



**FISHERY CATCH
STATISTICS
OF
BANGLADESH**

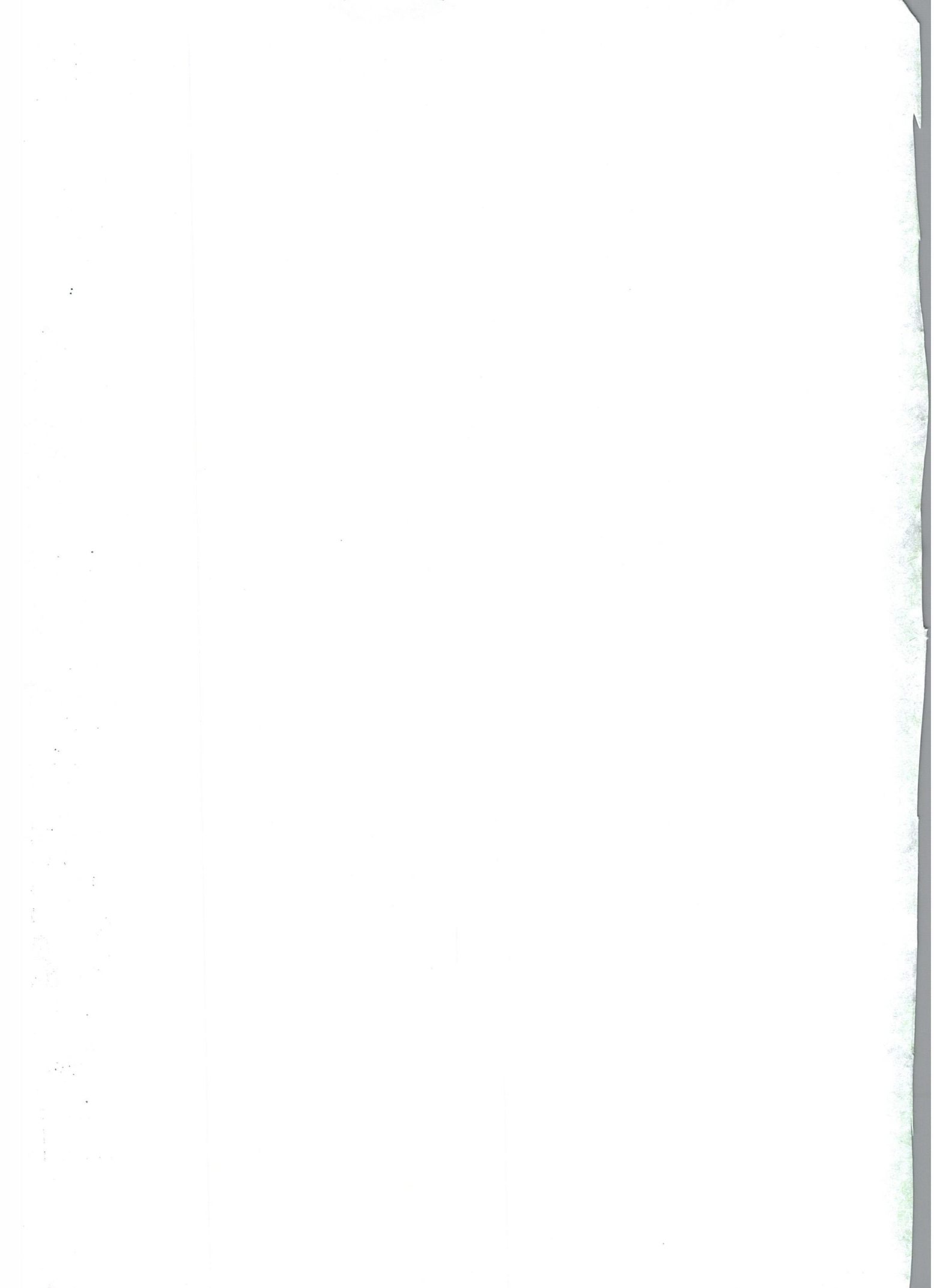
1988-89

DEPARTMENT OF FISHERIES

**Fish Catch
Statistics of
Bangladesh
1988-89**



BANGLADESH AGRICULTURAL RESEARCH COUNCIL
Department of Fisheries



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Table-1

Annual Total Catch and Area Productivities by Sectors of Fisheries for July 1988-June 1989

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	181,140	176
2. Sundarban		6,416	-
3. Beels	114,161	47,019	412
4. Kaptai Lake	68,800	3,439	50
5. Flood Lands	2,832,792	186,126	66
Capture Total	4,047,316	424,140	50.5%
(b) Culture			
1. Ponds	146,890	155,012	1,055
2. Baors	5,488	1,321	241
3. Shrimp Farms	108,280	27,172	251
Culture Total	260,658	183,505	21.8%
Inland Total	4,307,974	607,645	72.3%
B. Marine Fisheries			
(a) Industrial Fisheries (Trawl)		10,353	
(b) Artisanal Fisheries		222,928	
Marine Total		233,281	27.7%
COUNTRY TOTAL		40,926	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 1988-89

Species	[Unit : Metric Ton]			
	Inland Fisheries	Marine Fisheries	Total	%
Major Carp	102,585		102,585	12.20
Exotic Carp	12,581		12,581	1.50
Other Carp	12,218		12,218	1.45
Cat Fish	23,827		23,827	2.83
Snake Head	16,110		16,110	1.92
Live Fish	25,301		25,301	3.01
Other Inland fish	272,323		272,323	32.38
Hilsa/Ilish	81,641	110,311	191,952	22.83
Bombay Duck (<i>Harponodon nehereus</i>)		19,932	19,932	2.37
Indian Salmon (<i>Polydactylus indicus</i>)		858	858	0.10
Pomfret (Rup Hail Foli Chanda)		3,450	3,450	0.41
Jew Fish (Poa, Lambu, Kaladatina etc.)		8,618	8,618	1.02
Sea Cat Fish (<i>Tachysurus</i> Spp.)		14,789	14,789	1.76
Sharks, Skates & Rays		2,539	2,539	0.30
Other Marine Fish		55,680	55,680	6.62
Shrimp	61,059	17,104	78,163	9.29
TOTAL	607,645	233,281	840,926	100
%	72.26	27.74	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 1988-89

[Unit : Metric Ton]

Old District	River & Estuaries	Sund-arban	Beel	Kaptai lake	Flood Land	Pond	Baor	Shrimp Farm	Total
Chittagong & C.H.Ts.	39,877		190	3,439	12,362	16,972		4,888	77,728
Comilla	15,345		458		19,069	24,935			59,807
Noakhali	18,966		1		1,164	11,595		11	41,737
Sylhet	13,078		17,999		14,812	8,340			54,229
Dhaka	9,668		1,103		21,900	6,462			38,533
Faridpur	1,535		408		6,696	5,063	182		13,884
Jamalpur	1,578		-		4,965	1,627			8,570
Mymensingh	11,706		15,478		11,826	9,735			48,745
Tangail	538		603		4,411	1,413			6,965
Barisal	48,101		24		12,213	13,088		6	73,432
Jessore	770		1,458		10,019	9,928	802	190	23,167
Khulna	2,260	6,416	106		9,688	7,012	62	12,987	47,531
Kushia	1,400		636		2,340	1,326	275		5,977
Patuakhali	11,981		-		3,078	7,381		90	22,530
Bogra	379		1,863		7,557	4,571			14,370
Dinajpur	76		253		2,981	7,036			10,346
Pabna	1,808		908		4,972	5,197			12,885
Rajshahi	426		3,865		10,344	10,246			24,881
Rangpur	1,248		1,666		16,329	3,085			22,328
TOTAL	181,140	6,416	47,019	3,439	186,126	155,012	1,321	27,172	607,645
%	29.81	1.06	7.74	0.57	30.63	25.51	0.22	4.46	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 1988-89

[Unit : Metric Ton]

Old District]	Principal River						Other Rivers	Total
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahm- aputra		
Chittagong & C.H.Ts.							39877	39877
Comilla	5373	6347					3625	15345
Noakhali	18641						325	18966
Sylhet		1806					11272	13078
Dhaka		4952	902		173		3641	9668
Faridpur	127		792	141			475	1535
Jamalpur					1430	15	533	1978
Mymensingh		1025					10681	11706
Tangail					94		444	538
Barisal	31575						16526	48101
Jessore							770	770
Khulna							2260	2260
Kushtia				164			1236	1400
Patuakhali							11981	11981
Bogra					158		221	379
Dinajpur							76	76
Pabna				282	565		961	1808
Rajshahi				126			300	426
Rangpur					217	523	508	1248
TOTAL	55716	14130	1694	713	2637	538	105712	181140
%	30.76	7.80	0.93	0.39	1.46	0.30	58.36	100

SOURCE : Catch Assessment Survey.

Table-5

Annual Total Catch in Principal Rivers 1988-89

a) Annual Catch by Species

[Unit : Metric Ton]

Name of River	Major carp	Other Carp	Cat fish	Live fish	Hilsa	Big shrimp	Small hrimp	Misc.	Total
Lower Meghna	0	0	54	0	50010	234	534	4884	55716
Upper Meghna	566	64	316	0	5357	168	1213	6446	14130
Sub-Total	566	64	370	0	55367	402	1747	11330	69846
Lower Padma	0	0	65	0	773	5	2	849	1694
Upper Padma	6	2	17	0	195	15	178	300	713
Sub-Total	6	2	82	0	968	20	180	1149	2407
Jamuna	129	345	474	0	493	0	118	1078	2637
Brahmaputra	61	8	102	0	14	3	27	323	538
Sub-Total	190	353	576	0	507	3	145	1401	3175
TOTAL	762	419	1028	0	56842	425	2072	13880	75428

b) Percentage by Species

[Unit : %]

Name of River	Major carp	Other Carp	Cat fish	Live fish	Hilsa	Big shrimp	Small hrimp	Misc.	Total
Lower Meghna	0.00	0.00	0.10	0.00	89.75	0.42	0.96	8.77	100
Upper Meghna	4.01	0.45	2.24	0.00	37.91	1.19	8.58	45.62	100
Sub-Total	0.81	0.09	0.53	0.00	79.27	0.58	2.50	16.22	100
Lower Padma	0.00	0.00	3.84	0.00	45.62	0.30	0.12	50.12	100
Upper Padma	0.84	0.28	2.38	0.00	27.36	2.10	24.96	42.08	100
Sub-Total	0.25	0.08	3.41	0.00	40.21	0.83	7.48	47.74	100
Jamuna	4.89	13.08	17.97	0.00	18.71	0.00	4.47	40.88	100
Brahmaputra	11.34	1.49	18.96	0.00	2.59	0.56	5.02	60.04	100
Sub-Total	5.98	11.12	18.14	0.00	15.97	0.09	4.57	44.13	100
TOTAL	1.01	0.56	1.36	0.00	75.36	0.56	2.75	18.40	100

SOURCE : Catch Assessment Survey.

Table-6

Annual Catch in Principal Rivers by District by Species 1988-89

Name of River	[Unit : Metric Ton]								
	Major carp	Other Carp	Cat fish	Live fish	Hilsa	Big shrimp	Small hrimp	Misc.	Total
Lower Meghna	0	0	54	0	50010	234	534	4884	55716
Comilla	0	0	49	0	5302	1	6	15	5373
Barisal	0	0	0	0	27966	233	45	3331	31575
Noakhali	0	0	4	0	16616	0	483	1538	18641
Faridpur	0	0	1	0	126	0	0	0	127
Upper Meghna	566	64	316	0	5357	168	1213	6446	14130
Comilla	7	0	0	0	3607	49	208	2476	6347
Sylhet	26	21	51	0	457	63	397	791	1806
Mymensingh	0	37	47	0	0	0	274	667	1025
Dhaka	533	6	218	0	1293	56	334	2512	4952
Lower Padma	0	0	65	0	773	5	2	849	1694
Faridpur	0	0	0	0	631	0	0	161	792
Dhaka	0	0	65	0	142	5	2	688	902
Upper Padma	6	2	17	0	195	15	178	300	713
Rajshahi	3	2	11	0	40	15	23	32	126
Pabna	0	0	6	0	145	0	7	124	282
Kushtia	3	0	0	0	9	0	144	8	164
Faridpur	0	0	0	0	1	0	4	136	141
Jamuna	129	345	474	0	493	0	118	1078	2637
Rangpur	16	45	41	0	59	0	11	45	217
Jamalpur	107	298	271	0	385	0	83	286	1430
Bogra	4	0	0	0	1	0	11	142	158
Tangail	2	2	1	0	22	0	10	57	94
Pabna	0	0	124	0	20	0	3	418	565
Dhaka	0	0	37	0	6	0	0	130	173
Brahmaputra	61	8	102	0	14	3	27	323	538
Rangpur	61	8	101	0	14	3	26	310	523
Jamalpur	0	0	1	0	0	0	1	13	15

SOURCE : Catch Assessment Survey

Table-7

Annual Catch in Other Rivers by District by Species 1988-89

Old Districts	[Unit : Metric Ton]								
	Major carp	Other Carp	Cat fish	Live fish	Hilsa	Big shrimp	Small hrimp	Misc.	Total
Chittagong & C.H.Ts.	2	13	10	0	66	912	10981	27893	39877
Comilla	444	66	268	3	539	68	345	1892	3625
Noakhali	17	9	77	0	0	20	53	149	325
Sylhet	370	2810	509	0	1511	0	0	6072	11272
Dhaka	64	40	108	0	0	47	299	3083	3641
Faridpur	1	0	5	0	87	0	8	374	475
Jamalpur	4	7	27	1	7	0	9	478	533
Mymensingh	35	220	230	8	6	0	290	9892	10681
Tangail	28	2	2	20	0	0	9	383	444
Baikal	16	0	48	24	13138	266	262	2772	16526
Jessore	14	2	10	0	406	0	178	160	770
Khulna	1	2	41	0	53	126	1191	846	2260
Kushtia	9	0	1	0	1	145	655	425	1236
Patuakhali	11	0	584	0	8400	19	642	2325	11981
Bogra	8	4	4	0	0	0	4	201	221
Dinajpur	0	0	0	1	0	0	0	75	76
Pabna	0	0	0	0	44	0	494	423	961
Rajshahi	0	0	2	0	7	0	2	289	300
Rangpur	9	0	35	3	0	0	0	461	508
TOTAL	1033	3175	1961	60	24265	1603	15422	58193	105712
%	1.0	3.0	1.9	0.1	23.0	1.5	14.6	54.9	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 1988-89

Old Districts	Major carp	Other Carp	Cat fish	Live fish	Hilsa	Big shrimp	Small hrimp	[Unit : Metric Ton]	
								Misc.	Total
Chittagong & C.H.Ts.	2	13	10	0	66	912	10981	27893	39877
Comilla	451	66	317	3	9448	118	559	4383	15345
Noakhali	17	9	81	0	16616	20	536	1687	18966
Sylhet	396	2831	560	0	1968	63	397	6863	13078
Dhaka	597	46	428	0	1441	108	635	6413	9668
Faridpur	1	0	6	0	845	0	12	671	1535
Jamalur	111	305	299	1	392	0	93	777	1978
Mymensingh	35	257	277	8	6	0	564	10559	11706
Tangail	30	4	3	20	22	0	19	440	538
Barisal	16	0	48	24	41104	499	307	6103	48101
Jessore	14	2	10	0	406	0	178	160	770
Khulna	1	2	41	0	53	126	1191	846	2260
Kushtia	12	0	1	0	10	145	799	433	1400
Patuakhali	11	0	584	0	8400	19	642	2325	11981
Bogra	12	4	4	0	1	0	15	343	379
Dinajpur	0	0	0	1	0	0	0	75	76
Pabna	0	0	130	0	209	0	504	965	1808
Rajshahi	3	2	13	0	47	15	25	321	426
Rangpur	86	53	177	3	73	3	37	816	1248
TOTAL	1795	3594	2989	60	81107	2028	17494	72073	181140
%	1.0	2.0	1.7	0.0	44.8	1.1	9.7	39.7	100

Table-9

Annual Total Catch of the Beel Fisheries 1988-89

Old District		Area of Beels (Hectare)	Estimated Annual total Catch (Metric Ton)
Chittagong	...	456	190
Comilla	...	1,103	458
Noakhali	...	3	1
Sylhet	...	32,700	17,999
Dhaka	...	4,918	1,103
Faridpur	...	1,915	408
Jamalpur	...	-	-
Mymensingh	...	29,406	15,478
Tangail	...	2,333	603
Barisal	...	79	24
Jessore	...	5,037	1,458
Khulna	...	365	106
Kushtia	...	2,197	636
Patuakhali	...	-	-
Bogra	...	3,801	1,863
Dinajpur	...	1,252	253
Pabna	...	3,255	908
Rajshahi	...	19,849	3,865
Rangpur	...	5,492	1,666
TOTAL		114,161	47,019

SOURCE : Area of Beel — SPARRSO Report (Beels & Dead Rivers).

Catch — Catch Assessment Survey by the
Fishes Resources Survey System.

NOTE : Catch of Jamalpur is included in Mymensingh District.

Table-10

Species composition (Percentage of Weight) of Beel Catch 1988-89

Species	Pile Fishery	Annual Fishery
Rui (<u>Labeo rohita</u>)	7.25	4.03
Catla (<u>Catla catla</u>)	1.60	1.75
Mrigal (<u>Cirrhinus mrigala</u>)	3.38	2.62
Kalbasu (<u>Labeo calbasu</u>)	6.70	6.89
Gonia (<u>Labeo gonius</u>)	4.10	0.84
Boal (<u>Wallago attu</u>)	10.26	9.51
Air (<u>Mystus aor</u> / <u>Mystus Seenghala</u>)	5.64	3.03
Sho/Gazar (<u>Channa Spp.</u>)	2.40	1.25
Chital/Phali (<u>Notopterus chitala</u> / <u>N. notopterus</u>)	3.26	2.49
Koi (<u>Anabas testudineus</u>)	0.11	0.99
Singi/Magur (<u>Heteropneustes fossilis</u> / <u>Clarias batrachus</u>)	0.76	1.52
Sarpunti (<u>Puntius sarana</u>)	1.85	0.94
Large Shrimp (<u>Macrobrachium rosenbergii</u> / <u>M. malcomsonii</u>)	-	-
Small Shrimp	5.49	3.79
Carpio (<u>Cyprinus carpio</u>)	1.07	0.85
Pabda (<u>Ompok pabda</u>)	4.00	1.65
Punti (<u>Puntius Spp.</u>)	-	2.15
Tengra (<u>Mystus Spp.</u>)	0.83	1.60
Baim (<u>Mastacembelus Spp.</u>)	0.15	0.45
Chapila (<u>Gudusia chapra</u>)	-	3.80
Others	41.15	49.84
TOTAL	100	100

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

Table-11

Annual Catch of Kaptai Lake 1988-89

Species	Catch in Metric Ton
Rui (<i>Labeo rohita</i>)	134
Catla (<i>Catla catla</i>)	40
Mrigal (<i>Cirrhinus mrigala</i>)	21
Kalbasu (<i>Labeo calbasu</i>)	90
Gonia (<i>Labeo gonius</i>)	127
Boal (<i>Wallago attu</i>)	182
Air (<i>Mystus aor</i> / <i>Mystus Seenghala</i>)	223
Shol/Gazar (<i>Channa</i> Spp.)	37
Chital (<i>Notopterus chitala</i>)	218
Phali (<i>Notopterus notopterus</i>)	71
Bacha (<i>Eutropiichthys vacha</i>)	37
Punti (<i>Puntius</i> Spp.)	1
Tengra/Pabda (<i>Mystus tengra</i> / <i>Ompok pabda</i>)	45
Baim (<i>Mastacembelus</i> Spp.)	2
Chapila (<i>Gudusia chapra</i>)	390
Talapia/Silver carp	1
Others	1,820
TOTAL	3,439

SOURCE : Bangladesh Fisheries Development Corporation.

Table-12

Annual Total Catch in Flood Land 1988-89

Old District	No. of Subsistence Fisheries House-hold (000)	Average Catch per House-hold (kg)	Total Catch Estimated (m.t)
Chittagong	656	16.75	10,988
Chitagong Hill Tracts	82	16.75	1,374
Comilla	932	20.46	19,069
Noakhali	538	20.75	11,164
Sylhet	636	23.29	14,812
Dhaka	1136	18.75	21,300
Faridpur	447	14.98	6,696
Jamalpur	412	12.05	4,965
Mymensingh	810	14.60	11,826
Tangail	230	19.18	4,411
Barisal	590	20.70	12,213
Jessore	496	20.20	10,019
Khulna	625	15.50	9,688
Kushtia	129	18.14	2,340
Patuakhali	180	17.10	3,078
Bogra	449	16.83	7,557
Dinajpur	552	5.40	2,981
Pabna	229	21.71	4,972
Rajshahi	819	12.63	10,344
Rangpur	939	17.39	16,329
TOTAL	10,887	17.10	186,126

SOURCE : Catch Assessment of Subsistence Fisheries.

Table-13

**Species Group Composition (Percentage of weight)
of Subsistence Catch by District
1988-89**

Old District	Carp	Cat Fish	Snake Head	Live Fish	Other Inland Fish	Small Shrimp	Total
Chittagong & C.H.Ts.	6.35	9.78	0.00	10.50	51.52	21.84	100
Comilla	5.19	4.48	1.59	19.52	44.18	25.04	100
Noakhali	17.64	0.00	26.63	20.25	32.29	3.19	100
Sylhet	0.00	0.00	6.88	19.63	61.08	12.41	100
Dhaka	0.00	0.00	0.00	7.13	72.01	20.86	100
Faridpur	2.18	2.90	0.00	0.00	94.92	0.00	100
Jamalpur	0.00	0.00	0.00	0.00	100.00	0.00	100
Mymensingh	0.00	8.71	16.73	24.84	49.72	0.00	100
Tangail	0.00	0.00	0.00	0.00	100.00	0.00	100
Barisal	0.00	0.00	1.73	17.75	57.72	22.80	100
Jessore	0.00	4.62	5.74	0.00	77.61	12.02	100
Khulna	4.39	21.52	5.00	11.93	49.24	7.92	100
Kushtia	0.00	4.62	5.74	0.00	77.61	12.02	100
Patuakhali	0.00	0.00	0.00	0.00	52.77	47.23	100
Bogra	0.00	0.00	3.03	4.65	92.32	0.00	100
Dinajpur	0.00	0.00	4.92	31.97	63.11	0.00	100
Pabna	0.00	0.00	0.40	6.59	92.71	0.29	100
Rajshahi	0.00	3.68	0.00	0.00	96.32	0.00	100
Rangpur	0.00	5.26	4.85	3.53	83.64	2.72	100
COUNTRY TOTAL	2.04	4.86	5.20	9.17	68.31	10.42	100

NOTE : Based on sample village study.

Table-14

Total Area and Total Catch of Ponds by District 1988-89

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	9,139	7,710	123	16,972
Comilla	22,546	7,695	3,243	33,484	19,707	3,701	1,527	24,935
Noakhali	18,653	6,366	2,683	27,702	9,160	1,678	757	11,595
Sylhet	4,946	6,901	10,583	22,430	2,492	2,193	3,655	8,340
Dhaka	6,091	6,876	3,990	16,957	4,337	1,286	839	6,462
Faridpur	5,612	6,335	3,675	15,622	3,276	1,151	636	5,063
Jamalpur	1,509	1,042	994	3,545	1,238	206	183	1,627
Mymensingh	16,779	3,188	1,874	21,841	8,302	910	523	9,735
Tangail	1,533	1,059	1,010	3,602	769	365	279	1,413
Barisal	17,790	6,819	4,463	29,072	10,314	1,701	1,073	13,088
Jessore	14,508	2,380	784	17,672	9,013	574	341	9,928
Khulna	10,282	1,684	1,339	13,305	6,538	272	202	7,012
Kushia	2,125	871	790	3,786	1,015	208	103	1,326
Patuakhali	9,980	3,826	2,504	16,310	4,558	2,367	456	7,381
Bogra	7,254	4,724	2,051	14,029	3,914	473	184	4,571
Dinajpur	12,251	7,979	3,464	23,694	4,371	1,820	845	7,036
Pabna	5,582	8,207	4,508	18,297	3,137	1,315	745	5,197
Rajshahi	11,155	16,401	9,009	36,565	5,703	3,115	1,428	10,246
Rangpur	2,912	2,171	4,635	9,718	1,595	466	1,024	3,085
Total	189,358	110,735	62,887	362,980	108,578	31,511	14,923	155,012
%	52.17	30.51	17.32	100	70.04	20.33	9.63	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 Catech (Cultured)
by District (1988-89)

Species	Chl	Com	Nov	Syl	Dha	Far	Jan	Mym	Tan	Bar	Jee	Khu	Kua	Pat	Bog	Din	Pat	Raj	Rem	Bangladesh
Roi (Labeo rohita)	23.42	34.52	34.88	17.75	24.98	34.91	27.27	25.08	4.44	38.53	84.34	25.60	26.86	35.69	20.63	21.76	4.40	10.47	18.36	25.99
Catla (Catla catla)	26.12	28.38	31.14	5.14	28.53	27.72	37.48	23.87	9.77	33.29	18.93	12.74	20.54	34.25	32.23	33.72	54.89	68.32	50.43	37.01
Mrigal (Cirrhinus mrigala)	16.95	19.93	9.43	8.10	19.76	7.79	19.91	10.41	2.22	23.86	1.63	15.71	30.36	5.29	13.51	19.23	13.85	11.54	10.44	14.55
Kalbasu (Labeo calbasu)	0.27	0.00	0.00	18.81	4.44	0.00	0.44	0.00	0.00	0.00	0.00	0.65	0.00	0.79	0.00	1.90	0.69	0.00	0.00	0.93
Minor Carp	4.81	7.95	3.43	0.00	3.28	0.00	0.29	0.00	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.23	0.00	0.00	1.81
Silver Carp (Hypophthalmichthys molitrix)	0.00	5.72	0.00	0.00	1.94	8.24	0.73	0.00	24.77	0.00	2.23	25.02	9.83	7.10	18.42	4.12	21.64	8.99	12.89	7.75
Grass Carp (Ctenopharyngodon idella)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.49	0.95	0.00	0.67	0.00	0.10
Minor Carp (Cyprinus Carpio var. Speculatus)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.51	0.89	0.00	2.55	2.26	1.27	0.00	0.00	0.00	0.59	0.00	0.00	0.61
Tilapia (Oreochromis mossambicus, niloticus)	6.58	0.00	1.14	0.00	0.92	0.00	0.00	0.00	0.89	0.00	0.94	3.44	0.97	9.52	0.00	1.42	0.00	0.00	0.00	0.99
Shrimp	0.48	0.23	0.00	0.46	0.92	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.22
Aur (Mystus acanthiatus Saemphala)	0.03	0.00	0.00	13.19	0.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
Bor (Wetigo am)	1.93	0.54	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.33
Shad Dace & Tild (Channa Spp.)	2.62	0.11	0.00	0.16	0.00	0.90	0.00	1.14	3.11	0.00	0.00	1.77	1.23	1.34	0.00	1.90	0.13	0.00	0.00	0.41
Chitalphal (Notopneustes chitala/N. notopneustes)	0.00	0.00	0.00	0.28	1.28	0.00	0.00	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
Koi (Anabas testudineus)	1.09	0.06	0.00	0.31	0.80	0.00	0.00	0.00	7.09	0.00	0.23	0.00	0.30	0.00	0.00	2.85	0.00	0.00	0.83	0.37
Sing/Magur (Heteropneustes fossilis/Curilas batrachus)	1.53	0.14	0.00	0.12	2.55	0.00	0.00	0.00	1.56	0.00	0.82	0.97	0.25	0.17	0.00	2.26	0.00	0.00	1.37	0.49
Sarpunt (Puntius surati)	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
Punt (Puntius Spp.)	5.78	0.54	0.00	14.62	0.72	0.00	3.00	0.42	0.00	0.00	3.06	0.18	0.47	0.10	0.00	2.69	0.44	0.00	0.02	1.07
Others	8.40	1.79	0.96	21.26	8.38	20.45	13.89	27.88	29.27	1.15	5.25	0.80	3.81	5.48	14.73	6.57	3.14	0.00	5.87	6.66
TOTAL	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Table-16

**Species Composition (Percentage of weight) of Pond
Catch (Cultured, Culturable, & Derelict)
1983-89**

Species	Cultured %	Culturable %	Derelict %	Country %
Rui (<u>Labeo rohita</u>)	25.99	6.61	2.42	19.97
Catla (<u>Catla catla</u>)	37.01	6.18	1.75	27.67
Mrigal (<u>Cirrhinus mrigala</u>)	14.55	2.31	2.74	11.07
Kalbasu (<u>Labeo calbasu</u>)	0.93	0.03	0.00	0.66
Minor Carp	1.81	0.65	2.75	1.70
Silver Carp (<u>Hypophthalmichthys molotrix</u>)	7.75	1.55	0.17	5.82
Grass Carp (<u>Ctenopharyngodon idellus</u>)	0.18	0.00	0.00	0.13
Mirror Carp (<u>Cyprinus Carpio</u> var. <u>specularis</u>)	0.61	0.38	0.53	0.56
Tilapia (<u>Oreochromis mossambicus</u> / <u>O. niloticus</u>)	0.99	1.81	0.17	1.06
Shrimp	0.22	1.49	1.14	0.55
Aor (<u>Mystus aor</u> / <u>Mystus Seenghala</u>)	0.46	0.63	0.09	0.45
Boal (<u>Wallago attu</u>)	0.33	2.46	0.66	0.76
Shol/Gazar & Taki (<u>Channa Spp.</u>)	0.41	9.33	13.54	3.42
Chital/Phali (<u>Notopterus chitala</u> / <u>N. notopterus</u>)	0.17	1.23	1.20	0.47
Koi (<u>Anabas testudineus</u>)	0.37	6.99	7.94	2.38
Singi/Magur (<u>Heteropneustes fossilis</u> / <u>Clarias batrachus</u>)	0.49	6.63	8.84	2.49
Sarpunti (<u>Puntius sarana</u>)	0.00	0.17	1.12	0.15
Punti (<u>Puntius Spp.</u>)	1.07	13.43	15.20	4.81
Others	6.66	38.12	39.74	15.88
TOTAL	100	100	100	100

SOURCE : Based on sample survey.

Table-17

Annual Total Catch of Baors 1988-89

Old District	Area of Baors in Hectare	Catch of Baors in Metric Ton
Faridpur	965	182
Jessore	2,734	802
Khulna	331	62
Khustia	1,458	275
TOTAL	5,488	1,321

- i) Catch rate of Govt. managed 7 Baors @ 398.25 kg/ha.
- ii) Catch rate of Private managed Baors @ 188.61 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 1988-89

Species	Govt. Baor	Private Baor
Major Carp	31.32	36.47
Other Carp		
Exotic Carp	55.82	7.88
Cat Fish	0.41	0.06
Snake Head	1.08	10.55
Live Fish	0.59	4.92
Other Fish	10.63	39.54
Shrimp	0.15	0.58
TOTAL	100	100

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

Table-19

Annual Total Catch of Shrimp Farm 1988-89

Old District	Shrimp Farms in Hectare	Area of Shrimp	Catch in Metric Ton		Total
			Fish		
Chittagong	27,453	2,983	1,905		4,888
Khulna	79,728	15,049	6,938		21,987
Jessore	690	130	60		190
Patuakhali	326	62	28		90
Bansal	22	4	2		6
Noakhali	61	7	4		11
TOTAL	108,280	18,235	8,937		27,172

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

Average yield	:			
Khulna zone	:	Shrimp	- 188.75	kg/ha.
		fish	- 87.02	kg/ha.
Chittagong zone	:	Shrimp	- 108.67	kg/ha.
		Fish	- 69.37	kg/ha.

2. Area of shrimp farm in Chittagong Division : As per survey, 1986. Area of shrimp farm in Khulna Division : As per survey conducted by Upa-zila Fishery Officer's, 1988-89. Catch Assessment Survey.

SOURCE :

Table-20

**Species Composition of Shrimp Catch (% of weight)
from Shrimp Farms of Khulna and Chittagong Region
1988-89**

Species	Khulna Zone	Chittagong Zone
Bagda (<i>P. monodon</i>)	68.06	63.25
Golda (<i>M. rosenbergii</i>)	3.88	0.45
Honna (<i>Metapenaeus monoceros</i>)	7.69	18.98
Chaka (<i>P. indicus</i>)	0.87	8.06
Small Shrimp	19.50	9.26
TOTAL	100	100

SOURCE : Based on sample shrimp farms study.

Table-23

Species Group-wise Catch in Marine Fisheries by Type of Fishing Gear 1988-89

Sector	Species										[Unit : Metric Ton]
	Hilsa	B	ambay Duck	Indian Salmon	Pomfret Fish	Jew Fish	Cat & Rays	Sharks Marine	Other Fish	Shrimp	Total
A: Industrial											
(1) Trawl Fishing	-	-	-	596	195	1,483	883	429	1,874	4,893	10,353
B. Artisanal											
(1) Gill Net Fishing											
a) Mechanised	94,990	-	-	262	1,216	679	8,8319	1,025	12,693	-	119,184
b) Non-mechanised	15,321	-	-	-	277	659	130	181	717	-	17,285
SUB-TOTAL	110,311	-	-	262	1,493	1,338	8,449	1,206	13,410	-	136,469
2) Set Bag-Net Fishing											
a) Seasonal	-	-	9,900	-	450	-	-	-	31500	3150	45,000
b) All Season	-	-	7,562	-	-	331	198	132	3,781	6,900	18,904
SUB-TOTAL	-	-	17,462	-	450	331	198	132	35,281	10,050	63,904
3) Long-Line Fishing											
a) Mechanised	-	-	-	-	-	33,111	1,808	556	83	-	5,556
b) Non-mechanised	-	-	-	-	-	-	-	-	-	-	-
c) other Long Line	-	-	-	-	-	440	708	173	252	-	1,573
SUB-TOTAL	-	-	-	-	-	3,551	2,514	729	335	-	7,129
4) Trammel Net Fishing	-	-	-	-	77	557	646	43	1,570	185	3,078
5) Other Gears Fishing	-	-	2,470	-	1,235	1,358	2,099	-	3,210	1,976	12,348
TOTAL Artisanal	110,311	-	19,932	262	3,255	7,135	13,906	2,110	53,806	12,211	222,928
GRAND T.O.T.A.L	110,311	-	19,932	858	3,450	8,618	14,789	2,539	55,680	17,104	233,281
(Industrial+Artisanal)											
%	47.29	-	8.54	0.37	1.48	3.69	6.34	1.09	23.87	7.33	100
644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1

Table-24

Comparison of Annual Total Catch of 1988-89 with Those of 1987-88

Sector of Fisheries	Annual Total Catch (M.T)		Increase (B)- (A)	Percent Increase
	1987-88 (A)	1988-89 (B)		
A. <u>Inland Fisheries</u>				
(a) <u>Capture</u>				
1. River & Estuaries	183,817	181,140	-2677	-1.5
Except Sundarban Area				
2. Sundarban	8,066	6,416	-1650	20.5
3. Beels	45,610	4,019	1409	3.1
4. Kaptai Lake	4,068	3,439	-629	-15.5
5. Flood Lands	182,037	186,126	4089	2.2
Capture Total	423,598	424,140	542	0.1
b) <u>Culture</u>				
1. Ponds	149,423	155,012	5589	3.7
2. Baors	1,254	1,321	67	5.3
3. Shrimp Farms	25,248	27,172	1924	7.6
Culture Total	175,925	183,505	7580	4.3
Inland Total	599,523	607,645	8122	1.4
B. <u>Marine Fisheries</u>				
(a) Industrial Fisheries (Trawl)	10,395	10,353	-42	-0.4
b) Artisanal Fisheries	217,187	222,928	5741	2.6
Marine Total	227,582	233,281	5699	2.5
COUNTRY TOTAL	827,105	840,926	13821	1.7

