



FISH CATCH STATISTICS OF BANGLADESH

1991-92

DEPARTMENT OF FISHERIES



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DEPARTMENT OF FISHERIES

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PREFACE

The present report is the eighth in the series of the Fish Catch Statistics of Bangladesh for the financial year 1991-92 (July 1991 to June 1992).

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 are also presented in the report. The catch is estimated on the basis of the frame data of water area & fishing units acquired during 1981-1983 by old district. The frame now need to be updated by 64 new district. We have a plan to update the frame & present catch statistics by 64 new district in near future.

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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TABLE-1

Annual Total Catch and Area Productivities by Sectors of Fisheries for
July 1991—June 1992.

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	124,843	121
2. Sundarban	..	6,297	..
3. Beels	114,161	49,201	431
4. Kaptai Lake	68,800	4,216	61
5. Flood Lands	2,832,792	295,185	104
Capture Total	4,047,316	479,742	50.4%
(b) Culture			
1. Ponds	146,890	195,034	1,328
2. Baors	5,488	1,682	306
3. Shrimp Farms	108,280	30,147	27
Culture Total	260,658	226,863	23.8%
Inland Total	4,307,974	706,605	74.2%
B. Marine Fisheries			
(a) Industrial Fisheries (Trawl)	..	9,623	..
(b) Artisanal Fisheries	..	235,851	..
Marine Total	..	245,474	25.8%
COUNTRY TOTAL	..	952,079	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
1991-92

(Unit : Metric Ton)

Species	Inland Fisheries	Marine Fisheries	Total	%
Major Carp	140,957	..	140,957	14.81
Other Carp	9,875	..	9,875	1.04
Exotic Carp	30,197	..	30,197	3.17
Cat Fish	27,788	..	27,788	2.92
Snake Head	32,306	..	32,306	3.39
Live Fish	42,215	..	42,215	4.43
Other Inland fish	273,534	..	273,534	28.73
Hilsa/Illish	68,356	120,106	188,462	19.79
Bombay Duck (<i>Harpondon nehereus</i>)	..	19,197	19,197	2.02
Indian Salmon (<i>Polydactylus indicus</i>)	..	2,138	2,138	0.22
Pomfret (<i>Rup-Hail-3Foli Chanda</i>)	..	3,357	3,357	0.35
Jew Fish (<i>Poa, Lambu, Kaladatina etc.</i>)	..	11,576	11,576	1.22
Sea Cat Fish (<i>Tachysurus Spp.</i>)	..	11,106	11,106	1.17
Sharks, Skates & Rays	..	4,008	4,008	0.42
Other Marine Fish	..	53,944	53,944	5.67
Shrimp	81,377	20,042	101,419	10.65
TOTAL	706,605	245,474	952,079	100
%	74.22	25.78	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, 1991-92
(Unit : Metric Ton)

Old District	River & Estuaries	Sundarban	Beel	Kaptai Lake	Flood Land	Pond	Baor	Shrimp Farm	Total
Chittagong & C.H. Ts.	18,446	..	184	4,216	18,518	19,022	..	4,917	65,303
Comilla	14,710	..	444	..	40,567	28,496	..	..	84,217
Noakhali	23,474	..	1	..	20,213	12,860	..	11	56,559
Sylhet	7,239	..	19,393	..	25,126	7,380	..	..	59,138
Dhaka	3,305	..	1,276	..	30,359	6,613	..	..	41,553
Faridpur	968	..	662	..	18,638	5,865	232	..	26,365
Jamalpur	588	..	..	..	8,042	1,974	..	..	10,604
Mymensingh	5,001	..	14,315	..	31,203	12,947	..	..	63,466
Tangail	882	..	721	..	8,749	1,856	..	..	12,208
Barisal	29,479	..	23	..	14,551	13,569	..	7	57,629
Jessore	2,020	..	1,046	..	12,690	19,064	1,021	215	36,056
Khulna	4,909	6,297	76	..	15,969	9,169	79	24,895	61,394
Kushtia	146	..	456	..	1,998	1,557	350	..	4,507
Patuakhali	8,707	..	..	..	6,587	8,341	..	102	23,737
Bogra	367	..	1,315	..	5,847	8,810	..	..	16,339
Dinajpur	101	..	155	..	4,468	9,979	..	..	14,703
Pabna	1,943	..	1,198	..	11,366	5,815	..	..	20,322
Rajshahi	1,226	..	6,131	..	10,413	18,668	..	..	36,438
Rangpur	1,332	..	1,805	..	9,881	3,049	..	..	16,067
TOTAL	124,843	6,297	49,201	4,216	295,185	195,034	1,682	30,147	706,605
%	17.67	0.89	6.96	0.60	41.78	27.60	0.24	4.27	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 1991-92
(Unit: Metric Ton)

Old District	Principal River					Other Rivers	Total
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahmaputra	
Chittagong & C.H.Ts.							
Cornilla	..	3437	..	..	..	..	18446
Noakhali	..	..	..	..	..	..	5123
Sylhet	..	58	..	..	..	..	292
Dhaka	..	735	532	..	854	..	7181
Faridpur	..	..	216	57	..	..	1184
Jamalpur	..	..	..	..	260	15	568
Mymensingh	..	1178	..	..	..	..	313
Tangail	..	..	..	..	319	..	3823
Barisal	..	19377	..	..	..	..	563
Jessore	..	..	..	..	..	..	10102
Khulna	..	..	..	..	..	..	2020
Kushtia	..	..	..	37	..	..	4909
Patuakhali	..	..	..	..	..	..	109
Bogra	..	..	..	..	123	..	8707
Dinajpur	..	..	..	..	..	..	244
Pabna	..	..	..	429	480	..	101
Rajshahi	..	..	..	370	..	..	1034
Rangpur	..	..	..	..	217	376	856
TOTAL	48836	5408	748	893	2253	391	66314
%	39.12	4.33	0.60	0.72	1.80	0.31	53.12
							100

SOURCE : Catch Assessment Survey.

TABLE-5
Annual Total Catch in Principal Rivers, 1991-92

(Unit : Metric Ton)

(a) Annual Catch 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	98	201	0	0	45546	81	758	2152	48836
Upper Meghna	386	109	490	0	0	806	99	956	2562	5408
Sub-Total ..	386	207	691	0	0	46352	180	1714	4714	54244
Lower Padma	40	3	29	0	0	450	0	6	220	748
Upper Padma	23	2	29	0	0	280	7	51	501	893
Sub-Total ..	63	5	58	0	0	730	7	57	721	1641
Jamuna	50	49	151	1	0	212	2	132	1656	2253
Brahmaputra	37	1	130	0	0	2	0	16	205	391
Sub-Total ..	87	50	281	1	0	214	2	148	1861	2644
TOTAL ..	536	262	1030	1	0	47296	189	1919	7296	58529

(b) Percentage by Species

(Unit : %)

Name of River	Major Carp	Other Carp	Cat fish	Snake Head	Live fish	Hilsha	Big shrimp	Small shrimp	Misc.	Total
Lower Meghna	..	0.00	0.20	0.41	0.00	93.26	0.17	1.55	4.41	100
Upper Meghna	..	7.14	2.02	9.06	0.00	14.90	1.83	17.68	47.37	100
Sub-Total	..	0.71	0.38	1.27	0.00	85.45	0.33	3.16	8.69	100
Lower Padma	..	5.35	0.40	3.88	0.00	60.16	0.00	0.80	29.41	100
Upper Padma	..	2.58	0.22	3.25	0.00	31.35	0.78	5.71	56.10	100
Sub-Total	..	3.84	0.30	3.53	0.00	44.49	0.43	3.47	43.94	100
Jaruna	..	2.22	2.17	6.70	0.04	9.41	0.09	5.86	73.50	100
Brahmaputra	..	9.46	0.26	33.25	0.00	0.51	0.00	4.09	52.43	100
Sub-Total	..	3.29	1.89	10.63	0.04	8.09	0.08	5.60	70.39	100
TOTAL	..	0.92	0.45	1.76	0.00	80.81	0.32	3.28	12.47	100

SOURCE : Catch Assessment Survey.

TABLE-6
Annual Catch in Principal Rivers by District by Species, 1991-92

(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	0	98	201	0	0	45546	81	758	2152	48836
Comilla	0	98	196	0	0	5163	81	272	340	6150
Barisal	0	0	0	0	0	19198	0	0	179	19377
Noakhali	0	0	4	0	0	21059	0	486	1633	23182
Faridpur	0	0	1	0	0	126	0	0	0	127
Upper Meghna	386	109	490	0	0	806	94	956	2562	5408
Comilla	301	49	363	0	0	739	85	458	1442	3437
Sylhet	0	0	0	0	0	25	0	5	28	58
Mymensingh	21	56	112	0	0	0	0	404	885	1178
Dhaka	64	4	15	0	0	42	14	89	507	735
Lower Padma	40	13	29	0	0	450	0	6	220	748
Faridpur	0	0	3	0	0	146	0	0	67	216
Dhaka	40	3	26	0	0	304	0	6	153	532
Upper Padma	23	2	29	0	0	280	7	51	501	893
Rajshahi	17	2	29	0	0	118	7	49	148	370
Pabna	0	0	0	0	0	155	0	0	274	429
Kushtia	6	0	0	0	0	7	0	0	24	37
Faridpur	0	0	0	0	0	0	0	2	55	57

Name of River	Major Carp					Cat fish	Snake Head	Live fish	Hilsa	Big shrimp	Small shrimp	Misc	Total
	..	..	..	Other Carp									
Jamuna	..	..	..	50	49	151	1	0	212	2	132	1656	2253
Rangpur	..	..	..	16	45	41	0	0	59	0	11	45	217
Jamalpur	..	..	..	0	0	0	0	0	132	0	80	48	260
Bogra	..	..	..	2	0	17	0	0	0	0	1	103	123
Tangail	..	..	..	20	3	6	1	0	14	0	11	264	319
Pabna	..	..	..	7	1	31	0	0	7	0	6	428	480
Dhaka	..	..	..	5	0	56	0	0	0	2	23	768	854
Brahmaputra	..	..	..	37	1	130	0	0	2	0	16	205	391
Rangpur	..	..	..	37	1	129	0	0	2	0	15	192	376
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 1991-92

(Unit : Metric Ton)

Old Districts	Major carp	other carp	Cat Fish	Snake Head	Live Fish	Hilsha	Big Shrimp	Small Shrimp	Misc.	Total
Chittagong	..	113	29	49	0	4	3	22	12939	5287 18446
C.H.Ts.	..	..	..	..	..	..	..	..	..	..
Comilla	..	307	175	496	123	83	297	114	645	5123
Noakhali	..	36	9	80	0	0	0	14	51	292
Sylhet	..	535	216	1043	23	30	1569	52	153	7181
Dhaka	..	60	6	33	5	0	42	1	130	907
Faridpur	..	13	4	76	4	7	59	0	30	568
Jamalpur	..	0	16	0	0	8	0	0	5	313
Mymensingh	..	59	92	483	0	0	31	0	585	2573
Tangail	..	34	2	24	1	0	0	0	14	488
Barisal	..	0	0	217	0	0	9663	2	78	142
Jessore	..	5	0	3	46	87	234	3	793	849
Khulna	..	0	2	42	0	0	1663	53	1669	4909
Kushtia	..	0	0	0	0	1	14	9	47	38
Patuakhali	..	0	0	9	0	0	6917	0	133	1648
Bogra	..	0	0	28	0	2	0	0	214	8707
Dinajpur	..	21	0	3	0	0	0	0	77	244
Pabna	..	0	0	0	0	0	14	0	672	101
Rajshahi	..	8	5	128	1	0	0	1	348	1034
Rangpur	..	15	1	97	0	6	4	0	676	856
Total	..	1206	557	2811	203	228	20510	271	18002	22526 66314
%	..	1.8	0.8	4.2	0.3	0.3	30.9	0.4	27.1	34.0 100

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 1991-92

Old Districts	(Unit : Metric Ton)									
	Major carp	Other carp	Cat Fish	Snake Head	Liver Fish	Hilsha	Big Shrimp	Small Shrimp	Misc.	Total
Chittagong & C.H.Ts.	..	113	29	49	0	4	3	12939	5287	18446
Comilla	..	608	322	1055	123	83	6199	1375	4665	14710
Noakhali	..	36	9	84	0	0	21059	537	1735	23474
Sylhet	..	535	216	1043	23	30	1594	158	3588	7239
Dhaka	..	169	13	130	5	0	388	248	2335	3305
Faridpur	..	13	4	80	4	7	331	32	497	968
Jamalpur	..	0	16	1	0	8	132	0	345	588
Mymensingh	..	80	148	595	0	0	31	0	3158	5001
Tangail	..	54	5	30	2	0	14	0	752	882
Barisal	..	0	0	217	0	0	28861	25	321	29479
Jessore	..	5	0	3	46	87	234	78	849	2020
Khulna	..	0	2	42	0	0	1663	1669	1480	4909
Kushtia	..	6	0	0	0	1	21	47	62	146
Patuakhali	..	0	0	9	0	0	6917	133	1648	8707
Bogra	..	2	0	45	0	2	0	1	317	367
Dinajpur	..	21	0	3	0	0	0	0	77	101
Pabna	..	7	1	31	0	0	176	678	1050	1943
Rajshahi	..	25	7	157	1	0	118	86	824	1226
Rangpur	..	68	47	267	0	6	65	47	832	1332
Total	..	1742	819	3841	204	228	67806	19921	29822	124843
%	..	1.4	0.7	3.1	0.2	0.2	54.3	16.0	23.9	100

TABLE—9
Annual Total Catch of the Beel Fisheries 1991-92

Old District				Area of Beels (Hectare)	Estimated Annual Total Catch (Metric Ton)
Chittagong	..	..	..	456	184
Comilla	..	..	..	1,103	444
Noakhali	..	..	..	3	1
Sylhet	..	..	..	32,700	19,393
Dhaka	..	..	..	4,918	1,276
Faridpur	..	..	..	1,915	662
Jamalpur				..	..
Mymensingh	..	..	..	29,406	14,315
Tangail	..	..	..	2,333	721
Barisal	..	..	..	79	23
Jessore	..	..	..	5,037	1,046
Khulna	..	..	..	365	76
Kushtia		..	..	2,197	456
Patuakhali	..	..	..	..	..
Bogra	..	..	..	3,801	1,315
Dinajpur	..	..	..	1,252	155
Pabna	..	..	..	3,255	1,198
Rajshahi	..	..	..	19,849	6,131
Rangpur	..	..	..	5,492	1,805
TOTAL	..	..	..	114,161	49,201

SOURCE : Area of Beel-SPARRSO Report (Bells & 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 1991-92

Species	Pile Fishery	Annual Fishery
Rui (<i>Labeo rohita</i>)	11.75	6.75
Catla (<i>Catla catla</i>)	6.50	6.30
Mrigal (<i>Cirrhinus mrigala</i>)	7.00	2.55
Kalbasu (<i>Labeo calbasu</i>)	10.75	6.80
Gonia (<i>Labeo gonius</i>)	6.50	7.06
Boal (<i>Wallago attu</i>)	15.60	20.50
Air (<i>Mystus aor</i> / <i>Mystus Seenhghala</i>)	1.50	1.30
Shol/Gazer (<i>Channa Spp.</i>)	5.00	2.48
Chital/phali (<i>Notopterus chitala</i> / <i>N. notopterus</i>)	3.50	5.00
Koi (<i>Anabas testudineus</i>)	1.00	0.84
Singi/Magur (<i>Heteropneustes fossilis</i> / <i>Clarias batrachus</i>)	1.50	0.27
Sarpunti (<i>Puntius sarana</i>)	2.25	0.75
Large Shrimp (<i>Macrobrachium rosenbergii</i> / <i>M. malcosonii</i>)	..	..
Small Shrimp	3.25	2.80
Carpio (<i>Cyprinus carpio</i>)	..	..
Pabda (<i>Ompok Pabda</i>)	1.75	1.60
Punti (<i>Puntius Spp.</i>)	..	..
Tengra (<i>Mystus Spp.</i>)	1.25	0.80
Baim (<i>Mastacembelus Spp.</i>)	..	..
Chapila (<i>Gudusia chapra</i>)	..	..
Others	20.90	34.20
TOTAL	100	100

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

TABLE—II
Annual Catch of Kaptai Lake 1991-92

Species	Catch in Metric Ton			
				51
Rui (<i>Labeo rohita</i>)	..	..		
Catla (<i>Catla catla</i>)	..	..	..	36
Mrigal (<i>Cirrhinus mrigala</i>)	..	..	..	21
Kalbasu (<i>Labeo calbasu</i>) ..	..	..	..	49
Gonia (<i>Labeo gonius</i>) ..	..	..	..	85
Boal (<i>Wallago attu</i>) ..	..	..	..	42
Air (<i>Mystus aor/Mystus Seenghala</i>)	..	..	..	104
Shol/Gazar (<i>Channa Spp.</i>)	..	..	..	52
Chital (<i>Notopterus chitala</i>)	..	..	..	120
Phali (<i>Notopterus notopterus</i>)	..	..	..	91
Bacha (<i>Eutropiichthys vacha</i>)	..	..	..	29
Punti (<i>Puntius Spp.</i>) ..	..	..	..	6
Tengra/Pabda (<i>Mystus tengra/Ompok pabda</i>)	..	..	..	29
Baim (<i>Mastacembelus Spp.</i>)	..	..	..	1
Chapila (<i>Gudusia chapra</i>) ..	..	..	..	750
Talapia/Silver carp	..	..	..	37
Others	..	..	..	2,713
TOTAL	..	..	..	4,216

SOURCE : Bangladesh Fisheries Development Corporation.

Catch in Flood Land 1991-92

Old District

		No. of Subsistence Fisheries House- hold('000)	Average Catch per House-hold (kg)	Total Catch Estimated (m. t.)
Chittagong	..	836	19.23	16,076
Chittagong Hill Tracts	..	127	19.23	2,442
Comilla	..	911	44.53	40,567
Noakhali	..	508	39.79	20,213
Sylhet	..	655	38.36	25,126
Dhaka	..	1169	25.97	30,359
Faridpur	..	739	25.22	18,638
Jamalpur	..	418	19.24	8,042
Mymensingh	..	822	37.96	31,203
Tangail	..	230	38.04	8,749
Barisal	..	556	26.17	14,551
Jessore	..	412	30.80	12,690
Khulna	..	497	32.13	15,969
Kushtia	..	179	11.16	1,998
Patuakhali	..	208	31.67	6,587
Bogra	..	398	14.69	5,847
Dinajpur	..	482	9.27	4,468
Pabna	..	448	25.37	11,366
Rajshahi	..	468	22.25	10,413
Rangpur	..	895	11.04	9,881
TOTAL	..	10,958	26.94	295,185

SOURCE : Catch Assessment of Subsistence Fisheries.

TABLE-13

Species Group Composition (Percentage of weight)
of Subsistence Catch by District
1991-92



old District	Carp	Cat Fish	Snake Head	Live Fish	Other Inland Fish	Small Shrimp	Total
Chittagong & C.H.Ts.	0.00	0.00	17.37	31.63	51.01	0.00	100
Comilla	8.34	7.24	9.78	10.21	58.33	6.09	100
Noakhali	32.34	3.28	21.12	21.73	20.58	0.95	100
Sylhet	0.00	1.12	0.16	2.45	62.14	34.12	100
Dhaka	0.00	0.00	0.00	16.05	64.86	19.09	100
Faridpur	17.44	34.16	0.00	0.00	48.40	0.00	100
Jamalpur	0.00	0.00	0.00	0.87	99.13	0.00	100
Mymensingh	0.00	0.00	0.00	0.00	100.00	0.00	100
Tangail	0.00	11.08	0.00	0.00	88.92	0.00	100
Barisal	0.00	0.00	0.00	4.62	41.80	53.57	100
Jessore	0.00	4.32	8.59	1.62	79.43	6.04	100
Khulna	0.36	0.55	22.56	24.09	41.55	10.89	100
Kushtia	0.00	0.00	0.00	0.00	100.00	0.00	100
Patuakhali	0.00	0.00	0.00	4.35	57.09	38.57	100
Bogra	0.00	3.74	26.59	31.87	37.47	0.33	100
Dinajpur	28.00	0.00	0.00	33.94	38.06	0.00	100
Pabna	3.50	0.51	5.13	4.89	83.09	2.87	100
Rajshahi	17.70	2.11	0.00	0.00	51.69	28.51	100
Rangpur	3.86	0.92	17.69	15.93	61.37	0.23	100
COUNTRY TOTAL	5.90	2.60	8.46	10.66	59.58	12.80	100

NOTE : Based on sample village study.

TABLE-14
Total Area and Total Catch of Ponds by District 1991-92

Old District	Total Area of ponds (Acre)				Total Production of ponds (ton)				
	Cultured		Culturable Derelict		Cultured		Culturable Derelict		
				Total				Total	
Chittagong	..	17,850	16,211	1,288	35,349	11,851	7,061	110	19,022
Comilla	..	22,546	7,695	3,243	33,484	23,910	3,929	657	28,496
Noakhali	..	18,653	6,366	2,683	27,702	10,420	1,849	591	12,860
Sylhet	..	4,946	6,901	10,583	22,430	3,278	1,948	2,154	7,380
Dhaka	..	6,091	6,876	3,990	16,957	4,992	1,246	375	6,613
Faridpur	..	5,612	6,335	3,675	15,622	4,180	1,151	534	5,865
Jamalpur	..	1,509	1,042	994	3,545	1,420	320	234	1,974
Mymensingh	..	16,779	3,188	1,874	21,841	11,260	1,315	372	12,947
Tangail	..	1,533	1,059	1,010	3,602	1,028	565	263	1,856
Barisal	..	17,790	6,819	4,463	29,072	10,210	2,265	1,094	13,569
Jessore	..	14,508	2,380	784	17,672	18,018	834	212	19,064
Khulna	..	10,282	1,684	1,339	13,305	8,349	685	135	9,169
Kushtia	..	2,125	871	790	3,786	1,120	280	157	1,557
Patuakhali	..	9,980	3,826	2,504	16,310	6,065	1,945	331	8,341
Bogra	..	7,254	4,724	2,051	14,029	6,713	1,501	596	8,810

Old District	Total Area of ponds (Acre)			Total production of ponds (ton)					
		Cultured		Total	Cultured		Total		
		Culturable	Derelict		Culturable	Derelict			
Dinajpur	..	12,251	7,979	3,464	23,694	6,472	2,570	937	9,979
Pabna	..	5,582	8,207	4,508	18,297	3,251	1,909	655	5,815
Rajshahi	..	11,155	16,401	9,009	36,565	9,662	7,043	1,963	18,668
Rangpur	..	2,912	2,171	4,635	9,718	2,020	540	489	3,049
Total	..	189,358	110,735	62,887	362,980	144,219	38,956	11,859	195,034
%		52.17	30.51	17.33	100	73.95	19.97	6.08	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 of SPARRSO Report.
Productivities—Catch Assessment Survey of Ponds.

TABLE—15

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TABLE-16
Species Composition (Percentage of weight) of Pond Catch
(Cultured, Culturable, & Derelict) 1991-92

Species	Cultured	Cultura- ble	Derelict	Country
	%	%	%	%
Rui (<i>Labeo rohita</i>)	32.77	7.11	4.93	25.85
Catla (<i>Catala cotla</i>)	23.68	5.28	3.50	18.70
Mrigal (<i>Cirrhinus mrigala</i>)	15.45	5.67	3.46	12.68
Kalbasu (<i>Labeo calbasu</i>)	0.86	0.53	0.01	0.73
Minor Carp	4.00	1.18	0.07	3.15
Silver Carp (<i>Hypophthalmichthys molitrix</i>)	13.00	2.56	1.60	10.17
Grass Carp (<i>Ctenopharyngodon idellus</i>)	1.30	0.01	0.07	0.97
Mirror Carp (<i>Cyprinus Carpio</i> var. <i>specularis</i>)	0.84	0.04	0.02	0.63
Tilapia (<i>Oreochromis mossambicus</i> / <i>O. niloticus</i>)	2.05	3.78	1.26	2.26
Shrimp	0.25	1.00	1.23	0.47
Aor (<i>Mystus aor</i> / <i>Mystus Seenghala</i>)	0.27	0.37	0.64	0.32
Boal (<i>Willaogo aattu</i>)	0.10	2.99	2.11	0.77
Shol/Gazar & Taki (<i>Channa Spp.</i>)	0.35	8.74	10.73	2.74
Chital/Phali (<i>Notopterus. chitala</i> / <i>N. notopterus</i>)	0.25	3.00	2.79	0.95
Koi (<i>Anabas testudineus</i>)	0.65	6.41	8.25	2.33
Singi/Magur (<i>Heteropneustes fossilis</i> / <i>Clarias batrachus</i>)	0.44	7.13	11.86	2.64
Sarpunti (<i>puntius sara a</i>)	0.10	0.36	0.64	0.19
Punti (<i>puntius Spp.</i>)	0.33	10.59	12.78	3.22
Others	3.31	33.25	34.05	11.23
Total	100	100	100	100

SOURCE : Based on sample survey.

TABLE—17
Annual Total Catch of Baors 1991-92

Old District	Area of Baors in Hectare	Catch of Baors in Metric Ton
Faridpur	965	232
Jessore	2,734	1,021
Khulna	331	79
Kushtia	1,458	350
TOTAL	5,488	1,682

(i) Catch rate of Govt. managed 7 Baors @ 507 kg/ha.

(ii) Catch rate of private managed Baors @ 240 kg/ha. (Sample Baors)

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

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

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

TABLE—18
Species Composition (% of weight) of Baor Catch 1991-92

Species				Govt. Baor	Private Baor
Major Carp	..	...	..	25.20	57.70
Other Carp	..	..	..	..	..
Exotic Carp	..	..	..	65.75	25.50
Cat Fish	..	..	..	..	0.25
Snake Head	..	..	..	...	5.60
Live Fish	..	..	..	..	...
Other Fish	..	..	..	9.05	10.65
Shrimp	..	..	..	...	0.30
TOTAL	..	..	..	100	100

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

TABLE—19
Annual Total Catch of Shrimp Farm 1991-92

Old District		Area of Shrimp Farms in Hectare	Catch in Metric Ton		Total
			Shrimp	Fish	
Chittagong	...	27,453	3,425	1,492	4,917
Khulna	...	79,728	16,685	8,210	24,895
Jessore	...	690	144	71	215
Patuakhali	...	326	68	34	102
Barisal	...	22	5	2	7
Noakhali	...	61	8	3	11
TOTAL	..	108,280	20,335	9,812	30,147

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

Average yield :

Khulna zone : Shrimp- 209.28 kg.-ha.
Fish —102.97 kg.-ha.

Chittagong zone: Shrimp-124.75 kg./ha.
Fish —54.34 kg./ha.

SOURCE : Catch Assessment Survey.

TABLE 20—Species Composition of Shrimp Catch (% of weight) from Shrimp of Farms of Khulna and Chittagong Region 1991-92

species	Khulna Zone Chittagong Zone	
Bagda (<i>P.monodon</i>)	58.54	62.50
Golda (<i>M.rosenbergii</i>)	1.18	0.20
Honna (<i>Metapenaeus monoceros</i>)	15.07	19.80
Chaka (<i>P.indicus</i>)	0.74	5.75
Small Shrimp	24.47	11.75
TOTAL	100	100

SOURCE : Based on sample shrimp farms study

TABLE-21—Species group-wise Catch in Inland Fisheries by Sector 1991-92

Species	(Unit : Metric Ton)						
	River	Sundarban	Beel Subsis tence	Baor	Pond	Kaptai lake	Shrimp farm
Major Carp	..	1,742	9,614	17,415	461	111,617	108
Other Carp	..	819	7,498	..	1,424	134	..
Exotic Carp	..	..	..	..	1,060	29,100	37
Cat Fish	..	3,841	11,936	7,675	1	3,978	357
Snake Head	..	204	1,727	24,973	6	5,344	52
Live Fish	..	228	827	31,467	..	9,693	..
Other Inland Fish	..	29,822	5,254	16,133	175,871	153	32,961
Hilsa/Ilish	..	67,806	550	..	..	3,528	9,812
Big Shrimp & Prawn	..	460	316	..	..	..	68,356
Small Shrimp & Prawn	..	19,921	177	1,466	37,784	1	15,746
TOTAL	124,843	6,297	49,201	295,1985	1,682	195,034	4,216
SOURCE : Catch Assessment Survey.	..	..	..	..	..	..	30,147
							706,605
							100



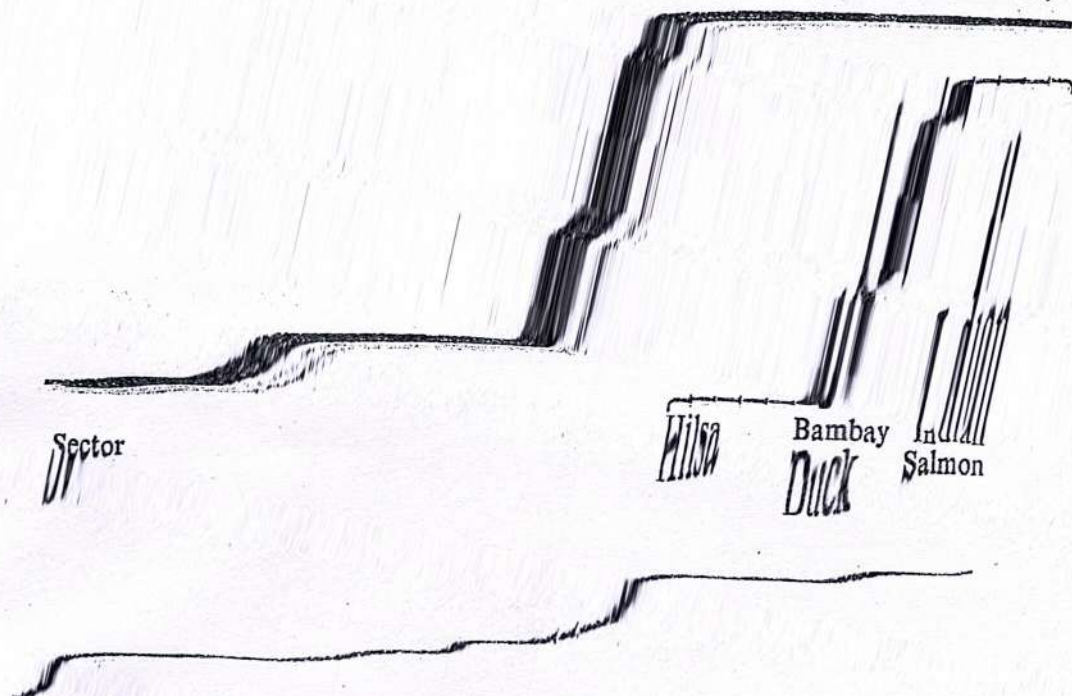
TABLE-22—Annual Total Catch of the Marine Fisheries 1991-92

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	37	..	2,621	4,747	7,368		
(b) Fish Trawler	14	..	281	1,974	2,255		
TOTAL Industrial	51	..	2,902	6,721	9,623		
B. Artisanal							
(1) Gill Net Fishing							
(a) Mechanished	2,880	2,880	..	122,935	122,935		
(b) Non-mechanised	3,509	3,509	..	20,078	20,078		
SUB-TOTAL	6,389	6,389	..	143,013	143,013		
(2) Set Bag Net Fishing							
(a) Seasonal (M.B.)	182	5,400	4,646	41,814	46,460		
(N.M.B.)	2,680						
(b) All Season (N.M.B)	4,590	7,215	10,609	12,966	23,575		
SUB-TOTAL	7,452	12,615	15,255	54,780	70,035		
(3) Long Line Fishing							
Jew Fish Long Line							
(a) Mechanished	255	1,121	..	6,925	6,925		
(b) Non-mechanised	127						
(c) other Long Line	1,000	963	..	2,818	2,818		
SUB-TOTAL	1,382	2,084	..	9,743	9,743		
(4) Trammel Net Fishing	500	500	390	3,325	3,715		
(5) Other Gears Fishing	1,608	2,222	1,495	7,850	9,345		
TOTAL Artisanal (M.B.)	3,317	23,810	17,140	218,711	235,851		
(N.M.B)	14,014						
GRAND TOTAL (Indus + Artis)	Trawler (M.B.)	53	Gill SBN	6,389	20,042	225,432	245,474
	(N.M.B)	14,014	L. Line	2,084			
			Other	2,222			
			Trammel	500			

M.B.-Mechanised Boat <> N.-M.B.-Non machanised Boat <> SBN-Set Bag Net

TABLE-23—Species Group wise in Marine Fisheries by Type of Fishing Gear 1991-92

(Unit : Metric Ton)



A Industrial			
(1) Trawl Fishing		20	810
B Artisanal			
(1) Gill Net Fishing			
(a) Mechanised	102,036	...	1,328
(b) Non-mechanised	18,070	...	..
SUB-TOTAL	120,106	...	1,328
(2) Set Bag Net Fishing			
(a) Seasonal	...	9,292	...
(b) All Season	...	8,015	..
SUB TOTAL	...	17,307	...
(3) Long line Fishing			
(a) Mechanised	...	..	..
Non-mechanised	..	...	..
(c) other Long Line	...	...	..
SUB-TOTAL	...	...	..
(4) Trammel Net Fishing	...	...	..
(5) Other Gears Fishing	...	1,870	..
TOTAL Artisanal	120,106	19,177	1,328
Grand TOTAL	120,106	19,197	2,138
(Industrial+Artisanal)	48.93	7.82	0.87

(Unit : Metric Ton)

Species						
Pomfret	Jew Fish	Cat Fish	Sharks & Rays	Other Marine Fish	Shrimp	Total

135	2,085	805	270	2,596	2,902	9,623
1,844	1,647	4,942	1,660	9,478	..	122,935
100	1,205	241	...	462	..	20,078
1,944	2,852	5,183	1,660	9,940	..	143,013
465	..	..	..	32,057	4,646	46,460
...	237	283	47	4,384	10,609	23,575
465	237	283	47	36,441	15,255	70,035
...	3,255	1,870	1,455	345	..	6,925
...	705	1,043	565	505	..	2,818
..	3,960	2,913	2,020	850	..	9,743
65	1,040	334	11	1,875	390	3,715
748	1,402	1,588	..	2,242	1,495	9,345
3,222	9,491	10,301	3,738	51,348	17,140	235,851
3,357	11,576	11,106	4,008	53,944	20,042	245,474
1.37	4.72	4.52	1.63	21.98	8.16	100

TABLE-24

Comparison of Annual Total Catch of 1991-92 with Those of 1990-91

Sector of Fisheries	Annual Total Catch (M.T)		Increase (B)—(A)	Percent Increase	
	1990-91 (A)	1991-92 (B)			
A Inland Fisheries					
(a) Capture					
1. River & Estuaries Except Sundarban Area	..	135,355	124843	—10512	—7.8
2. Sundarban	..	6,651	6297	—354	—5.3
3. Beels	..	47,923	49201	1278	2.7
4. Kaptai Lake	..	4,392	4216	—176	—4.0
5. Flood Lands	..	249,083	295185	46102	—18.5
Capture Total	..	443,404	479,742	36338	+8.2
(b) Culture					
1. Pond	..	181,018	195,034	14016	7.7
2. Baors	..	1,544	1,682	38	8.9
3. Shrimp Farms	..	28,431	30,147	1716	6.0
Culture Total		210,993	226,863	15870	7.5
Inland Total	..	654,397	706,605	52208	8.0
B. Marine Fisheries					
(a) Industrial Fisheries (Trawl)		8,760	9,623	863	9.9
(b) Artisanal Fisheries	..	232,778	235,851	3073	1.3
Marine Total	..	241,538	245,474	3936	1.6
COUNTRY TOTAL	..	895,935	952,079	56144	6.3

TABLE-25

Production of Carp-Hatchling in Bangladesh 1992

Sources of Production				Quantity of Hatchling Produced (kg)
A.	Natural Sources	..	..	9,341.65
B.	Artificial Sources			
	(i) Govt. Hatcheries/Fish Seed Farms	..	..	2,311.00
	(ii) F.R.I.	..	..	470.00
	(iii) Private Hatcheries	..	..	33,070.20
TOTAL				45,192.85

TABLE-26

**Information on Hatchlings Production in Govt. Hatcheries and Fish
Seed Farms, 1992**

Hatchery	No. of Hatcheries	Quantity of Hatch- ling Pro- duced (kg)
1. Fish Seed farms and Hatcheries of		
(a) Dhaka Division	17	390.00
(b) Chittagong Division	19	339.00
(c) Khulna Division	18	325.00
(d) Rajshahi Division	19	714.00
(e) Barisal Division	5	61
2. Central Hatchery of Baor Dev. Project (Jhenidaha)	1	230.00
3. Raipur Fish Hatchery and Training Centre ..	1	147.00
4. Gulshan Lake Hatchery	1	..
5. Hatchery of Fishery Research Institute, Mymensingh	1	399.00
6. Hatchery of Riverine Fishery Research Institute, Chandpur	1	71.00
7. Parbatipur Hatchery	1	70
8. Faridpur Training & Extension Centre ..	1	35.00
TOTAL ..	85	2781.00

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

TABLE-27

Production of Hatchling (4-5 days old fry) From Hatcheries in Private Sector in 1992 (Division-wise)

Division	No. of Hatcheries	Quantity of Hatchlings (4-5 days old fry) Produced (kg)
Chittagong	80	8,865.50
Dhaka	18	2,408.00
Rajshahi	41	5,643.00
Khulna	82	16,113.70
Barisal	1	40.00
TOTAL	222	33,070.20

TABLE--28

Report of Carp Spawn/Fertiliger Egg Collection from Natural Sources 1992

District	Upazila	Collection Centre	Name of river	Number of			
				Savar	People Engaged	Net Used	Boat Used
1	2	3	4	5	6	7	8
Gaibandha	Fulchari	Rasulpur Gagaria	Jamuna	20	84	394	20
	Gaibanda	Kamarjani	"	5	28	130	5
	Saghata	Boutadanga Munsihat	"	21	126	315	15
Sub-Total		5		46	238	839	40
Sirajganj	Shajadpur	Shajadpur	"	20	90	500	20
	Kazipur	Kazipur	"	5	...	125	5
	Sirajganj	Sirajganj	"	36	45	199	3
Sub-Total		3		61	135	824	28
Pabna	Bara	Notun Batiakhan, Kazirhat, Nakalia	"	5	85	5	5
Sub-Total		3		5	85	5	5
Jamuna Total		11		112	458	1668	73
Rajshahi	Godagari	Hossainpur Bidirpir	Upper Padma	13	25	166	..
	Poba	Sonykandi, Berpura, Nabaganga, Talaimari	"	52	124	806	52
	Charghat	Chatghat, Mukterpur	"	56	119	227	8

Collection Period	Frequency of Spawning Time	Quantity of Spawn/Fertilized Egg Caught (kg)	Sale Rate Tk/kg	Remarks
9	10	11	12	13
		540.77		
		100.00		
		50.00	1600	2000
		690.77		
24.06.92-29.06.92 31.05.92-01.06.92	2	96.00		
08-06-92-30-06-92		68.00		
12-05-92-16-06-92		301.00		
		465.00		
		55.76		
		55.76		
		1211.53		
12.07.92-20.08.92	3	50.00	1200	1800
20.07.92-10.08.92	2	297.00	1200	
		262.00		

District	Upa-zila	Collection Centre	Name of river	Number of			
				Savar	People Engaged	Net Used	Boat Used
1	2	3	4	5	6	7	8
	Bagha	Chandoa, Atiapur, Kishorepur, Mirgang	Upper padma	19	125	77	..
Sub-Total		12		140	393	1276	60
Pabna	Sujanagar	Nishchintapur	Upper Padma	6	77	125	6
Sub-Total		1		6	77	125	6
Upper Padma Total		13		146	470	1401	66
Faridpur	Faridpur	Char Tapurakasi, South Char Madhabdia, Deorri Char	Lower Padma	86	114	1031	86
	Sadarpur		"	5	20	50	5
Sub-Total		4		91	134	1081	91
Rajbari	Goalundo	Goalundo	"	12	28	264	12
	Rajbari	Rajbari	"	2	3	32	2
Sub-Total		2		14	31	296	14
Lower Padma Total		6		105	165	1377	105
Upper+Lower Padma Total		19		251	635	2778	171
Manikganj	Ghior	Jabra to Saralaghata	Dhaleshwari	4	10	40	2
Dhaleshwari Total		2		4	10	40	2

Collection Period	Frequency of Spawn- ing Time	Quantity of Spawn-Fert- ilize 1 Egg Caught kg)	Sale Rate Tk/kg.	Remarks
9	10	11	12	13
05.07.92-07.08.92	2	45.00	1200	
		654.00		
24.06.92-23.08.92		25.00		
		25.00		
		679.00		
		1479.00	800	2500-
		63.00	2500	
		1542.00		
20.06.92-12.07.92	2	63.50		
27.07.92-15.08.92	2	7.00		
		70.50		
		1612.50		
		2291.50		
		75.00	16.00	
		75.00		

District	Upazilla	Collection Centre	Name of river	Number of			
				Savar	People Engaged	Net Used	Boat Used
1	2	3	4	5	6	7	8
Faridpur	Modhukhali	Modhukhali	Gorai	2	2	36	2
Gorai Total		1		2	2	36	2
Faridpur	Modhukhali	Modhukhali	Modhumati	6	6	89	6
Madhumati Total		1		6	6	89	6
Faridpur	Sadarpur	Sadarpur	Arial Khan	6	31	60	6
Sub-Total		1		6	31	60	6
Madaripur	Sibchar	Nilokali, Kalatala, Hazra, Baharatala	;	21	77	258	28
Sub-Total		4		21	77	258	28
Arial Khan Total		5		27	108	318	34
Madaripur	Rajor	Shankerdi, Goailbathan	Kumar	9	27	94	9
Kumar Total		2		9	27	94	9
Manikganj	Manikganj	Bautha, Taraghat	Kaliganga	1	19	134	8
Kaliganga Total		2		7	19	134	8

Collection Period	Frequency of Spawning Time	Quantity of Spawn/ Fertilized Egg Caught (kg)	Sale Rate Tk/kg	Remarks
9	10	11	12	13
		18.00	1500	2000
		18.00		
		33.00		
		33.00		
		91.00		
		91.00		
		258.00		
		258.00		
		349.00		
		83.00		
		83.00		
05.06.92-07.07.92		75.00	2000	
		75.00		

District	Upa-zila	Collection Centre	Name of river	Number of			
				Savar	People Engaged	Net Used	Boat Used
1	2	3	4	5	6	7	8
Chittagong	Hathazari	Hathazari	Halda	130	876	438	438
	Rauzan	Rauzan	"	65	1701	172	172
Halda Total		2		195	2577	610	610
Kurigram	Kurigram	Jattapur, Parbatipur	Dudkumar	3	24	35	..
Dudkumar Total		2		3	24	35	
Country Total		47		616	3866	5802	915

Collection Period	Frequency of Spawn- ing Time	Quantity of Spawn/ Fertilized Egg Caught (kg)	Sale Rate Tk/kg	Remarks
9	10	11	12	13
		1208.62		
		3957.00		
		5165.62		
		40.00	1000	2000
		40.00		
		9341.65		



TABLE-29

Export of Fish / Fish Products 1991-92

Quantity in Ton Value in Million Taka					
Item				Quantity	Value
Frozen Shrimp	..	..	..	16,730	4,557
Frozen Fin fish	..	..	..	2,604	301
Frozen Frog leg	..	..	..	771	111
Dry fish	..	..	..	892	141
Salted & Dehydrated fish	..	..	..	80	14
Shark fin & Fish maws	..	..	..	65	54
Turtles/Tortoise	..	..	..	91	9
Crab	..	..	..	847	56
Total	..	..	..	22,080	5,243
Percentage of total export earning					6.91%

SOURCE : Export Promotion Bureau.



