

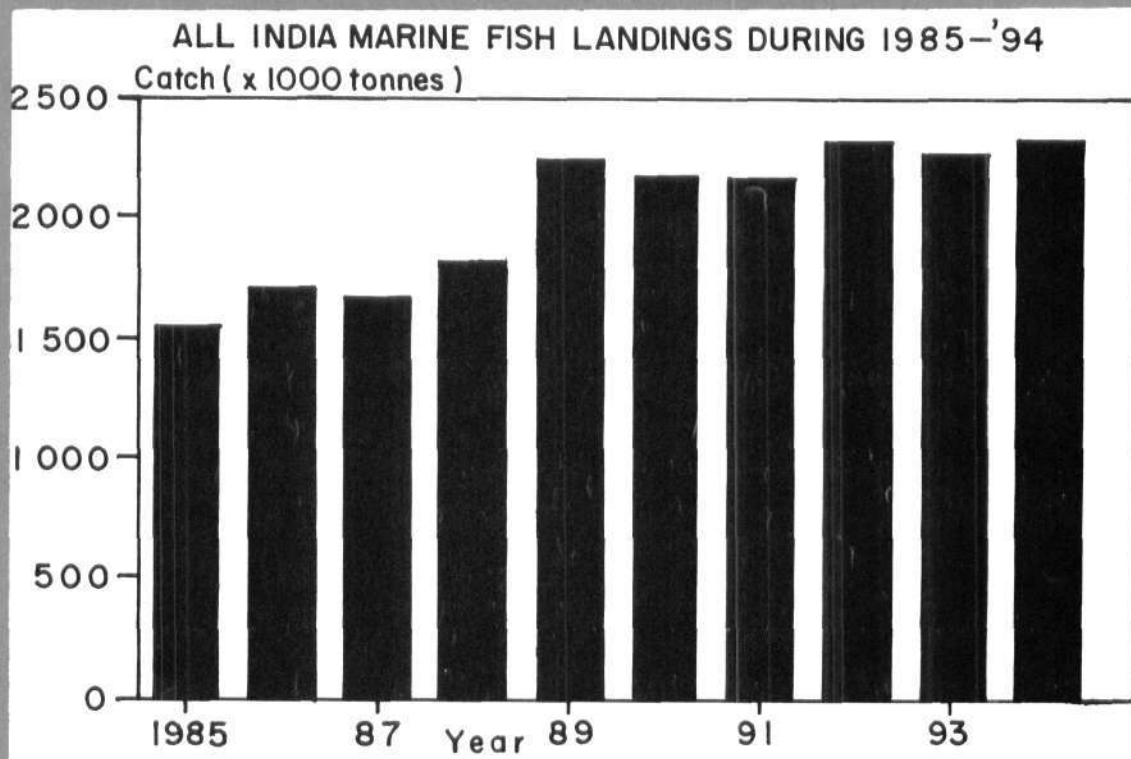


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केन्द्रीय समुद्री मात्स्यकी अनुसंधान संस्थान कोचिन, भारत CENTRAL MARINE FISHERIES RESEARCH INSTITUTE COCHIN, INDIA

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MARINE FISH LANDINGS IN INDIA DURING 1985-93*†

The period 1985-'93 witnessed significant improvement in the fish landings in almost all the maritime states, and the total marine fish landings in India crossed the level of potential yield of about 2.2 million tonnes from the currently fished grounds. Ring seine operations in the south west coast have brought about quantitalised leap in the landings of pelagic stocks, some of which recording all time high landings. Increased operations in mechanised sector, especially trawlers, considerably increased the catches of demersal stocks also.

Among the maritime states, Kerala continues to occupy its premier position (best in the years 1989-'90). The highlight of the period is the emergence of Gujarat as an increasingly major contributor to the total landings, overtaking Maharashtra in respect of total landings since 1991.

Kerala recorded the highest catch of about 6.63 lakh tonnes during 1990 after which the landings declined. There was a gradual decline in the landings of Karnataka from about 2.5 lakh tonnes in 1987 to about 1.42 lakh tonnes in 1993. In the east coast, Tamil Nadu was the major contributor presently occupying third position in the country in respect of contribution to total marine fish landings. In Andhra Pradesh the landings were more or less same except in 1993 and its position occupied the fifth in respect of total landings in India. In West Bengal also there was steady increase in the landings and in the recent years, it has surpassed Orissa in respect of total landings.

The salient features of landings during 1985-'93 are :

1. The marine fish landings attained the peak of about 2.28 million tonnes during 1992; this is the maximum recorded during the last four and half decades.
2. The landings of oil sardine reached the level of about 279,000 tonnes in 1989, which is the maximum in the last 25 years; however, it then declined to about 95,000 tonnes during 1993.
3. The mackerel also attained the record landings of about 290,000 tonnes in 1989, declining later to about 249,000 tonnes during 1993.
4. The landings of lesser sardines fluctuated between about 59,000 tonnes during 1985 and about 93,000 tonnes during 1987; the landings during 1991-'93 being more or less same.
5. Bombayduck landings reached a peak of about 136,000 tonnes in 1991, the highest so far recorded being about 138,000 tonnes during 1981.
6. The landings of ribbon fishes also reached a peak of about 115,000 tonnes.
7. The landings of pomfret fluctuated between 30,000 tonnes in 1986 and about 41,000 tonnes in 1988.
8. The highest level of seer fish landings (about 42,000 tonnes) was observed during 1992 but there is no significant fluctuation in the landings during the past decade.
9. The penaeid prawn landings showed a steady increase and reached a peak of about 190,000 tonnes in 1991 but declining to 173,000 tonnes in 1993.
10. Non-penaeid prawns yielded lowest catch of 29,000 tonnes during 1987 which is the lowest in the past 3 decades; the landings improved later and gradually rose to the highest ever level of about 101,000 tonnes which was recorded during 1991.
11. The landings of cephalopods showed almost a three fold increase from about 32,000 tonnes in 1985 to about 97,000 tonnes during 1993; this being the highest figure for cephalopods during the past four and half decades.
12. The catfish recorded the lowest landings of about 36,000 tonnes in 1992 from where there has been a gradual decline in its landings from 1988 onwards.
13. The landings of perches showed a steady increase during the period reaching the highest level of about 147,000 tonnes during 1993.
14. The croakers also exhibited increasing trend reaching a maximum of about 167,000 tonnes during 1992.
15. The landings of silverbellies showed a declining trend from about 71,000 tonnes in 1986 to about 61,000 tonnes in 1993.

* Excluding 1) Andamans & Lakshadweep 2) Off-store landings.

† Prepared by staff members of Fishery Resources Assessment Division, Central Marine Fisheries Research Institute, Cochin - 682 014.

TABLE 1. *Marine fish landings in different maritime states of India during 1985-93*

Year	Maritime states									
	WB	OR	AP	TN	PON	KL	KAR	GO	MH	GUJ
1985	23541	46840	118541	200551	16480	325536	1186654	48850	335809	287715
1986	16114	56918	152153	242041	14261	382791	189231	54401	315218	256245
1987	22741	58494	139160	303633	13456	303286	220575	65677	285208	236935
1988	12017	46310	123560	295664	13004	468808	212411	91168	315244	207363
1989	36778	47034	123128	281300	12360	647526	251012	111866	362330	327264
1990	49820	64736	118232	303275	15520	662890	178334	66505	345724	337677
1991	67269	44524	121150	357497	10477	564161	156654	75623	384162	440594
1992	78781	47622	149882	371108	13295	560742	168810	96333	327695	462735
1993	91969	62281	167939	337552	10196	574739	142369	121998	333003	403078

WB : West Bengal, OR : Orissa, AP : Andhra Pradesh, TN : Tamil Nadu, PON : Pondichery, KL : Kerala, KAR : Karnataka, GO : Goa, MH : Maharashtra, GUJ : Gujarat.

TABLE 2. *Estimated marine fish landings (in tonnes) in India during 1985-93*

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
1	2	3	4	5	6	7	8	9	10
ELASMOBRANCHS									
Sharks	33099	32984	30234	36306	28241	24287	31854	45263	46141
Skates	3480	3373	4106	2460	2191	1611	1178	1904	1488
Rays	15575	15541	22245	18081	19547	23922	17388	15965	18794
EELS	8302	7887	6206	4309	4888	5090	6873	6121	6725
CATFISHES	44277	52750	42696	64055	49294	37605	38999	36156	42736
CLUPEIDS									
Wolf herring	17650	14609	16161	12899	15065	13003	15691	17278	17197
Oil sardine	120575	77879	100429	130832	278869	260995	176888	104062	95385
Other sardines	59427	68267	93242	75585	80738	74933	83804	90786	85473
Hilsa shad	9051	4091	4418	2006	14556	14243	27728	22378	30215
Other shads	11824	15370	17502	11264	7510	6484	13458	10685	9205
Anchovies	13	9	1468	0	36	110	90	904	42
Coilia	26021	26674	19048	21176	30064	36199	43067	29369	30164
Setipinna	1547	4116	2692	1491	1557	1596	2411	2748	2359
Stolephorus	54367	68473	50847	100048	69384	57041	83886	79590	70741
Thrissina	0	0	60	0	595	0	3	0	5
Thryssa	27710	26958	30506	36240	22306	22422	33918	45678	32612
Other clupeids	34280	37122	38142	42438	52334	46313	51610	60158	43133
BOMBAYDUCK	112453	92216	73695	67392	120193	131095	136442	122280	97727
LIZARD FISHES	13930	14721	16649	25809	20923	24840	27573	28939	25607
HALF BEAKS & FULL BEAKS	1977	1754	1785	3481	2107	2126	2166	2012	1914
FLYING FISHES	1235	1589	1205	3975	13144	921	5599	4897	1622
PERCHES									
Rock cods	3251	2611	4687	5104	5552	4718	6203	8584	10889
Snappers	4049	2605	3709	4136	3708	2746	2228	2763	3086
Pig-face breams	2275	2683	3006	3107	1943	3855	5134	4426	6976
Threadfin breams	38571	60178	46953	53225	67675	82644	63019	67819	86926
Other perches	22451	24322	31144	25714	22713	25242	25197	29921	38823

1	2	3	4	5	6	7	8	9	10
GOATFISHES	5346	7206	10920	28526	21784	21628	33271	17215	13833
THREADFINS	9094	7077	8516	4683	7709	7173	7781	8584	5680
CROAKERS	100980	106100	108380	100132	101100	121984	145345	167491	157698
RIBBON FISHES	84341	95872	81729	68496	65150	74362	95321	114729	91314
CARANGIDS									
Horse mackerel	3447	9860	7293	20768	12454	22120	19203	19545	16074
Scads	7861	50957	16496	39473	58975	67959	102001	117810	59505
Leather-jackets	8665	3809	5576	4991	3482	3225	4263	5337	4151
Other carangids	34023	69758	49920	59098	58556	47537	42150	45532	48055
SILVERBELLIES	52308	70608	66128	63351	48605	52955	51212	50462	60961
BIG-JAWED JUMPER	25354	15807	12619	12122	6685	8632	9794	6575	4189
POMFRETS									
Black pomfret	10166	10590	14186	15184	13008	13133	14411	10425	12671
Silver pomfret	22660	19765	21943	27611	29301	25355	27987	23225	28155
Chinese pomfret	99	315	268	194	449	404	119	245	941
MACKERELS									
Indian mackerel	61230	81543	78405	103620	290159	183573	112852	133078	249186
Other mackerels	0	0	182	0	0	23	17	1	5
SEER FISHES									
<i>S. commersoni</i>	16414	23347	18053	20650	21590	15921	16881	24025	20251
<i>S. guttatus</i>	17244	9654	12549	15197	18152	13175	19659	17078	20814
<i>S. lineolatus</i>	40	155	70	533	71	4	46	1027	77
<i>Acanthocybium</i> spp.	1	1	0	0	249	1	451	10	1
TUNNIES									
<i>E. affinis</i>	16582	18145	13850	15233	26324	32765	17565	23400	16256
<i>Axaxis</i> spp.	3076	8455	4456	5992	7462	6986	5407	7896	3365
<i>K. pelamis</i>	85	186	288	170	780	179	133	448	7075
<i>T. tonggol</i>	1086	109	478	1291	901	880	3656	2384	3556
Other tunnies	6434	2018	4472	1773	3490	5058	3295	1955	6515
BILL FISHES	877	976	734	747	987	1018	761	1357	1663
BARRACUDAS	3116	4204	5239	7175	8435	10574	12822	11848	10672
MULLETS	5088	3251	5095	7512	8620	3813	6221	4519	3995
UNICRON COD	734	587	939	871	557	253	1492	1188	929
FLAT FISHES									
Halibut	1828	1205	1793	1714	1691	2886	2527	2008	1802
Flounders	115	151	518	32	142	536	639	933	182
Soles	27669	27364	27682	24951	31552	26465	34105	60403	44678
CRUSTACEANS									
Penaeid prawns	121673	138628	158828	152744	146455	164534	190202	189819	173204
Non-penaeid prawns	67082	71822	30551	49372	76322	79773	100611	91293	69221
Lobsters	4075	3074	2530	1587	1590	1834	2254	2095	1671
Crabs	22232	20755	23098	17422	16149	23970	28240	26849	26938
Stomatopods	31191	48109	99964	68980	69276	65471	62677	72694	86499
CEPHALOPODS	31577	42590	31875	38526	54487	56287	65337	90276	96889
Others	51334	46538	60707	53695	60766	76226	78996	82563	90468
TOTAL	1522517	1679373	1649165	1785549	2208598	2142713	2222111	2277008	2245124

TABLE 3. Marine fish landings (in tonnes) in West Bengal during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
1	2	3	4	5	6	7	8	9	10
ELASMOBRANCHS									
Sharks	97	140	136	44	40	267	939	1692	1828
Skates	139	3	21	31	27	16	2	2	48
Rays	228	123	429	237	657	507	706	423	638
EELS	4	79	6	12	5	5	1	6	173
CATFISHES	1504	1704	2730	917	4468	3092	4597	5403	4649
CLUPEIDS									
Wolf herring	287	330	200	73	1268	1065	1196	1023	1068
Oil sardine	1	-	-	-	-	8	-	4	-
Other sardines	43	134	4	4	73	3	398	55	235
Hilsa shad	7201	1969	1633	752	12342	12129	23354	19852	26407
Other shads	49	119	190	64	478	146	5	-	6
Anchovies	-	-	-	-	-	-	-	-	-
<i>Coilia</i>	490	853	813	866	579	1353	2164	4349	4210
<i>Setipinna</i>	463	2015	1099	587	732	574	1553	1799	1141
<i>Stolephorus</i>	128	21	6	12	362	971	317	212	116
<i>Thrissina</i>	-	-	-	-	-	-	-	-	-
<i>Thryssa</i>	297	58	63	227	587	498	453	928	2357
Other clupeids	622	245	957	386	1281	2031	1572	2227	1894
BOMBAYDUCK	1130	729	992	590	3986	12470	9609	19966	20398
LIZARD FISHES	-	-	-	-	-	-	-	1	-
HALF BEAKS & FULL BEAKS	-	-	-	-	-	-	1	2	2
FLYING FISHES	-	-	-	-	-	-	-	-	-
PERCHES									
Rock cods	-	-	-	-	-	-	-	1	74
Snappers	-	-	-	-	-	-	-	-	-
Pig-face breams	-	-	-	-	-	-	-	-	-
Threadfin breams	-	-	-	-	-	-	-	-	-
Other perches	42	78	60	125	171	34	134	236	93
GOATFISHES	-	-	-	-	-	-	-	-	201
THREADFINS	3	29	22	19	728	302	751	1232	485
CROAKERS	869	993	5765	2044	332	1730	4504	2740	4738
RIBBON FISHES	4409	2216	3751	1856	797	1072	1703	2672	4132
CARANGIDS									
Horse mackerel	-	-	-	-	-	17	114	3	393
Scads	-	-	-	-	-	-	-	-	-
Leather-jackets	22	16	52	77	82	70	281	423	198
Other carangids	2	6	12	7	121	13	36	53	94
SILVERBELLIES	399	179	81	20	61	152	386	165	200
BIG-JAWED JUMPER	-	-	-	-	-	-	-	-	-
POMFRETS									
Black pomfret	304	55	110	169	383	919	868	763	690
Silver pomfret	940	1843	1636	438	2260	2116	1985	2018	2638
Chinese pomfret	10	14	-	-	221	67	25	47	79
MACKERELS									
Indian mackerel	7	-	1	-	-	-	1	-	54
Other mackerels	-	-	-	-	-	-	-	-	-
SEER FISHES									
<i>S. commersoni</i>	37	39	13	25	9	8	16	112	86

1	2	3	4	5	6	7	8	9	10
<i>S. guttatus</i>	89	144	143	157	1023	1004	1763	1006	634
<i>S. lineolatus</i>	-	-	-	-	-	1	-	-	-
<i>Acanthocybitum</i> spp.	-	-	-	-	-	-	-	-	-
TUNNIES									
<i>E. affinis</i>	-	-	-	-	-	-	142	40	15
<i>Auxis</i> spp.	-	-	-	-	-	-	-	-	-
<i>K. pelamis</i>	-	-	-	-	-	-	-	-	-
<i>T. tonggol</i>	-	-	-	-	4	-	-	-	-
Other tunnies	-	-	-	-	-	-	-	-	-
BILL FISHES									
BARRACUDAS	-	-	-	-	-	-	-	3	-
MULLETS	34	1	2	1	126	210	1962	462	538
UNICRON COD	-	-	-	-	-	-	-	-	-
FLAT FISHES									
Halibut	-	-	-	-	-	-	-	-	-
Flounders	-	-	-	-	-	-	-	-	-
Soles	57	91	206	24	6	2	12	9	76
CRUSTACEANS									
Penaeid prawns	246	412	299	220	529	2556	1223	2677	2754
Non-penaeid prawns	2860	1103	681	1718	1183	1665	1382	1842	2559
Lobsters	-	-	-	-	-	-	-	-	-
Crabs	210	93	130	66	26	24	125	27	139
Stomatopods	5	6	53	2	-	13	107	27	92
CEPHALOPODS									
Others	7	7	28	7	39	81	64	122	268
TOTAL	23541	16114	22741	12017	36778	49820	67269	78786	91969

TABLE 4. Marine fish landings (in tonnes) in Orissa during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
ELASMOBRANCHS									
Sharks	1376	3077	1161	1374	1492	1603	1112	2986	1302
Skates	55	38	351	67	35	17	20	13	25
Rays	503	548	966	651	300	273	296	461	931
EELS	511	511	207	438	695	873	978	544	840
CATFISHES	5351	4271	4343	4948	4782	4101	3610	4162	7002
CLUPEIDS									
Wolf herring	481	866	1170	745	1423	1335	960	1066	1069
Oil sardine	96	10	1	56	136	12	4	38	124
Other sardines	3905	3546	7536	2984	2985	5154	1497	959	1802
Hilsa shad	581	491	632	143	831	1327	2254	578	1911
Other shads	68	136	364	272	118	209	49	289	180
Anchovies	-	-	-	-	-	-	-	-	-
<i>Coilia</i>	881	2143	391	308	180	216	344	470	345
<i>Setipinna</i>	960	1951	1079	571	342	200	330	601	562
<i>Stolephorus</i>	786	1264	420	96	72	167	757	1787	602
<i>Thrissina</i>	-	-	-	-	-	-	-	-	-
<i>Thryssa</i>	185	83	194	144	230	179	284	75	203
Other clupeids	3184	7051	1879	2323	2363	3712	1459	1983	2676
BOMBAYDUCK	224	119	529	241	136	186	537	773	465
LIZARD FISHES	233	199	329	270	321	76	129	158	396
HALF BEAKS & FULL BEAKS	-	9	2	1	17	-	1	2	3
FLYING FISHES	1	-	1	1	94	-	-	5	2

1	2	3	4	5	6	7	8	9	10
PERCHES									
Rock cods	17	3	22	4	5	17	-	-	1
Snappers	22	212	43	-	8	1	6	12	22
Pig-face breams	4	-	-	-	-	-	-	2	6
Threadfin breams	339	489	343	546	282	232	255	114	175
Other perches	551	946	2314	1895	1181	2002	1192	960	1395
GOATFISHES									
GOATFISHES	424	257	202	277	157	83	84	69	173
THREADFINS									
THREADFINS	84	132	167	101	67	177	115	285	147
CROAKERS									
CROAKERS	15177	14808	17215	16961	10071	19555	11236	11704	18888
RIBBON FISHES									
RIBBON FISHES	1886	1328	2226	2213	3400	4325	2773	2291	2271
CARANGIDS									
Horse mackerel	243	178	183	153	689	727	341	471	655
Scads	66	296	54	22	53	21	213	157	68
Leather-jackets	79	29	155	48	155	426	169	217	164
Other carangids	269	395	221	293	620	458	561	645	635
SILVERBELLIES									
SILVERBELLIES	708	211	428	469	235	195	750	401	499
BIG-JAWED JUMPER									
BIG-JAWED JUMPER	20	10	26	119	37	176	45	122	129
POMFRETS									
Black pomfret	193	709	1124	137	943	1015	1376	1337	1667
Silver pomfret	1554	2612	2466	1913	3614	3608	2555	2533	4579
Chinese pomfret	-	12	1	-	61	172	35	41	37
MACKERELS									
Indian mackerel	582	1024	2045	280	175	69	566	783	981
Other mackerels	-	-	-	-	-	-	-	-	-
SEER FISHES									
<i>S. commersoni</i>	224	254	936	607	1660	878	1267	1901	723
<i>S. guttatus</i>	427	869	1112	716	826	1082	1111	804	1878
<i>S. lineolatus</i>	-	-	-	-	-	-	-	-	-
<i>Acanthocybium</i> spp.	-	-	-	-	-	-	-	-	-
TUNNIES									
<i>E. affinis</i>	55	331	251	-	27	52	71	48	64
<i>Auxis</i> spp.	5	7	1	-	-	-	-	-	-
<i>K. pelamis</i>	5	1	-	-	-	-	-	-	-
<i>T. tonggol</i>	-	1	2	-	-	-	-	-	-
Other tunnies	-	36	2	33	44	1	6	64	-
BILL FISHES									
BILL FISHES	-	1	7	1	-	1	-	69	-
BARRACUDAS									
BARRACUDAS	39	93	337	8	4	70	36	28	24
MULLETS									
MULLETS	2	28	16	-	-	-	3	-	26
UNICRON COD									
UNICRON COD	-	-	-	-	-	-	-	-	-
FLAT FISHES									
Halibut	-	-	-	-	-	-	-	-	-
Flounders	-	-	-	-	-	-	-	-	-
Soles	683	721	590	338	164	123	263	304	526
CRUSTACEANS									
Penaeid prawns	2597	2883	2164	1794	2451	3621	1972	2738	2986
Non-penaeid prawns	274	217	136	145	11	32	358	340	380
Lobsters	2	7	-	-	1	-	-	-	-
Crabs	127	180	368	230	398	148	199	548	712
Stomatopods	173	456	1089	1145	502	105	743	1008	1210
CEPHALOPODS									
CEPHALOPODS	92	121	97	37	81	13	45	60	62
Others	536	748	596	192	2560	5711	1557	616	758
TOTAL	46840	56918	58494	46310	47034	64736	44524	47622	62281

TABLE 5. Marine fish landings (in tonnes) in Andhra Pradesh during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
1	2	3	4	5	6	7	8	9	10
ELASMOBRANCHS									
Sharks	6230	5333	4162	4851	4026	3679	2411	5624	5239
Skates	256	685	658	471	300	272	440	652	263
Rays	1585	1522	1641	1750	3826	3571	1786	1901	1783
EELS	576	424	547	788	542	652	814	1285	1227
CATFISHES	5208	3605	3370	2775	2708	2205	1904	2503	3273
CLUPEIDS									
Wolf herring	1614	1278	1328	1480	952	1449	1246	1038	1219
Oil sardine	263	1238	146	1305	5765	975	1806	4359	2216
Other sardines	22809	16723	12348	17258	28371	21894	8738	8843	12180
Hilsa shad	174	236	837	98	89	78	255	336	1090
Other shads	2480	5986	6196	4937	1866	733	8118	3927	2887
Anchovies	-	-	-	-	-	-	-	-	-
<i>Coilia</i>	45	138	100	157	117	181	134	116	585
<i>Setipinna</i>	45	93	96	287	231	219	95	157	187
<i>Stolephorus</i>	2612	10572	12845	8250	2942	9498	10380	6056	5779
<i>Thrissina</i>	-	-	-	-	-	-	-	-	-
<i>Thryssa</i>	4062	5262	3276	3390	3416	2751	3334	5109	5553
Other clupeids	8191	5884	4556	4129	4536	4269	5637	6050	8482
BOMBAYDUCK	579	1065	717	694	1110	1469	1240	599	766
LIZARD FISHES	1251	1778	1605	1314	808	1091	539	736	1201
HALF BEAKS & FULL BEAKS	38	55	91	131	62	158	30	63	42
FLYING FISHES	78	18	14	23	507	1	-	9	15
PERCHES									
Rock cods	21	39	52	27	62	193	68	60	337
Snappers	1713	579	644	870	813	353	372	888	733
Pig-face breams	-	-	-	-	-	-	-	-	5
Threadfin breams	1417	2071	2389	1134	1096	1078	1382	2193	2066
Other perches	4891	4271	6277	3516	2398	2020	2604	3030	3957
GOATFISHES	1373	2443	4077	2712	2070	2407	3277	1753	1656
THREADFINS	1839	1070	1209	1182	1318	1630	1050	1324	1435
CROAKERS	6739	8982	8859	6777	5793	9020	7580	8780	9694
RIBBON FISHES	4476	5454	7561	3567	4856	4122	11885	7286	7509
CARANGIDS									
Horse mackerel	527	448	1211	518	346	305	1036	984	1082
Scads	1099	1826	1878	622	1592	2005	603	2881	2638
Leather-jackets	811	361	289	714	362	141	183	409	377
Other carangids	2040	3570	3391	3436	2285	2945	1794	2143	3071
SILVERBELLIES	5340	5392	8904	3505	2758	3556	2612	4682	6231
BIG-JAWED JUMPER	499	478	1203	513	185	375	510	463	364
POMFRETS									
Black pomfret	1477	722	823	512	1842	1765	987	1193	1806
Silver pomfret	1377	1172	1237	2650	1628	2361	2058	2258	3173
Chinese pomfret	6	4	25	9	-	15	-	-	5
MACKERELS									
Indian mackerel	3633	23841	14326	13425	6591	3869	5229	26506	25688
Other mackerels	-	-	-	-	-	-	-	-	-
SEER FISHES									
<i>S. commersoni</i>	2289	2232	1246	2719	2989	1682	1235	1536	2277
<i>S. guttatus</i>	2326	2526	2908	2863	2830	2243	2884	5182	4671

1	2	3	4	5	6	7	8	9	10
<i>S. lineolatus</i>	14	113	17	10	3	1	7	1013	5
<i>Acanthocybium</i> spp.	-	-	-	-	-	-	-	-	-
TUNNIES									
<i>E. affinis</i>	1403	728	1249	1296	1141	1014	758	420	933
<i>Auxis</i> spp.	24	16	-	-	6	1	4	3	7
<i>K. pelamis</i>	-	31	-	2	2	-	4	18	2
<i>T. tonggol</i>	-	-	-	-	-	-	-	-	-
Other tunnies	349	248	73	81	10	-	9	36	282
BILL FISHES	198	298	21	36	134	-	3	199	504
BARRACUDAS	429	321	503	397	455	788	336	474	406
MULLETS	342	51	331	1648	405	417	197	974	748
UNICRON COD	-	-	-	-	-	-	-	-	-
FLAT FISHES									
Halibut	73	127	208	140	101	90	120	183	255
Flounders	90	113	50	18	9	42	61	81	63
Soles	621	812	580	500	555	504	928	1200	1314
CRUSTACEANS									
Penaeid prawns	7680	11609	6765	7739	7598	8743	10759	10797	16200
Non-penaeid prawns	1161	2439	956	1390	1462	1807	1912	1465	1198
Lobsters	9	8	4	1	1	4	10	9	3
Crabs	1587	3220	2312	2116	2395	2063	3447	3768	3963
Stomatopods	399	349	406	394	1961	1786	3124	1884	2716
CEPHALOPODS									
Others	551	697	797	542	489	988	446	667	1380
Others	1622	1597	1846	1891	2413	2754	2769	3777	5198
TOTAL	118541	152153	139160	123560	123128	118232	121150	149882	167939

TABLE 6. Marine fish landings (in tonnes) in Tamil Nadu during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
ELASMOBRANCHS									
Sharks	1654	3545	5047	4295	4799	901	2673	7463	5568
Skates	174	63	902	106	56	49	128	442	95
Rays	6779	6747	13617	10142	7732	6915	8734	7769	10397
EELS	151	148	223	100	155	118	243	283	263
CATFISHES	2055	1676	2324	2096	1917	1521	2406	2294	2460
CLUPEIDS									
Wolf herring	2019	3076	3544	3641	3706	2410	2952	3698	3446
Oil sardine	2896	6105	876	2066	12726	31689	30920	30950	36074
Other sardines	20945	30241	46366	33867	26151	19611	31349	34278	34323
Hilsa shad	251	308	272	206	22	20	13	30	169
Other shads	2349	2094	4351	2187	930	1163	818	1713	1985
Anchovies	-	-	-	-	6	-	-	-	41
<i>Coilia</i>	382	597	1907	2274	2553	2990	2689	671	878
<i>Setipinna</i>	37	27	342	37	252	600	405	191	469
<i>Stolephorus</i>	8233	13739	12673	26504	12209	9000	15467	17733	7032
<i>Thryssa</i>	-	-	-	-	589	-	2	-	1
<i>Thryssa</i>	6738	5396	10279	4698	5266	4494	7986	4924	6329
Other clupeids	5029	4157	10571	11277	12850	13088	12344	10536	7020
BOMBAYDUCK	-	-	-	14	193	46	6	38	45
LIZARD FISHES	1963	1833	4108	3192	3732	5188	7432	7446	5256
HALF BEAKS & FULL BEAKS	711	670	616	1648	953	1100	1004	1264	1021
FLYING FISHES	605	1263	989	3064	11478	786	5069	3272	1417

1	2	3	4	5	6	7	8	9	10
PERCHES									
Rock cods	1785	1335	1510	1534	970	988	3124	2384	2927
Snappers	936	483	1379	948	572	581	778	924	1198
Pig-face breams	1951	2332	1903	2593	1688	3545	4861	3944	6519
Threadfin breams	2783	4003	6775	5056	7805	11290	10327	8351	8653
Other perches	4645	4878	6896	6673	6791	5700	6162	8743	9648
GOATFISHES									
THREADFINS	2171	2174	3795	11228	8927	9897	9783	5970	6775
CROAKERS	397	465	706	440	607	869	705	541	307
RIBBON FISHES	7840	7174	11689	11717	12321	12347	13333	11925	11174
CARANGIDS									
Horse mackerel	99	83	11	-	618	36	156	19	1
Scads	238	558	2624	1872	3284	7890	2579	2659	2548
Leather-jackets	2797	591	1375	1696	683	690	1298	1548	1081
Other carangids	10193	7328	9028	12998	12613	14546	13824	13350	11211
SILVERBELLIES									
BIG-JAWED JUMPER	37407	44515	46276	46888	35402	37913	35709	35117	44227
	611	470	329	714	234	633	201	372	175
POMFRETS									
Black pomfret	185	577	178	126	254	395	339	130	386
Silver pomfret	151	259	1161	1219	1199	924	1405	998	1300
Chinese pomfret	2	96	101	111	6	4	2	2	7
MACKERELS									
Indian mackerel	6080	10259	13292	8958	9629	6955	15060	31313	12547
Other mackerels	-	-	-	-	-	23	14	1	-
SEER FISHES									
<i>S. commersoni</i>	2524	2703	2904	3510	3148	2912	3530	5010	3883
<i>S. guttatus</i>	763	334	416	458	394	223	305	278	303
<i>S. lineolatus</i>	22	41	53	514	68	2	39	14	45
<i>Acanthocybium</i> spp.	-	-	-	-	-	-	3	2	-
TUNNIES									
<i>E. affinis</i>	783	1275	3073	2612	2145	2308	3195	2905	1597
<i>Auxis</i> spp.	47	481	208	328	849	331	587	555	136
<i>K. pelamis</i>	13	-	-	46	1	54	8	302	6954
<i>T. tonggol</i>	-	-	50	274	16	-	4	74	60
Other tunnies	493	515	195	1	599	829	492	279	84
BILL FISHES									
BARRACUDAS	261	154	103	225	70	79	105	206	189
MULLET	1309	2125	3131	3595	4253	4694	5660	5121	5438
UNICRON COD	429	232	571	412	324	304	891	592	478
	-	129	-	-	-	-	3	-	2
FLAT FISHES									
Halibut	296	175	346	371	411	1104	856	310	432
Flounders	21	14	9	4	7	58	61	52	27
Soles	1219	1337	1501	1905	2371	2334	2621	2164	1882
CRUSTACEANS									
Penaeid prawns	11304	15640	18185	16461	16886	19107	18523	20286	19833
Non-penaeid prawns	165	202	34	432	52	68	638	174	191
Lobsters	442	324	536	132	164	365	365	502	411
Crabs	6575	5875	7801	7039	5842	6830	10016	8851	10742
Stomatopods	287	476	676	1003	336	145	137	231	229
CEPHALOPODS									
Others	4441	3905	4050	4208	5535	7434	9018	16004	8757
	18023	16437	22052	23086	23234	34102	34852	29549	27342
TOTAL	200551	242041	303633	295664	281300	303275	357497	371108	337552

TABLE 7. Marine fish landings (in tonnes) in Pondichery during 1985-93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
1	2	3	4	5	6	7	8	9	10
ELASMOBRANCHS									
Sharks	191	12	50	159	39	13	13	47	37
Skates	13	-	15	-	-	-	8	-	-
Rays	225	150	179	143	127	217	102	178	99
EELS									
	-	3	5	13	-	-	-	1	-
CATFISHES									
	39	1043	31	33	-	4	9	42	33
CLUPEIDS									
Wolf herring	56	109	117	106	25	58	35	39	39
Oil sardine	1374	1817	735	191	2840	6062	1343	2925	1214
Other sardines	3179	1112	2286	1518	1243	794	1110	2273	908
Hilsa shad	-	-	-	9	3	-	-	-	-
Other shads	95	25	2	3	2	2	2	5	8
Anchovies	-	-	-	-	-	-	-	-	-
Coilia	23	19	6	-	25	4	-	-	1
Setipinna	39	5	46	9	-	-	-	-	-
Stolephorus	434	764	286	318	116	183	65	158	100
Thrissina	-	-	-	-	-	-	-	-	-
Thryssa	651	418	630	259	305	378	664	397	276
Other clupeids	765	577	667	600	527	485	701	390	121
BOMBAYDUCK									
	-	-	-	-	-	-	-	-	-
LIZARD FISHES									
	164	249	246	59	98	129	129	159	102
HALF BEAKS & FULL BEAKS									
	1	-	-	3	3	-	26	2	6
FLYING FISHES									
	538	241	197	883	1058	122	454	217	76
PERCHES									
Rock cods	3	6	9	2	-	3	-	22	10
Snappers	14	17	-	64	28	14	10	1	3
Pig-face breams	35	11	3	41	14	4	-	26	5
Threadfin breams	806	561	76	401	225	225	212	218	106
Other perches	570	300	669	232	156	310	182	111	165
GOATFISHES									
	145	78	121	149	348	349	206	80	66
THREADFINS									
	22	35	32	17	25	25	22	12	24
CROAKERS									
	463	449	473	414	206	151	142	146	104
RIBBON FISHES									
	38	123	110	2087	91	28	36	95	102
CARANGIDS									
Horse mackerel	-	6	5	-	1	-	18	2	-
Scads	309	110	159	20	85	94	3	2	7
Leather-jackets	19	30	30	17	13	-	5	5	1
Other carangids	791	429	472	906	577	636	394	324	242
SILVERBELLIES									
	1359	1095	871	329	489	418	406	561	461
BIG-JAWED JUMPER									
	4	67	48	-	-	-	-	-	-
POMFRETS									
Black pomfret	31	1	22	30	10	27	12	11	6
Silver pomfret	1	34	25	15	32	10	98	2	8
Chinese pomfret	-	-	3	-	-	-	-	-	-
MACKERELS									
Indian mackerel	1249	1502	2203	582	1155	1121	866	1780	3692
Other mackerels	-	-	-	-	-	-	-	-	-
SEER FISHES									
<i>S. commersoni</i>	118	106	144	75	81	61	81	115	66
<i>S. guttatus</i>	16	6	-	1	1	-	9	2	2

1	2	3	4	5	6	7	8	9	10
<i>S. lineolatus</i>	-	-	-	-	-	-	-	-	-
<i>Acanthocybium</i> spp.	-	-	-	-	-	-	-	-	-
TUNNIES									
<i>E. affinis</i>	9	55	5	89	8	24	230	125	11
<i>Auxis</i> spp.	-	-	-	-	-	-	-	-	-
<i>K. pelamis</i>	23	12	67	58	99	-	15	98	117
<i>T. tonggol</i>	-	-	-	-	37	-	23	-	-
Other tunnies	15	59	-	16	-	-	39	55	-
BILL FISHES	33	87	5	27	14	22	14	52	29
BARRACUDAS	79	19	42	285	54	162	46	79	117
MULLETS	7	38	47	8	1	32	8	10	5
UNICRON COD	-	44	46	-	-	-	-	-	-
FLAT FISHES									
Halibut	32	31	13	12	2	11	38	17	22
Flounders	-	-	-	-	-	-	-	-	-
Soles	208	245	202	128	134	165	266	157	90
CRUSTACEANS									
Penaeid prawns	754	547	508	389	442	915	654	400	146
Non-penaeid prawns	8	55	-	10	19	13	-	-	25
Lobsters	12	18	16	19	9	11	20	3	4
Crabs	430	326	205	377	86	310	413	282	296
Stomatopods	-	1	97	1	8	-	3	1	-
CEPHALOPODS	43	43	67	28	112	101	206	193	33
Others	1047	1171	1163	1869	1387	1827	1139	1475	1211
TOTAL	16480	14261	13456	13004	12360	15520	10477	13295	10196

TABLE 8. Marine fish landings (in tonnes) in Kerala during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
ELASMOBRANCHS									
Sharks	4940	4649	3114	5151	1907	2881	1883	2437	3091
Skates	12	17	7	35	151	17	69	62	38
Rays	1020	1368	1352	1575	2622	4070	1489	824	1303
EELS	3	4	13	15	1	31	14	12	47
CATFISHES	5170	8594	4660	9960	4097	2739	1744	1029	597
CLUPEIDS									
Wolf herring	617	707	803	736	1388	724	706	957	1685
Oil sardine	79225	40613	44717	60508	184879	179276	106263	54118	49675
Other sardines	2473	8934	8697	12701	13752	12900	23730	16967	22819
Hilsa shad	20	15	8	16	53	320	-	76	85
Other shads	32	2	2	32	-	8	95	470	249
Anchovies	-	-	-	-	-	20	-	-	-
<i>Coilia</i>	-	-	-	13	-	1	-	-	-
<i>Setipinna</i>	-	-	-	-	-	-	-	-	-
<i>Stolephorus</i>	36227	27158	16599	45994	45127	26859	45273	48217	49477
<i>Thrissina</i>	-	-	-	-	-	-	-	-	4
<i>Thryssa</i>	1205	3134	3336	5779	2817	2359	3629	7676	5186
Other clupeids	4277	6910	8687	8088	10957	8252	15655	25534	13022
BOMBAYDUCK	-	-	-	-	-	-	-	-	-
LIZARD FISHES	6300	6351	5212	13415	7940	11469	11398	14126	13833
HALF BEAKS & FULL BEAKS	664	558	748	1269	636	631	810	407	398
FLYING FISHES	-	-	3	3	-	-	72	1392	10

1	2	3	4	5	6	7	8	9	10
PERCHES									
Rock cods	481	335	946	898	1258	998	724	3027	3655
Snappers	137	128	400	881	1039	1157	185	122	303
Pig-face breams	202	288	74	410	193	227	230	88	135
Threadfin breams	24150	38339	23307	25011	42728	54119	32378	36792	55078
Other perches	5679	6914	5406	5104	3768	10855	7605	10130	15642
GOATFISHES									
	100	213	684	9836	6017	6919	18824	7583	2489
THREADFINS									
	156	27	37	101	426	2	658	32	109
CROAKERS									
	8624	12768	8161	8470	11402	10868	8816	15603	14657
RIBBON FISHES									
	25142	11880	15295	8952	7179	9751	2167	6162	7290
CARANGIDS									
Horse mackerel	88	1455	1264	4455	666	10928	3289	1745	5027
Scads	4231	35395	6946	19397	36611	40780	64393	70183	45950
Leather-jackets	259	388	471	258	147	727	131	203	587
Other carangids	8261	34346	14091	22959	12795	16633	10913	12991	20725
SILVERBELLIES									
	3417	6007	6027	6493	5354	6195	5643	4480	6458
BIG-JAWED JUMPER									
	1041	1438	618	821	1320	2340	623	675	907
POMFRETS									
Black pomfret	696	1343	1722	818	889	1553	1040	1148	748
Silver pomfret	182	478	398	753	831	1010	202	1371	1365
Chinese pomfret	12	37	3	34	19	35	1	82	541
MACKERELS									
Indian mackerel	18101	21876	10063	43938	85272	78335	53978	37909	59171
Other mackerels	-	-	-	-	-	-	2	-	1
SEER FISHES									
<i>S. commersoni</i>	4490	4229	4516	8126	7237	4791	4524	8263	6141
<i>S. guttatus</i>	3968	628	665	2036	543	581	76	470	306
<i>S. lineolatus</i>	-	-	-	-	-	-	-	-	-
<i>Acanthocybium</i> spp.	1	-	-	-	249	-	-	1	-
TUNNIES									
<i>E. affinis</i>	5938	9224	5997	7687	14872	25247	8840	11827	9531
<i>Auxis</i> spp.	2782	4930	3023	4429	5681	5758	2787	3515	2754
<i>K. pelamis</i>	44	37	221	64	578	109	82	30	1
<i>T. tonggol</i>	388	64	277	69	234	93	545	73	63
Other tunnies	698	531	1093	664	923	1408	857	774	908
BILL FISHES									
	155	186	152	173	171	245	112	240	244
BARRACUDAS									
	898	1313	929	1886	2144	3842	4211	4046	3018
MULLETS									
	716	367	841	19	78	39	103	66	195
UNICRON COD									
	-	-	-	-	-	12	-	6	-
FLAT FISHES									
Halibut	19	19	111	232	60	486	94	346	21
Flounders	4	24	169	10	126	436	517	798	92
Soles	11309	9392	9917	12723	20061	14505	13885	27301	20505
CRUSTACEANS									
Penaeid prawns	26684	37188	52866	67498	53317	45483	60318	51068	47988
Non-penaeid prawns	202	104	259	163	18	2	276	63	131
Lobsters	94	50	139	112	74	123	195	206	40
Crabs	973	1400	2560	2151	2664	4704	4317	4864	5612
Stomatopods	7817	9102	11223	11549	13312	17028	10071	12730	19145
CEPHALOPODS									
	8283	14987	7535	15155	23488	24206	19468	30625	28471
Others	6929	6347	6922	9183	7455	7803	8251	18800	27216
TOTAL	325536	382791	303286	468808	647526	662890	564161	560742	574739

TABLE 9. Marine fish landings (in tonnes) in Karnataka during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
1	2	3	4	5	6	7	8	9	10
ELASMOBRANCHS									
Sharks	1418	1996	1469	1783	1283	758	1046	885	609
Skates	10	18	4	17	96	272	29	84	12
Rays	211	424	205	482	543	513	269	373	220
EELS	1	8	18	4	37	8	9	12	31
CATFISHES	1393	8246	2877	8818	2980	1421	1060	294	49
CLUPEIDS									
Wolf herring	784	453	565	413	330	342	249	266	475
Oil sardine	30812	26750	42449	45908	40606	29718	13364	8128	4979
Other sardines	4325	4780	5827	3203	5192	6360	6391	12894	4172
Hilsa shad	3	317	6	6	364	36	175	166	69
Other shads	6	29	112	201	98	480	10	136	20
Anchovies	-	-	-	-	23	89	90	79	1
<i>Coilia</i>	5	11	1	2	1	1	11	32	-
<i>Setipinna</i>	3	25	-	-	-	3	28	-	-
<i>Stolephorus</i>	5731	14126	7764	18718	7527	10223	11384	5357	7557
<i>Thryssa</i>	-	-	-	-	6	-	1	-	-
<i>Thryssa</i>	1019	2216	2575	3617	2176	3415	3010	3800	2149
Other clupeids	1044	5079	2572	3648	2612	3482	2192	3200	3013
BOMBAYDUCK	-	29	-	-	-	-	1	-	15
LIZARD FISHES	421	949	2420	2967	2478	1144	1878	1346	624
HALF BEAKS & FULL BEAKS	133	234	189	285	293	163	199	130	340
FLYING FISHES	10	19	-	-	6	-	-	-	-
PERCHES									
Rock cods	58	21	475	839	154	200	228	369	789
Snappers	34	3	19	1	4	17	254	13	43
Pig-face breams	-	5	4	-	-	1	-	2	-
Threadfin breams	1210	2993	4854	5935	3030	1502	2400	2251	3142
Other perches	472	1701	4293	3181	1505	1054	2596	1399	1626
GOATFISHES	-	-	434	936	438	174	34	139	130
THREADFINS	3	5	3	-	1	4	-	-	11
CROAKERS	1386	2362	4229	3982	3352	4806	4724	4641	3247
RIBBON FISHES	1415	7437	8505	4447	2166	4071	3105	4958	2518
CARANGIDS									
Horse mackerel	563	1637	2396	3867	1585	3805	6228	2214	1391
Scads	690	10163	2288	8116	7483	6687	15630	17650	4827
Leather-jackets	1293	227	412	563	494	269	189	979	503
Other carangids	7073	15844	18426	12572	6997	6449	7621	7444	5868
SILVERBELLIES	2516	11563	2313	2616	2559	3032	2090	1615	1581
BIG-JAWED JUMPER	836	1558	1568	2930	877	1161	1673	837	533
POMFRETS									
Black pomfret	1746	1253	1677	1362	1264	1594	2774	1758	1482
Silver pomfret	160	307	422	387	524	660	151	416	521
Chinese pomfret	-	1	14	14	120	101	51	57	234
MACKERELS									
Indian mackerel	25029	21175	26183	22719	101790	45136	22131	15193	45518
Other mackerels	-	-	-	-	-	-	-	-	-
SEER FISHES									
<i>S. commersoni</i>	2696	3484	2006	1725	2439	1339	1209	1618	1489
<i>S. guttatus</i>	486	230	354	422	922	432	333	211	145

1	2	3	4	5	6	7	8	9	10
<i>S. lineolatus</i>	4	1	-	9	-	-	-	-	27
<i>Acanthocybium</i> spp.	-	1	-	-	-	-	-	-	-
TUNNIES									
<i>E. affinis</i>	2069	3848	1438	1604	4399	2214	512	6410	351
<i>Auxis</i> spp.	172	2519	871	611	394	138	12	783	99
<i>K. pelamis</i>	-	105	-	-	100	-	-	-	-
<i>T. tonggol</i>	642	44	70	910	609	740	1110	2	5
Other tunnies	81	80	44	310	81	88	4	170	1
BILL FISHES									
BARRACUDAS	20	61	152	102	5	11	11	75	22
MULLET	93	150	173	647	543	299	463	452	244
UNICRON COD	6	12	43	14	7	25	7	40	32
FLAT FISHES									
Halibut	-	1	-	-	-	-	-	-	-
Flounders	29	17	140	84	11	18	53	32	59
Soles	-	-	-	-	-	-	-	-	-
CRUSTACEANS									
Penaeid prawns	3882	6814	4897	3636	2535	2918	4554	18153	7811
Non-penaeid prawns	4483	5016	9192	8665	8566	6688	9170	10821	4528
Lobsters	100	269	182	25	2	129	133	110	2
Crabs	23	20	4	1	2	-	2	-	13
Stomatopods	595	1868	2575	762	771	948	1181	2069	1174
CEPHALOPODS	9428	15754	45159	24601	24832	19494	19629	25597	18258
Others	239	2158	2869	1953	2452	2287	3460	2121	8873
TOTAL	1793	2815	2838	1791	1348	1415	1536	1029	937
TOTAL	118654	189231	220575	212411	251012	178334	156654	168810	142369

TABLE 10. Marine fish landings (in tonnes) in Goa during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
1	2	3	4	5	6	7	8	9	10
ELASMOBRANCHS									
Sharks	209	681	136	266	42	107	93	115	344
Skates	-	-	17	25	-	-	-	-	-
Rays	127	67	30	31	32	10	6	30	1
EELS	4	5	12	8	-	2	2	-	-
CATFISHES	1688	393	1378	3925	5317	1342	630	123	772
CLUPEIDS									
Wolf herring	431	325	191	335	96	105	190	360	229
Oil sardine	4068	524	9518	16649	12765	12626	22186	3330	877
Other sardines	930	2269	6775	3672	1239	4741	6690	10761	2080
Hilsa shad	-	-	-	-	-	-	-	-	-
Other shads	2	1	4	-	-	-	-	-	-
Anchovies	-	-	-	-	-	-	-	-	-
<i>Coilia</i>	-	3	-	-	-	-	-	-	-
<i>Setipinna</i>	-	-	-	-	-	-	-	-	-
<i>Stolephorus</i>	156	785	66	23	403	31	192	35	74
<i>Thryssa</i>	-	-	-	-	-	-	-	-	-
<i>Thryssa</i>	2851	4161	919	7578	364	326	3079	11466	220
Other clupeids	758	958	352	1428	1475	192	645	1113	325
BOMBAYDUCK	-	-	-	-	-	3	-	-	-
LIZARD FISHES	450	247	951	411	627	134	195	355	147
HALF BEAKS & FULL BEAKS	122	112	21	35	9	32	60	34	-
FLYING FISHES	1	-	-	-	-	-	-	-	-

1	2	3	4	5	6	7	8	9	10
PERCHES									
Rock cods	205	2	1	-	3	4	2	2	-
Snappers	78	-	5	-	-	-	-	-	-
Pig-face breams	23	-	63	-	-	1	-	-	-
Threadfin breams	720	1295	1899	39	19	3	12	8	5
Other perches	314	234	525	544	728	184	279	566	684
GOATFISHES									
	-	-	16	-	25	-	-	-	1
THREADFINS									
	5	40	-	-	32	-	-	-	-
CROAKERS									
	2287	3833	2502	1986	1297	586	1101	851	644
RIBBON FISHES									
	1402	1468	2211	3733	398	367	499	2955	1420
CARANGIDS									
Horse mackerel	145	164	405	3980	721	2250	1115	9329	283
Scads	1210	275	139	5026	72	1645	14463	18211	13
Leather-jackets	52	38	35	68	70	7	242	245	7
Other carangids	1512	2991	718	2328	14601	1524	3510	4752	1511
SILVERBELLIES									
	763	1445	860	1664	406	200	628	409	44
BIG-JAWED JUMPER									
	2143	2951	661	1041	255	233	387	304	118
POMFRETS									
Black pomfret	520	171	676	1027	960	705	197	149	153
Silver pomfret	218	44	90	155	76	79	44	62	73
Chinese pomfret	12	-	9	7	-	-	1	4	7
MACKERELS									
Indian mackerel	5624	575	5969	12246	63062	30436	3190	7733	72152
Other mackerels	-	-	-	-	-	-	-	-	-
SEER FISHES									
<i>S. commersoni</i>	15	137	370	236	114	606	856	1569	110
<i>S. guttatus</i>	917	671	489	295	154	115	128	104	270
<i>S. lineolatus</i>	-	-	-	-	-	-	-	-	-
<i>Acanthocybium</i> spp.	-	-	-	-	-	-	-	-	-
TUNNIES									
<i>E. affinis</i>	189	73	60	29	45	-	-	-	-
<i>Auxis</i> spp.	41	47	342	480	40	45	1673	2724	106
<i>K. pelamis</i>	-	-	-	-	-	1	-	-	-
<i>T. tonggol</i>	-	-	22	36	-	28	12	14	80
Other tunnies	-	-	1	-	-	-	-	87	-
BILL FISHES									
	-	7	-	-	-	-	-	-	-
BARRACUDAS									
	27	88	1	-	-	-	56	43	42
MULLET									
	107	48	35	15	21	15	6	16	3
UNICRON COD									
	-	-	-	-	-	-	-	-	-
FLAT FISHES									
Hallbut	85	21	2	-	-	-	-	-	-
Flounders	-	-	-	-	-	-	-	-	-
Soles	2965	2589	1668	1209	667	411	770	891	3118
CRUSTACEANS									
Penaeid prawns	3496	4610	5795	3963	4618	1886	3231	2997	2202
Non-penaeid prawns	-	85	-	-	-	-	-	-	-
Lobsters	23	4	77	8	6	5	4	1	4
Crabs	1789	2872	2325	497	327	569	435	332	890
Stomatopods	6554	12430	13931	14888	7838	4230	7088	12310	23665
CEPHALOPODS									
	304	1409	483	390	476	123	709	1096	6835
Others									
	3308	3253	2922	892	466	596	1017	847	2489
TOTAL	48850	54401	65677	91168	119866	66505	75623	96333	121998

TABLE 11. Marine fish landings (in tonnes) in Maharashtra during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
1	2	3	4	5	6	7	8	9	10
ELASMOBRANCHS									
Sharks	6461	6587	7962	9180	7354	6939	8421	8038	6495
Skates	1927	1616	1219	1264	1209	646	387	469	666
Rays	2592	2660	1618	1396	1422	1118	830	1125	1339
EELS	3518	2849	3541	1579	1279	1317	1478	1247	1531
CATFISHES	10993	11788	11365	21086	13652	9204	12097	8470	10963
CLUPEIDS									
Wolf herring	4010	2622	1918	1558	1178	1824	2770	3030	2680
Oil sardine	1840	822	1241	4149	19152	627	1002	210	226
Other sardines	337	455	2860	307	1732	3469	3901	3728	6935
Hilsa shad	445	498	600	89	84	214	296	238	304
Other shads	1295	1524	2936	1432	960	473	739	189	108
Anchovies	13	9	1468	-	7	1	-	825	-
Coilia	13195	10699	6557	7956	11485	12382	12419	7921	8655
Setipinna	-	-	30	-	-	-	-	-	-
Stolephorus	60	44	188	133	621	109	31	35	4
Thryssina	-	-	60	-	-	-	-	-	-
Thryssa	2500	2908	3629	5184	2184	3133	3648	4653	4454
Other clupeids	2844	1872	3710	6776	10900	6199	6713	4632	1585
BOMBAYDUCK	69689	42385	29306	30661	25222	38566	48022	18569	14884
LIZARD FISHES	1885	2882	1465	3487	4295	3159	2666	3394	2579
HALF BEAKS & FULL BEAKS	277	79	73	71	95	8	10	84	65
FLYING FISHES	2	-	-	-	-	-	-	-	102
PERCHES									
Rock cods	275	639	760	1641	2449	1952	1446	2059	2137
Snappers	229	904	907	1077	719	213	524	648	412
Pig-face breams	14	1	919	4	-	-	-	97	19
Threadfin breams	2654	4520	5281	12346	10039	10703	11023	13740	11840
Other perches	695	1822	2162	2355	2779	572	865	754	803
GOATFISHES	636	1933	1206	2831	1949	1221	727	503	402
THREADFINS	1527	2043	3964	661	1854	1466	1265	1201	446
CROAKERS	21801	25081	22160	23777	21724	22803	23035	25570	24160
RIBBON FISHES	19009	16271	13210	23501	19153	22392	30352	30803	22993
CARANGIDS									
Horse mackerel	1167	4253	828	6505	5539	1928	3065	2494	4041
Scads	10	2319	2369	4390	9494	8768	3893	5947	3444
Leather-jackets	1383	516	1254	253	507	139	72	415	288
Other carangids	2926	4403	2421	2720	6912	3380	2638	2455	3339
SILVERBELLIES	42	144	217	273	46	8	163	68	36
BIG-JAWED JUMPER	2005	2280	912	1459	707	973	2750	945	636
POMFRETS									
Black pomfret	2702	2282	5131	8491	5365	4367	4669	2185	3995
Silver pomfret	8040	5980	8206	11949	10829	8657	11623	5887	5322
Chinese pomfret	3	25	77	12	14	10	4	12	23
MACKERELS									
Indian mackerel	884	1247	4306	1391	22353	17628	11669	11462	29105
Other mackerels	-	-	182	-	-	-	1	-	-
SEER FISHES									
<i>S. commersoni</i>	2597	5952	3429	2039	1026	1401	1327	968	1758

1	2	3	4	5	6	7	8	9	10
<i>S. guttatus</i>	3042	2412	3269	6221	8128	5727	8950	3939	4253
<i>S. lineolatus</i>	-	-	-	-	-	-	-	-	-
<i>Acanthocybium</i> spp.	-	-	-	-	-	1	-	6	-
TUNNIES									
<i>E. affinis</i>	1823	1704	938	1280	3248	1645	2133	1184	2805
<i>Auxis</i> spp.	-	-	-	-	48	179	-	1	1
<i>K. pelamis</i>	-	-	-	-	-	15	24	-	-
<i>T. tonggol</i>	-	-	34	-	-	-	-	11	168
Other tunnies	50	103	224	32	27	121	78	56	128
BILL FISHES									
BARRACUDAS	176	159	100	178	567	561	434	272	468
MULLET	146	69	85	135	349	232	803	965	958
UNICRON COD	184	335	192	29	108	26	32	38	26
FLAT FISHES									
Halibut	734	413	864	816	543	237	1487	1179	926
Flounders	400	577	766	570	734	906	791	765	442
Soles	-	-	290	-	-	-	-	2	-
CRUSTACEANS									
Penaeid prawns	3772	4157	5305	2941	3322	3199	5618	6105	6464
Non-penaeid prawns	51793	46341	46960	30207	37403	55668	57976	58055	56416
Lobsters	55180	57387	21490	37549	41037	35906	44036	33415	28206
Crabs	2504	2031	703	477	386	787	735	453	237
Stomatopods	494	361	389	211	195	414	638	674	1027
CEPHALOPODS									
Others	2759	6150	23097	12940	18404	20773	17835	13948	19104
TOTAL									
	335809	315218	285208	315244	362330	345724	384162	327695	333003

TABLE 12. Marine fish landings (in tonnes) in Gujarat during 1985-'93

Group/Species	1985	1986	1987	1988	1989	1990	1991	1992	1993
ELASMOBRANCHS									
Sharks	10523	6964	6997	9203	7259	7139	13263	15976	21628
Skates	894	933	912	444	317	322	95	180	341
Rays	2305	1932	2208	1674	2286	6728	3170	2881	2083
EELS									
	3534	3856	1634	1352	2174	2084	3334	2731	2613
CATFISHES									
	10876	11430	9618	9497	9373	11976	10942	11836	12938
CLUPEIDS									
Wolf herring	7351	4843	6325	3812	4699	3691	5387	5801	5287
Oil sardine	-	-	746	-	-	2	-	-	-
Other sardines	481	73	543	71	-	7	-	28	19
Hilsa shad	376	257	430	687	768	119	1381	1102	180
Other shads	5448	5454	3345	2136	3058	3270	3622	3956	3762
Anchovies	-	-	-	-	-	-	-	-	-
<i>Coilia</i>	11000	12211	9273	9600	15124	19071	25306	15810	15490
<i>Setipinna</i>	-	-	-	-	-	-	-	-	-
<i>Stolephorus</i>	-	-	-	-	5	-	20	-	-
<i>Thrissina</i>	-	-	-	-	-	-	-	-	-
<i>Thryssa</i>	8202	3322	5605	5364	4961	4889	7831	6650	5885
Other clupeids	7566	4389	4191	3783	4833	4603	4692	4493	4995
BOMBAYDUCK									
	40831	47889	42151	35192	89546	78355	77027	82335	61154
LIZARD FISHES									
	1263	233	313	694	624	2450	3207	1218	1469
HALF BEAKS & FULL BEAKS									
	31	37	45	38	39	34	25	24	37
FLYING FISHES									
	-	48	1	1	1	12	4	2	-

1	2	3	4	5	6	7	8	9	10
PERCHES									
Rock cods	406	231	912	159	651	363	611	660	959
Snappers	886	279	312	295	525	410	99	155	372
Pig-face breams	46	46	40	59	48	77	43	267	287
Threadfin breams	4492	5907	2029	2757	2451	3492	5030	4152	5861
Other perches	4592	3178	2542	2089	3236	2511	3578	3992	4810
GOATFISHES									
	497	108	385	557	1853	578	336	1118	1940
THREADFINS									
	5058	3231	2376	2162	2651	2698	3215	3957	2716
CROAKERS									
	35794	29650	27327	24004	34602	40118	70874	85531	70392
RIBBON FISHES									
	18672	29293	19156	15277	24393	25157	29513	43146	39515
CARANGIDS									
Horse mackerel	615	1636	990	1290	2289	2124	3841	2284	3201
Scads	8	15	39	8	301	69	224	120	10
Leather-jackets	1950	1613	1503	1297	969	756	1693	893	945
Other carangids	956	446	1140	879	1035	953	859	1375	1359
SILVERBELLIES									
	357	57	151	1094	1295	1286	2825	2964	1224
BIG-JAWED JUMPER									
	18195	6555	7254	4525	3070	2741	3605	2857	1327
POMFRETS									
Black pomfret	2312	3477	2723	2512	1098	793	2149	1751	1738
Silver pomfret	10037	7036	6302	8132	8308	5930	7866	7680	9176
Chinese pomfret	54	126	35	7	8	-	-	-	8
MACKERELS									
Indian mackerel	41	44	17	81	132	24	162	399	278
Other mackerels	-	-	-	-	-	-	-	-	4
SEER FISHES									
<i>S. commersoni</i>	1424	4211	2489	1588	2887	2243	2836	2933	3718
<i>S. guttatus</i>	5210	1834	3193	2028	3331	1768	4100	5082	8352
<i>S. lineolatus</i>	-	-	-	-	-	-	-	-	-
<i>Acanthocybium</i> spp.	-	-	-	-	-	-	448	1	1
TUNNIES									
<i>E. affinis</i>	4313	907	839	636	439	261	1684	441	949
<i>Auxis</i> spp.	5	455	11	144	444	534	344	315	262
<i>K. pelamis</i>	-	-	-	-	-	-	-	-	1
<i>T. tonggol</i>	56	-	23	2	1	19	1962	2210	3180
Other tunnies	4748	446	2840	636	1806	2611	1810	434	5112
BILL FISHES									
	34	23	194	5	26	99	82	241	207
BARRACUDAS									
	96	26	38	222	633	487	1211	640	425
MULLETS									
	3261	2139	3017	5366	7550	2745	3012	2321	1944
UNICRON COD									
	-	-	29	55	14	4	2	3	1
FLAT FISHES									
Halibut	894	238	207	305	372	271	575	355	571
Flounders	-	-	-	-	-	-	-	-	-
Soles	2953	1206	2816	1547	1737	2304	5188	4119	2892
CRUSTACEANS									
Penaeid prawns	12636	14382	16094	15808	14645	19867	26376	29980	20151
Non-penaeid prawns	7132	9961	6813	7940	32538	40151	51876	53884	36529
Lobsters	966	612	1051	837	947	539	923	921	959
Crabs	9452	4560	4433	3973	3445	7960	7469	5434	2383
Stomatopods	3769	3385	4233	2457	2083	1897	3940	4958	2080
CEPHALOPODS									
	4551	6828	6791	2860	7343	5449	13270	13406	14530
Others									
	10566	8233	12254	10222	13041	13636	17657	16733	14828
TOTAL	287715	256245	236935	207363	327264	337677	440594	462735	403078

TABLE 13. *Quarterwise landings of selected groups in West Bengal*

Name of fish	1985					1986					1987				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	202	5	40	217	464	99	1	29	137	266	275	1	22	288	586
Catfishes	227	21	237	1019	1504	373	19	330	982	1704	1275	25	168	1262	2730
Other sardines	2	0	0	41	43	113	0	0	21	134	1	0	3	0	4
<i>Stolephorus</i>	0	8	115	5	128	3	0	14	4	21	0	0	6	0	6
Perches	6	0	2	34	42	18	7	11	42	78	41	2	7	10	60
Croakers	158	12	13	686	869	722	21	95	155	993	4420	1	16	1328	5765
Ribbon fishes	43	2	3	4361	4409	2065	13	11	127	2216	3733	1	4	13	3751
Carangids	0	1	1	22	24	22	0	0	0	22	0	0	6	58	64
Silverbellies	107	0	222	70	399	108	18	22	31	179	79	1	0	1	81
Mackerels	6	1	0	0	7	0	0	0	0	0	1	0	0	0	1
Tunnies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Penaeid prawns	26	3	71	146	246	345	36	2	29	412	201	16	14	68	299
Cephalopods	4	2	0	1	7	5	2	0	0	7	10	17	1	0	28
Others	5183	192	2437	7567	15399	3040	359	2424	4259	10082	3701	169	1357	4139	9366
Total	5964	247	3141	14189	23541	6913	476	2938	5787	16114	13737	233	1604	7167	22741

Name of fish	1988					1989					1990				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	51	0	44	217	312	171	1	27	525	724	238	22	185	345	790
Catfishes	268	11	148	490	917	484	9	607	3368	4468	806	62	685	1539	3092
Other sardines	4	0	0	0	4	5	65	3	0	73	0	0	3	0	3
<i>Stolephorus</i>	5	0	3	4	12	9	2	18	333	362	191	50	495	235	971
Perches	70	6	5	44	125	1	0	4	166	171	0	0	27	7	34
Croakers	995	5	48	996	2044	71	1	32	228	332	45	3	9	1673	1730
Ribbon fishes	468	2	9	1377	1856	26	1	30	740	797	408	7	128	529	1072
Carangids	13	0	32	39	84	22	0	67	114	203	0	2	44	54	100
Silverbellies	1	4	12	3	20	11	5	20	25	61	12	8	9	123	152
Mackerels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunnies	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0
Penaeid prawns	38	3	6	173	220	82	6	62	379	529	483	23	230	1820	2556
Cephalopods	1	1	2	3	7	8	7	11	13	39	0	8	7	66	81
Others	1142	92	1300	3882	6416	1345	88	11185	16397	29015	6764	875	16347	15253	39239
Total	3056	124	1609	7228	12017	2239	185	12066	22288	36778	8947	1060	18169	21644	49820

Name of fish	1991					1992					1993				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	394	56	130	1067	1647	607	15	320	1175	2117	1116	15	210	1173	2514
Catfishes	1177	166	798	2456	4597	1356	139	1252	2656	5403	1619	57	612	2361	4649
Other sardines	0	0	313	85	398	3	0	0	52	55	14	0	0	221	235
<i>Stolephorus</i>	129	19	119	50	317	33	19	138	22	212	22	1	14	79	116
Perches	22	10	35	67	134	66	10	8	153	237	35	3	33	96	167
Croakers	2560	4	38	1902	4504	942	15	109	1674	2740	1702	3	67	2966	4738
Ribbon fishes	309	4	83	1307	1703	774	9	82	1807	2672	1717	4	20	2391	4132
Carangids	83	0	100	248	431	58	1	116	304	479	438	7	52	188	685
Silverbellies	201	7	30	148	386	74	6	35	50	165	69	2	3	126	200
Mackerels	0	0	1	0	1	0	0	0	0	0	26	0	0	28	54
Tunnies	0	0	100	42	142	0	0	40	0	40	0	0	5	10	15
Penaeid prawns	343	38	119	723	1223	567	74	205	1831	2677	1527	44	79	1104	2754
Cephalopods	23	2	5	34	64	48	2	17	55	122	28	1	12	227	268
Others	6016	2256	19887	23563	51722	11901	1508	15308	33150	61867	19438	755	17743	33506	71442
Total	11257	2562	21758	31692	67269	16429	1798	17630	42929	78786	27751	892	18850	44476	91969

TABLE 14. *Quarterwise landings of selected groups in Orissa*

Name of fish	1985					1986					1987				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	320	401	925	288	1934	823	375	1270	1195	3663	1128	319	451	580	2478
Catfishes	1506	362	815	2668	5351	842	601	1428	1400	4271	1476	285	781	1801	4343
Other sardines	2401	292	34	1178	3905	1137	554	26	1829	3546	1851	1995	345	3345	7536
<i>Stolephorus</i>	369	15	80	322	786	865	61	1	337	1264	328	58	3	31	420
Perches	346	35	94	458	933	478	149	234	789	1650	1390	183	99	1050	2722
Croakers	6174	166	1317	7520	15177	9410	175	1276	3947	14808	5638	288	2432	8857	17215
Ribbon fishes	345	40	415	1086	1886	436	147	364	381	1328	912	520	87	707	2226
Carangids	211	112	262	72	657	254	274	187	183	898	206	99	106	202	613
Silverbellies	383	182	30	113	708	106	40	20	45	211	172	167	16	73	428
Mackerels	245	172	9	156	582	361	44	21	598	1024	1441	454	12	138	2045
Tunnies	57	5	0	3	65	359	0	0	17	376	253	1	0	2	256
Penaeid prawns	678	126	489	1304	2597	752	334	209	1588	2883	587	106	534	937	2164
Cephalopods	71	0	0	21	92	72	18	0	31	121	44	14	17	22	97
Others	3809	651	2501	5206	12167	10237	780	3698	6160	20875	5555	1207	2085	7104	15951
Total	16915	2559	6971	20395	46840	26132	3552	8734	18500	56918	20981	5696	6968	24849	58494

Name of fish	1988					1989					1990				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	770	270	433	619	2092	545	634	406	242	1827	521	733	219	420	1893
Catfishes	1527	334	1683	1404	4948	1214	322	1381	1865	4782	1723	594	482	1302	4101
Other sardines	1166	576	170	1072	2984	1235	636	23	1091	2985	2536	760	32	1826	5154
<i>Stolephorus</i>	52	9	17	18	96	51	8	0	13	72	153	3	11	0	167
Perches	819	19	152	1455	2445	810	137	36	493	1476	710	97	80	1365	2252
Croakers	2463	168	3615	10715	16961	2727	445	1462	5437	10071	9316	530	628	9081	19555
Ribbon fishes	693	61	326	1133	2213	1075	72	905	1348	3400	2549	136	386	1254	4325
Carangids	187	74	112	143	516	491	152	347	527	1517	623	231	171	607	1632
Silverbellies	297	28	24	120	469	151	48	28	8	235	112	38	15	30	195
Mackerels	196	52	2	30	280	158	13	3	1	175	48	16	4	1	69
Tunnies	22	7	0	4	33	56	3	0	12	71	53	0	0	0	53
Penaeid prawns	578	66	183	967	1794	325	102	277	1747	2451	1000	217	375	2029	3621
Cephalopods	21	3	3	10	37	2	2	0	77	81	10	2	0	1	13
Others	3947	602	2154	4739	11442	3500	835	4252	9304	17891	6642	1318	4042	9704	21706
Total	12738	2269	8874	22429	46310	12340	3409	9120	22165	47034	25996	4675	6445	27620	64736

Name of fish	1991					1992					1993				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	380	183	375	490	1428	1056	313	141	1950	3460	1023	153	212	870	2258
Catfishes	970	272	815	1553	3610	1576	259	558	1769	4162	2923	174	876	3029	7002
Other sardines	909	87	0	500	1496	324	236	0	399	959	586	137	4	1075	1802
<i>Stolephorus</i>	586	14	4	152	756	1379	275	0	133	1787	254	195	0	153	602
Perches	644	93	78	638	1453	312	34	44	698	1088	799	20	82	698	1599
Croakers	3426	216	839	6755	11236	2116	188	1393	8007	11704	6746	269	1085	10788	18888
Ribbon fishes	1564	83	177	949	2773	805	186	234	1066	2291	669	112	306	1184	2271
Carangids	287	97	160	740	1284	355	157	176	802	1490	488	128	143	763	1522
Silverbellies	589	86	15	60	750	186	111	41	63	401	203	95	46	155	499
Mackerels	516	12	7	31	566	509	12	50	212	783	895	20	12	54	981
Tunnies	70	0	5	2	77	54	2	0	56	112	33	0	11	20	64
Penaeid prawns	538	80	286	1068	1972	604	284	312	1538	2738	1091	265	245	1385	2986
Cephalopods	9	17	3	16	45	24	7	8	21	60	42	0	0	20	62
Others	5001	837	3894	7346	17078	2905	1030	2627	10025	16587	4990	927	3035	12793	21745
Total	15489	2077	6658	20300	44524	12205	3094	5584	26739	47622	20742	2495	6057	32987	62281

TABLE 15. *Quarterwise landings of selected groups in Andhra Pradesh*

Name of fish	1985					1986					1987				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	4432	1214	1130	1295	8071	2965	1187	1661	1727	7540	2475	1338	1724	924	6461
Catfishes	1560	1755	1442	451	5208	965	635	705	1300	3605	1170	531	1211	458	3370
Other sardines	8735	6414	1680	5980	22809	6443	3220	948	6112	16723	5306	1558	1078	4406	12348
<i>Stolephorus</i>	1189	286	261	876	2612	4246	1194	4163	969	10572	6585	1320	379	4561	12845
Perches	3804	1791	1336	1111	8042	2878	1184	1290	1608	6960	2511	4537	1534	780	9362
Croakers	2110	1169	1716	1744	6739	2134	1315	2685	2848	8982	3065	1847	2239	1708	8859
Ribbon fishes	703	426	1554	1793	4476	810	426	2228	1990	5454	1316	362	5218	665	7561
Carangids	2094	931	897	555	4477	2639	1116	1126	1324	6205	2279	2412	949	1129	6769
Silverbellies	1522	1636	1409	773	5340	1996	1212	1277	907	5392	2287	5037	1133	447	8904
Mackerels	1214	779	1392	248	3633	2127	4779	10297	6638	23841	5704	4201	2113	2308	14326
Tunnies	487	569	534	186	1776	248	128	441	206	1023	378	290	173	481	1322
Penaeid prawns	1550	1771	2968	1391	7680	3210	2700	3450	2249	11609	1979	1370	2240	1176	6765
Cephalopods	122	163	140	126	551	190	170	121	216	697	275	247	175	100	797
Others	15022	5962	8496	7647	37127	10402	7668	10415	15065	43550	12872	8677	7021	10901	39471
Total	44544	24866	24955	24176	118541	41253	26934	40807	43159	152153	48202	33727	27187	30044	139160
Name of fish	1988					1989					1990				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	1810	2586	1469	1207	7072	3217	1958	1520	1457	8152	1565	3238	1534	1185	7522
Catfishes	688	735	743	609	2775	848	323	765	772	2708	1137	443	341	284	2205
Other sardines	3356	1570	1877	10455	17258	6604	5733	11867	4167	28371	11782	3843	497	5772	21894
<i>Stolephorus</i>	1054	953	168	6075	8250	1798	485	68	591	2942	4869	1482	201	2946	9498
Perches	2378	1051	1408	710	5547	1167	1133	651	1418	4369	1267	610	1051	716	3644
Croakers	2360	780	1617	2020	6777	1214	726	1598	2255	5793	5036	1002	1877	1105	9020
Ribbon fishes	982	270	450	1865	3567	1141	136	1668	1911	4856	727	170	860	2365	4122
Carangids	1599	830	1714	1147	5290	2042	984	689	870	4585	3100	383	1340	573	5396
Silverbellies	1466	827	608	604	3505	641	1253	367	497	2758	1741	559	852	404	3556
Mackerels	4453	3755	1908	3309	13425	1104	2432	572	2483	6591	2473	192	216	988	3869
Tunnies	90	787	272	230	1379	322	472	103	262	1159	714	184	40	77	1015
Penaeid prawns	2417	821	2617	1884	7739	1631	1303	2673	1991	7598	1653	1981	3213	1896	8743
Cephalopods	175	111	119	137	542	105	107	98	179	489	256	510	96	126	988
Others	12423	5437	9671	12903	40434	14298	5140	9611	13708	42757	14771	4670	9990	7329	36760
Total	35251	20513	24641	43155	123560	36132	22185	32250	32561	123128	51091	19267	22108	25766	118232
Name of fish	1991					1992					1993				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	1674	524	910	1529	4637	3156	1991	1026	2004	8177	2732	993	1713	1847	7285
Catfishes	423	255	297	929	1904	736	782	335	650	2503	1270	283	618	1102	3273
Other sardines	3012	1781	583	3362	8738	1976	2769	748	3350	8843	7286	2488	158	2248	12180
<i>Stolephorus</i>	1864	1392	279	6845	10380	1977	1788	446	1845	6056	3777	758	385	859	5779
Perches	936	556	1144	1790	4426	1482	1584	1269	1836	6171	2580	1050	1640	1828	7098
Croakers	1292	754	2335	3199	7580	2887	1337	2073	2483	8780	2995	1182	2417	3100	9694
Ribbon fishes	1587	302	1893	8103	11885	4188	259	710	2129	7286	3340	171	1175	2823	7509
Carangids	1139	642	773	1062	3616	2490	1992	511	1424	6417	3422	1513	818	1415	7168
Silverbellies	838	481	574	719	2612	1837	726	1004	1115	4682	2024	1118	1005	2084	6231
Mackerels	3189	380	777	883	5229	5661	4378	10704	5763	26506	11813	6070	4627	3178	25688
Tunnies	356	45	98	276	775	252	173	26	26	477	552	463	165	44	1224
Penaeid prawns	1968	1613	3214	3964	10759	3038	1236	3228	3295	10797	4020	2558	4503	5119	16200
Cephalopods	87	61	127	171	446	208	104	144	211	667	293	162	481	444	1380
Others	8958	6165	8701	24339	48163	15575	8320	8282	20343	52520	19193	6544	10775	20718	57230
Total	27323	14951	21705	57171	121150	45463	27439	30506	46474	149882	65297	25353	30480	46809	167939

TABLE 16. *Quarterwise landings of selected groups in Tamil Nadu*

Name of fish	1985					1986					1987				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	2602	2282	2157	1566	8607	2215	2849	1692	3599	10355	4675	5605	4786	4500	19566
Catfishes	642	670	476	267	2055	335	773	229	339	1676	682	580	671	391	2324
Other sardines	5468	4440	3908	7129	20945	6055	3905	6162	14119	30241	16632	6721	5839	17174	46366
<i>Stolephorus</i>	650	3954	2548	1081	8233	1468	3822	6291	2158	13739	1122	1808	5079	4664	12673
Perches	2012	3603	3793	2692	12100	2473	3057	5119	2382	13031	5565	4818	5034	3046	18463
Croakers	1729	1821	1969	2321	7840	1939	1408	1501	2326	7174	3475	2819	1794	3601	11689
Ribbon fishes	541	3260	3392	699	7892	166	3121	15825	1290	20402	195	204	8917	388	9704
Carangids	4480	2100	1816	4931	13327	1549	2504	1683	2824	8560	2936	3454	3702	2946	13038
Silverbellies	7435	10492	11465	8015	37407	9116	10653	11638	13108	44515	14271	9677	11942	10386	46276
Mackerels	1864	2754	669	793	6080	1380	1883	3353	3643	10259	2908	6518	2134	1732	13292
Tunnies	187	352	594	203	1336	701	272	574	724	2271	391	605	1214	1316	3526
Penaeid prawns	2051	2821	3369	3063	11304	2930	5259	3916	3535	15640	3221	5482	5933	3549	18185
Cephalopods	339	454	2952	696	4441	388	444	2490	583	3905	680	1155	1492	723	4050
Others	13602	13807	13272	18303	58984	14159	9934	16433	19747	60273	19306	20672	20288	24215	84481
Total	43602	52810	52380	51759	200551	44874	49884	76906	70377	242041	76059	70118	78825	78631	303633
Name of fish	1988					1989					1990				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	3669	4073	3120	3681	14543	3123	2873	4948	1643	12587	2075	1865	2404	1521	7865
Catfishes	511	751	606	228	2096	730	611	378	198	1917	514	265	449	293	1521
Other sardines	9502	7390	9438	7537	33867	11070	7801	3861	3419	26151	4130	7108	3876	4497	19611
<i>Stolephorus</i>	1800	2638	8588	13478	28504	735	1485	6356	3639	12215	1412	5091	2040	457	9000
Perches	3050	5308	4739	3707	16804	3839	4312	6923	2752	17826	4620	5320	7771	4393	22104
Croakers	2938	2397	2709	3673	11717	3678	2287	3594	2762	12321	3604	3131	3003	2609	12347
Ribbon fishes	186	30	2158	489	2863	167	98	1082	1370	2717	327	433	812	1505	3077
Carangids	3226	4307	4442	4591	16566	3346	4255	5491	4106	17198	3080	4515	10565	5002	23162
Silverbellies	11031	12043	11585	12229	46888	6434	9660	11059	8249	35402	10582	10736	9930	6665	37913
Mackerels	2568	3542	1122	1726	8958	3145	2530	1656	2298	9629	996	2251	2639	1092	6978
Tunnies	521	1104	626	1010	3261	454	363	2278	515	3610	297	738	1498	989	3522
Penaeid prawns	3779	4471	4615	3596	16461	2775	4239	4256	5616	16886	3913	6005	4684	4496	19098
Cephalopods	753	1509	1115	831	4208	536	858	3073	1068	5535	864	1411	3636	1523	7434
Others	21000	21296	27442	21190	90928	20475	27932	33969	24930	107306	32883	32894	38419	25447	129643
Total	64534	70859	82305	77966	295664	60507	69304	88924	62565	281300	69297	81763	91726	60489	303275
Name of fish	1991					1992					1993				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	2628	2637	3665	2605	11535	3371	3694	6595	2014	15674	3447	3393	3929	5291	16060
Catfishes	593	474	928	411	2406	501	726	689	378	2294	630	759	568	503	2460
Other sardines	8778	7480	7594	7497	31349	12423	6574	6630	8651	34278	10945	6262	6185	10931	34323
<i>Stolephorus</i>	1894	4915	3657	5001	15467	1850	1714	13715	454	17733	1259	1535	1984	2295	7073
Perches	6107	6003	8551	4591	25252	5453	5596	8518	4779	24346	5625	9555	8197	5568	28945
Croakers	4306	2185	3298	3544	13333	4066	2336	2548	2975	11925	2711	3005	3234	2224	11174
Ribbon fishes	1467	2522	6507	2792	13288	1465	640	10588	1668	14361	859	141	1837	727	3564
Carangids	4829	4400	4712	3916	17857	3249	2560	8483	3284	17576	4146	3337	3719	3639	14841
Silverbellies	7526	10682	9360	8141	35709	9297	9029	8504	8287	35117	10823	10103	15265	8036	44227
Mackerels	8784	2155	2963	1172	15074	22223	5934	880	2277	31314	4385	2908	2837	2417	12547
Tunnies	1235	762	1409	880	4286	349	534	2532	700	4115	369	7471	704	287	8831
Penaeid prawns	3516	5138	5381	4487	18522	3749	5015	6463	5059	20286	3915	4180	5576	6161	19832
Cephalopods	1056	2402	3322	2238	9018	1760	2182	10464	1598	16004	1296	2066	3249	2146	8757
Others	31986	30158	49519	32738	144401	35826	31844	33092	25323	126085	26827	39635	34991	23465	124918
Total	84705	81913	110866	80013	357497	105582	78378	119701	67447	371108	77237	94350	92275	73690	337552

TABLE 17. *Quarterwise landings of selected groups in Pondicherry*

Name of fish	1985					1986					1987				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	32	88	204	105	429	25	67	63	7	162	51	22	143	28	244
Catfishes	3	0	19	17	39	1	5	1035	2	1043	0	2	29	0	31
Other sardines	1509	141	1034	495	3179	207	386	213	306	1112	1152	438	184	512	2286
<i>Stolephorus</i>	40	45	321	28	434	176	275	274	39	764	65	67	70	84	286
Perches	132	468	441	387	1428	248	222	363	62	895	147	227	335	48	757
Croakers	164	59	131	109	463	88	61	214	86	449	191	45	171	66	473
Ribbon fishes	15	4	7	12	38	25	3	26	69	123	25	2	46	37	110
Carangids	110	258	668	83	1119	92	174	210	99	575	101	395	98	72	666
Silverbellies	152	163	362	682	1359	239	303	402	151	1095	206	207	380	78	871
Mackerels	131	719	302	97	1249	429	235	332	506	1502	580	817	678	128	2203
Tunnies	11	26	4	6	47	0	0	124	2	126	34	36	2	0	72
Penaeid prawns	229	244	124	157	754	118	158	214	57	547	16	247	211	34	508
Cephalopods	7	14	13	9	43	3	10	27	3	43	0	31	34	2	67
Others	1026	1574	1772	1527	5899	1159	1119	2039	1508	5825	709	1312	2360	501	4882
Total	3561	3803	5402	3714	16480	2810	3018	5536	2897	14261	3277	3848	4741	1590	13456

Name of fish	1988					1989					1990				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	138	82	73	9	302	67	23	31	45	166	169	25	32	4	230
Catfishes	7	13	7	6	33	0	0	0	0	0	0	0	3	1	4
Other sardines	382	268	329	539	1518	614	353	260	16	1243	195	19	237	343	794
<i>Stolephorus</i>	235	34	49	0	318	27	26	51	12	116	30	2	146	5	183
Perches	385	98	135	122	740	133	70	161	59	423	162	90	139	165	556
Croakers	12	25	175	202	414	32	7	113	54	206	5	21	68	57	151
Ribbon fishes	91	0	1983	13	2087	14	0	43	34	91	0	0	8	20	28
Carangids	88	242	358	255	943	173	275	200	28	676	283	118	186	143	730
Silverbellies	118	20	167	24	329	70	42	325	52	489	69	95	86	168	418
Mackerels	208	65	90	219	582	297	700	131	27	1155	193	234	247	447	1121
Tunnies	1	110	15	37	163	1	134	2	7	144	0	4	6	14	24
Penaeid prawns	96	82	143	68	389	66	30	166	180	442	231	304	191	189	915
Cephalopods	18	1	8	1	28	13	11	88	0	112	3	49	24	25	101
Others	1067	2254	1162	675	5158	1149	2905	2442	601	7097	1215	2536	5828	686	10265
Total	2846	3294	4694	2170	13004	2656	4576	4013	1115	12360	2555	3497	7201	2267	15520

Name of fish	1991					1992					1993				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Elasmobranchs	26	65	18	14	123	74	33	115	3	225	38	19	69	10	136
Catfishes	1	4	0	4	9	4	3	29	6	42	8	21	4	0	33
Other sardines	235	482	250	143	1110	308	135	1156	674	2273	235	28	629	16	908
<i>Stolephorus</i>	23	15	4	23	65	125	1	32	0	158	49	38	13	0	100
Perches	94	129	51	130	404	76	72	202	28	378	64	90	105	30	289
Croakers	27	30	35	50	142	38	46	36	26	146	16	24	54	10	104
Ribbon fishes	14	4	3	15	36	52	26	5	12	95	86	3	2	11	102
Carangids	128	96	123	73	420	106	100	102	25	333	118	59	53	20	250
Silverbellies	67	181	73	85	406	146	140	239	36	561	42	100	293	26	461
Mackerels	216	175	362	113	866	161	1429	105	85	1780	187	857	2560	88	3692
Tunnies	14	50	55	188	307	116	34	128	0	278	6	52	33	37	128
Penaeid prawns	113	372	108	61	654	87	93	207	13	400	38	62	42	4	146
Cephalopods	5	173	10	18	206	44	17	132	0	193	7	12	13	1	33
Others	1075	2031	1817	806	5729	1104	3343	1723	263	6433	651	1590	1308	265	3814
Total	2038	3807	2909	1723	10477	2441	5472	4211	1171	13295	1545	2955	5178	518	10196

TABLE 18. *Quarterwise landings of selected groups in Kerala*

Name of fish	1985					1986					1987				
	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL
Catfishes	919	792	1759	1700	5170	392	445	4974	2783	8594	242	1023	2970	425	4660
Oil sardine	37235	6881	19244	15865	79225	31184	659	189	8581	40613	1262	723	31540	11192	44717
<i>Stolephorus</i>	1977	3038	14133	17079	36227	2140	3628	7533	13857	27158	694	3226	6500	6179	16599
Perches	5086	2962	19496	3105	30649	4138	2673	31678	7515	46004	8008	2409	16571	3145	30133
Croakers	2160	2364	2976	1124	8624	1098	1510	1388	8772	12768	1766	1299	3743	1353	8161
Carangids	2204	2255	2957	5423	12839	1574	2327	32520	35163	71584	4550	4432	8934	4856	22772
Silverbellies	618	1006	1057	736	3417	557	2019	2874	557	6007	2050	1876	808	1293	6027
Pomfrets	187	45	144	514	890	90	123	788	857	1858	211	135	836	941	2123
Mackerels	3291	4149	4281	6380	18101	5594	4671	3484	8127	21876	2692	2324	3404	1643	10063
Tunnies	1073	3621	1950	3206	9850	1417	5011	1819	6539	14786	1047	1812	5023	2729	10611
Penaeid prawns	6376	9424	5677	5207	26684	7782	12879	10840	5687	37188	8574	20536	13095	10661	52866
Non-penaeid prawns	54	148	0	0	202	10	7	0	87	104	10	35	207	7	259
Cephalopods	1954	1536	2285	2508	8283	906	840	8040	5201	14987	2617	1035	1822	2061	7535
Others	13516	15476	27616	28767	85375	14612	15457	22044	27151	79264	17319	19284	28908	21249	86760
Total	76650	53697	103575	91614	325536	71494	52249	128171	130877	382791	51042	60149	124361	67734	303286

Name of fish	1988					1989					1990				
	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL
Catfishes	319	1396	4605	3640	9960	399	283	2929	486	4097	223	151	1773	592	2739
Oil sardine	1304	1540	18905	38759	60508	37496	16073	74671	56639	184879	38137	28726	58066	54347	179276
<i>Stolephorus</i>	1537	4545	24645	15267	45994	16522	21916	6556	15003	45127	1814	7691	8094	9260	26859
Perches	8936	3651	15987	3730	32304	10418	7020	24056	7492	48986	12986	13066	38199	3105	67356
Croakers	1658	1171	2602	3039	8470	2100	3517	2582	3203	11402	1796	2677	3552	2843	10868
Carangids	3386	5626	15462	22595	47069	5390	6174	22781	15874	50219	4199	14672	36831	13366	69068
Silverbellies	1493	1399	2448	1153	6493	926	1646	1972	810	5354	2109	1908	1016	1162	6195
Pomfrets	283	153	177	992	1605	88	279	44	1328	1739	90	203	1162	1143	2598
Mackerels	2253	10592	9917	21176	43938	5672	9200	20575	49825	85272	6291	6957	24539	40548	78335
Tunnies	1302	3127	4476	4008	12913	1435	4358	5628	10867	22288	2849	8687	4303	16776	32615
Penaeid prawns	11247	16031	25471	14749	67498	11044	28327	5746	8200	53317	16462	17561	5273	6187	45483
Non-penaeid prawns	35	0	128	0	163	15	3	0	0	18	0	0	2	0	2
Cephalopods	2988	2860	4030	5277	15155	3071	3970	11432	5015	23488	4126	5487	7369	7224	24206
Others	21523	25228	22682	47305	116738	23518	20964	21049	45809	111340	30127	23791	23919	39453	117290
Total	58264	77319	151535	181690	468808	103224	123730	200021	220551	647526	121209	131577	214098	196006	662890

Name of fish	1991					1992					1993				
	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL
Catfishes	393	451	538	362	1744	302	219	177	331	1029	17	43	214	323	597
Oil sardine	44562	37468	13165	11068	106263	22620	9796	6634	15068	54118	4495	11505	16211	17464	49675
<i>Stolephorus</i>	2129	7905	11610	23629	45273	3916	5295	22867	16139	48217	7348	18975	13404	9750	49477
Perches	7442	4363	25337	3980	41122	8315	4748	27670	9426	50159	14178	11631	44016	4988	74813
Croakers	2127	1689	2959	2041	8816	1715	2573	3722	7593	15603	4041	2342	4232	4042	14657
Carangids	4622	9972	42762	21370	78726	7110	10268	48511	19233	85122	9139	17307	32108	13735	72289
Silverbellies	1536	1307	1371	1429	5643	1606	976	446	1452	4480	2972	1337	391	1758	6458
Pomfrets	102	108	240	793	1243	346	223	223	1809	2601	534	518	373	1229	2654
Mackerels	12399	5126	25251	11204	53980	5867	8440	16430	7172	37909	2953	13096	29962	13161	59172
Tunnies	3473	3772	2227	3639	13111	2269	1639	4061	8250	16219	1647	6285	2286	3039	13257
Penaeid prawns	9803	18384	18422	13709	60318	16285	10586	16038	8158	51067	7530	10592	20505	9361	47988
Non-penaeid prawns	9	2	265	0	276	0	15	48	0	63	0	1	115	15	131
Cephalopods	4682	3303	4773	6710	19468	8025	4539	9057	9004	30625	7222	4838	10389	6022	28471
Others	42594	19008	29760	36816	128178	33731	17444	51930	60425	163530	42462	25533	30462	56643	155100
Total	135873	112858	178680	136750	564161	112107	76761	207814	164060	560742	104538	124003	204668	141530	574739

TABLE 19. Quarterwise landings of selected groups in Karnataka

Name of fish	1985					1986					1987				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	227	113	790	263	1393	1240	297	846	5863	8246	766	150	655	1306	2877
Oil sardine	3180	2785	3287	21560	30812	18010	1661	2644	4435	26750	262	5235	11343	25609	42449
<i>Stolephorus</i>	3243	763	31	1694	5731	7750	1205	15	5156	14126	4791	243	10	2720	7764
Bombayduck	0	0	0	0	0	0	0	0	29	29	0	0	0	0	0
Perches	764	582	20	408	1774	2277	1816	321	309	4723	3599	2712	150	3184	9645
Croakers	320	356	409	301	1386	641	638	615	468	2362	1115	552	885	1677	4229
Carangids	685	303	2421	6210	9619	1395	1019	5623	19834	27871	5605	1694	5532	10691	23522
Silverbellies	154	541	1463	358	2516	290	1211	5131	4931	11563	490	378	422	1023	2313
Pomfrets	102	35	1363	406	1906	78	117	602	764	1561	161	71	1385	496	2113
Mackerels	761	796	9565	13907	25029	299	664	7194	13018	21175	50	353	10574	15206	26183
Tunnies	36	3	230	2695	2964	18	96	344	6138	6596	29	38	2039	317	2423
Penaeid prawns	1632	1891	363	597	4483	2261	1741	555	459	5016	3002	1479	705	4006	9192
Non-penaeid prawns	0	0	0	100	100	0	0	9	260	269	1	0	10	171	182
Cephalopods	72	55	13	99	239	887	313	726	232	2158	1402	895	16	556	2869
Others	8253	5736	1886	14827	30702	19787	12040	9610	15349	56786	33828	17468	5026	28492	84814
Total	19429	13959	21841	63425	118654	54933	22818	34235	77245	189231	55101	31268	38752	95454	220575

Name of fish	1988					1989					1990				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	660	1161	106	6891	8818	173	138	617	2052	2980	131	78	292	920	1421
Oil sardine	26515	3395	1642	14356	45908	17887	2140	3597	16982	40606	8729	4641	5635	10713	29718
<i>Stolephorus</i>	6583	4877	968	6290	18718	2191	768	27	4541	7527	1062	4364	31	4766	10223
Bombayduck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perches	6366	2280	153	1157	9956	3193	1240	61	199	4693	1472	664	63	575	2774
Croakers	1505	516	494	1467	3982	1039	714	1005	594	3352	1083	779	1186	1758	4806
Carangids	5042	2220	6379	11477	25118	1958	1505	3545	9551	16559	3152	1779	8639	3640	17210
Silverbellies	746	598	285	987	2616	563	434	1345	217	2559	694	420	1543	375	3032
Pomfrets	155	155	154	1299	1763	409	221	437	841	1908	296	106	251	1702	2355
Mackerels	323	679	7734	13983	22719	1381	2770	26249	71390	101790	2340	1841	24445	16510	45136
Tunnies	123	228	558	2526	3435	263	38	1688	3594	5583	8	4	367	2801	3180
Penaeid prawns	3773	742	2364	1786	8665	3404	1508	3118	536	8566	2502	1315	1405	1466	6688
Non-penaeid prawns	13	3	0	9	25	0	0	0	2	2	0	8	0	121	129
Cephalopods	849	410	1	693	1953	812	731	570	339	2452	698	580	534	475	2287
Others	28593	8799	3063	18280	58735	25838	11791	3446	11360	52435	18706	7152	5616	17901	49375
Total	81246	26063	23901	81201	212411	59111	23998	45705	122198	251012	40873	23731	50007	63723	178334

Name of fish	1991					1992					1993				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	83	30	70	877	1060	21	2	141	130	294	13	3	14	19	49
Oil sardine	3707	1168	1934	6555	13364	3989	641	65	3433	8128	3549	480	191	759	4979
<i>Stolephorus</i>	2569	1766	39	7010	11384	2668	2015	66	608	5357	4160	498	54	2845	7557
Bombayduck	1	0	0	0	1	0	0	0	0	0	9	0	6	0	15
Perches	3310	875	390	903	5478	2196	818	145	875	4034	2979	1005	115	1501	5600
Croakers	1397	621	1331	1375	4724	1721	736	1388	796	4641	803	456	880	1108	3247
Carangids	2135	822	10557	16154	29668	2335	735	10649	14568	28287	3532	1174	4579	3304	12589
Silverbellies	540	321	804	425	2090	318	230	681	386	1615	348	216	559	458	1581
Pomfrets	204	49	1287	1436	2976	153	150	908	1020	2231	503	238	187	1309	2237
Mackerels	1008	489	6212	14422	22131	1341	796	10047	3009	15193	448	884	22616	21570	45518
Tunnies	111	25	400	1102	1638	10	6	1038	6311	7365	10	5	111	330	456
Penaeid prawns	3212	1777	1295	2886	9170	5280	1665	1658	2218	10821	1828	1068	221	1411	4528
Non-penaeid prawns	0	0	0	133	133	0	0	0	110	110	0	0	2	0	2
Cephalopods	1484	431	858	687	3460	778	456	205	682	2121	2229	1335	3852	1457	8873
Others	20915	8523	4741	15198	49377	29877	13204	7400	28132	78613	17667	6967	2773	17731	45138
Total	40676	16897	29918	69163	156654	50687	21454	34391	62278	168810	38078	14329	36160	53802	142369

TABLE 20. *Quarterwise landings of selected groups in Goa*

Name of fish	1985					1986					1987				
	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL
Catfishes	944	659	22	63	1688	97	163	18	115	393	767	212	258	141	1378
Oil sardine	1454	146	5	2463	4068	243	0	0	281	524	1141	202	1152	7023	9518
<i>Stolephorus</i>	3	120	13	20	156	30	1	3	751	785	0	0	0	66	66
Bombayduck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perches	721	513	40	66	1340	786	545	1	199	1531	1959	327	78	129	2493
Croakers	831	954	250	252	2287	795	450	1575	1013	3833	1505	609	51	337	2502
Carangids	191	202	505	2021	2919	1921	232	519	796	3468	368	145	428	356	1297
Silverbellies	244	424	2	93	763	642	679	41	83	1445	197	586	5	72	860
Pomfrets	85	175	57	433	750	38	16	89	72	215	46	31	237	461	775
Mackerels	60	27	195	5342	5624	89	0	184	302	575	45	11	2564	3349	5969
Tunnies	0	0	2	228	230	8	0	106	6	120	5	2	35	383	425
Penaeid prawns	932	1075	1223	266	3496	1309	857	75	2369	4610	3383	764	230	1418	5795
Non-penaeid prawns	0	0	0	0	0	0	0	0	85	85	0	0	0	0	0
Cephalopods	167	52	2	83	304	480	234	47	648	1409	416	51	5	11	483
Others	10240	7896	1935	5154	25225	13614	5102	4452	12240	35408	17634	5212	1807	9463	34116
Total	15872	12243	4251	16484	48850	20052	8279	7110	18960	54401	27466	8152	6850	23209	65677

Name of fish	1988					1989					1990				
	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL
Catfishes	3230	394	97	204	3925	966	7	2741	1603	5317	5	706	37	594	1342
Oil sardine	3697	115	4	12833	16649	5997	338	317	6113	12765	0	48	5220	7358	12626
<i>Stolephorus</i>	1	1	11	10	23	336	38	16	13	403	2	6	23	0	31
Bombayduck	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Perches	331	74	72	106	583	561	147	34	8	750	57	96	37	2	192
Croakers	1216	355	101	314	1986	769	214	311	3	1297	79	240	235	32	586
Carangids	2731	1939	432	6300	11402	2589	859	127	11889	15464	1339	317	3309	461	5426
Silverbellies	332	62	78	1192	1664	213	107	30	56	406	159	35	2	4	200
Pomfrets	82	611	129	367	1189	63	21	134	818	1036	1	18	508	257	784
Mackerels	6	5	599	11636	12246	1768	3130	19029	39135	63062	332	271	21629	8204	30436
Tunnies	24	2	10	509	545	75	0	0	10	85	5	0	0	69	74
Penaeid prawns	2433	655	214	661	3963	786	638	3193	1	4618	218	630	901	137	1886
Non-penaeid prawns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cephalopods	280	48	4	58	390	361	40	8	67	476	49	40	27	7	123
Others	18076	3451	915	14161	36603	8177	3831	785	1394	14187	2006	4772	3069	2949	12796
Total	32439	7712	2666	48351	91168	22661	9370	26725	61110	119866	4252	7179	35000	20074	66505

Name of fish	1991					1992					1993				
	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL	1 QR	2 QR	3 QR	4 QR	TOTAL
Catfishes	48	21	428	133	630	50	0	22	51	123	12	0	1	759	772
Oil sardine	1708	1073	2157	17248	22186	3315	11	0	4	3330	0	10	0	867	877
<i>Stolephorus</i>	7	2	6	177	192	0	10	2	23	35	18	24	32	0	74
Bombayduck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perches	179	97	15	2	293	171	167	21	217	576	599	21	55	14	689
Croakers	432	229	330	110	1101	164	109	386	192	851	338	78	161	67	644
Carangids	869	221	94	18146	19330	268	190	1222	30857	32537	1331	197	133	153	1814
Silverbellies	100	34	79	415	628	2	51	20	336	409	3	0	35	6	44
Pomfrets	33	23	26	160	242	22	5	4	184	215	57	8	53	115	233
Mackerels	241	35	652	2262	3190	43	15	4296	3379	7733	113	8	32480	39551	72152
Tunnies	0	1	0	1684	1685	0	18	40	2767	2825	5	0	0	181	186
Penaeid prawns	1220	347	1429	235	3231	333	382	1545	737	2997	1215	267	592	128	2202
Non-penaeid prawns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cephalopods	207	101	29	372	709	143	136	303	514	1096	879	32	1	5923	6835
Others	7539	3513	2817	8337	22206	6709	5090	5091	26716	43606	23433	4869	1148	6026	35476
Total	12583	5697	8062	49281	75623	11220	6184	12952	65977	96333	28003	5514	34691	53790	121988

TABLE 21. Quarterwise landings of selected groups in Maharashtra

Name of fish	1985					1986					1987				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	3433	1453	1036	5071	10993	4377	1575	1360	4476	11788	2065	3302	1725	4273	11365
Oil sardine	422	70	43	1305	1840	441	67	4	310	822	507	255	0	479	1241
Stolephorus	18	19	0	23	60	13	19	3	9	44	0	74	14	100	188
Bombayduck	11667	22975	4512	30535	69689	4563	11132	8720	17970	42385	3754	9666	1803	14083	29306
Perches	1085	1034	432	1316	3867	1660	2097	445	3684	7886	3224	3249	1163	2393	10029
Croakers	3708	2924	2243	12926	21801	6693	3894	2910	11584	25081	6105	3502	4389	8164	22160
Carangids	647	202	194	4443	5486	1718	1728	496	7549	11491	2214	1150	658	2850	6872
Silverbellies	12	22	5	3	42	6	22	57	59	144	32	63	89	33	217
Pomfrets	2700	1450	1177	5418	10745	2103	1068	977	4139	8287	1996	2471	4048	4899	13414
Mackerels	114	70	85	615	884	823	72	42	310	1247	570	0	18	3900	4488
Tunnies	229	81	528	1035	1873	474	39	553	741	1807	629	187	182	198	1196
Penaeid prawns	9421	4649	9897	27826	51793	13252	7862	13259	11968	46341	1474	5770	12490	14480	44214
Non-penaeid prawns	22976	13097	1945	17162	55180	18448	25308	2748	10883	57387	2169	8801	1546	7718	20234
Cephalopods	2648	751	219	9448	13066	2266	938	1061	8170	12435	433	1056	393	7276	9158
Others	21231	13379	8417	45463	88490	27133	20725	10169	30046	88073	43498	20351	11881	35396	111126
Total	80311	62176	30733	162589	335809	83970	76546	42804	111898	315218	78670	59897	40399	106242	285208

Name of fish	1988					1989					1990				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	6464	5526	1928	7168	21086	3811	4605	1087	4149	13652	3218	1523	1041	3422	9204
Oil sardine	29	2	6	4112	4149	405	7	0	18740	19152	233	0	0	394	627
Stolephorus	25	5	4	99	133	2	251	54	314	621	0	0	5	104	109
Bombayduck	1846	4718	2156	21941	30661	2946	3846	2561	15869	25222	5607	6922	6863	19174	38566
Perches	6159	4215	1415	5634	17423	4421	4144	1191	6230	15986	7366	4045	503	1526	13440
Croakers	6788	6683	2870	7436	23777	6069	5118	1694	8843	21724	6935	3243	3601	9024	22803
Carangids	926	6030	664	6248	13868	2458	1135	719	18140	22452	7500	1062	1516	4137	14215
Silverbellies	113	8	74	78	273	46	0	0	0	46	4	0	4	0	8
Pomfrets	5985	3644	2412	8411	20452	4686	3320	2305	5897	16208	3236	2008	2913	4877	13034
Mackerels	112	14	49	1216	1391	499	2291	621	18942	22353	8011	345	2105	7167	17628
Tunnies	88	54	171	999	1312	139	598	1260	1326	3323	131	100	381	1348	1960
Penaeid prawns	7040	5212	6526	11429	30207	10126	6907	8526	11844	37403	14242	7710	10924	22792	55668
Non-penaeid prawns	5365	23166	1662	7356	37549	12026	19522	2103	7386	41037	10070	17466	1359	7011	35906
Cephalopods	3106	824	383	9033	13346	3308	1285	1048	8831	14472	5837	1625	1538	6605	15605
Others	27159	27264	10893	34301	99617	32201	26222	8310	41946	108679	34710	13410	11276	47555	106951
Total	71205	87365	31213	125461	315244	83143	79251	31479	168457	362330	107100	59459	44029	135136	345724

Name of fish	1991					1992					1993				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	2427	2162	1528	5980	12097	2219	1701	1017	3533	8470	4065	1223	1746	3929	10963
Oil sardine	483	11	25	483	1002	126	28	0	56	210	5	14	172	35	226
Stolephorus	8	17	4	2	31	8	0	24	3	35	2	0	0	2	4
Bombayduck	5761	5375	8925	27961	48022	5309	2925	3410	6925	18569	2543	4883	3383	4075	14884
Perches	5861	4521	620	2856	13858	7542	4751	1330	3675	17298	5539	5406	1493	2953	15211
Croakers	7811	3565	2416	9243	23035	6492	3390	7133	8555	25570	9162	2877	3778	8343	24160
Carangids	3799	1739	854	3276	9668	1734	1504	813	7260	11311	1924	739	1924	6525	11112
Silverbellies	79	44	40	0	163	11	39	0	18	68	18	18	0	0	36
Pomfrets	2870	2398	2679	8349	16296	2456	1318	1546	2764	8084	1874	3750	597	3119	9340
Mackerels	6615	837	244	3974	11670	1008	295	577	9582	11462	7671	468	598	20368	29105
Tunnies	161	137	153	1784	2235	387	189	208	468	1252	395	153	1215	1339	3102
Penaeid prawns	12845	8942	15343	20839	57969	12195	5905	16559	23371	58030	22070	6989	13796	13560	56415
Non-penaeid prawns	3918	13204	1887	25022	44031	6149	15522	3038	8691	33400	8540	8782	1557	9327	28206
Cephalopods	6416	1823	1266	9146	18651	8601	3736	1439	12206	25982	15683	3355	3053	5589	27680
Others	46162	17906	11696	49670	125434	36403	17509	9320	44722	107954	47993	15500	11883	27183	102559
Total	105216	62681	47680	118915	384162	90640	58812	46414	131829	327695	127304	54157	45195	106347	333003

TABLE 22. *Quarterwise landings of selected groups in Gujarat*

Name of fish	1985					1986					1987				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	3921	2580	692	3683	10876	5658	2489	603	2860	11430	5102	1649	521	2346	9618
Oil sardine	0	0	0	0	0	0	0	0	0	0	0	0	0	746	746
<i>Stolephorus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bombayduck	12062	8208	2089	18472	40831	10048	18070	1993	17778	47889	8888	3130	767	29366	42151
Perches	4849	1383	349	3841	10422	4438	457	2350	2396	9641	2830	517	323	2165	5835
Croakers	15691	6518	498	13087	35794	12255	6825	1062	9508	29650	10401	4680	1995	10251	27327
Carangids	764	632	598	1535	3529	717	857	347	1789	3710	1086	693	758	1135	3672
Silverbellies	306	12	0	39	357	39	0	0	18	57	0	0	0	151	151
Pomfrets	4461	2142	2396	3404	12403	1717	2781	1903	4238	10639	3251	2161	1360	2288	9060
Mackerels	29	1	5	6	41	0	0	0	44	44	2	0	0	15	17
Tunnies	1934	537	3051	3600	9122	723	5	348	732	1808	2610	164	447	492	3713
Penaeid prawns	4922	1555	328	5831	12636	6428	1011	829	6114	14382	6208	1973	1404	6509	16094
Non-penaeid prawns	2852	1044	744	2492	7132	3755	663	63	5480	9961	2914	2269	168	1462	6813
Cephalopods	2035	497	1	2018	4551	4195	521	329	1783	6828	4929	789	10	1063	6791
Others	55907	16359	5508	62247	140021	47320	24950	4998	32938	110206	1852	19711	6745	36639	104947
Total	109733	41468	16259	120255	287715	97293	58629	14825	85498	256245	90073	37736	14498	94628	236935

Name of fish	1988					1989					1990				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	3922	2269	939	2367	9497	3115	2483	1090	2685	9373	6170	2347	740	2719	11976
Oil sardine	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
<i>Stolephorus</i>	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0
Bombayduck	6324	3599	1338	23931	35192	8966	8000	34738	37842	89546	15083	4662	3724	54886	78355
Perches	1894	715	184	2566	5359	2153	1345	870	2543	6911	1625	939	424	3865	6853
Croakers	6838	4625	1616	10925	24004	7225	4337	3839	19201	34602	11892	5517	5200	17509	40118
Carangids	613	489	625	1747	3474	1162	733	638	2061	4594	829	745	493	1835	3902
Silverbellies	140	832	1	121	1094	683	97	66	449	1295	182	248	0	856	1286
Pomfrets	1100	2122	3907	3522	10651	2604	1073	3332	2405	9414	1436	1139	1637	2511	6723
Mackerels	1	3	24	53	81	63	4	3	62	132	16	2	0	6	24
Tunnies	391	94	41	892	1418	665	171	407	1447	2690	867	829	519	1210	3425
Penaeid prawns	3085	1809	2402	8512	15808	2879	1866	3594	6306	14645	5412	2098	2965	9392	19867
Non-penaeid prawns	1699	1636	44	4561	7940	5223	5567	723	21025	32538	3646	6580	3690	26235	40151
Cephalopods	1381	527	12	940	2860	3617	1523	309	1894	7343	1529	2028	39	1853	5449
Others	28449	18702	6485	36349	89985	31499	20004	13128	49545	114176	38182	19764	8157	53443	119546
Total	55837	37422	17618	96486	207363	69854	47203	62737	147470	327264	86871	46898	27588	176320	337677

Name of fish	1991					1992					1993				
	1 QR	2 QR	3QR	4 QR	TOTAL	1 QR	2QR	3 QR	4QR	TOTAL	1QR	2QR	3 QR	4QR	TOTAL
Catfishes	3687	2025	1032	4198	10942	3957	4000	1195	2684	11836	3217	3302	1745	4674	12938
Oil sardine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stolephorus</i>	0	0	0	20	20	0	0	0	0	0	0	0	0	0	0
Bombayduck	14953	8320	2050	51704	77027	9272	8761	5827	58475	82335	18837	5019	6932	30366	61154
Perches	1686	961	239	6475	9361	2649	756	422	5399	9226	2297	880	1444	7668	12289
Croakers	19237	8566	4610	38461	70874	27699	16065	6547	35220	85531	17384	9284	7349	36375	70392
Carangids	1038	1113	1148	3318	6617	1223	589	649	2211	4672	1062	1175	1147	2131	5515
Silverbellies	41	113	16	2655	2825	1681	589	182	512	2964	269	352	9	594	1224
Pomfrets	2444	1136	2841	3594	10015	2411	1673	2611	2736	9431	1321	1126	2594	5881	10922
Mackerels	0	7	5	150	162	134	28	19	218	399	16	55	20	191	282
Tunnies	2165	1183	334	2118	5800	1616	123	328	1333	3400	6147	1038	333	1986	9504
Penaeid prawns	5097	1808	3907	15564	26376	9382	2917	2589	15092	29980	3572	2773	3063	10743	20151
Non-penaeid prawns	13982	10320	255	27319	51876	17460	11745	3278	21401	53884	9743	10953	1074	14759	36529
Cephalopods	3516	2695	54	7005	13270	5199	3399	206	4602	13406	2821	1475	1311	8923	14530
Others	45717	23887	9873	75952	155429	54751	28609	12201	60110	155671	35343	29583	12092	70630	147648
Total	113563	62134	26364	238533	440594	137434	79254	36054	209993	462735	102029	67015	39113	194921	403078