



FISH CATCH STATISTICS OF BANGLADESH

1986-87

DEPARTMENT OF FISHERIES

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PREFACE

There prevails a painful poverty of published information and data in the fisheries sector. Through the execution of a project namely, Bangladesh Fisheries Resources Survey System (BFRSS) during early eighties the Department of Fisheries Developed a system of collection, analysis and recording of information and data on water area, fish catch, carp spawn/fry collection from natural and artificial sources and other such parameters. Several reports have earlier been published under the Project through the Government Printing machineries.

The present report is the fourth report of the fish catch statistics of Bangladesh which is relevant for the year, 1986-87 and contains total catch and productivity by sectors, catch by area, by species or by group including catches of fish and shrimp obtained through aquaculture. In addition the present report includes pertinent informations on the status of fish seed (spawn) collection from natural spawning grounds as well as yield of spawn produces artificially through public and private hatcheries of the country.

Estimates of fish catch, spawn collection and other production statistics were collected by the field officers of the BFRSS posted in 34 survey zones in the country. The officials of the marine wing at Chittagong as well as those in the Upazilas of the country also collected and furnished information from their areas particularly on the marine industrial artisanal fish catch as well as catch of carp spawn in the different spawning grounds of the country.

Bangladesh Fisheries Resources Survey System of DOF currently operated from the revenue budget has limitations particularly in the lack of trained manpower and inadequacy of operational funds. More staff at field level are necessary for collection of catch and water area statistics from the sixty four districts of the country. The need for revising the existing frame on which the current catch assessment survey is undertaken has been realised. The DOF is currently preparing a second phase development project for overcoming the difficulties mentioned above. We hope that in near future the DOF will be in a position to undertake the survey with more intensity and with a wider area coverage.

Let us hope that this report, though not claimed to be exhaustive, will be useful in planning, development and management of fisheries in Bangladesh.

Any comments/suggestion for improving the fishery statistics and relevant report would be greatly appreciated.

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TABLE-1

Annual Total Catch and Area Productivities by Sectors of Fisheries
for July 1986-June 1987

Sector of Fisheries		Water Area (Hectare)	Total Catch (Metric ton)	Catch/ Area (Kg/Hec- tare)
A. Inland Fisheries				
(a) Capture				
1. River & Estuaries Except Sundarban Area	..	.. 1031,563	195,117	189
2. Sundarban	..	.. ..	6,035	..
3. Beels	..	.. 114,161	42,077	36
4. Kaptai Lake	..	.. 68,800	3,981	58
5. Flood Lands	..	.. 2832,792	183,796	65
Capture Total	..	.. 4047,316	431,006	(52.9%)
(b) Culture				
1. Ponds	..	.. 146,890	142,876	973
2. Baors	..	.. 5,488	1,174	214
3. Shrimp farms	..	.. 87,300	22,050	253
Culture Total	..	.. 239,678	166,100	(20.4%)
Inland Total	..	.. 4286,994	597,106	(73.3%)
B. Marine Fisheries				
(a) Industrial Fisheries (Trawl)	..	.. ..	12,356	..
(b) Artisanal Fisheries	..	.. ..	205,223	..
Marine Total	..	.. ..	217,579	(26.7%)
Country Total	..	.. ..	814,685	(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 1986-87

Species	Inland Fisheries	Marine Fisheries	Total (Metric Ton)	%
Major carp	88,638	..	88,638	10.88
Exotic carp	11,737	..	11,737	1.44
Other carp	10,394	..	10,394	1.28
Cat fish	18,599	..	18,599	2.28
Snake head	35,064	..	35,064	4.30
Live fish	19,534	..	19,534	2.40
Other inland fish	264,318	..	264,318	32.44
Hilsa/Illish	91,167	103,814	194,981	23.93
Bombay duck (<i>Harpond onnehereus</i>)..	..	17,776	17,776	2.18
Indian salman (<i>Polydactylus indicus</i>) ..	..	637	637	0.08
Pomfret (Rup, Hail, Foli, chanda) ..	..	4,045	4,045	0.50
Jew fish (Poa, Lambu, Kaladatina etc.) ..	..	7,869	7,869	0.97
Sea cat fish (<i>Tachysurus spp.</i>) ..	..	5,381	5,381	0.66
Sharks, Skates & Rays.. ..	..	1,170	1,170	0.14
Other marine fish	..	61,733	61,733	7.58
Shrimp	57,655	15,154	72,809	8.94
Total	597,106	217,579	814,685	100
%	73.29	26.71	100	..

Note : 1. Major carp— Rui, Catla, Mrigal

2. Exotic carp— Silver carp, Common carp, Mirror carp, Grass carp

3. Other carp— Ghania, Kalbastu, 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 1986-87

Old District	[Unit Metric Ton]							
	River & Estuaries	Sundarban	Beel	Ka'tai Lake	Flood land	Pond	Baor	Shrimp Farm
Chittagong & C.H.T	..	..	131	3,981	12,663	16,809	..	4,633
Comilla	..	..	316	..	15,563	24,077	..	..
Noakhali	..	..	1	..	9,821	10,460	..	5
Sylhet	..	..	15,999	..	15,300	9,603	..	..
Dhaka	..	..	1,410	..	19,887	5,873	..	..
Faridpur	..	..	336	..	10,041	6,145	172	..
Jamalpur	..	..	..	..	3,564	1,874	..	..
Mymensingh	..	..	13,152	..	12,434	7,769	..	..
Tangail	..	..	628	..	3,926	1,516	..	..
Barisal	..	..	14	..	11,496	13,920	..	..
Jessore	..	..	1,232	..	9,515	8,816	685	8
Khulna	..	6,035	89	..	8,981	4,662	59	61
Kushtia	..	..	390	..	3,602	1,094	258	17,338
Patuakhali	..	..	..	..	3,766	4,765	..	..
Bogra	..	..	1,108	..	6,723	4,031	..	5
Dinajpur	..	..	278	..	3,299	5,800	..	..
Pabna	..	..	965	..	5,560	4,200	..	..
Rajshahi	..	..	4,807	..	13,222	7,932	..	..
Rangpur	..	..	1,221	..	14,433	3,530	..	..
Total	195,117	6,035	42,077	3,981	183,796	142,876	1,174	22,050
	32.67	1.01	7.05	0.67	30.78	23.93	0.20	3.69
								100

SOURCE : 1 Catch Assessment Survey.

2 Beel catch of Jamalpur is included in Mymensing District.

TABLE-4

Annual Catch of the Riverine Fisheries by River by District 1986-87

(Unit : Metric Ton)

Old Districts	Principal River						Other Rivers	Total
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahmaputra		
Chittagong & C.H.Ts.	..	..	..	..	..	..	30018	30018
Comilla	..	7,617	..	..	..	..	4,265	17,082
Noakhali	..	14,501	..	..	..	..	743	15,244
Sylhet	..	..	..	..	..	..	8,659	10,951
Dhaka	..	..	1,546	..	306	..	7,911	18,018
Faridpur	..	168	1,971	183	..	..	563	2,885
Jamalpur	..	..	..	..	1,567	52	803	2,422
Mymensinga	..	..	..	..	..	..	9,796	10,428
Tangail	..	..	..	..	135	..	456	591
Barisal	..	43,124	..	..	..	..	17,372	60,496
Jessore	..	..	..	..	..	..	1,269	1,269
Khulna	..	..	..	..	..	..	5,362	5,362
Kushtia	..	..	..	219	..	..	296	513
Patuakhali	..	..	..	..	..	..	12,021	12,021
Bogra	..	..	..	..	2,24	..	467	691
Dinajpur	..	..	..	..	..	..	107	107
Pabna	..	..	..	1,187	959	..	1,507	3,653
Rajshahi	..	..	..	191	..	..	425	616
Rangpur	..	..	..	..	241	1,185	1,331	2,757
Total	..	65,410	35,17	1,780	3,432	1,237	103,362	195,117
%	..	33.5	1.8	0.9	1.8	0.6	53.0	100

Source: Catch Assessment Survey.

TABLE-5

Annual Total Catch in Principal Rivers 1986-87

(a) Annual Catch by Species

Name of River	Major carp	Other carp	Cat fish	Live fish	Hilsa	Big shrimp	Small shrimp	[Unit Metric Ton]	
								Misc.	Total
Lower Meghna	52	0	187	0	56,745	14	2,052	6,360	65,410
Upper Meghna	35	13	52	0	5,611	20	1,020	9,628	16,379
Sub-total	87	13	239	0	62,356	34	3,072	15,988	81,789
Lower Padma	9	0	57	0	2313	0	26	1,112	3,517
Upper Padma	66	31	356	0	330	67	145	785	1,7807
Sub-total	75	31	413	0	2643	67	171	1,897	5,29
Jamuna	46	179	424	0	920	1	168	1,694	3,432
Brahmaputra	67	11	149	0	59	11	18	922	1,237
Sub-total	113	190	573	0	979	12	186	2,616	4,669
Total	275	234	1,225	0	65,978	113	3,429	20,501	91,755

(b) Percentage by Species

[Unit : %]

Name of River	..	Major carp	Other carp	Cat fish	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Lower Meghna	..	0.1	0.0	0.3	0.0	86.8	0.0	3.1	9.7	100
Upper Meghna	..	0.2	0.1	0.3	0.0	34.3	0.1	6.2	58.8	100
Sub-total	..	0.1	0.0	0.3	0.0	76.3	0.0	3.8	19.5	100
Lower Padma	..	0.3	0.0	1.6	0.0	65.8	0.0	0.7	31.6	100
Upper Padma	..	3.7	1.7	20.0	0.0	18.6	3.8	8.1	44.1	100
Sub-total	..	1.4	0.6	7.8	0.0	49.9	1.3	3.2	35.8	100
Jumuna	..	1.3	5.2	12.4	0.0	26.8	0.0	4.9	49.4	100
Brahmaputra	..	5.4	0.9	12.0	0.0	4.8	0.9	1.5	74.5	100
Sub-total	..	2.4	4.1	12.3	0.0	20.9	0.3	4.0	56.0	100
Total	..	0.3	0.3	1.3	0.0	72.0	0.1	3.7	22.3	100

Source : Catch Assessment Survey.

TABLE-6

Annual Catch in Principal Rivers by District by Species 1986-87

[Unit : Metric ton]

Name of River	Major carp	Other carp	Cat fish	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Lower Meghna	52	0	187	0	56,745	14	2,052	6,360	56,410
Noakhali	0	0	30	0	10,105	0	368	3,998	14,501
Comilla	52	0	156	0	6,726	14	89	580	7,617
Barisal	0	0	0	0	39,760	0	1,595	1,769	43,124
Faridpur	0	0	1	0	154	0	0	13	168
Upper Meghna	35	13	52	0	5,611	20	1,020	9,623	16,937
Comilla	0	0	9	0	1,564	0	220	3,407	5,200
Sylhet	0	13	2	0	449	0	382	1,446	2,292
Dhaka	35	0	41	0	3,598	0	207	4,374	8,255
Mymensinga	0	0	0	0	0	20	211	401	632
Lower Padma	18	0	57	0	2,313	0	26	1,112	3,517
Dhaka	1	0	40	0	978	0	14	513	1,546
Faridpur	8	0	17	0	1,335	0	12	599	1,971
Upper Padma	66	31	356	0	330	67	145	785	1,780
Kushia	0	0	0	0	86	28	78	27	219
Rajshahi	11	0	61	0	68	7	16	23	191
Pabna	55	31	295	0	121	32	51	602	1,187
Faridpur	0	0	0	0	55	0	0	123	183
Jamuna	46	179	424	0	920	1	168	1,694	3,432
Dhaka	4	3	66	0	20	0	2	211	306
Tangail	1	1	0	0	49	0	26	58	135
Bogra	9	0	1	0	7	1	4	202	224
Pabna	18	11	200	0	64	0	9	657	959
Rangpur	1	21	19	0	102	0	19	79	241
Jamalpur	13	143	138	0	678	0	108	437	1,567
Erasmopatta	67	11	149	0	59	11	18	924	1,237
Rangpur	66	11	144	0	59	11	18	876	1,185
Jamalpur	1	0	5	0	0	0	0	46	52

Source : Catch assessment Survey.

TABLE-7
Annual Catch in Other Rivers By District by Species 1986-87

Old Districts	[Unit : Metric Ton]								
	Major carp	Other carp	Cat fish	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Chittagong & C.H.Ts.	27	16	115	0	14	919	13,549	15,378	30,018
Comilla ..	277	50	418	8	189	60	356	2,907	4,265
Noakhali ..	11	0	71	0	461	0	31	163	743
Sylhet ..	20	294	177	0	1,909	4	0	6,253	8,658
Dhaka ..	150	72	69	0	48	35	328	7,209	7,911
Faridpur ..	1	1	16	0	77	3	18	447	563
Jamalpur ..	0	3	5	0	21	0	16	738	803
Mymensingh ..	126	344	576	26	31	11	240	8,442	9,796
Tangail	2	0	12	0	0	0	0	442	456
Barisal ..	3	0	81	0	0	435	635	3,103	17,372
Jessore ..	2	0	0	0	13,115	0	472	474	1,260
Khulna ..	35	4	63	0	335	290	2,203	2,432	5,362
kushia ..	0	0	16	0	36	10	10	224	296
Patuakhali ..	0	0	685	0	7,970	13	397	2,956	12,021
Bogra ..	10	13	17	0	0	0	2	425	467
Dinajpur ..	0	0	1	1	1	0	0	104	107
Fabna ..	0	0	35	79	41	0	0	1,352	1,507
Rajshahi ..	5	0	36	0	8	3	8	365	425
Rangpur ..	37	8	125	0	2	7	62	1,090	1,331
Total ..	706	805	2,518	114	24,570	1,790	18,327	54,322	103,362
% ..	0.7	0.8	2.4	0.1	23.8	1.7	17.7	52.8	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
Total Catch in All Rivers by district by Species 1986-87

Old Districts	[Unit : Metric ton]								
	Major carp	Other carp	Cat. fish	Live fish	Hilsa	Big shrimp	Small shrimp	Misc.	Total
Chittagong & C.H.Ts.									
Comilla	27	16	115	0	14	919	13,549	15,378	30,018
Noakhali	329	50	583	21	8,479	74	665	681	17,982
Sylhet	11	0	101	0	10,566	0	399	4,167	15,244
Dhaka	20	307	179	0	2,358	4	382	7,701	10,951
Faridpur	190	75	216	1	4,644	35	551	12,306	18,018
Jamalpur	9	1	34	0	1,621	3	30	1,187	2,885
Mymensingh	14	146	148	6	699	0	124	1,285	2,422
Tangail	126	344	576	26	31	31	451	8,843	10,428
Barisal	3	1	12	0	49	0	26	500	591
Jessore	3	0	81	0	52,875	435	2,230	4,872	60,496
Khulna	2	0	0	0	312	0	472	474	1,260
Kushtia	35	4	63	0	335	290	2,203	2,432	5,362
Patuakhali	0	0	16	0	122	38	88	251	515
Bogra	0	0	685	0	7,970	13	397	2,956	12,021
Dirajpur	19	13	18	0	7	1	6	627	631
Pabna	0	0	1	1	1	0	0	104	107
Rajshahi	73	42	530	82	226	32	60	2,608	3,553
Rangpur	16	0	97	0	76	10	24	393	616
	104	40	288	1	163	18	99	2,044	2,757
Total	981	1,039	3,743	138	90,548	1,903	21,756	75,009	195,117
%	0.5	0.5	1.9	0.1	46.4	1.0	11.2	38.4	100

TABLE-9
Annual Total Catch of the Beel Fisheries 1986-87

Old District	Area of Beels (Hectare)	Estimated Annual Total Catch (Metric Ton)
Chittagong	456	131
Comilla	1,103	316
Noakhali	3	1
Sylhet	32,700	15,999
Dhaka	4,918	1,410
Faridpur	1,915	336
Jamalpur	..	..
Mymensingh	29,406	13,152
Tangail	2,333	628
Barisal	79	14
Jessore	5,039	1,232
Khulna	365	89
Kushtia	2,197	390
Patuakhali	..	..
Bogra	3,801	1,108
Dinajpur	1,252	278
Pabna	3,255	965
Rajshahi	19,849	4,807
Rangpur	5,492	1,221
Total	114,161	42,077

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 1986-87

Species	Pile Fishery	Annual Fishery
Rui (<i>Labeo rohita</i>)	9.10	1.84
Catla (<i>Catla Catla</i>)	1.57	0.98
Mrigal (<i>Cirrhinus mrigala</i>)	1.91	1.00
Kalbasu (<i>Labeo Calbasu</i>)	7.21	5.94
Gonia (<i>Labeo gonius</i>)	6.88	0.58
Boal (<i>Wallago attu</i>)	18.73	7.80
Air (<i>Mystus aor/Mystus seenghela</i>)	7.96	2.73
Shol/Gazar (<i>Channa Spp.</i>)	7.22	0.70
Chital/Phali (<i>Notopterus chitala/N. notopterus</i>)	3.98	0.11
Koi (<i>Anabas testudineus</i>)	0.34	..
Singi/Magur (<i>Heteropneustes fossilis/clarias batrachus</i>)	0.41	0.02
Sarpunti (<i>Puntius sarana</i>)	5.83	0.14
Large Shrimp (<i>Macrobrachium rosenbergii/M. malcomsonii</i>)	..	..
Small Shrimp	1.13	1.93
Carpio (<i>Cyprinus carpio</i>)	..	..
Pabda (<i>Ompok pabda</i>)	1.34	..
Punti (<i>Puntius Spp.</i>)	..	..
Tengra (<i>Mystus Ppp.</i>)	..	..
Baim (<i>Mastacembelus Spp.</i>)	..	..
Chapila (<i>Gudusia chapra</i>)	..	14.66
Others	26.39	61.57
Total	100	100

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

TABLE-11
Annual Catch of Kaptai Lake 1986-87

Species	Catch in Metric ton
Rui (<i>Labeo rohita</i>)	39
Cal a (<i>Catla catla</i>)	54
Mrigal (<i>Cirrhinus mrigala</i>)	34
Kalbasu (<i>Labeo calbasu</i>)	43
Gonia (<i>Labeo gonius</i>)	111
Boal (<i>Wallago attu</i>)	42
Air (<i>Mystus aor/M. seenghala</i>)	111
Shol/Gazar (<i>Channa Spp.</i>)	135
Chital (<i>Notopterus chitala</i>)	71
Fali (<i>Notopterus notopteras</i>)	232
Bacha (<i>Eutropiichthys vacha</i>)	11
Punti (<i>Puntius Spp.</i>)	18
Tengra/Pabda (<i>Mystus tengra/Ompok pabda</i>)	12
Baim (<i>Mastacembleus Spp.</i>)	9
Chapila (<i>Gudusia chapra</i>)	925
Others	2,134
Total ..	3,981

SOURCE : Bangladesh Fisheries Development Corporation.

TABLE-12
Annual Total Catch in Flood Land 1986-87

Old district			No. of subsistence fisheries house-holds (000)	Average catch per house-hold (kg)	Total Catch estimated (M.T.)
Chittagong	..	..	705	16.09	11,344
Chittagong Hill Tracts	..	..	82	16.09	1,319
Comilla	..	..	801	19.43	15,563
Noakhali	..	..	521	18.85	9,821
Sylhet	..	..	680	22.50	15,300
Dhaka	..	..	947	21.00	19,887
Faridpur	..	..	421	23.85	10,041
Jamalpur	..	..	412	8.65	3,564
Mymensingh	..	..	947	13.13	12,434
Tangail	..	..	230	17.07	3,926
Barisal	..	..	578	19.89	11,496
Jessore	..	..	493	19.30	9,515
Khulna	..	..	458	19.61	8,981
Kushtia	..	..	175	20.58	3,602
Patuakhali	..	..	180	20.92	3,766
Bogra	..	..	436	15.42	6,723
Dinajpur	..	..	540	6.11	3,299
Pabna	..	..	226	24.60	5,560
Rajshahi	..	..	787	16.80	13,222
Rangpur	..	..	935	15.42	14,433
Total			10,555	17.41	183,796

SOURCE : Catch Assessment Survey of Subsistence Fisheries.

TABLE-13

Species Group Composition (Percentage of weight) of Subsistence Catch by District
1986-87

Old District		Carp	Cat fish	Snake head	Live fish	Other inland fish	Small shrimp	Total
Chittagong & C. H. Ts.	..	..	..	6.12	..	82.45	11.43	100
Comilla	..	5.35	7.14	5.95	4.25	53.12	24.19	100
Noakhali	..	..	..	21.22	19.60	57.85	1.33	100
Sylhet	..	..	2.16	11.35	7.33	69.49	9.67	100
Dhaka	..	..	..	9.37	4.04	73.18	13.41	100
Faridpur	..	..	1.20	10.24	8.31	75.67	4.58	100
Jamalpur	..	..	2.21	13.11	2.21	80.26	2.21	100
Mymensingh	..	..	2.08	10.04	25.63	62.25	..	100
Tangail	..	..	11.81	12.54	1.05	74.60	..	100
Barisal	..	..	..	0.84	3.65	71.77	23.74	100
Jessore	..	..	..	4.78	..	69.21	26.01	100
Khulna	..	..	1.72	37.40	4.20	49.97	6.23	100
Kushtia	..	..	..	31.39	6.54	62.07	..	100
Patuakhali	..	..	..	..	2.86	64.04	33.10	100
Bogra	..	..	..	32.10	16.84	50.11	0.95	100
Dinajpur	..	2.03	..	27.31	13.66	57.00	..	100
Pabna	..	1.54	..	1.29	0.75	96.42	..	100
Rajshahi	..	..	..	3.58	4.57	91.85	..	100
Rangpur	..	..	14.85	11.09	8.89	65.17	..	100
Country	..	0.77	2.22	13.82	7.27	66.96	8.96	100

NOTE : Based on sample village study.

TABLE-14
Total Area and Total Catch of Ponds by District (1986-87)

Old District	Total Area of Ponds (Acre)				Total Production of Ponds (Ton)			
	Cultured	Culturable	Derelict	Total	Cultured	Culturable	Derelict	Total
Chittagong ..	17,850	16,211	1,288	35,349	7,456	9,258	95	16,809
Comilla ..	22,546	7,695	3,243	33,484	19,355	3,540	1,182	24,077
Noakhali ..	18,653	6,366	2,683	27,702	8,694	1,373	393	10,460
Sylhet ..	4,946	6,901	10,583	22,430	2,673	3,232	3,698	9,603
Dhaka ..	6,091	6,876	3,990	16,957	3,747	1,513	613	5,873
Faridpur ..	5,612	6,335	3,675	15,622	2,725	2,443	977	6,145
Jamalpur ..	1,509	1,042	994	3,545	1,477	120	277	1,874
Mymensingh ..	16,779	3,188	1,874	21,841	6,712	476	581	7,769
Tangail ..	1,533	1,059	1,010	3,602	937	405	174	1,516
Barisal ..	17,790	6,819	4,463	29,072	10,395	1,816	1,709	13,920
Jessore ..	14,508	2,380	784	17,672	8,190	423	203	8,816
Khulna ..	10,282	1,684	1,339	13,305	4,065	319	278	4,662
Kushtia ..	2,125	871	790	3,786	837	149	108	1,094
Patuakhali ..	9,980	3,826	2,504	16,310	3,202	1,110	453	4,765
Bogra ..	7,254	4,724	2,051	14,029	3,644	314	73	4,031
Dinajpur ..	12,251	7,979	3,464	23,694	3,514	1,482	804	5,800
Pabna ..	5,582	8,207	4,508	18,297	2,137	1,427	636	4,200
Rajshahi ..	11,155	16,401	9,009	36,565	4,844	1,794	1,294	7,932
Rangpur ..	2,912	2,171	4,635	9,718	1,154	755	1,621	3,530
Total ..	189,358	110,735	62,887	362,980	95,758	31,949	15,169	142,876
%	52.2	30.5	17.3	100	67.0	22.4	10.6	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
Species Composition (Percentage of weight) of Pond

Species/District	Chi	Com	Noa	Syl	Dhs	Far	Jam
Rui (<i>Labeo rohita</i>) ..	14.59	35.17	42.76	20.85	26.23	33.97	46.91
Catla (<i>Catla catla</i>) ..	25.12	35.13	27.43	5.06	27.01	45.90	32.73
Mrigal (<i>Cirrhinus mrigala</i>) ..	20.24	15.79	13.51	5.69	25.09	15.25	17.62
Kalhaus (<i>Labeo calbasu</i>) ..	2.74	..	..	11.19	..	..	1.16
Mirror carp ..	..	3.53	10.78	..	1.66	..	..
Silver carp (<i>Hypophthalmichthys molitrix</i>)	3.62	10.11	..	..	5.50	..	1.58
Grass carp (<i>Ctenopharyngodon idellus</i>)	..	.9	..	..	..	..	..
Mirror carp (<i>Cyprinus carpio</i> var. <i>specularis</i>)	.03	..	..	..	..	..	..
Tilapia (<i>Oreochromis mossambicus</i> <i>O. niloticus</i>)	..	..	.85	..	..	..	..
Shrimp ..	1.48	.03	..	1.87	.49	..	..
Aor (<i>Mystus aor</i> /M. <i>seenghala</i>)	..	..	..	10.61	..	..	..
Boal (<i>Wallago attu</i>) ..	1.68	..	..	0.20	..	..	..
Shol, Gazar & Taki (<i>Channa Spp.</i>)	.97	..	.34	.86	1.02	0.10	..
Chital, Phali (<i>Notopterus</i> <i>chitala</i> /N. <i>notopterus</i>)	..	..	..	2.41	..	..	..
Koi (<i>Anabas testudineus</i>) ..	1.44	..	.09	.36	1.11	..	..
Singi, MaSur (<i>Heteropneustes</i> <i>fossilis</i> /C. <i>batrachus</i>)	.91	..	..	.08	1.44	..	..
Sar panti (<i>Puntius sarana</i>) ..	..	..	..	..	..	..	..
Panti (<i>Puntius Spp.</i>) ..	5.84	.04	.28	16.63	4.23	..	..
Others ..	21.34	.11	3.96	24.19	6.22	4.78	..
Total. ..	100	100	100	100	100	100	100

Catch (Cultured) by District (1986-87)

Mym	Tan	Bar	Jes	Khu	Kus	Pat	Bog	Din	Fab	Raj	Rang	Bangla- desi
22.64	25.21	44.51	24.81	23.22	21.31	48.05	27.64	16.37	27.10	23.71	16.70	28.38
33.58	37.65	30.11	45.85	17.30	26.00	23.67	34.67	22.60	42.29	34.33	50.62	33.29
22.48	15.61	24.16	5.53	9.85	29.06	..	9.49	8.32	27.07	13.66	7.35	16.41
1.44	..	..	11.36	.17	..	..	.23	..	..	.68	.28	.96
..	6.68	..	6.72	.02	16.01	1.59	.93	..	..	.52	..	1.97
3.70	13.35	..	1.49	17.34	3.32	26.69	5.27	29.26	1.62	22.57	3.69	9.74
..	..	..	..	.14	..	..	..	..	..	..	..	.02
..	..	..	..	..	..	..	..	..	..	..	..	.01
..	..	..	..	1.29	..	..	..	..	..	..	..	.09
..	..	..	..	2.94	.57	..	.14	..	..	..	..	.24
..	..	..	..	..	..	..	..	..	..	.02	..	.26
.27	..	..	..	.48	..	..	.06	..	..	..	..	.08
..	..	..	..	10.55	..	..	4.70	1.76	..	..	1.92	.83
..	..	.78	.29	..	..	..	..	.16	..	..	..	.12
.29	..	..	..	.09	..	..	1.71	1.60	..	..	.34	.25
.17	..	..	..	3.69	..	..	3.71	.96	..	..	..	.46
..	..	..	..	.35	..	..	.39	..	..	..	..	.04
..	..	..	2.55	.39	1.84	..	8.31	.37	.09	..	5.30	1.44
15.43	1.50	.44	1.40	12.18	1.89	..	2.75	18.60	1.83	4.51	13.80	5.36
100	100	100	100	100	100	100	100	100	100	100	100	109

TABLE-16

Species Composition (Percentage of Weight) of Pond Catch (Cultured, Culturable & Derelict) 1986-87

Species	Cultured %	Culturable %	Derelict %	Country %
Rui (<i>Labeo rohita</i>)	28.38	1.73	1.84	21.20
Catla (<i>Catla catla</i>)	33.29	2.25	1.16	24.80
Mrigal (<i>Cirrhinus mrigala</i>) ..	16.41	3.03	0.85	12.56
Kalbasu (<i>Labeo calbasu</i>) ..	0.96	0.15	..	0.72
Minor carp	1.97	0.93	0.01	1.59
Silver carp (<i>Hypophthalmichthys Molitrix</i>) ..	9.74	2.87	1.17	7.70
Grass carp (<i>Ctenopharyngodon idellus</i>) ..	0.02	0.01	0.41	0.06
Mirror carp (<i>Cyprinus carpio var. specularis</i>)	0.01	..	0.05	.01
Tilapia (<i>Oreochromis mossambicus/ O. niloticus</i>)	0.09	0.14	0.24	0.12
Shrimp	0.24	2.88	2.50	0.91
Aor (<i>Mystus aor</i>)	0.26	0.53	0.43	0.32
Boal (<i>Wallago attu</i>)	0.08	2.74	2.26	0.75
Shol, Gazar & Taki (<i>Channa Spp.</i>)	0.88	16.15	20.68	5.50
Chital, Phali (<i>Notopterus Spp.</i>)	0.12	1.12	0.95	0.37
Koi (<i>Anabas testudincus</i>) ..	0.25	6.10	7.07	1.93
Singi, Megur (<i>Heteropneustes fossilis, Clarias batrachus</i>) ..	0.46	5.88	8.18	2.18
Sar punti (<i>Puntius sarana</i>) ..	0.04	0.63	0.11	0.14
Punti (<i>Puntius Spp.</i>)	1.44	18.53	18.71	6.07
Others	5.36	34.33	33.36	13.07
Total	100	100	100	100

SOURCE : Based on sample pond study.

TABLE-17

Annual Total Catch of Baors 1986-87

Old District			Area of Baors in Hectare	Catch of Baors in Metric Ton
Faridpur	..	..	965	172
Jessore	..	..	2,734	685
Khulna	..	..	331	59
Kushtia	..	..	1,458	258
Total	..	..	5,488	1,174

(i) Catch rate of Govt. managed 7 Baors @ 381 kg Hec. (Govt. managed Baors)

(ii) Catch rate of Private managed Baors @ 177 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
Productivity--SPARRSO Report.
Catch Assessment Survey

TABLE-18

Species Composition (% of weight) of Baor Catch 1986-87

Species	Govt. managed Baor	Private by managed Baor
Major carp	36.20	59.14
Other carp	..	..
Exotic carp	57.50	2.42
Cat fish	..	..
Snake head	1.46	11.79
Live fish	0.19	..
Other fish	4.12	26.65
Shrimp	0.53	..
Total	100	100

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

TABLE-19

Annual Total Catch of Shrimp Farm 1986-87

Old District		Area of Shrimp Farms in Hectare	Catch in Metric Ton		Total
			Shrimp	Fish	
Chittagong	.. ..	24,755	3,354	1,279	4,633
Khulna	.. ..	62,120	11,361	5,977	17,338
Jessore	.. ..	328	44	17	61
Patuakhali	.. ..	26	4	1	5
Barisal	.. ..	45	6	2	8
Noakhali	.. ..	26	4	1	5
Total	.. ..	87,300	14,773	7,277	22,050

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

Khulna : Shrimp- 182.88 kg/ha
Fish- 96.21 kg/ha

Chittagong & : Shrimp- 135.50 kg/ha
Other Districts : Fish- 51.65 kg/ha

2. Area of shrimp farm for the year 1986-87 has been estimated on the basis of the frame survey conducted during 1986.

SOURCE : Catch Assessment Survey.

TABLE-20

Species Composition of Shrimp Catch (% of weight) from Shrimp Farms
of Khulna and Chittagong Region 1986-87.

Species				Khulna	Chittagong
Bagda (<i>P. monodon</i>)	..	..	..	54.25	45.76
Golda (<i>M. rosenbergii</i>)	..	..	..	2.99	..
Honna (<i>Metapenaeus monoceros</i>)	..	..	..	12.26	21.06
Chaka (<i>P. indicus</i>)	..	..	..	2.16	9.74
Other Shrimp	..	..	..	28.34	23.45
Total	..	..	..	100	100

SOURCE : Based on sample shrimp farm study.

TABLE-21
Species Group-wise Catch in Inland Fisheries by Sector 1986-87

Species	[Unit : Metric Ton]							
	River	Sundarban	Boal	Subsistence	Baor	Pond	Kaptai Lake	Shrimp Farm
Major Carp	981	..	3,421	..	441	83,668	127	..
Other Carp	1,039	..	4,313	1,415	..	3,473	154	..
Exotic Carp	..	..	..	..	635	11,102	..	..
Cat fish	3,743	..	8,487	4,080	..	2,057	232	..
Snake head	..	..	1,645	25,401	25	7,858	135	..
Live fish	138	..	160	13,362	2	5,872	..	..
Other inland fish	75,009	4,615	23,403	123,070	65	27,546	3,333	7,277
Hilsa fish	90,548	619	..	..	..	..	..	..
Big Shrimp & Prawn	1,903	480	..	..	..	..	..	..
Small Shrimp & Prawn	21,756	321	648	16,468	6	1,300	..	..
Total	195,117	6,035	42,077	183,796	1,174	142,876	3,981	22,050
								597,106
								100

Source : Catch Assessment Survey

TABLE 22

Annual Total Catch of the Marine Fisheries: 1986-87

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	31	..	4,178	3,099	7,277
(b) Mixed trawler	8	..	304	3,336	3,640
(c) Fish trawler	10	..	6	1,433	1,439
Sub-Total ..	49	..	4,488	7,868	12,356
B. Artisanal					
(1) Gill net fishing:					
(a) Mechanised ..	2,882	..	..	115,997	115,997
(b) Non-mechanised	3,800	..	..	9,898	9,898
Sub-Total	6,682	..	..	125,895	125,895
(2) Set bag net fishing :					
(a) Seasonal ..	..	5,460	3,031	41,506	44,537
(b) All season ..	..	7,155	6,000	11,172	17,172
Sub-Total ..	..	12,615	9,031	52,678	61,70
(3) Long line fishing: Jew fish long line					
(a) Mechanised ..	250	}	..	3,000	3,000
(b) Non-mechanised	135				
(c) Other long line ..	965	..	..	825	825
Sub-Total ..	1,350	..	..	3,825	3,825
(4) Trammel net fishing	..	300	84	2,095	2,179
(5) Other gears fishing	1,561	2,222	1,551	10,064	11,615
Total Artisanal ..	..	..	10,666	14,557	205,223
Grand Total (Industrial+Artisanal)			15,154	202,425	217,579

TABLE-24

Comparison of Annual Total Catch of 1986-87 with those of 1985-86

Sector of Fisheries	Annual Total Catch (M.T.)		Increase (B) - (A)	Percent Increase
	1985-86 (A)	1986-87 (B)		
A. Inland Fisheries				
(a) Capture				
1. Rivers & Estuaries ..	199,600	195,117	-4,483	-2.3
2. Sundarban ..	7,112	6,035	-1,077	-15.2
3. Beels ..	45,258	42,077	-3,181	-7.1
4. Kaptai Lake ..	2,433	3,981	1,548	63.6
5. Flood lands ..	187,396	183,796	-3,600	-1.9
Capture Total ..	441,799	431,006	-10,793	-2.4
(b) Culture				
1. Ponds ..	123,804	142,876	19,072	15.4
2. Baors ..	968	1,174	206	21.3
3. Shrimp Farms ..	19,951	22,050	2,099	10.5
Culture Total ..	144,723	166,100	21,377	14.8
Inland Total ..	586,522	597,106	10,584	1.8
B. Marine Fisheries				
(a) Industrial Fisheries (Trawl)	11,898	12,356	458	3.8
(b) Artisanal Fisheries ..	195,503	205,223	9,720	4.9
Marine Total ..	207,401	217,579	10,178	4.9
Country Total ..	793,923	814,685	20,762	2.6

TABLE-25

Production of Carp-Hatchlings in Bangladesh, 1987

Sources of Production					Quantity of Hatchling Produced (kg)
A. Natural Sources	..	..	..	..	22,007.93
B. Artificial Sources					
(i) Govt. Hatcheries/Fish Seed Farms	..		..	..	1,070.84
(ii) F. R. I.	..	..	..	..	388.00
(iii) Private Hatcheries	..	..	..	..	6,879.77
Total					30,346.54

TABLE-26

Information on Hatchlings Production in Govt. Hatcheries and Fish Seed Farms, 1987

Division/Hatchery					Quantity of Hatchling Produced (kg)
1. Fish Seed Farms and hatcheries of:					
(a) Dhaka Division	..	..	..	..	164.32
(b) Chittagong Division	..	..	..	..	257.37
(c) Khulna Division	..	..	..	..	178.35
(d) Rajshahi Division	..	..	..	..	137.57
2. Central hatchery of Baor Dev. Project (Jhenidaha)	..			..	59.53
3. Raipur Fish Hatchery and Training Centre	..			..	260.70
4. Gulshan Lake Hatchery	..	..	..	..	13.00
5. Hatchery of Fishery Research Institute, Mymensingh	..			..	358.00
6. Hatchery of Riverine Fishery Research Institute, Chandpur					30.00
Total					1458.84

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 1987 (Division-wise)

Division					No. of Hatcheries	Quantity of Hatchlings (4-5 days old fry) Produced (kg)
Chittagong	..	..	..	..	75	2,123.27
Dhaka	..	..	..	..	29	371.50
Rajshahi	..	..	..	..	30	1,332.00
Khulna	..	..	..	..	80	3,053.00
Total					214	6,879.77

TABLE-23
Report of Carp Spawn/Fertilized Egg Collection from Natural Sources-1987

District	Upazila	Collection Centre	Name of River	Number of				Collection Period	Frequency of Spawning Time	Quantity of Spawn/ Fertilized Egg	Sale Rate Tk/kg	Remarks	
				Savar Engaged	People Engaged	Net Boat Used	Boat Used						
1	2	3	4	5	6	7	8	9	10	11	12	13	
Kurigram	Ulipur	Baladoba	Brahmaputra	2	30	48	4	05-07-87- 07-07-87	2	88.5	1000		
								05-07-87-		16.88	1000		
										88.5			
	Chilmari	Natorikandi		2	11	18	2	15-07-87- 31-07-87	1				
	Kurigram (Sadar)	Rasulpur, Charparbatipur, Jatrapur	Dudkumar	5	15	54	5	12-06-87- 27-07-87	1	68	1200		
Sub-Total				9	56	120	11			173.18			
Gaibandha	Gaibandha (Sadar)	Kamarjani, Balashighat, Mollarchar	Brahmaputra	14	134	328	16	14-06-87- 20-06-87 & 24-06-87- 29-06-87	2	317	2000		
	Fulekhuri	Gozaria, Arendabari, Jamira, Ratampur	Brahmaputra, Jamuna	79	398	2358	53	30-05-87- 31-05-87 & 04-06-87- 20-06-87	2	904.87	1100		
	Saghata	Saghata, Bharatkhal	Jamuna	57	296	1280	32	30-05-87- 31-05-87 & 04-06-87- 26-06-87	2	345.62	1000		
Sub-Total				9	150	828	3966	1021		1567.49			

Report of Carp Spawn/Fertilized Egg Collection from Natural Sources-1987

District	Upazila	Collection Centre	Name of River	Number of			Collection Period	Frequency of Spawning Time	Quantity of Spawn/ Fertilized Egg Caught(kg)	Sale Gate Tk/kg	Remarks	
				Savar People Engaged	Net Boat Used	Boat Used						
1	2	3	4	5	6	7	8	9	10	11	12	13
Jamalpur	Sarishabari	Stal, Awna, Pingna	Jamuna	16	315	419	40	17-05-87- 01-06-87 & 04-06-87- 30-06-87 & 02-07-87- 24-07-87.	3	254.7	4000	
	Madarganj	Nadagarighat	Jamuna	5	..	60	10	..	..	75	1500	
	Dewanganj	Bahadurabad-ghat, Jalarchar	Jamuna	23	216	443	26	20-06-87- 30-06-87 & 19-07-87- 31-07-87.	2	186.5	1850	
	Islampur	Amtolli, Kulkandi, Charmunna, Belgacha	Jamuna	31	238	569	39	01-06-87- 19-06-87 & 28-06-87- 08-07-87.	2	315.5	2500	
Sub-Total-				75	769	1491	115	..	..	831.7	..	
Tangail	Gopalpur	Goalpacha	Jamuna	2	26	22	3	20-05-87- 22-05-87 & 05-06-87- 07-06-87 & 22-06-87- 24-06-87.	3	10	2665	

Bhuapur	Bhuapur, Ferryghat, Rampur, Konabari, Bhuiya ara, Rajapur, Jagatpura, Kuthiboyra, Nalinkolghat, Khalurbari	Jamuna	24	148	360	24	12-05-87- 28-05-87 & 04-06-87- 09-06-87.	2	345	2000
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Sub-Total		11	..	26	174	382	27	..	..	355	..
Bogra	Sonatala	Khabutia, Tekanichukai- nagor.	Jamuna	10	141	375	12	23-06-87- 24-06-87.	1	257.5	200
	Sariakandi	Hatsherpur, Pakulla, Mathurapara, Dhap.	Jamuna	60	320	1127	39	26-05-87- 03-06-87 & 11-06-87- 28-06-87.	2	213.6	700
Sub-Total-		6	..	70	461	1502	51		..	471.1	..

Sirajganj	Sirajganj (Sadar)	Sirajganjghat, Vatpiari, Mesra, Chatiantolli, Jogtala, Chashalia, Bamunboyra, Panchasonarihar.	amuna	250	232	5250	87	11-06-87- 13-06-87 & 20-06-87- 23-06-87 & 26-06-87- 28-06-87.	3	9193.75	3750
Belkuchi	Randhunibari	Jamuna	8	61	250	13	04-06-87- 24-06-87.	1	70	2000	
Kazipur	Tarakandi	Jamuna	50	400	1165	50	06-06-87- 29-06-87 & 05-07-87- 29-07-87.	2	640	2000	

Report of Carp Spawn/Fertilized Egg collection from Natural Sources-1987

District	Upazila	Collection Centre	Name of River	Number of			Savar	People Engaged	Net Boat Used	Collection Period	Frequency of Spawning Time	Quantity of Spawn/Fertilized Egg Caught(kg)	Sale Rate Tk/kg	Remarks
				5	6	7								
1	2	3	4	5	6	7	8	9	10	11	12	13		
	Sahajadpur	Sonatauri	Jamuna	50	320	1250	250	13-06-87- 15-06-87 & 26-06-87- 02-07-87	2	785	3000			
	Chouhali	Baytil	Jamuna	6	44	295	12	02-06-87- 07-06-87 & 22-06-87- 25-06-87.	2	35.5	3200			
	Sub-Total		12	..	364	1047	8210	412	..	..	10724.25			
Manikganj	Shivalaya	Garamara, Kaikhali, Goaria, Charbaghotia, Dopakhali, Char Mohali, Gionpur, Jafarganj, K. D. C. (UP).	Jamuna/Anar	9	44	151	13	03-06-87- 05-06-87 & 14-06-87- 19-06-87 & 25-06-87- 28-06-87.	3	313.56	1800			
	Daulatpur	Bachamara	Jamuna/Anar	12	45	250	17	14-06-87- 19-06-87	1	25	1500			
	Sub-Total-		10	21	89	401	30				338.56			

Padma Bera	Chopchilonda, Jamuna	24	159	533	24	..	..	50	2000
	Bahlatolla,								
	Nakaliahazar,								
	Raghunathpur								
		24	159	533	24	..	..	50	..
Sub-Total-	4	24	159	533	24	..	..	50	..
Brahmaputra-Jamuna Total		739	3593	16605	771				14511.218
Rajshahi	Godagari	Peroipur,	U. Padma	18	117	150	..	35.6	1000
		Harisarkarpur,							
		Rajabari,							
		Prentoli,							
		Dumuria,							
		Bidirpur.							
		22-06-87-							
		24-06-87 &							
		24-06-87-							
		26-07-87 &							
		06-08-87-							
		08-08-87.							
Sub-Total-	6	18	117	150	..	..	..	35.6	..
Rajshahi	Foba	Bulonpur,	U. Padma	28	135	247	28	103.12	17250
		Sonaikandi,							
		Harupur,							
		Nabuganga,							
		Ranchandrajpur,							
		Shapur							
		20-06-87-							
		28-06-87 &							
		08-07-87-							
		20-07-87 &							
		03-08-87-							
		09-08-87.							
Charghat		Gopalpur,	U. Padma	8	61	42	4	20.24	1000
		Kuthipara,							
		Gonsarpur							
		09-07-87-							
		30-07-87							
Ragha		Mirganj,	U. Padma	10	87	33	8	38	1000
		Narayanpur,							
		Harikampur,							
		Alajur,							
		Khaierhat,							
		Chandpur.							
Sub-Total	15	46	283	322	40	..	..	161.36	..

Sheet of Cash Statement

Report of Carp Spawn/Fertilized Egg Collection from Natural Sources-1982

Report of Carp Spawning Returned 1985

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 Boat Used						
1	2	3	4	5	6	7	8	9	10	11	12	13
Rajshahi	Charghat	Mianpur, Charghat, Jhikraghat.	U. Padma (Boral)	11	89	69	12	13-07-87-30-07-87.	1	23.5	975	
	Sub-Total	3		11	89	69	12	..	..	23.5	..	
Pabna	Sujanagar	Sujanagar, Najirgonj.	U. Padma	50	855	1750	50	14-08-87-30-07-87.	1	1215	1800	
	Ishwardi	..	.....	..	..	..	..	..	..	..	..	
	Sub-Total	2		50	855	1750	50	..	..	1215	..	
Kushtia	Bheranara	Bashbigharchar, Rataghat, Golapnagar.	U. Padma	15	221	603	37	09-07-87-27-07-87 & 03-08-87-22-08-87.	2	79	2000	
	Mirpur	Sahebunagar	U. Padma	2	14	40	2	25-07-87-27-07-87 & 24-08-87-27-08-87.	2	6.12	3200	
	Daulatpur	Bharkapara-ghat, Halkhalaghat, Puariarghat, Rajar Bariaghat	U. Padma	5	29	36	6	08-07-87-12-07-87 & 15-07-87-30-07-87.	2	47	950	
	Sub-Total-3			22	264	679	45	..	..	123.12	..	
	Upper Padma Total			147	1603	2970	147	..	..	1558.58	..	

Manikgarj	Harirampur	Kadantali, L. Padma	3	12	35	6	25-05-87- 30-05-87.	1	6-25	4000
		Sub-Total 2	3	12	35	6	..	..	6-25	..
Rajbari	Goulondo	Dauladiaghat L. Padma	50	1070	2190	150	23-06-87- 24-06-87.	1	888-5	5200
		Sub-Total-1	50	1070	2190	150	..	..	888-5	..
Faridpur	Faridpur (Sadar)	Uttar Digrit- L. Padma	79	224	1745	82	22-05-87- 04-06-87.	1	2624	2250
		North Channel, Kabirpur, Nabat Tak, Hajigonjerbari, Gopalpurghat L. Padma	6	41	114	12	14-06-87- 01-07-87.	1	42-85	2200
	Char Bhadrashan									
		Sub-Total-6	85	265	1859	94			2666-85	
		Lower-Padma Total	138	1347	4684	250	..	..	3561-6	..
Jamalpur	Upper+Lower-Padma Total		285	2955	7054	397	..	..	5120-18	..
	Jamalpur (Sadar)	Nandirabazar- Old Brahmaputra	2	22	40	3	24-05-87- 25-05-87 & 01-06-87- 30-06-87.	2	11-5	5500
		Sub-Total-1	2	22	40	3	..	..	11-5	..
Mymensingh	Mymensingh Majherghat, Policeghat, Kacharighat, Zelkhanarchar, Kismat, Begunbari, Krishni Biswa-bidyalay, Pakaghat, Chattrarghat, Kalibarirchar, Piyarpur.	Old Brahmaputra	21	78	393	21	10-06-87- 15-06-87 & 23-06-87- 27-06-87.	2	119-7	3000
		Sub-Total-11	21	78	393	21	..	..	119-7	..

Report of Carp Spawn/Fertilized Egg collection from Natural Sources-1987

District	Upazila	Collection Centre	Name of River	Number of				Collection Period	Frequency of Spawning Time	Quantity of Sawn/Fertilized Egg	Sae Gate Tk/kg	Remarks	
				Savar Engaged	People Net Used	Boat Used							
	1	2	3	4	5	6	7	8	9	10	11	12	13
	Sherpur	Nakla	Shikdaryara	Brahmaputra	5	57	80	8	08-09-87	1	55	1800	
		Sub-Total-1			5	57	80	8		..	55	..	
	Tangail	Tangail (Sadar)	Charfatepur, Kasi Nagar, Charpouli	Dhaleshwari	3	37	60	3	15-06-87 - 16-06-87	1	3.5	3000	
		Delduar	Abdullahpur, Alahar, Kauly, Salpolarugram	Dhaleshwari	10	113	86	20	04-05-87 & 06-05-87 & 20-05-87 & 22-05-87 & 05-06-87 - 06-06-87 & 20-06-87 - 22-06-87	4	95.5	2500	
		Nagarpur	Patuakhali, Nalsandha	Dhaleshwari	4	35	135	4	04-06-87 - 09-05-87	1	75	2750	
		Sub-Total			17	185	281	27	..	..	174	..	
	Manikganj	Saturia	Rajoir, Tillikoni	Dhaleshwari	7	40	172	6	20-05-87 - 03-06-87 & 10-06-87 - 31-06-87	2	27.97	2250	
		Sub-Total			7	40	172	6		..	..	27.97	

Manikganj	Manikganj (Sadar)	Tillighat, Taraighat	Kaligonga	2	9	45	2	23-06-87- 27-06-87.	1	55	1860
Sub-Total-		2	2	9	45	2	..	..	..	55	..
Kushia	Kushia (Sadar)	Sashanghat	Gorai	6	63	44	3	17-07-87- 19-07-87 & 26-07-87- 27-07-87.	2	7.8	1450
Mirpur		Talbaria	Gorai	3	22	51	3	10-07-87- 12-07-87 & 25-07-87- 28-07-87.	2	12.1	3000
Khoksa	Kamlapur, Osmanpur.		Gorai	2	17	12	2	22-07-87- 26-07-87 & 16-08-87- 18-08-87,	2	2	1500
Kumarkhali	Hasadiarchar, Jadhubayra.		Gorai	3	18	46	5	01-07-87- 04-07-87 & 17-07-87- 19-07-87 & 30-07-87- 31-07-87.	3	9	1250
Sub-Total-		6	14	120	153	13	..	..	..	30.9	..
Magura	Sreepur	Rajdhat ur, Rai tagar, Nakal, Kamalpur, Gogaramkhali, Ghosel, Gouldah	Gorai	50	180	780	105	05-07-87- 12-07-87 & 25-07-87- 30-07-87 & 14-08-87- 20-08-87.	3	796.5	..
Sub-Total-		7	50	180	780	105	..	..	..	796.5	..

Report of Civil Commissioner, 1987, for Collection Data, Manikganj District.

Report of Carp Spawn/Fertilized Egg Collection from Natural Sources-1987

District	Upazila	Collection Centre	Name of River	Number of			Collection Period	Frequency of Spawning Time	Quantity of Sawn/Fertilized Egg Caught(kg)	Sale Rate Tk/kg	Remarks	
				Savar Engaged	People Used	Boat Used						
	2	3	4	5	6	7	8	9	10	11	12	13
Magura	Mohammad- pur	Horinadhang, Ragurathpur, Sirgram, Palla, Jashamontha- pur, Ghama.	Madhumati	10	121	201	20	11-07-87- 18-07-87.	1	33-25	3500	
Sub-Total- 5				10	121	201	20	..	..	33-25	..	
Magura	Magura (Sadar)	Kashipur, Sitarampur, Lonkachar, Sirganowapara, Honadanga, Babukhali, Kamarkhali	Madhumati	50	470	580	40	14-07-87- 24-07-87.	1	141-65	2400	
Sub-Total- 7				50	470	580	40	..	..	141-65	..	
Madaripur	Shibchar	Kamarhat, Kalatola, Babnatola, Purbokakoir, Char Samail Urrail, Char Bahertola, Dattapara.	Arial Khan	27	35	600	35	28-06-87- 30-06-87 & 14-07-87- 15-08-87.	2	190	1700	
Sub-Total- 8				27	35	600	35	..	..	190	..	

Madaripur Rajoir Goalbathan, Kumar, 20 141 231 20 27-06-87- 2 2-6 600
Mendadi. 28-06-87 &
13-07-87-
14-07-87..

Sub-Total- 2 20 141 231 20 .. 4-6 ..

Chaudanga Chaudanga Hazra-hater Mathabhangra 2 14 5 5 28-07-87- 1 9-4 2500
(Sadar) Moor. 10-08-87.

Sub-Total- 1 2 14 5 5 .. 9-4 ..

Chaudanga Alamdanga Bhagbaria, Haulia 10 54 16 2 05-08-87- 1 85-5 250
Hatboalia. 11-08-87.

Sub-Total- 2 10 54 16 2 .. 85-5 ..

Chittagone Hathazari Gourdaria, Halda 148 1125 371 375 12-04-87- 2 354-5 9000 473 pills
Uttar Madar- sha, 14-04-87 & used
Madiya 05-06-87-
Madarsha, 09-06-87.
Bharinghona,
Dakhin
Madarsha,
Madarsha.

Nauzan Azizerghat, Halda 179 2171 346 338 12-04-87- 2 237 9300 779 pills
Khalifarghona, 16-04-87 & used and
Ramdashat, 05-06-87- 17,235
Modunaghat, 10-06-87.
Sonaimukh
(Birajuri),
West Gohira,
Kagotiamukh,
Napierghat.

Sub-Total- 14 327 3296 721 713 .. 648-5 ..

Country Total- 188 1588 11370 27957 2188 .. 22007-933

B.G.P.- 89/90- 2446B-1000 -14-5-1990.

OFFICE OF THE DISTRICT OFFICER, CHITTAGONG.

