) Flood Land ..	194,130	187,396	183,796	182,037
(b) Inland Closewater (Culture)	123,811	144,723	166,100	175,925
(1) Ponds ..	111,567	123,804	142,876	149,423
(2) Ox-bow Lake (Baors)	962	968	1,174	1,254
(3) Shrimp Farm ..	11,282	19,951	22,050	25,248
B. MARINE FISHERIES---	187,563	207,401	217,579	227,582
(b) Industrial ..	12,440	11,898	12,356	10,395
(a) Artisanal ..	175,123	195,503	205,223	217,187
COUNTRY TOTAL	773,979	793,923	814,685	827,105

BANGLADESH

Production in M.T.

1988-89	1989-90	1990-91	1991-92	1992-93	1993-94
607,645	616,464	654,397	706,605	770,162	837,566
424,140	423,872	443,404	479,742	532,419	573,376
181,140	173,410	135,355	124,843	138,746	143,425
6,416	6,393	6,651	6,297	6,939	7,127
47,019	46,594	47,923	49,201	53,019	55,592
3,439	3,713	4,392	4,216	4,142	6,635
186,126	193,762	249,083	295,185	329,573	360,597
183,505	192,592	210,993	226,863	237,743	264,190
155,012	163,730	181,018	195,034	202,167	222,542
1,321	1,357	1,544	1,682	1,803	2,201
27,172	27,505	28,431	30,147	33,773	39,447
233,281	239,063	241,538	245,474	250,492	253,044
10,353	11,379	8,760	9,623	12,227	12,454
222,928	227,684	232,778	235,851	238,265	240,590
840,926	855,527	895,935	952,079	1,020,654	1,090,610

