

MALAYSIA
BILANGAN NELAYAN YANG BEKERJA DI ATAS BOT-BOT BERLESEN 1989
NUMBER OF FISHERMEN WORKING IN LICENSED BOATS, 1989

JADUAL (TABLE) 1.1

Negeri/State Keturunan/ Ethnic Group	Pantai Barat/West Coast									Pantai Timur/East Coast					Sarawak	Sabah	W.P. Labuan, Federal Territory	Jumlah Kecil Sub-Total	Jumlah Besar Grand Total
	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor D.Ehsan	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore	Jumlah Kecil Sub-Total	Kelantan	Terengganu	Pahang Darul Makmur	Johor Timur East Johore	Jumlah Kecil Sub-Total					
Bumiputera Bumiputras	2,161	6,711	2,262	2,097	938	167	1,296	2,412	18,044	3,529	7,995	3,833	2,506	17,863	10,492	10,680	310	21,482	57,389
Cina Chinese	260	792	2,800	8,787	4,914	266	412	2,195	20,426	8	27	497	1,485	2,017	1,815	1,910	9	3,734	28,177
India Indians	0	0	57	271	77	40	1	6	452	0	0	0	2	2	0	0	0	0	454
Portugis Portuguese	0	0	0	0	0	2	96	0	98	0	0	0	0	0	0	0	0	0	98
Thai Thais	1,723	747	0	0	0	0	1	6	2,477	0	0	888	0	888	0	0	0	0	3,365
Indonesia Indonesians	0	0	0	0	0	13	82	0	95	0	0	0	0	0	0	1,680	0	1,680	1,775
Lain-lain Others	2	0	0	0	18	0	0	170	190	0	0	26	2	28	51	3,980	38	4,069	4,287
Jumlah Besar Grand Total	4,148	8,250	5,119	11,155	5,947	488	1,888	4,789	41,782	3,537	8,022	5,244	3,995	20,798	12,358	18,250	357	30,985	93,545

MALAYSIA
BILANGAN NELAYAN BEKERJA DI ATAS BOT-BOT BERLESEN MENGIKUT KUMPULAN PERKAKAS DAN NEGERI, 1989
NUMBER OF FISHERMEN WORKING IN LICENSED BOATS BY GEAR GROUP AND STATE, 1989

JADUAL (TABLE) 1.2

Negeri/State Kumpulan Perkakas/ Gear Group	Perlis	Kedah	P.Pinang Penang	Perak	Selangor Darul Ehsan	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore	Kelantan	Terengganu	Pahang Darul Makmur	Johor Timur East Johore	Jumlah Kecil Sub- Total	Sarawak	Sabah	W.P. Labuan	Jumlah Kecil Sub- Total	Jumlah Besar Grand Total
Pukat Tunda/Trawl Nets	849	2,010	424	3,799	1,331	0	0	817	424	972	1,372	1,225	13,223	4,745	6,000	12	10,757	23,960
Pukat Tarik/Seine Nets:																		
Pukat Jerut Ikan																		
Purse Seine-Fish	2,360	286	485	863	298	0	0	0	896	2,530	1,784	713	10,215	282	2,460	40	2,782	12,997
Pukat Jerut Bilis	0	2,217	0	218	0	0	0	0	35	418	268	0	3,156	0	0	0	0	3,156
Purse Seine-Anchovy																		
Lain-Lain/Other Seines	6	135	583	1,487	23	9	21	31	95	57	9	4	2,460	11	0	0	11	2,471
Pukat Hanyut	892	3,377	3,283	3,650	3,441	416	1,660	3,255	1,385	1,134	588	1,586	24,667	5,032	4,755	146	9,933	34,600
Gill/Drift Nets																		
Pukat Tangguk/Lift Nets	9	83	0	0	3	0	0	2	123	167	166	11	564	44	1,110	0	1,154	1,718
Perangkap/Traps:																		
Belat-Belat (Stationary)	0	1	1	0	2	0	5	49	0	0	0	21	79	129	255	27	411	490
Bubu (Portable)	0	4	73	154	0	30	0	216	51	462	420	54	1,464	134	260	9	403	1,867
Pancing/Hooks & Lines	30	52	136	389	169	23	187	131	528	2,184	595	289	4,713	269	2,110	103	2,482	7,195
Pukat Bakul/Bag Nets	0	39	116	180	412	0	0	111	0	0	0	16	874	1,096	0	0	1,096	1,970
Pukat Surung	0	0	6	10	0	0	0	28	0	0	0	0	44	243	0	20	263	307
Push/Scoop Nets																		
Pukat Rentang	0	39	0	0	43	0	12	54	0	0	0	10	158	360	0	0	360	518
Barrier Nets																		
Memungut Siput	0	0	0	202	4	5	0	93	0	0	0	0	304	0	0	0	0	304
Shellfish Collection																		
Pembawa Ikan	0	0	4	2	201	0	0	0	0	98	38	6	349	0	0	0	0	349
Fish Carriers																		
Rampaian/Miscellaneous	0	7	8	201	20	5	3	2	0	0	4	60	310	13	1,300	0	1,313	1,623
Jumlah/Total	4,146	8,250	5,119	11,155	5,947	488	1,888	4,789	3,537	8,022	5,244	3,995	62,580	12,358	18,250	357	30,965	93,545

JADUAL (TABLE) 1.3

MALAYSIA
BILANGAN NELAYAN YANG BEKERJA DIATAS BOT YANG DILESENKAN MENGIKUT
DAERAH-DAERAH PERIKANAN, 1989
NUMBER OF FISHERMEN WORKING IN LICENSED FISHING BOATS BY FISHERIES DISTRICTS

Daerah-Daerah Perikanan (Fisheries Districts)	Nelayan-Nelayan/Fishermen				
	Bumiputera Bumiputeras	Cina Chinese	India Indians	Lain-Lain Others	Jumlah Total
SEM. MALAYSIA/PEN. MALAYSIA					
1) Kuala Perlis	2,161	260	0	1,725	4,146
2) Langkawi	1,751	16	0	726	2,493
3) Kedah Utara	2,388	622	0	14	3,024
4) Kedah Selatan	2,572	154	0	7	2,733
5) Timur Laut/P.Pinang	362	533	21	0	916
6) Barat Daya/P.Pinang	593	998	5	0	1,596
7) Seberang Prai Utara	730	231	6	0	967
8) Seberang Prai Tengah	232	95	0	0	327
9) Seberang Prai Selatan	345	943	25	0	1,313
10) Krian	483	2,159	6	0	2,648
11) Larut & Matang	350	2,410	5	0	2,765
12) Manjong	978	2,345	259	0	3,582
13) Hilir Perak	286	1,873	1	0	2,160
14) Selangor Utara	225	1,797	5	0	2,027
15) Selangor Tengah	230	962	13	0	1,205
16) Pelabuhan Klang I	0	1,070	0	0	1,070
17) Pelabuhan Klang II	214	616	8	0	838
18) Selangor Selatan	269	469	51	18	807
19) Port Dickson	167	266	40	15	488
20) Melaka	1,296	412	1	179	1,888
21) Muar	508	425	2	0	935
22) Batu Pahat	205	534	0	75	814
23) Pontian	491	927	0	13	1,431
24) Johor Bahru	1,208	309	4	88	1,609
25) Pengerang (Kota Tinggi)	464	430	1	2	897
26) Sedeli	687	342	1	0	1,030
27) Mersing	1,355	713	0	0	2,068
28) Kuantan	2,113	207	0	914	3,234
29) Pekan	1,167	63	0	0	1,230
30) Kuala Rompin	553	227	0	0	780
31) Kemaman	1,520	1	0	0	1,521
32) Dungun	1,067	4	0	0	1,071
33) Marang	853	0	0	0	853
34) Kuala Terengganu Utara	967	0	0	0	967
35) Kuala Terengganu Selatan	1,507	9	0	0	1,516
36) Besut	1,631	0	0	0	1,631
37) Setiu	450	13	0	0	463
38) Kota Bharu	1,400	1	0	0	1,401
39) Bachok & Pasir Putih	1,161	1	0	0	1,162
40) Tumpat	968	6	0	0	974
Jumlah Kecil/Sub-Total	35,907	22,443	454	3,776	62,580

Samb. (Cont'd) Jadual (Table) 1.3

Daerah-Daerah Perikanan (Fisheries Districts)	Nelayan-Nelayan/Fishermen				Jumlah Total
	Bumiputera Bumiputeras	Cina Chinese	India Indians	Lain-Lain Others	
SARAWAK					
1) B. Kuching	1,180	699	0	0	1,879
2) Santubong	617	43	0	0	660
3) Pendam (Sadong Jaya)	734	17	0	0	751
4) Sematan	250	27	0	0	277
5) Batang Lupar	1,125	24	0	0	1,149
6) Saribas/Kalaka	859	30	0	0	889
7) Sibulgan	598	498	0	0	1,096
8) Sarikei/Bitangor	364	117	0	0	481
9) Mukah/Oya	1,176	21	0	0	1,197
10) Belawai	668	14	0	0	682
11) Matu Daro	783	40	0	0	823
12) Bintulu	633	64	0	23	720
13) Miri	912	221	0	28	1,161
14) Limbang	46	0	0	0	46
15) Lawas	547	0	0	0	547
Jumlah Kecil/Sub-Total	10,492	1,815	0	51	12,358
SABAH					
1) Tawau	540	150	0	210	900
2) Sempoma	3,500	40	0	2,660	6,200
3) Kunak	135	15	0	50	200
4) Lahad Datu	270	10	0	220	500
5) Sandakan	800	1,000	0	900	2,700
6) Baluran	700	100	0	200	1,000
7) Kudat	1,600	200	0	800	2,600
8) Kota Marudu	85	15	0	150	250
9) Kota Belut	600	0	0	0	600
10) Tuaran	750	50	0	0	800
11) Kota Kinabalu	400	150	0	350	900
12) Papar	450	30	0	70	550
13) Beaufort	450	100	0	50	600
14) Kuala Penyu	200	50	0	0	250
15) Sipitang	200	0	0	0	200
Jumlah Kecil/Sub-Total	10,680	1,910	0	5,660	18,250
WIL. PER. LABUAN/LABUAN F.T.					
1) Kg. Bebuloh	65	5	0	0	70
2) Kg. Ranca-Ranca	30	1	0	2	33
3) Kg. Lubok Temiang	26	0	0	0	26
4) Kg. Batu Manikar	10	0	0	0	10
5) Kg. Tg. Aru	8	0	0	0	8
6) Kg. Miri/Lada/Pagar	13	0	0	0	13
7) Kg. Patau-Patau	41	0	0	8	49
8) Lain-Lain Kampong	117	3	0	28	148
Jumlah Kecil/Sub-Total	310	9	0	38	357
Jumlah Besar/Grand Total	57,389	26,177	454	9,525	93,545

JADUAL (TABLE) 2.1

MALAYSIA
 BILANGAN BOT MENANGKAP IKAN YANG DILESENKAN MENGIKUT NEGERI DAN KELAS MUATAN, 1989
 NUMBER OF LICENSED FISHING BOATS BY STATE AND TONNAGE CLASS, 1989

Jenis/Type Negeri/State	Jumlah Total	Bot Tiada Berjentera Non-Powered	Bot Berjentera Sangkut Outboard-Powered	BOT BERJENTERA DALAM/INBOARD-POWERED								
				Jumlah Kecil Sub-Total	0-4.9 GRT	5-9.9 GRT	10-14.9 GRT	15-19.9 GRT	20-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Ke atas (& Above)
Pantai Barat/West Coast:												
Perlis	788	1	194	593	169	62	61	79	41	100	50	31
Kedah	2,499	15	1,133	1,351	526	211	53	62	72	205	141	81
Pulau Pinang/Penang	2,311	68	1,368	875	275	420	6	7	6	115	36	10
Perak	5,183	179	1,049	3,955	973	1,216	638	480	155	142	288	63
Selangor	2,801	114	462	2,225	94	1,434	234	128	35	188	106	6
Negeri Sembilan	231	19	158	54	7	44	3	0	0	0	0	0
Melaka/Malacca	938	76	609	253	17	236	0	0	0	0	0	0
Johor Barat/West Johore	2,586	192	1,308	1,086	199	604	70	160	40	11	0	2
Jumlah/Total	17,337	664	6,281	10,392	2,260	4,227	1,065	916	349	761	621	193
Pantai Timur/East Coast:												
Kelantan	1,251	15	253	983	420	143	188	116	22	45	19	30
Terengganu	2,260	34	14	2,212	353	720	525	360	85	84	52	33
Pahang	1,078	32	64	982	103	400	183	42	9	69	65	111
Johor Timur/East Johore	1,533	61	534	938	129	298	129	30	23	110	175	44
Jumlah/Total	6,122	142	865	5,115	1,005	1,561	1,025	548	139	308	311	218
Malaysia:												
Semenanjung Malaysia/ Peninsular Malaysia	23,459	806	7,146	15,507	3,265	5,788	2,090	1,464	488	1,069	932	411
Sarawak	7,165	52	1,782	5,331	2,442	1,301	702	267	208	136	167	108
Sabah	9,200	800	5,000	3,400	422	930	1,000	445	300	170	90	43
W. Persekutuan Labuan/ Labuan, F.Territory	146	0	135	11	0	0	0	3	0	3	2	3
Jumlah/Total	39,970	1,658	14,063	24,249	6,129	8,019	3,792	2,179	996	1,378	1,191	565

JADUAL (TABLE) 2.2

MALAYSIA
BILANGAN BOT MENANGKAP IKAN YANG DILESENKAN MENGIKUT NEGERI DAN KUASA KUDA, 1989
NUMBER OF LICENSED FISHING BOATS BY STATE AND HORSEPOWER, 1989

Negeri/State Kuasa Kuda/Horsepower Of Engine	Perlis	Kedah	P.Pinang Penang	Perak	Selangor D.E.	Negeri Sembilan	Melaka Malacca	Johor Barat W.Johore	Jumlah Kecil Sub-Total	Kelantan	Terengganu	Pahang	Johor Timur E.Johore	Jumlah Kecil Sub-Total	Sarawak	Sabah	W.P. Labuan	Jumlah Kecil Sub-Total	Jumlah Besar Grand-Total
Enjin Dalam/Inboard-Powered																			
Kurang dari 5 k.k. (under 5 h.p.)	1	50	5	37	3	0	2	24	122	71	74	7	3	155	1,379	200	0	1,579	1,856
5 - 9 k.k. (h.p.)	47	194	25	126	9	0	31	71	503	315	204	23	22	564	1,520	530	0	2,050	3,117
10 - 19 "	119	306	136	320	311	17	147	247	1,603	113	467	177	209	966	731	330	3	1,064	3,633
20 - 39 "	81	181	198	657	1,092	32	73	338	2,652	328	1,091	496	293	2,208	850	630	3	1,483	6,343
40 - 59 "	73	51	203	1,837	23	1	0	56	2,244	27	149	11	14	201	286	615	2	903	3,348
60 - 99 "	21	28	135	275	45	4	0	94	602	19	96	11	29	155	246	310	3	559	1,316
100 - 149 "	42	69	16	101	313	0	0	109	650	38	31	28	37	134	104	285	0	389	1,173
150 - 249 "	155	290	131	352	185	0	0	114	1,227	35	48	82	186	351	128	380	0	508	2,086
250 k.k. ke atas (250 h.p. & above)	54	182	26	250	244	0	0	33	789	37	52	147	145	381	87	120	0	207	1,377
Jumlah Kecil (Sub-Total)	593	1,351	875	3,955	2,225	54	253	1,086	10,392	983	2,212	982	938	5,115	5,331	3,400	11	8,742	24,249
Enjin Sangkut/Outboard-Powered																			
Kurang dari 5 k.k. (under 5 h.p.)	25	212	494	554	113	46	131	462	2,037	181	3	12	147	343	377	230	0	607	2,987
5 - 9 k.k. (h.p.)	167	856	422	310	264	80	353	593	3,045	68	10	51	252	381	350	1,530	28	1,908	5,334
10 - 19 "	1	57	257	111	53	21	102	127	729	2	0	1	61	64	97	1,600	11	1,708	2,501
20 - 39 "	1	8	188	73	32	11	22	103	438	2	0	0	63	65	443	1,390	60	1,893	2,396
40 - 59 "	0	0	7	1	0	0	1	23	32	0	1	0	11	12	511	235	36	782	826
60 - 99 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	15	0	19	19
100 - 149 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 - 249 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 k.k. ke atas (250 h.p. & above)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jumlah Kecil (Sub-Total)	194	1,133	1,368	1,049	462	158	609	1,308	6,281	253	14	64	534	865	1,782	5,000	135	6,917	14,063
Jumlah Besar (Grand Total)	787	2,484	2,243	5,004	2,687	212	862	2,394	16,673	1,236	2,226	1,046	1,472	5,980	7,113	8,400	146	15,659	38,312

MALAYSIA
BILANGAN BOT IKAN YANG BERLESEN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN KELAS MUATAN, 1989
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE CLASS, 1989

JADUAL (TABLE) 2.3

Jenis Dan Kelas Muatan/ Type And Tonnage Class	Jumlah Besar Grand Total	Tiada Berjentera Non-Powered	Berjentera Sangkut Out-Board Powered	BOT BERJENTERA DALAM/INBOARD POWERED BOAT (SEM. MALAYSIA/PEN. MALAYSIA)										BILANGAN BOT/NO. OF BOATS		
				Jumlah Kecil Sub-Total	0 - 4.99 GRT	5 - 9.99 GRT	10 -14.99 GRT	15 - 19.99 GRT	20 - 24.99 GRT	25 - 39.99 GRT	40 - 69.99 GRT	70 GRT & ke atas (& Above)	SARAWAK	SABAH	W.P. LABUAN	
Kumpulan Perkakas/ Gear Group																
Pukat Tunda/Trawl Nets	7,142	0	0	4,332	41	310	904	980	363	876	621	237	1,010	1,800	0	
Pukat Tarik/Seine Nets:																
Pukat Jerut Ikan	821	0	0	647	0	8	28	51	39	146	273	102	22	152	0	
Purse Seine-Fish																
Pukat Jerut Bilis	174	0	0	174	0	12	36	23	7	8	27	61	0	0	0	
Purse Seine-Anchovy																
Lain-Lain/Other Seines	1,025	34	247	733	203	502	7	4	3	1	6	7	11	0	0	
Pukat Hanyut	20,981	448	5,927	6,772	2,231	3,766	579	153	25	14	1	3	4,792	3,042	0	
Gill/Drift Nets																
Pukat Tangguk/Lift Nets	861	1	31	124	25	53	38	7	0	1	0	0	23	682	0	
Perangkap/Traps:																
Belat-Belat (Stationary)	334	5	32	9	2	6	1	0	0	0	0	0	48	240	0	
Bubu (Portable)	623	14	102	385	24	158	121	47	25	9	1	0	122	0	0	
Pancing/Hooks & Lines	4,435	60	409	1,705	393	726	355	199	22	8	1	1	168	2,073	0	
Pukat Bakul/Bag Nets	1,187	7	95	383	204	178	0	0	1	0	0	0	702	0	0	
Pukat Surung	93	5	32	4	4	0	0	0	0	0	0	0	52	0	0	
Push/Scoop Nets																
Pukat Rentang	289	12	59	16	0	14	2	0	0	0	0	0	202	0	0	
Barrier Nets																
Memungut Siput	215	34	45	136	119	17	0	0	0	0	0	0	0	0	0	
Shellfish Collection																
Pembawa Ikan	210	109	24	77	14	36	19	0	3	5	0	0	0	0	0	
Fish Carriers																
Rampaian/Miscellaneous	1,580	57	143	10	5	2	0	0	0	1	2	0	13	1,211	146	
Jumlah/Total	39,970	806	7,146	15,507	3,265	5,788	2,090	1,464	488	1,069	932	411	7,165	9,200	146	

* Data pecahan tidak diperolehi
Breakdown figures not available

+ GRT - Gross Relative Tonnage

JADUAL (TABLE) 2.4

MALAYSIA
 BILANGAN BOT MENANGKAP IKAN YANG DILESENKAN MENGIKUT
 DAERAH-DAERAH PERIKANAN, 1989
 NUMBER OF LICENSED FISHING BOATS BY FISHERIES DISTRICTS, 1989

Daerah-Daerah Perikanan (Fisheries Districts)	Bot-Bot (Fishing Boats)			Jumlah Total
	Berjentera Dalam Inboard	Berjentera Sangkut Outboard	Tidak Berjentera Non-Powered	
SEM. MALAYSIA/PEN. MALAYSIA				
1) Kuala Perlis	593	194	1	788
2) Langkawi	275	412	2	689
3) Kedah Utara	801	222	6	1,029
4) Kedah Selatan	275	499	7	781
5) Timur Laut/P.Pinang	107	287	11	405
6) Barat Daya/P.Pinang	239	550	13	802
7) Seberang Prai Utara	245	152	23	420
8) Seberang Prai Tengah	25	175	14	214
9) Seberang Prai Selatan	259	204	7	470
10) Krian	1,067	258	43	1,368
11) Larut & Matang	1,228	203	45	1,476
12) Manjong	936	414	61	1,411
13) Hilir Perak	724	174	30	928
14) Selangor Utara	662	146	2	810
15) Selangor Tengah	541	30	17	588
16) Pelabuhan Klang I	522	3	2	527
17) Pelabuhan Klang II	242	126	77	445
18) Selangor Selatan	258	157	16	431
19) Port Dickson	54	158	19	231
20) Melaka	253	609	76	938
21) Muar	249	251	61	561
22) Batu Pahat	309	97	13	419
23) Pontian	509	271	34	814
24) Johor Bahru	19	689	84	792
25) Pengerang (Kota Tinggi)	152	491	57	700
26) Sedeli	265	37	2	304
27) Mersing	521	6	2	529
28) Kuantan	430	8	19	457
29) Pekan	366	52	13	431
30) Kuala Rompin	186	4	0	190
31) Kemaman	461	0	11	472
32) Dungun	355	1	4	360
33) Marang	243	6	8	257
34) Kuala Terengganu Utara	309	1	7	317
35) Kuala Terengganu Selatan	378	4	2	384
36) Besut	323	1	1	325
37) Setiu	143	1	1	145
38) Kota Bharu	219	152	7	378
39) Bachok & Pasir Putih	327	32	7	366
40) Tumpat	437	69	1	507
Jumlah Kecil/Sub-Total	15,507	7,146	806	23,459

Samb. (Cont'd) Jadual (Table) 2.4

Daerah-Daerah Perikanan (Fisheries Districts)	Bot-Bot (Fishing Boats)			Jumlah Total
	Berjentera Dalam Inboard	Berjentera Sangkut Outboard	Tidak Berjentera Non-Powered	
SARAWAK				
1) B. Kuching	365	29	9	403
2) Santubong	471	156	7	634
3) Pendam (Sadong Jaya)	566	147	5	718
4) Sematan	124	46	0	170
5) Batang Lupar	825	111	2	938
6) Saribas/Kalaka	842	101	5	948
7) Sibulgan	283	21	3	307
8) Sarikei/Bitangor	206	38	1	245
9) Mukah/Oya	293	161	4	458
10) Belawai	378	24	1	403
11) Matu Daro	597	101	5	703
12) Bintulu	160	97	0	257
13) Miri	221	167	10	398
14) Limbang	0	57	0	57
15) Lawas	0	526	0	526
Jumlah Kecil/Sub-Total	5,331	1,782	52	7,165
SABAH				
1) Tawau	150	431	0	581
2) Sempoma	1,150	889	335	2,374
3) Kunak	20	160	30	210
4) Lahad Datu	56	350	35	441
5) Sandakan	1,000	300	100	1,400
6) Baluran	200	70	30	300
7) Kudat	450	750	100	1,300
8) Kota Marudu	65	55	10	130
9) Kota Belut	20	442	30	492
10) Tuaran	10	260	50	320
11) Kota Kinabalu	200	415	10	625
12) Papar	7	410	20	437
13) Beaufort	34	268	0	302
14) Kuala Penyu	30	100	10	140
15) Sipitang	8	100	40	148
Jumlah Kecil/Sub-Total	3,400	5,000	800	9,200
WIL. PER. LABUAN/LABUAN F.T.				
1) Kg. Bebuloh	0	35	0	35
2) Kg. Ranca-Ranca	1	5	0	6
3) Kg. Lubok Temiang	0	9	0	9
4) Kg. Batu Manikar	0	4	0	4
5) Kg. Tg. Aru	0	4	0	4
6) Kg. Miri/Lada/Pagar	0	7	0	7
7) Kg. Patau-Patau	0	20	0	20
8) Lain-Lain Kampong	10	51	0	61
Jumlah Kecil/Sub-Total	11	135	0	146
Jumlah Besar/Grand Total	24,249	14,063	1,658	39,970

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN BOT YANG DILESENKAN DAN BILANGAN NELAYAN
YANG BEKERJA DIBOT-BOT BERLESEN, 1969 - 1989
NUMBER OF FISHING BOATS LICENSED AND NUMBER OF FISHERMEN
OPERATING LICENSED BOATS, 1969 - 1989

JADUAL (TABLE) 2.5

Tahun Year	Bilangan Bot-Bot Yang Dilesenkan Number Of Fishing Boats Licensed				Bilangan Nelayan-Nelayan Number of Fishermen				
	Berjentera Dalam Inboard	Berjentera Sangkut Outboard	Tidak Berjentera Non-Powered	Jumlah Total	Melayu Malays	Cina Chinese	India Indians	Lain-Lain Others	Jumlah Total
1969	11,399	2,177	5,608	19,184	34,845	28,258	160	351	63,614
1970	12,865	2,164	5,277	20,306	36,472	31,078	253	351	68,154
1971	14,284	2,036	4,821	21,141	36,295	31,096	256	314	67,961
1972	14,945	2,009	4,665	21,619	38,589	29,892	310	461	69,252
1973	15,596	2,004	4,567	22,167	38,048	29,192	342	726	68,308
1974	16,205	2,100	4,072	22,377	38,973	30,619	424	789	70,805
1975	16,081	2,138	3,928	22,147	40,335	31,992	452	525	73,304
1976	16,142	2,342	4,151	22,635	41,997	30,479	450	610	73,536
1977	16,977	2,775	4,329	24,081	44,373	30,131	541	600	75,645
1978	17,775	3,684	6,038	27,497	51,265	30,980	637	812	83,694
1979	17,741	5,156	6,256	29,153	50,816	30,323	528	1,259	82,926
1980	18,433	6,585	5,502	30,520	55,008	31,802	410	1,752	88,972
1981	18,585	7,368	4,437	30,390	54,538	30,084	609	1,694	86,925
1982	17,875	7,246	2,620	27,741	49,232	28,306	739	1,960	80,237
1983	16,285	7,202	2,208	25,695	47,322	25,238	534	2,496	75,590
1984	16,533	7,458	1,682	25,673	48,616	25,077	564	2,111	76,368
1985	15,324	6,751	1,296	23,371	42,620	23,532	471	2,907	69,530
1986	14,626	6,864	986	22,476	34,269	21,357	448	3,378	59,452
1987	14,822	6,430	886	22,138	33,815	21,634	394	4,726	60,569
1988	14,760	5,832	749	21,341	32,386	21,367	409	4,121	58,283
1989	15,507	7,146	806	23,459	35,907	22,443	454	3,776	62,580

MALAYSIA
BILANGAN PERKAKAS YANG DILESENKAN MENGIKUT NEGERI, 1989
NUMBER OF LICENSED FISHING GEARS BY STATE, 1989

JADUAL (TABLE) 3.1

Kumpulan Perkakas Gear Group	Pukat Tunda Trawl Nets	Pukat-Pukat Tarik Seine Nets			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-Perangkap Traps		Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Sliput Shellfish Collection	Rampaihan Miscellaneous	Jumlah Total
		Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy	Lain-Lain Other Seines			Belat-Belat Stationary	Bubu Portable							
Pantai Barat/West Coast:															
Perlis	238	107	0	2	427	4	0	0	10	0	0	0	0	0	788
Kedah	546	18	76	41	1,690	34	1	1	31	36	20	0	0	5	2,499
Pulau Pinang/Penang	121	44	0	141	1,813	0	1	24	86	65	0	6	0	10	2,311
Perak	1,628	88	15	706	2,007	0	0	59	215	120	0	7	162	176	5,183
Selangor	493	30	0	9	1,854	1	1	0	98	188	14	0	4	109	2,801
Negeri Sembilan	0	0	0	4	206	0	0	7	10	0	0	0	2	2	231
Melaka/Malacca	0	0	0	11	834	0	2	0	85	0	4	0	0	2	938
Johor Barat/West Johore	305	0	0	16	1,882	1	31	104	71	60	39	28	47	2	2,586
Jumlah Kecil/Sub-Total	3,331	287	91	930	10,713	40	36	195	606	469	77	41	215	306	17,337
Pantai Timur/East Coast:															
Kelantan	103	51	9	65	724	36	0	9	254	0	0	0	0	0	1,251
Terengganu	282	188	56	15	477	44	0	142	985	0	0	0	0	71	2,260
Pahang	310	63	18	3	265	32	0	131	218	0	0	0	0	38	1,078
Johor Timur/East Johore	307	58	0	1	968	4	10	24	131	16	10	0	0	4	1,533
Jumlah Kecil/Sub-Total	1,002	360	83	84	2,434	116	10	306	1,588	16	10	0	0	113	6,122
Sarawak	1,010	23	0	11	5,032	0	86	134	269	913	360	104	0	13	7,955
Sabah	1,040	80	0	0	627	211	91	60	409	0	0	0	0	169	2,687
W.P. Labuan	1	2	0	0	77	0	12	17	40	0	0	7	0	0	156
Jumlah Kecil/Sub-Total	2,051	105	0	11	5,736	211	189	211	718	913	360	111	0	182	10,798
Jumlah Besar/Grand Total	6,384	752	174	1,025	18,883	367	235	712	2,912	1,398	447	152	215	601	34,257

SEMENANJUNG MALAYSIA/ PENINSULAR MALAYSIA
 ANGGARAN PERKAKAS-PERKAKAS MENANGKAP IKAN YANG DIUSAHAKAN MENGIKUT NEGERI, 1989
 ESTIMATED NUMBER OF FISHING GEARS IN OPERATION BY STATE, 1989

JADUAL (TABLE) 3.2

Kumpulan Perkakas Gear Group	Pukat Tunda Trawl Nets	Pukat-Pukat Tarik Seine Nets			Pukat Hanyut Drift/Gill Nets	Pukat Tungguk Lift Nets	Perangkap-Perangkap Traps		Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Miscellaneous	Total
		Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy	Lain-Lain Other Seines			Belat-Belat Stationary	Bubu Portable							
Negeri State															
Pantai Barat/West Coast:															
Perlis	402	108	0	10	436	0	4	0	10	0	16	5	0	5	996
Kedah	615	11	73	55	1,305	23	0	0	92	90	40	0	1	77	2,382
Pulau Pinang/Penang	92	30	0	133	1,610	0	0	15	51	113	0	34	10	17	2,105
Perak	1,869	56	13	478	1,719	0	0	55	231	119	74	129	34	150	4,927
Selangor Darul Ehsan	1,123	12	0	14	1,262	0	8	20	90	178	25	39	4	82	2,857
Negeri Sembilan	0	0	0	5	153	0	0	8	7	0	0	0	0	4	177
Melaka/Malacca	0	0	0	7	665	0	2	0	106	0	1	206	0	0	987
Johor Barat/West Johore	367	0	0	8	1,238	0	15	16	12	37	1	122	0	11	1,827
Jumlah Kecil/Sub-Total	4,468	217	86	710	8,388	23	29	114	599	537	157	535	49	346	16,258
Pantai Timur/East Coast:															
Kelantan	227	221	0	0	281	18	0	14	215	0	2	0	0	0	978
Terengganu	302	146	32	0	233	37	0	175	891	0	0	0	0	0	1,816
Pahang Darul Makmur	432	24	4	0	125	13	0	53	115	0	0	0	0	0	766
Johor Timur/East Johore	441	40	0	2	337	2	24	9	115	101	0	0	0	2	1,073
Jumlah Kecil/Sub-Total	1,402	431	36	2	976	70	24	251	1,336	101	2	0	0	2	4,633
Jumlah Besar/Grand-Total	5,870	648	122	712	9,364	93	53	365	1,935	638	159	535	49	348	20,891

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERKAKAS, 1989
LANDINGS OF MARINE FISH BY STATE AND GEAR GROUP 1989

JADUAL (TABLE) 4.1

Kumpulan Perkakas Gear Group	Pukat Tunda Trawi Nets	Pukat-Pukat Tarik Seine Nets			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-Perangkap Traps		Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Sliput Shellfish Collection	Rampalan Miscellaneous	Jumlah Total
		Pukat Jerut Ikan Purse Seine -Fish	Pukat Jerut Bilis Purse Seine -Anchovy	Lain-Lain Other Seines			Belat-Belat Stationary	Bubu Portable							
Pantai Barat (West Coast):															
Perlis	12,319	23,416	0	53	6,311	0	137	0	31	0	84	6	0	3	42,360
Kedah	50,616	2,608	14,079	280	6,747	53	0	0	133	538	213	0	320	28	75,615
Pulau Pinang/Penang	14,685	9,901	0	2,595	7,540	0	0	86	108	3,551	0	96	43	19	38,624
Perak	146,344	8,638	11,611	15,424	10,605	0	0	896	1,295	2,268	199	1,334	190	170	198,974
Selangor Darul Ehsan	62,206	866	0	77	3,584	0	386	40	830	20,389	378	265	229	23,396	112,646
Negeri Sembilan	0	0	0	7	176	0	0	23	13	0	0	0	0	2	221
Malaka/Malacca	0	0	0	10	1,184	0	6	0	497	0	3	289	0	0	1,989
Johor Barat/West Johore	12,682	0	0	33	3,770	0	114	69	90	2,109	3	34	0	1	18,905
Jumlah / Total:	298,852	45,429	25,690	18,479	39,917	53	643	1,114	2,997	28,855	880	2,024	782	23,619	489,334
Pantai Timur/East Coast:															
Kelantan	8,351	8,311	0	0	5,777	3,170	0	428	6,940	0	5	0	0	0	32,982
Terengganu	22,942	35,199	2,928	0	2,479	4,130	0	3,649	7,488	0	0	0	0	0	78,815
Pahang Darul Makmur	47,886	10,924	1,405	0	497	4,141	0	926	2,952	0	0	0	0	0	68,730
Johor Timur/East Johore	58,257	10,749	0	681	1,853	93	248	85	1,768	3,217	4	0	0	68	77,023
Jumlah / Total:	137,435	65,183	4,333	681	10,606	11,534	248	5,088	19,148	3,217	9	0	0	68	257,550
Malaysia:															
Semenanjung Malaysia/ Peninsular Malaysia	436,287	110,612	30,023	19,160	50,523	11,587	891	6,202	22,145	32,072	889	2,024	782	23,687	746,884
Sarawak	51,918	3,367	0	0	15,601	0	1,381	39	1,286	4,300	2,165	4,285	2	12	84,356
Sabah	13,291	8,894	0	0	6,324	2,046	1,402	476	3,476	0	0	0	0	8,091	44,000
W.Persekutuan Labuan/ Labuan, Federal Territory	2,019	552	0	0	2,918	0	40	33	1,681	0	0	0	0	9	7,252
Jumlah / Total:	503,515	123,425	30,023	19,160	75,366	13,633	3,714	6,750	28,588	36,372	3,054	6,309	784	31,799	882,492

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN NEGERI, 1989
LANDINGS OF MARINE FISH BY MONTH AND STATE, 1989

JADUAL (TABLE) 4.2

Bulan/Month	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah Tan M.
Negeri/State	January	February	March	April	May	June	July	August	September	October	November	December	Total Tonnes
Pantai Barat/West Coast:													
Perlis	3,574	3,797	3,744	4,278	4,006	3,896	2,983	2,691	3,053	3,962	3,656	2,720	42,360
Kedah	6,393	8,390	6,852	6,115	5,331	5,521	5,147	5,945	7,626	5,560	6,553	6,182	75,615
Pulau Pinang/Penang	2,202	3,436	3,613	2,818	2,897	3,661	4,282	3,455	3,352	3,057	2,948	2,903	38,624
Perak	13,611	10,906	19,028	13,101	16,516	22,226	17,924	17,757	17,771	17,519	17,432	15,183	198,974
Selangor Darul Ehsan	8,440	7,929	6,796	6,353	7,018	6,315	5,661	12,538	19,928	16,618	8,034	7,016	112,646
Negeri Sembilan	19	16	19	17	18	19	18	18	19	18	18	22	221
Melaka	140	175	115	131	162	197	188	189	162	193	182	155	1,989
Johor Barat/West Johore	1,509	1,653	1,902	1,441	1,375	1,806	1,492	1,191	1,331	1,554	1,875	1,776	18,905
Jumlah Kecil/Sub Total	35,888	36,302	42,069	34,254	37,323	43,641	37,695	43,784	53,242	48,481	40,698	35,957	489,334
Pantai Timur/East Coast:													
Kelantan	1,836	2,216	2,739	3,733	2,975	2,943	3,013	3,080	3,203	3,719	1,736	1,789	32,982
Terengganu	4,995	6,027	6,947	6,940	4,972	8,473	8,004	7,457	8,014	7,383	5,972	3,631	78,815
Pahang Darul Makmur	2,245	2,336	4,969	6,934	6,666	5,831	7,840	7,436	5,925	7,473	6,211	4,864	68,730
Johor Timur/East Johore	3,817	2,945	6,159	6,840	6,668	8,187	7,349	7,861	9,774	8,002	5,966	3,455	77,023
Jumlah Kecil/Sub Total	12,893	13,524	20,814	24,447	21,281	25,434	26,206	25,834	26,916	26,577	19,885	13,739	257,550
Malaysia:													
Semenanjung Malaysia/ Peninsular Malaysia	48,781	49,826	62,883	58,701	58,604	69,075	63,901	69,618	80,158	75,058	60,583	49,696	746,884
Sarawak	7,904	9,525	9,654	6,898	6,435	12,293	5,832	7,235	5,587	5,305	4,629	3,059	84,356
Sabah	3,516	3,335	3,595	3,788	3,568	3,894	3,850	3,678	3,709	3,714	3,692	3,661	44,000
W.Persekutuan Labuan/ Labuan Federal Territory	1,046	610	630	611	443	676	862	733	425	216	433	567	7,252
Jumlah Besar/Grand Total Tan M/Tonnes	61,247	63,296	76,762	69,998	69,050	85,938	74,445	81,264	89,879	84,293	69,337	56,983	882,492

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1989
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.3

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Bulan/Month	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Tan M. Total Tonnes
Kumpulan Perkakas Gear Group													
Pukat-Pukat Tunda Trawl Nets	32,113	28,258	36,862	33,268	34,820	43,793	37,365	39,366	42,715	38,195	37,957	31,575	436,287
P.P. Tarik/Seine Nets: Pukat Jerut Ikan P.Seine-Fish	6,014	7,525	11,036	11,589	10,274	10,960	10,684	9,612	9,647	10,355	7,831	5,085	110,612
Pukat Jerut Bilis P.Seine-Anchovy	1,620	3,089	2,698	2,293	2,247	2,156	3,770	2,770	3,616	2,487	1,848	1,429	30,023
Lain-Lain/Other Seines	1,415	1,137	1,665	1,348	1,378	1,686	1,760	1,733	1,664	1,996	1,602	1,776	19,160
Pukat-Pukat Hanyut Drift/Gill Nets	3,273	3,941	3,686	3,931	3,456	3,926	4,901	4,812	5,015	4,787	4,424	4,371	50,523
Pukat-Pukat Tangguk Lift Nets	127	464	1,775	1,625	1,759	1,190	1,101	1,354	995	1,024	132	41	11,587
Perangkap-Perangkap/Traps: Belat-Belat (Stationary)	55	63	60	81	49	74	68	63	76	164	107	31	891
Bubu (Portable)	373	469	473	545	362	428	517	682	904	701	445	303	6,202
Pancing/Hooks & Lines	1,418	1,542	1,715	2,105	2,222	2,162	2,132	2,100	2,237	1,934	1,226	1,352	22,145
Pukat-Pukat Bakul Bag Nets	2,056	3,094	2,641	1,623	1,837	2,403	1,323	2,056	3,082	4,875	3,867	3,215	32,072
Pukat-Pukat Rentang Barrier Nets	74	52	80	97	64	62	69	87	92	86	53	73	889
Pukat-Pukat Surung Push/Scoop Nets	158	119	148	152	109	159	171	182	225	231	152	218	2,024
Memungut Siput Shellfish Collection	62	57	28	19	12	28	26	24	25	140	159	202	782
Rampaian/Miscellaneous	23	16	16	25	15	48	14	4,777	9,865	8,083	780	25	23,687
Jumlah/Total	48,781	49,826	62,883	58,701	58,604	69,075	63,901	69,618	80,158	75,058	60,583	49,696	746,884

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN SPESIES IKAN, 1989
LANDINGS OF MARINE FISH BY STATE AND SPECIES, 1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.4

ISSCAAP GROUP NO.	Spesies Species	Pantai Barat West Coast								Jumlah	Pantai Timur East Coast				Jumlah	Sarawak	Sabah	W. P. Labuan	Jumlah Total	Jumlah Besar Grand- Total
	Nama Tempatan Local Name	Perlis	Kedah	P.Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	J.Barat W.Johore		Total	Kelantan	Terengganu	Pahang						
24	Kebasi/Selangat	636	567	219	653	19	1	33	236	2,364	0	0	41	433	474	149	0	0	149	2,987
	Puput/B. Mata/Tirok	0	164	105	1,850	1,868	1	38	406	4,432	0	0	50	9	59	1,532	0	31	1,563	6,054
	Terubok	0	0	0	49	0	0	0	0	49	0	0	0	0	0	765	0	0	765	814
25	Slakap	0	0	2	27	3	2	0	0	34	0	0	8	0	8	85	334	6	425	467
31	Udah	330	349	105	181	160	0	0	56	1,181	20	70	34	41	165	41	0	7	48	1,394
	Sebelah	0	21	0	181	74	0	0	2	278	114	106	92	187	499	13	158	30	201	978
33	Bayan	0	0	0	0	0	0	0	0	0	0	20	17	5	42	0	827	0	827	869
	Blji Nangka	0	1	44	2,421	14	0	0	90	2,570	546	870	177	105	1,698	27	0	322	349	4,617
	Daun Baharu	0	0	0	59	26	2	2	5	94	15	14	11	48	88	24	0	21	45	227
	Delah/Pinang-Pinang	0	0	0	8	3	0	0	0	11	0	81	24	79	184	0	629	109	738	933
	Duri/Pulutan/Utik	76	618	464	1,599	573	6	96	317	3,749	369	851	427	790	2,437	2,298	810	88	3,196	9,382
	Dengkil/Debam	0	0	0	105	2	0	0	0	107	129	224	84	78	515	0	717	152	869	1,491
	Gelama/Tengkerong/Selampai	682	766	897	2,246	1,861	3	31	598	7,084	1,318	684	141	761	2,904	3,786	884	114	4,784	14,772
	Gerut-Gerut	60	80	23	472	77	1	6	15	734	170	62	5	2	239	60	0	35	95	1,068
	Jenahak	12	53	20	278	78	22	92	88	643	0	0	1	3	4	43	0	1	44	691
	Kaci	0	0	2	47	7	0	3	1	60	0	87	87	112	286	14	625	19	658	1,004
	Kerapu	58	252	90	1,345	51	4	12	17	1,829	179	631	184	312	1,306	104	752	385	1,241	4,376
	Kerisi	238	1,807	122	6,126	234	0	0	0	8,527	2,137	5,678	3,509	2,499	13,823	127	1,580	154	1,861	24,211
	Kerisi Ball	0	0	8	640	8	0	0	0	656	0	187	312	62	561	6	0	0	6	1,223
	Kikek	98	0	0	248	1	0	0	0	347	508	66	86	68	728	49	757	80	886	1,961
	Maiong	71	250	51	247	468	0	16	509	1,612	0	40	51	15	106	1,157	0	0	1,157	2,875
	Merah	0	39	28	1,287	60	1	11	11	1,437	683	1,373	215	396	2,667	480	1,025	396	1,901	6,005
	Mengkerong/Conor/Ubi-Ubi	0	14	208	2,225	228	0	0	174	2,849	0	103	153	371	627	0	0	0	0	3,476
	Remong/Kunyit-Kunyit/Tanda	0	23	0	209	14	0	2	0	248	376	517	393	283	1,569	0	0	14	14	1,831
	Semilang	13	115	20	404	261	2	2	9	826	0	0	1	3	4	63	22	0	85	915
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	495	97	6	598	598
	Puntong Damar/Bulus	56	10	1	151	126	1	4	0	349	220	146	303	220	889	0	0	0	0	1,238
	Pasir-Pasir/Timun-Timun	0	0	0	6	13	0	0	0	19	0	217	345	74	636	0	0	54	54	709
34	Alu-Alu/Kacang-Kacang	95	197	26	931	89	0	13	109	1,460	263	151	157	157	728	19	453	57	529	2,717
	Aruan Tasik	0	29	0	68	5	0	4	6	112	11	214	44	28	297	0	0	7	7	416
	Bawal	167	473	305	1,067	1,568	7	12	269	3,868	299	304	68	218	889	2,332	497	151	2,980	7,737
	Belanak/Kedera	286	97	300	912	61	0	5	14	1,675	0	4	0	4	8	77	554	2	633	2,316
	Cermin/Sagal/Cupak	0	0	1	429	13	2	9	66	520	342	640	230	399	1,611	17	1,218	111	1,346	3,477

Samb.(Cont'd) Jadual (Table)4.4.

Cincaru	689	208	178	1,138	1,102	0	35	491	3,841	775	913	181	1,111	2,980	1,083	986	143	2,212	9,033
Demudok/Rambai	2	68	0	1,361	360	0	0	0	1,791	697	245	95	201	1,238	93	0	39	132	3,161
Kurau/Senangin/Senohong	40	135	35	282	243	2	42	25	804	0	16	1	13	30	557	1,166	0	1,723	2,557
Pelata/Selar	1,514	220	576	1,765	459	0	0	81	4,615	2,127	4,758	902	1,696	9,483	577	1,025	33	1,635	15,733
Selar Kuning/Lolong	1,029	346	1	1,483	105	0	0	2	2,966	2,048	5,363	7,754	3,385	18,550	229	0	361	590	22,106
Selayang/Curut	7,496	132	4,178	1,753	50	0	0	0	13,609	1,602	18,595	2,824	3,933	26,954	0	1,501	565	2,066	42,629
Pisang-Pisang	116	0	9	9	49	0	0	0	183	0	33	50	0	83	0	0	0	0	266
Talang	36	204	0	211	45	2	10	38	546	65	13	8	57	143	377	273	98	748	1,437
35 Bilis/Bunga Air	0	14,079	0	12,101	4	0	0	39	26,223	10	2,109	957	104	3,180	628	524	4	1,156	30,559
Parang-Parang	407	139	58	731	657	26	276	508	2,802	617	259	231	241	1,348	440	57	17	514	4,664
Tamban	1,322	965	582	675	299	0	6	171	4,020	356	3,266	4,243	2,178	10,043	1,791	1,078	548	3,417	17,480
Bulan-Bulan	0	0	0	2	2	0	0	0	4	1	1	7	0	9	0	128	5	133	146
36 Aya/Kayu/Tongkol	1,189	173	411	1,831	62	0	0	0	3,666	1,419	5,131	2,271	1,138	9,959	1,512	1,716	270	3,498	17,123
Layaran/Mersuji	0	0	0	0	0	0	0	0	0	12	102	19	0	133	0	0	0	0	133
37 Kembong/Temenong/Pelaling	13,275	13,485	6,028	8,272	1,918	0	1	7	42,986	886	5,554	2,269	2,168	10,877	1,381	1,993	874	4,248	58,111
Tenggiri	320	558	83	1,265	850	26	278	433	3,813	1,128	960	995	535	3,618	2,511	1,149	706	4,366	11,797
Timah/Layor/Selayor	20	84	33	1,476	360	0	2	112	2,087	159	274	51	106	590	306	79	3	388	3,065
38 Pari	276	535	113	1,787	925	9	289	457	4,391	324	313	485	1,146	2,268	2,062	629	64	2,755	9,414
Yu	15	200	19	546	193	0	25	17	1,015	8	217	223	498	946	1,406	841	56	2,303	4,264
39 Ikan Baja	4,996	26,975	15,706	88,564	37,633	0	0	5,491	179,365	1,550	8,033	28,931	39,560	78,074	8,877	0	1	8,878	266,317
Ikan Campur	387	1,269	112	6,188	1,276	61	233	1,102	10,628	6,739	2,625	2,492	2,207	14,063	14,577	6,499	375	21,451	46,142
Jebong	0	0	6	724	60	0	0	3	793	26	143	123	174	466	0	0	15	15	1,274
42 Ketam	442	697	488	969	912	9	1	134	3,652	26	143	520	514	1,203	261	2,271	26	2,558	7,413
45 Udang Karang/Lobok	0	0	1	9	21	0	0	0	31	0	104	63	210	377	9	62	5	76	484
Udang Putih	104	548	616	1,380	468	20	84	302	3,522	268	11	0	175	454	3,002	2,527	14	5,543	9,519
Udang Minyak	80	0	1,378	12,166	3,507	0	0	1,356	18,487	0	31	42	713	786	868	0	0	868	20,141
Udang Merah Ros	0	0	0	0	299	0	0	2	301	0	6	45	0	51	3	0	0	3	355
Udang Kulit Keras	0	0	339	616	1,084	0	1	447	2,487	618	1	768	123	1,510	1,849	1,476	228	3,553	7,550
Udang Harimau	13	86	10	117	18	0	0	0	244	22	17	98	114	251	15	185	43	243	798
Lain-Lain Jenis Udang	2,630	3,828	3,520	15,816	18,756	11	315	3,543	48,419	754	467	318	2,332	3,871	12,726	3,313	210	16,249	68,539
Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	677	31	0	708	708
56 Siput/Kepah/Kupang/Tiram	0	320	43	190	229	0	0	0	782	0	0	0	0	0	2	1,439	0	1,441	2,223
57 Sotong Kereta	139	224	16	7	0	0	0	0	386	14	0	10	0	24	1,362	0	0	1,362	1,772
Sotong Katak	491	452	90	2,101	973	0	0	62	4,169	146	832	1,944	1,655	4,577	219	0	77	296	9,042
Sotong Biasa	2,454	3,760	714	6,968	1,925	0	0	317	16,138	2,886	4,940	2,560	2,974	13,360	1	1,113	120	1,234	30,732
76 Ubur-Ubur	0	0	240	0	29,837	0	0	767	30,844	0	0	0	0	0	11,192	0	0	11,192	42,036
Trepang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jumlah Tan M/Total Tonnes	42,360	75,615	38,624	198,974	112,646	221	1,989	18,905	489,334	32,982	78,815	68,730	77,023	257,550	84,356	44,000	7,252	135,608	882,492

Nota: Lain-Lain Spesies bagi Sarawak telah dimasukkan ke dalam Ikan Campur
 Note: Ikan Campur includes other species of fish for Sarawak.

SEMENANJUNG MALAYSIA/ PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN JENIS IKAN, 1989
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1989

JADUAL (TABLE) 4.5

ISSCAA GROUP NO.	Jenis Ikan Species	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	Septembe	Oktober	November	Disember	Jumlah (Tan) Total (Tonnes)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	Septembe	October	November	December	
	Species													
24	Kebasi/Selangat	195	188	247	598	191	142	219	145	159	288	233	233	2,838
	Puput/B. Mata/Tirok	546	379	378	308	276	509	287	484	397	262	337	328	4,491
	Terubok	0	0	0	0	0	0	0	0	9	17	10	13	49
25	Siakap	3	2	4	4	4	3	3	4	3	5	3	4	42
31	Lidah	101	115	144	132	108	100	98	92	121	95	126	114	1,346
	Sebelah	75	62	85	61	57	61	64	60	89	69	54	40	777
33	Bayan	0	1	7	4	2	3	4	3	10	4	2	2	42
	Biji Nangka	228	263	292	293	417	501	533	257	307	368	498	311	4,268
	Daun Baharu	27	16	13	12	12	22	11	12	23	18	11	5	182
	Delah/Pinang-Pinang	2	2	42	16	14	34	14	33	22	10	3	3	195
	Duri/Pulutan/Utik	411	448	531	655	508	494	525	473	560	713	474	394	6,186
	Dengkis/Debam	56	30	58	48	29	34	90	33	75	60	54	55	622
	Gelama/Tengkerong/Selampa	1,025	762	949	957	877	833	766	811	891	836	658	623	9,988
	Gerut-Gerut	127	110	130	79	75	97	72	50	85	59	61	28	973
	Jenahak	45	48	63	54	42	114	59	65	49	35	42	31	647
	Kaci	23	18	30	40	23	30	35	29	40	40	23	15	346
	Kerapu	219	176	313	333	277	322	331	255	244	243	243	179	3,135
	Kerisi	1,340	1,121	1,833	1,908	1,591	2,132	1,963	1,654	2,661	2,523	2,150	1,474	22,350
	Kerisi Bali	74	43	81	103	95	101	145	140	140	114	124	57	1,217
	Kikek	168	53	91	128	55	100	121	136	59	69	68	27	1,075
	Malong	164	122	182	199	131	132	124	123	132	125	135	149	1,718
	Merah	299	291	471	491	324	304	345	320	423	357	288	191	4,104
	Mengkerong/Conor/Ubi-Ubi	215	244	438	370	199	428	257	280	244	263	247	291	3,476
	Remong/Kunyit-Kunyit/Tanda	134	111	132	224	179	189	163	172	150	171	130	62	1,817
	Semilang	33	41	29	62	222	39	46	44	105	50	73	86	830
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puntong Damar/Bulus	118	98	101	90	257	56	81	84	99	115	72	67	1,238
	Pasir-Pasir/Timun	40	47	61	81	50	77	51	26	61	89	42	30	655
34	Alu-Alu/Kacang-Kacang	187	127	185	221	189	253	197	170	164	189	198	108	2,188
	Aruan Tasik	25	20	34	146	12	16	28	31	35	30	19	13	409
	Bawal	480	438	434	446	511	497	387	267	313	318	378	288	4,757
	Belanak/Kedera	174	101	130	91	73	107	67	170	220	256	140	154	1,683
	Cermin/Sagai/Cupak	210	173	216	244	151	150	193	193	192	223	131	55	2,131

Samb.(Cont'd) Jadual (Table)4.5.

	Cincaru	616	475	489	641	331	974	899	493	567	471	453	412	6,821
	Demudok/Rambai	184	170	298	289	245	360	348	285	322	260	178	90	3,029
	Kurau/Senangin/Senohong	70	60	64	77	64	70	68	80	71	83	61	66	834
	Pelata/Selar	970	719	1,269	1,315	1,437	1,668	1,340	1,186	1,101	1,160	975	958	14,098
	Selar Kuning/Lolong	739	1,131	2,134	2,535	2,073	2,619	2,085	2,156	1,638	2,173	1,229	1,004	21,516
	Selayang/Curut	2,256	2,501	3,885	3,651	2,845	3,791	3,935	4,037	4,623	3,981	3,356	1,701	40,562
	Pisang-Pisang	3	9	1	27	31	52	24	30	21	58	9	1	266
	Talang	57	45	64	58	65	90	59	47	43	62	47	52	689
35	Bilis/Bunga Air	1,628	3,049	2,619	2,267	2,188	1,984	3,757	2,664	3,546	2,242	1,934	1,525	29,403
	Parang-Parang	388	322	368	343	325	431	361	439	354	325	266	228	4,150
	Tamban	317	1,001	1,721	1,663	2,237	1,244	1,535	1,052	1,051	1,224	575	443	14,063
	Bulan-Bulan	1	1	4	1	0	0	0	2	2	2	0	0	13
36	Aya/Kayu/Tongkol	482	1,037	880	1,302	1,219	1,244	1,462	1,826	1,641	1,246	855	431	13,625
	Layaran/Marsuji	3	25	6	27	11	2	33	11	5	4	5	1	133
37	Kembong/Temenong/Pelaling	3,585	4,598	5,186	4,413	3,956	4,545	4,823	4,746	4,252	4,735	5,261	3,763	53,863
	Tenggiri	880	626	481	676	615	511	561	860	609	619	356	637	7,431
	Timah/Layor/Selayor	403	161	295	283	244	332	149	149	134	209	172	146	2,677
38	Pari	556	445	622	633	612	653	512	502	531	529	558	506	6,659
	Yu	213	172	194	235	147	158	139	157	155	149	130	112	1,961
39	Ikan Baja	18,511	15,256	21,506	18,736	20,821	25,935	22,223	25,203	24,840	23,284	21,931	19,193	257,439
	Ikan Campur	1,417	1,341	1,700	1,791	1,949	2,688	2,401	2,119	2,495	2,971	2,018	1,801	24,691
	Jebong	58	46	121	119	107	115	83	72	99	115	153	171	1,259
42	Ketam	352	259	381	411	392	370	465	462	666	473	328	296	4,855
45	Udang Karang/Lobok	40	29	24	37	32	31	38	27	35	49	36	30	408
	Udang Putih	385	367	288	283	290	281	310	340	422	332	359	319	3,976
	Udang Minyak	1,423	1,837	1,680	1,170	1,032	1,359	1,451	1,377	1,647	2,208	2,263	1,826	19,273
	Udang Merah Ros	74	17	1	0	18	50	29	31	43	18	51	20	352
	Udang Kulit Keras	338	343	573	349	309	320	225	175	264	302	264	535	3,997
	Udang Harimau	67	54	39	30	22	33	24	41	48	41	45	51	495
	Lain-Lain Jenis Udang	3,893	4,806	4,536	3,175	4,149	4,663	3,346	3,180	3,699	4,766	6,231	5,847	52,291
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	62	57	28	19	12	28	26	24	25	140	159	202	782
57	Sotong Kereta	21	28	48	29	58	39	31	38	40	24	19	35	410
	Sotong Katak	442	471	609	645	655	763	1,263	1,153	870	760	656	459	8,746
	Sotong Biasa	1,603	2,580	2,529	3,043	3,162	3,662	2,510	2,850	2,435	2,309	1,462	1,353	29,498
76	Ubur-Ubur	0	138	536	30	0	130	107	5,188	13,782	9,720	1,161	52	30,844
Jumlah Tan M/Total Tonnes		48,781	49,826 €	62,883 €	58,701	58,604	69,075	63,901	69,618	80,158	75,058	60,583	49,696	746,884

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN JENIS IKAN, 1989
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1989

JADUAL (TABLE) 4.5.1

ISSCAAP GROUP NO.	Jenis Ikan Species	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan) Total (Tonnes)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	
	Species													
24	Kebasi/Selangat	182	179	234	206	185	142	213	145	158	266	231	223	2,364
	Puput/B. Mata/Tirok	543	379	375	308	276	509	287	483	397	262	307	306	4,432
	Terubok	0	0	0	0	0	0	0	0	9	17	10	13	49
25	Siakap	2	2	4	4	4	2	2	3	3	4	1	3	34
31	Lidah	85	100	127	114	98	87	88	81	105	79	114	103	1,181
	Sebelah	35	14	26	16	18	21	18	29	33	24	21	23	278
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	153	176	145	135	297	259	372	109	111	231	360	222	2,570
	Daun Baharu	15	13	5	9	2	14	6	5	17	3	3	2	94
	Delah/Pinang-Pinang	1	0	2	1	4	0	1	0	0	1	0	1	11
	Duri/Pulutan/Utik	262	278	319	325	328	288	318	304	314	443	280	290	3,749
	Dengkis/Debam	37	8	11	8	3	3	5	4	5	4	3	16	107
	Gelama/Tengkerong/Selampai	779	530	651	703	699	557	600	551	529	538	458	489	7,084
	Gerut-Gerut	105	87	109	57	52	74	58	37	43	34	54	24	734
	Jenahak	45	47	62	54	42	114	58	64	49	35	42	31	643
	Kaci	7	5	12	5	4	6	5	2	6	2	2	4	60
	Kerapu	174	123	196	184	171	200	157	122	116	143	129	114	1,829
	Kerisi	487	373	837	540	672	804	738	537	652	791	1,148	948	8,527
	Kerisi Bali	61	21	27	35	69	46	94	78	79	47	68	31	656
	Kikek	89	10	18	33	8	38	70	32	1	5	35	8	347
	Malong	156	118	177	192	125	118	114	108	120	116	125	143	1,612
	Merah	135	81	147	102	143	134	121	129	151	120	97	77	1,437
	Mengkerong/Conor/Ubi-Ubi	170	199	345	290	161	365	217	219	182	210	222	269	2,849
	Remong/Kunyit-Kunyit/Tanda	33	24	35	24	18	33	13	15	17	16	8	12	248
	Semilang	33	41	29	62	222	39	45	44	104	50	71	86	826
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puntong Damar/Bulus	15	16	24	14	106	17	24	22	36	16	28	31	349
	Pasir-Pasir/Timun	1	0	1	1	8	1	2	1	2	0	1	1	19
34	Alu-Alu/Kacang-Kacang	151	82	117	129	132	214	123	76	95	105	153	83	1,460
	Aruan Tasik	11	11	17	12	6	9	10	11	6	7	4	8	112
	Bawal	403	320	305	313	399	421	290	200	276	295	369	277	3,868
	Belanak/Kedera	173	100	130	91	73	106	63	170	220	256	140	153	1,675
	Cermin/Sagai/Cupak	130	74	88	41	40	23	22	23	17	30	21	11	520

Samb.(Cont'd) Jadual (Table)4.5.1.

	Cincaru	455	159	242	206	145	647	539	307	308	308	269	256	3,841
	Demudok/Rambai	133	92	173	190	144	209	215	159	138	131	128	79	1,791
	Kurau/Senangin/Senohong	68	59	62	76	63	67	66	63	71	82	61	66	804
	Pelata/Selar	387	273	369	520	663	744	454	304	224	241	254	182	4,615
	Selar Kuning/Lolong	181	163	185	200	297	419	217	187	182	252	421	262	2,966
	Selayang/Curut	1,095	1,486	1,662	1,596	1,289	1,438	1,002	779	902	756	906	698	13,609
	Pisang-Pisang	0	8	0	0	30	42	10	29	14	44	6	0	183
	Talang	53	38	58	40	53	43	46	38	34	47	45	51	546
35	Bilis/Bunga Air	1,628	2,832	2,492	1,942	1,909	1,598	3,274	2,206	3,228	1,688	1,904	1,524	28,223
	Parang-Parang	298	209	240	208	219	266	229	284	232	207	211	199	2,802
	Tamban	275	259	316	169	214	294	380	461	489	307	466	390	4,020
	Bulan-Bulan	1	1	2	0	0	0	0	0	0	0	0	0	4
36	Aya/Kayu/Tongkol	158	258	258	218	488	308	355	342	740	217	247	77	3,666
	Layaran/Marsuji	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	3,014	3,709	3,833	3,251	2,724	3,569	3,733	3,782	3,591	3,840	4,698	3,242	42,986
	Tenggiri	462	268	269	276	291	304	298	323	302	290	259	471	3,813
	Timah/Layor/Selayor	349	131	230	230	202	266	104	118	97	150	104	106	2,087
38	Pari	389	304	426	421	431	442	339	325	350	318	302	344	4,391
	Yu	148	122	99	108	63	80	56	62	65	69	67	76	1,015
39	Ikan Baja	14,585	12,628	16,582	13,317	15,315	18,233	14,248	17,038	15,681	15,392	13,288	13,058	179,365
	Ikan Campur	649	594	848	800	794	1,178	1,127	804	900	995	929	1,010	10,628
	Jebong	33	32	96	77	77	77	56	44	53	53	67	128	793
42	Ketam	244	212	324	361	355	305	221	296	426	393	265	250	3,652
45	Udang Karang/Lobok	3	2	1	4	6	2	3	0	1	6	2	1	31
	Udang Putih	266	262	254	272	273	269	296	320	411	315	305	279	3,522
	Udang Minyak	1,284	1,679	1,486	1,159	1,026	1,356	1,446	1,361	1,618	2,144	2,159	1,769	18,487
	Udang Merah Ros	62	2	0	0	18	50	29	31	43	16	30	20	301
	Udang Kulit Keras	135	144	337	166	280	283	154	108	233	203	195	229	2,487
	Udang Harimau	29	25	22	16	13	20	14	24	21	24	21	15	244
	Lain-Lain Jenis Udang	3,511	4,504	4,277	2,995	4,047	4,515	2,873	2,677	3,239	4,449	5,834	5,498	48,419
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	62	57	28	19	12	28	26	24	25	140	159	202	782
57	Sotong Kereta	20	27	48	29	44	38	29	38	39	22	18	34	386
	Sotong Katak	214	223	308	309	362	419	378	578	411	341	319	307	4,169
	Sotong Biasa	1,226	1,991	1,431	1,021	1,111	1,358	1,237	1,880	1,539	1,171	1,093	1,080	16,138
76	Ubur-Ubur	0	138	536	30	0	130	107	5,188	13,782	9,720	1,161	52	30,844
	Jumlah Tan M/Total Tonnes	35,888	36,302 €	42,069 €	34,254	37,323	43,641	37,695	43,784	53,242	48,481	40,698	35,957	489,334

PANTAI TIMUR SEMENANJUNG MALAYSIA/ EAST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN JENIS IKAN, 1989
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1989

JADUAL (TABLE) 4.5.2

ISSCAAP GROUP NO.	Jenis Ikan Species	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan) Total (Tonnes)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	
	Species													
24	Kebasi/Selangat	13	9	13	392	6	0	6	0	1	22	2	10	474
	Puput/B. Mata/Tirok	3	0	3	0	0	0	0	1	0	0	30	22	59
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	1	0	0	0	0	1	1	1	0	1	2	1	8
31	Lidah	16	15	17	18	10	13	10	11	16	16	12	11	165
	Sebelah	40	48	59	45	39	40	46	31	56	45	33	17	499
33	Bayan	0	1	7	4	2	3	4	3	10	4	2	2	42
	Biji Nangka	75	87	147	158	120	242	161	148	196	137	138	89	1,698
	Daun Baharu	12	3	8	3	10	8	5	7	6	15	8	3	88
	Delah/Pinang-Pinang	1	2	40	15	10	34	13	33	22	9	3	2	184
	Duri/Pulutan/Utik	149	170	212	330	180	206	207	169	246	270	194	104	2,437
	Dengkis/Debam	19	22	47	40	26	31	85	29	70	56	51	39	515
	Gelama/Tengkerong/Selampai	246	232	298	254	178	276	166	260	362	298	200	134	2,904
	Gerut-Gerut	22	23	21	22	23	23	14	13	42	25	7	4	239
	Jenahak	0	1	1	0	0	0	1	1	0	0	0	0	4
	Kaci	16	13	18	35	19	24	30	27	34	38	21	11	286
	Kerapu	45	53	117	149	106	122	174	133	128	100	114	65	1,306
	Kerisi	853	748	996	1,368	919	1,328	1,225	1,117	2,009	1,732	1,002	526	13,823
	Kerisi Bali	13	22	54	68	26	55	51	62	61	67	56	26	561
	Kikek	79	43	73	95	47	62	51	104	58	64	33	19	728
	Malong	8	4	5	7	6	14	10	15	12	9	10	6	106
	Merah	164	210	324	389	181	170	224	191	272	237	191	114	2,667
	Mengkerong/Conor/Ubi-Ubi	45	45	93	80	38	63	40	61	62	53	25	22	627
	Remong/Kunyit-Kunyit/Tanda	101	87	97	200	161	156	150	157	133	155	122	50	1,569
	Semilang	0	0	0	0	0	0	1	0	1	0	2	0	4
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puntong Damar/Bulus	103	82	77	76	151	39	57	62	63	99	44	36	889
	Pasir-Pasir/Timun	39	47	60	80	42	76	49	25	59	89	41	29	636
34	Alu-Alu/Kacang-Kacang	36	45	68	92	57	39	74	94	69	84	45	25	728
	Aruan Tasik	14	9	17	134	6	7	18	20	29	23	15	5	297
	Bawal	77	118	129	133	112	76	97	67	37	23	9	11	889
	Belanak/Kedera	1	1	0	0	0	1	4	0	0	0	0	1	8
	Cermin/Sagai/Cupak	80	99	128	203	111	127	171	170	175	193	110	44	1,611

Samb.(Cont'd) Jadual (Table) 4.5.2.

	Cincaru	161	316	247	435	186	327	360	186	259	163	184	156	2,980
	Demudok/Rambai	51	78	125	99	101	151	133	126	184	129	50	11	1,238
	Kurau/Senangin/Senohong	2	1	2	1	1	3	2	17	0	1	0	0	30
	Pelata/Selar	583	446	900	795	774	924	886	882	877	919	721	776	9,483
	Selar Kuning/Lolong	558	968	1,949	2,335	1,776	2,200	1,868	1,969	1,456	1,921	808	742	18,550
	Selayang/Curut	1,161	1,015	2,223	2,055	1,556	2,353	2,933	3,258	3,721	3,225	2,450	1,003	26,953
	Pisang-Pisang	3	1	1	27	1	10	14	1	7	14	3	1	83
	Talang	4	7	6	18	12	47	13	9	9	15	2	1	143
35	Bitis/Bunga Air	2	217	127	325	279	386	483	458	318	554	30	1	3,180
	Parang-Parang	90	113	128	135	106	165	132	155	122	118	55	29	1,348
	Tamban	42	742	1,405	1,494	2,023	950	1,155	591	562	917	109	53	10,043
	Bulan-Bulan	0	0	2	1	0	0	0	2	2	2	0	0	9
36	Aya/Kayu/Tongkol	324	779	622	1,084	731	936	1,107	1,484	901	1,029	608	354	9,959
	Layaran/Marsuji	3	25	6	27	11	2	33	11	5	4	5	1	133
37	Kembong/Temenong/Pelaling	571	889	1,353	1,162	1,232	976	1,090	964	661	895	563	521	10,877
	Tenggiri	418	358	212	400	324	207	263	537	307	329	97	166	3,618
	Timah/Layor/Selayor	54	30	65	53	42	66	45	31	37	59	68	40	590
38	Pari	167	141	196	212	181	211	173	177	181	211	256	162	2,268
	Yu	65	50	95	127	84	78	83	95	90	80	63	36	946
39	Ikan Baja	3,926	2,628	4,924	5,419	5,506	7,702	7,975	8,165	9,159	7,892	8,643	6,135	78,074
	Ikan Campur	768	747	852	991	1,155	1,510	1,274	1,315	1,595	1,976	1,089	791	14,063
	Jebong	25	14	25	42	30	38	27	28	46	62	86	43	466
42	Ketam	108	47	57	50	37	65	244	166	240	80	63	46	1,203
45	Udang Karang/Lobok	37	27	23	33	26	29	35	27	34	43	34	29	377
	Udang Putih	119	105	34	11	17	12	14	20	11	17	54	40	454
	Udang Minyak	139	158	194	11	6	3	5	16	29	64	104	57	786
	Udang Merah Ros	12	15	1	0	0	0	0	0	0	2	21	0	51
	Udang Kulit Keras	203	199	236	163	29	37	71	67	31	99	69	306	1,510
	Udang Harimau	38	29	17	14	9	13	10	17	27	17	24	36	251
	Lain-Lain Jenis Udang	382	302	259	180	102	148	473	503	460	317	397	349	3,872
	Udang Bering	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kereta	1	1	0	0	14	1	2	0	1	2	1	1	24
	Sotong Katak	228	248	301	336	293	344	885	575	459	419	337	152	4,577
	Sotong Biasa	377	589	1,098	2,022	2,051	2,304	1,273	970	896	1,138	369	273	13,360
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	12,893	13,524	20,814	24,447	21,281	25,434	26,206	25,834	26,916	26,577	19,885	13,739	257,550

SARAWAK
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1989
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.5.3

ISSCAAP GROUP NO.	Jenis Ikan Species	JANUARI	FEBRUARI	MAC	APRIL	MEI	JUN	JULAI	OGOS	SEPTEMBER	OKTOBER	NOVEMBER	DISEMBER	Jumlah (Tan M) Total
	Nama Tempatan Local Name	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
24	Kebasi/Selangat	18	25	21	17	15	12	6	5	10	1	11	8	149
	Puput/B. Mata/Tirok	25	24	124	121	192	276	182	172	220	87	67	42	1,532
	Terubok	14	10	101	94	82	138	164	92	39	18	10	3	765
25	Siakap	4	41	3	7	6	4	4	9	5	1	1	0	85
31	Lidah	5	4	3	1	2	3	11	2	2	4	3	1	41
	Sebelah	1	0	0	0	0	5	4	2	0	1	0	0	13
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	5	3	6	1	3	2	2	3	2	0	0	0	27
	Daun Baharu	0	2	0	1	1	2	4	12	2	0	0	0	24
	Delah/Pinang-Pinang	0	0	0	0	0	0	0	0	1	0	0	0	1
	Duri/Pulutan/Utik	163	165	163	246	217	297	278	278	195	148	68	80	2,298
	Dengkis	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	201	155	312	427	332	431	429	449	444	299	162	145	3,786
	Gerut-Gerut	4	1	3	8	7	5	1	17	6	5	1	2	60
	Jenahak	0	5	1	5	1	6	8	11	3	2	1	0	43
	Kaci	0	1	2	3	2	2	2	1	0	1	0	0	14
	Kerapu	9	19	3	5	4	21	16	3	4	12	4	4	104
	Kerisi	29	1	17	9	14	12	12	2	3	25	1	2	127
	Kerisi Bali	0	0	0	0	0	6	0	0	0	0	0	0	6
	Kikek	1	1	4	3	6	13	13	6	2	0	0	0	49
	Lumi-Lumi	99	164	330	86	259	182	165	96	36	40	27	33	1,517
	Malong	88	111	148	119	82	74	116	112	64	80	68	95	1,157
	Merah	29	15	18	50	13	58	62	59	47	72	30	27	480
	Pelanduk	0	1	3	8	5	4	6	6	2	1	6	2	44
	Semilang	5	5	3	7	5	8	4	3	3	11	6	3	63
	Shrumbu/Lemah	1	3	4	357	13	45	41	17	6	1	4	3	495
	Kapas	0	0	30	20	45	42	33	12	9	23	9	1	224
34	Alu-Alu/Kacang-Kacang	1	1	1	1	2	1	2	1	1	2	3	3	19
	Bawal	56	68	224	332	306	337	294	272	103	166	123	51	2,332
	Belanak/Kedera	8	9	7	7	6	1	6	13	6	4	5	5	77
	Cemini/Sagai/Cupak	0	0	0	0	0	3	3	2	2	1	4	2	17
	Gerongga	0	6	38	86	21	22	43	21	21	5	8	2	273
	Cincaru	44	79	63	81	105	78	97	99	91	145	89	112	1,083
	Demudok/Rambai	5	5	11	8	12	13	9	7	13	7	2	1	93
	Kurau/Senangin/Senohong	25	13	56	75	52	70	66	61	58	49	20	12	557
	Pelata/Selar	12	12	32	31	42	279	34	34	59	24	14	4	577

Samb.(Cont'd) Jadual (Table)4.5.3.

35	Selar Kuning/Lolong	0	1	1	1	2	3	8	11	10	104	82	6	229
	Selayang/Curut	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	13	28	23	72	41	30	59	40	26	17	14	13	376
	Todak/Benang	0	1	0	0	0	0	0	0	0	0	0	0	1
	Tamban	16	46	62	165	216	577	119	313	131	25	69	52	1,791
	Bila/Bunga Air	7	31	53	54	85	101	17	44	93	57	47	39	628
	Parang-Parang	15	9	52	58	33	60	89	33	27	30	31	3	440
	Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aya/Kayu/Tongkol	88	88	67	46	71	95	97	135	96	363	261	105	1,512
	Tenggiri	35	42	200	301	202	393	512	416	155	135	98	32	2,511
	Kambong/Temenong/Pelaling	87	156	116	120	87	236	76	124	42	127	135	75	1,381
	Timah/Layor/Selayor	6	4	8	6	34	10	61	51	22	51	46	7	306
	Yu	53	71	177	132	150	155	241	162	99	61	63	42	1,406
	Parl	159	68	158	230	171	245	188	231	162	189	137	124	2,062
39	Ikan Baja	35	350	362	295	1,254	3,227	131	485	844	913	798	183	8,877
42	Ikan Campur	338	224	551	768	770	1,701	792	635	869	678	572	210	8,108
45	Ketam	23	17	18	24	32	40	17	17	16	34	12	11	261
56	Udang Karang/Lobok	3	0	0	0	0	1	3	0	0	1	0	1	9
	Udang Harimau	8	0	0	0	0	0	3	0	0	4	0	0	15
	Udang Putih	304	273	265	392	182	519	129	195	169	180	161	233	3,002
	Udang Sua Lor	134	53	90	25	5	35	5	13	21	26	49	84	540
	Udang Merah Ros	0	3	0	0	0	0	0	0	0	0	0	0	3
	Udang Kulit Keras	152	145	161	125	86	398	73	208	112	118	81	190	1,849
	Udang Kuning	0	6	4	5	4	33	3	8	13	16	9	22	123
	Udang Cendana/Rotan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah/Payak	1,255	3,044	2,465	906	465	1,093	506	639	560	368	339	397	12,037
	Udang Pasir	0	0	0	0	26	0	0	0	0	0	0	0	26
	Udang Minyak	106	55	271	49	42	78	45	66	72	18	22	44	868
	Udang Baring	1	556	17	11	13	4	14	9	19	29	4	0	677
	Udang Galah	0	0	0	0	0	0	0	0	0	0	0	0	0
	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	1	1	2
57	Sotong Biasa	31	23	275	299	218	101	83	56	104	105	33	34	1,362
76	Sotong Katak	3	3	15	12	23	103	15	16	8	6	11	4	219
	Sotong Kereta	0	0	0	0	0	0	0	1	0	0	0	0	1
	Ubur-Ubur	4,102	3,177	2,137	126	10	8	82	187	211	102	628	422	11,192
	Jamah	18	24	83	46	71	301	43	147	37	139	71	33	1,013
	Perencong	7	2	11	24	14	16	27	17	4	17	2	6	147
	Panjang	8	0	11	10	7	20	6	885	9	17	25	7	1,005
	Pelayak	2	20	19	44	16	9	11	27	37	16	18	1	220
	Impirang	10	11	50	119	103	65	98	76	66	37	22	12	669
	Bulu Ayam	3	21	71	30	41	22	65	51	46	40	22	9	421
	Kilat	16	15	76	87	84	131	58	31	33	30	19	10	590
	Bulu	13	5	11	10	6	9	7	11	5	12	7	3	99
	Empirit	1	4	43	90	19	22	32	16	10	5	3	1	246
Jumlah Tan M/Total Tonnes		7,904	9,525	9,654	6,898	6,435	12,293	5,832	7,235	5,587	5,305	4,629	3,059	84,356

WILAYAH PERSEKUTUAN LABUAN/LABUAN FEDERAL TERRITORY
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN JENIS IKAN, 1989
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1989
(Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.5.4...

ISSCAAP GROUP NO.	Jenis Ikan Species	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan) Total (Tonnes)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	
	Species													
24	Kebasi/Selangat	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puput/B. Mata/Tirok	21	1	1	0	3	5	0	0	0	0	0	0	31
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0	0	4	2	0	0	0	6
31	Lidah	1	0	0	0	0	1	0	2	0	1	1	1	7
	Sebelah	3	1	4	2	0	2	5	5	2	2	2	1	29
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	15	17	42	25	7	21	21	26	33	33	43	39	322
	Daun Baharu	0	4	5	0	2	4	1	0	0	0	3	3	22
	Delah/Pinang-Pinang	22	1	0	12	19	8	19	13	10	0	3	2	109
	Duri/Pulutan/Utik	13	2	7	0	2	7	11	7	9	9	8	12	87
	Dengkia/Debam	8	24	10	5	4	11	17	28	16	10	11	8	152
	Gelama/Tengkerong/Selampai	14	9	10	4	2	7	12	11	9	6	11	19	114
	Gerut-Gerut	11	4	3	0	2	0	0	0	0	4	9	2	35
	Jenahak	0	0	0	1	0	0	0	0	0	0	0	0	1
	Kaci	2	0	1	2	2	1	0	2	7	0	0	2	19
	Kerapu	38	11	13	24	6	81	91	36	39	20	10	16	385
	Kerisi	9	6	9	7	1	38	15	30	8	11	11	10	155
	Kerisi Bali	0	0	0	0	0	0	0	0	0	0	0	0	0
	Kikek	9	4	2	5	6	8	3	7	9	4	8	15	80
	Malong	0	0	0	0	0	0	0	0	0	0	0	0	0
	Merah	29	5	9	33	33	84	14	126	17	16	13	17	396
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	1	0	5	4	2	0	1	0	0	1	0	0	14
	Semilang	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrumbu/Lemah	1	1	1	0	2	0	0	0	0	0	0	1	6
	Puntong Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun	7	2	4	20	2	12	0	3	0	1	0	3	54
34	Alu-Alu/Kacang-Kacang	1	5	6	15	9	2	4	1	0	1	0	13	57
	Aruan Tasik	4	0	0	0	0	0	2	1	0	0	0	0	7
	Bawal	34	0	0	1	0	9	6	16	0	1	0	84	151
	Belahak/Kedera	0	0	0	1	0	0	0	0	1	0	0	0	2
	Cermin/Sagai/Cupak	8	14	8	19	10	14	6	8	4	5	3	12	111

Samb.(Cont'd) Jadual (Table) 4.5.4.

	Cincaru	28	6	3	1	9	19	26	9	9	2	13	18	143
	Demudok/Rambai	10	1	2	3	0	2	2	5	2	4	7	1	39
	Kurau/Senangin/Senohong	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pelata/Selar	0	0	0	0	0	0	7	1	0	0	15	10	33
	Selar Kuning/Lolong	6	62	26	51	52	34	27	52	8	3	19	21	361
	Selayang/Curut	86	57	102	48	25	40	78	0	46	0	31	52	565
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	8	1	18	2	6	31	8	7	7	3	3	4	98
35	Blis/Bunga Air	0	4	0	0	0	0	0	0	0	0	0	0	4
	Parang-Parang	6	1	6	0	0	1	1	0	0	1	0	1	17
	Tamban	40	18	24	54	9	62	136	54	68	0	56	27	548
	Bulan-Bulan	2	0	1	0	0	0	0	0	0	0	1	1	5
36	Aya/Kayu/Tongkol	103	14	85	27	9	7	8	0	3	2	8	4	270
	Layaran/Marsuji	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	141	127	93	116	74	25	30	150	39	10	42	27	874
	Tenggiri	153	35	27	25	55	65	214	13	25	15	44	34	705
	Timah/Layor/Selayor	0	1	1	0	0	0	1	0	0	0	0	0	3
38	Pari	8	7	4	4	1	4	2	1	5	5	14	9	64
	Yu	6	8	2	0	0	2	1	7	3	9	8	11	57
39	Ikan Baja	0	0	1	0	0	0	0	0	0	0	0	0	1
	Ikan Campur	54	28	18	26	36	38	42	76	15	13	8	21	375
	Jebong	1	0	1	0	1	1	1	2	3	1	1	2	14
42	Ketam	3	1	2	3	3	3	2	2	1	1	3	2	26
45	Udang Karang/Lobok	0	0	0	4	1	0	0	0	0	0	0	0	5
	Udang Putih	8	0	1	0	0	0	0	0	0	0	0	5	14
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	19	26	24	31	20	12	30	11	14	11	4	25	227
	Udang Harimau	6	1	7	11	3	4	2	0	0	2	1	6	43
	Lain-Lain Jenis Udang	66	50	14	14	12	6	11	8	0	3	9	17	210
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	14	9	4	6	9	0	5	6	8	5	7	6	79
	Sotong Biasa	26	42	24	5	4	5	1	3	3	1	3	3	120
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	1,045	610	630	611	443	676	863	733	425	216	433	567	7,252

SEMANANJUNG MALAYSIA/PENINSULAR MALAYSIA
 PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1989
 LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1989
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6

ISSCAAP GROUP NO.	Jenis Ikan Species Nama Tempatan Local Name	Pukat Tunda Trawl Net	Pukat-Pukat Tarik/Seine Nets			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-perangkap Traps		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampalan Miscel- laneous	Jumlah (Tan M) Total (Tonnes)
			Pukat Jerut Ikan Seine Fish	Pukat Jerut Billis Purse Seine Anchovy	Lain Pukat Tarik Other Seines			Belat- Belat Stationary	Bubu Portable							
			Purse Seine Fish	Purse Seine Anchovy	Other Seines			Stationary	Portable							
24	Kebasi/Selangat	785	374	0	7	1,668	0	2	0	0	2	0	0	0	0	2,838
	Puput/B. Mata/Tirok	3,634	32	0	0	824	0	0	0	0	1	0	0	0	0	4,491
	Terubok	0	0	0	0	49	0	0	0	0	0	0	0	0	0	49
25	Slakap	11	0	0	0	4	0	0	1	5	0	21	0	0	0	42
31	Lidah	1,223	0	0	1	110	0	0	0	0	12	0	0	0	0	1,346
33	Sebelah	731	0	0	0	44	0	0	2	0	0	0	0	0	0	777
	Bayan	7	0	0	0	0	0	0	34	1	0	0	0	0	0	42
	Blj Nangka	4,046	0	0	0	135	0	0	68	21	0	0	0	0	0	4,268
	Daun Baharu	167	0	0	0	11	0	0	3	1	0	0	0	0	0	182
	Delah/Pinang-Pinang	28	2	0	0	0	0	9	97	3	0	0	0	0	56	195
	Duri/Pulutan/Utik	3,875	51	7	69	1,138	0	3	18	910	33	82	0	0	0	6,186
	Dengkil/Debam	323	0	0	0	61	7	4	218	9	0	0	0	0	0	622
	Gelama/Tengkerong/Selampai	7,313	8	47	149	1,927	5	1	75	380	38	45	0	0	0	9,988
	Gerut-Gerut	634	0	0	0	76	0	0	56	207	0	0	0	0	0	973
	Jenahak	310	0	0	0	15	0	0	117	205	0	0	0	0	0	647
	Kaci	242	0	0	0	0	0	0	83	21	0	0	0	0	0	346
	Kerapu	1,728	0	0	0	59	0	1	616	731	0	0	0	0	0	3,135
	Kerisi	17,929	0	0	0	804	24	0	1,299	2,294	0	0	0	0	0	22,360
	Kerisi Ball	856	0	0	0	1	0	0	102	258	0	0	0	0	0	1,217
	Kikek	877	7	1	0	175	3	0	3	9	0	0	0	0	0	1,075
	Malong	1,230	0	0	2	165	0	0	6	315	0	0	0	0	0	1,718
	Merah	1,741	0	0	0	23	0	1	1,319	1,020	0	0	0	0	0	4,104
	Mengkerong/Conor/Ubi-Ubi	3,440	0	0	0	36	0	0	0	0	0	0	0	0	0	3,476
	Remong/Kunyit-Kunyit/Tanda	1,344	9	0	0	173	1	1	198	91	0	0	0	0	0	1,817
	Semilang	484	0	0	14	52	0	1	46	31	0	202	0	0	0	830
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puntong Damar/Bulus	944	98	0	1	174	0	0	0	21	0	0	0	0	0	1,238
	Pasir-Pasir/Timun-Timun	503	0	0	0	2	0	0	148	2	0	0	0	0	0	655
	Alu-Alu/Kacang-Kacang	1,691	69	0	1	315	0	5	5	102	0	0	0	0	0	2,188
34	Aruan Tasik	144	122	0	0	28	0	0	14	101	0	0	0	0	0	409
	Bawal	2,725	471	0	9	1,367	129	14	0	29	13	0	0	0	0	4,757
	Belanak/Kedera	407	352	0	19	856	0	3	0	0	3	43	0	0	0	1,683
	Cemrin/Sagai/Cupak	1,575	97	0	0	238	2	1	87	131	0	0	0	0	0	2,131

Samb.(Cont'd) Jadual (Table) 4.6.

29	Cincaru	2,243	2,729	0	0	744	17	0	0	1,080	3	1	0	0	4	6,821
	Demudok/Rambai	1,775	320	0	0	396	2	0	123	406	0	0	0	0	7	3,029
	Kurau/Senangin/Senohong	167	0	16	6	613	0	0	1	31	0	0	0	0	0	834
	Peiata/Selar	3,287	6,957	33	1	1,007	236	8	10	2,544	15	0	0	0	0	14,098
	Selar Kuning/Lolong	7,053	8,018	0	0	142	6,215	58	2	28	0	0	0	0	0	21,516
	Selayang/Curut	1,043	37,511	0	0	1	1,802	0	0	206	0	0	0	0	0	40,563
	Pisang-Pisang	69	150	0	0	0	0	0	12	35	0	0	0	0	0	266
	Talang	232	37	0	0	297	0	1	0	122	0	0	0	0	0	689
	35 Blls/Bunga Air	506	97	28,702	0	0	10	88	0	0	0	0	0	0	0	29,403
	Parang-Parang	1,883	3	0	1	2,153	1	4	0	105	0	0	0	0	0	4,150
	Tamban	1,109	10,846	1,108	73	437	402	52	0	36	0	0	0	0	0	14,063
	Bulan-Bulan	7	0	0	0	3	0	0	2	1	0	0	0	0	0	13
	36 Aya/Kayu/Tongkol	10	6,121	0	0	2,129	13	0	0	5,352	0	0	0	0	0	13,625
	Layaran/Mersuaji	13	0	0	0	2	0	0	0	118	0	0	0	0	0	133
	37 Kembong/Temenong/Pelaling	16,448	24,446	90	35	12,481	136	59	0	168	0	0	0	0	0	53,863
	Tenggiri	1,690	421	0	0	3,104	3	0	9	2,204	0	0	0	0	0	7,431
	Timah/Layar/Selayor	2,400	11	0	0	241	8	4	0	5	4	4	0	0	0	2,677
	38 Pari	5,312	0	0	13	284	0	1	44	886	119	0	0	0	0	6,659
	Yu	1,470	2	0	0	312	0	0	4	172	1	0	0	0	0	1,961
	39 Ikan Baja	232,798	5,565	0	7,755	4,506	0	48	2	0	6,054	225	486	0	0	257,439
	Ikan Campur	14,537	5,380	19	32	3,346	101	50	482	618	89	37	0	0	0	24,691
	Jebong	1,012	0	0	2	1	0	0	243	1	0	0	0	0	0	1,259
	42 Ketam	3,331	0	0	23	1,060	0	2	106	0	10	81	21	0	221	4,856
	45 Udang Karang/Lobok	399	0	0	0	6	0	0	3	0	0	0	0	0	0	408
	Udang Putih	1,371	0	0	41	2,521	0	1	0	0	30	5	7	0	0	3,976
	Udang Minyak	12,686	0	0	5,646	321	0	0	0	0	595	5	20	0	0	19,273
	Udang Merah Ros	344	0	0	0	1	0	0	0	0	7	0	0	0	0	352
	Udang Kulit Keras	3,238	0	0	270	144	0	4	0	0	307	0	34	0	0	3,997
	Udang Harimau	420	0	0	12	43	0	0	0	0	7	0	13	0	0	495
	Lain-Lain Jenis Udang	21,456	0	0	4,968	3,560	0	425	0	0	20,305	132	1,443	0	1	52,290
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	56 Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	782	0	782
	57 Sotong Kereta	377	0	0	0	16	10	0	0	0	7	0	0	0	0	410
	Sotong Katak	8,283	0	0	10	2	58	2	370	5	15	1	0	0	0	8,746
	Sotong Biasa	25,392	306	0	0	0	2,402	38	176	1,124	55	5	0	0	0	29,498
	76 Ubur-Ubur	2,979	0	0	0	120	0	0	0	0	4,347	0	0	0	23,398	30,844
Jumlah Tan M/Total Tonnes		436,287	110,612	30,023	19,160	50,523	11,587	891	6,202	22,145	32,072	889	2,024	782	23,687	746,884

JADUAL (TABLE) 4.6.1

ISSCAAP GROUP NO.	Species	Pukat Tunda	Pukat-Pukat Tarik/Seine Nets			Pukat Hanyut	Pukat Tangguk	Perangkap-perangkap Traps		Pancing	Pukat Bakul	Pukat Rentang	Pukat Surung	Memungut Siput	Rampaian	Jumlah						
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Billis Purse Seine Anchovy	Lain Pukat Tarik Other Seines			Belat- Belat Stationary	Bubu Portable							Hooks and Lines	Bag Nets	Barrier Nets	Push/Scor Nets	Shellfish Collection	Miscel- laneous	Total (Tonnes)
24	Kebasi/Selangat	711	374	0	0	1,277	0	2	0	0	0	0	0	0	0	2,364						
	Puput/B. Mata/Tirok	3,577	32	0	0	822	0	0	0	0	1	0	0	0	0	4,432						
	Terubok	0	0	0	0	49	0	0	0	0	0	0	0	0	0	49						
25	Slakap	4	0	0	0	4	0	0	0	5	0	21	0	0	0	34						
31	Lidah	1,060	0	0	1	108	0	0	0	0	12	0	0	0	0	1,181						
	Sebelah	267	0	0	0	11	0	0	0	0	0	0	0	0	0	278						
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Biji Nangka	2,570	0	0	0	0	0	0	0	0	0	0	0	0	0	2,570						
	Daun Baharu	90	0	0	0	4	0	0	0	0	0	0	0	0	0	94						
	Delah/Pinang-Pinang	8	0	0	0	0	0	0	0	3	0	0	0	0	0	11						
	Duri/Pulutan/Utik	2,200	0	0	69	955	0	2	0	409	32	82	0	0	0	3,749						
	Dengkia/Debam	71	0	0	0	2	0	0	33	1	0	0	0	0	0	107						
	Gelama/Tengkerong/Selampai	5,534	0	0	116	1,329	0	1	0	25	34	45	0	0	0	7,084						
	Gerut-Gerut	527	0	0	0	23	0	0	15	169	0	0	0	0	0	734						
	Jenahak	308	0	0	0	15	0	0	116	204	0	0	0	0	0	643						
	Kaci	47	0	0	0	0	0	0	9	4	0	0	0	0	0	60						
	Kerapu	1,203	0	0	0	44	0	0	334	248	0	0	0	0	0	1,829						
	Kerisi	8,264	0	0	0	259	0	0	1	3	0	0	0	0	0	8,527						
	Kerisi Bali	447	0	0	0	1	0	0	52	157	0	0	0	0	0	657						
	Kikak	344	2	0	0	0	0	0	0	0	0	0	0	0	0	346						
	Malong	1,131	0	0	2	165	0	0	0	314	0	0	0	0	0	1,612						
	Merah	977	0	0	0	5	0	0	292	163	0	0	0	0	0	1,437						
	Mengkerong/Conor/Ubl-Ubl	2,812	0	0	0	36	0	0	0	0	0	0	0	0	0	2,848						
	Remong/Kunyit-Kunyit/Tanda	210	0	0	0	0	0	0	0	38	0	0	0	0	0	248						
	Semilang	481	0	0	14	52	0	0	46	31	0	202	0	0	0	826						
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Puntong Damar/Bulus	277	0	0	1	50	0	0	0	21	0	0	0	0	0	349						
	Pasir-Pasir/Timun-Timun	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19						
34	Alu-Alu/Kacang-Kacang	1,173	48	0	1	164	0	1	0	73	0	0	0	0	0	1,460						
	Aruan Tasik	91	0	0	0	4	0	0	1	16	0	0	0	0	0	112						
	Bawal	2,579	163	0	6	1,046	51	14	0	0	9	0	0	0	0	3,868						
	Belanak/Kedera	406	349	0	20	853	0	1	0	0	3	43	0	0	0	1,675						
	Cermin/Sagai/Cupak	459	0	0	0	61	0	0	0	0	0	0	0	0	0	520						

Samb.(Cont'd.) Jadual (Table) 4.6.1.

31	Cincaru	1,481	1,867	0	0	491	0	0	0	2	0	0	0	0	0	3,841
	Demudok/Rambai	1,667	8	0	0	65	0	0	9	42	0	0	0	0	0	1,791
	Kurau/Senangin/Senohong	166	0	0	2	604	0	0	1	31	0	0	0	0	0	804
	Pelata/Selar	2,288	2,175	0	0	149	0	0	0	3	0	0	0	0	0	4,615
	Selar Kuning/Lolong	1,931	1,035	0	0	0	0	0	0	0	0	0	0	0	0	2,966
	Selayang/Curut	712	12,899	0	0	0	0	0	0	0	0	0	0	0	0	13,611
	Pisang-Pisang	57	125	0	0	0	0	0	0	0	0	0	0	0	0	182
	Talang	217	15	0	0	268	0	0	0	46	0	0	0	0	0	546
	35 Bilis/Bunga Air	437	97	25,690	0	0	0	0	0	0	0	0	0	0	0	26,224
	Parang-Parang	1,617	3	0	0	1,177	0	4	0	1	0	0	0	0	0	2,802
	Tamban	1,081	2,416	0	73	433	0	17	0	0	0	0	0	0	0	4,020
	Bulan-Bulan	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	36 Aya/Kayu/Tongkol	0	3,384	0	0	281	0	0	0	1	0	0	0	0	0	3,666
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	37 Kembong/Temenong/Pelaling	15,879	14,775	0	28	12,248	0	56	0	0	0	0	0	0	0	42,986
	Tenggiri	1,358	87	0	0	2,321	1	0	0	46	0	0	0	0	0	3,813
	Timah/Layor/Selayor	2,003	1	0	0	78	0	4	0	1	0	0	0	0	0	2,087
	38 Pari	3,135	0	0	9	238	0	0	36	857	116	0	0	0	0	4,391
	Yu	796	0	0	0	146	0	0	0	73	0	0	0	0	0	1,015
	39 Ikan Baja	157,371	5,358	0	7,132	4,507	0	48	1	0	4,237	225	486	0	0	179,365
	Ikan Campur	8,001	134	0	32	2,319	1	42	2	8	51	38	0	0	0	10,628
	Jebong	689	0	0	2	1	0	0	101	0	0	0	0	0	0	793
	42 Ketam	2,248	0	0	23	1,022	0	0	27	0	10	81	21	0	220	3,652
	45 Udang Karang/Lobok	30	0	0	0	1	0	0	0	0	0	0	0	0	0	31
	Udang Putih	1,124	0	0	41	2,324	0	1	0	0	20	5	7	0	0	3,522
	Udang Minyak	11,983	0	0	5,646	321	0	0	0	0	512	5	20	0	0	18,487
	Udang Merah Ros	292	0	0	0	1	0	0	0	0	7	0	0	0	0	300
	Udang Kulit Keras	1,808	0	0	271	66	0	4	0	0	304	0	34	0	0	2,487
	Udang Harimau	205	0	0	12	10	0	0	0	0	4	0	13	0	0	244
	Lain-Lain Jenis Udang	18,999	0	0	4,968	3,369	0	425	0	0	19,082	132	1,443	0	1	48,419
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	56 Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	782	0	782
	57 Sotong Kereta	363	0	0	0	16	0	0	0	0	7	0	0	0	0	386
	Sotong Katak	4,102	0	0	10	2	0	1	38	2	13	1	0	0	0	4,169
	Sotong Biasa	15,982	82	0	0	0	0	20	0	0	54	0	0	0	0	16,138
	76 Ubur-Ubur	2,979	0	0	0	120	0	0	0	0	4,347	0	0	0	23,398	30,844
Jumlah Tan M/Total Tonnes		298,852	45,429	25,690	18,479	39,917	53	643	1,114	2,997	28,855	880	2,024	782	23,619	489,334

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1989
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.2

ISSCAAP GROUP NO.	Jenis Ikan Species	Pukat Tunda	Pukat-Pukat Tarik/Selne Nets				Pukat Hanyut	Pukat Tangguk	Perangkap-perangkap Traps		Pancing	Pukat Bakul	Pukat Rentang	Pukat Surung	Memungut Siput	Rampalan	Jumlah (Tan M)	
				Pukat Jerut Ikan	Pukat Jerut Billis	Lain Pukat Tarik			Belat- Belat	Bubu								
	Nama Tempatan Local Name																	Trawl Net
24	Kebasi/Selangat	74	0	0	7	391	0	0	0	0	2	0	0	0	0	0	474	
	Puput/B. Mata/Tirok	57	0	0	0	2	0	0	0	0	0	0	0	0	0	0	59	
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	Slakap	7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	8	
31	Udah	163	0	0	0	2	0	0	0	0	0	0	0	0	0	0	165	
33	Sebelah	464	0	0	0	33	0	0	2	0	0	0	0	0	0	0	499	
	Bayan	7	0	0	0	0	0	0	34	1	0	0	0	0	0	0	42	
	Blil Nangka	1,476	0	0	0	135	0	0	66	21	0	0	0	0	0	0	1,698	
	Daun Baharu	77	0	0	0	7	0	0	3	1	0	0	0	0	0	0	88	
	Delah/Pinang-Pinang	20	2	0	0	0	0	9	97	0	0	0	0	0	0	56	184	
	Duri/Pulutan/Utik	1,675	51	7	0	183	0	1	18	501	1	0	0	0	0	0	2,437	
	Dengkla/Debam	252	0	0	0	59	7	4	185	8	0	0	0	0	0	0	515	
	Gelama/Tengkerong/Selampai	1,779	8	47	33	598	5	0	75	355	4	0	0	0	0	0	2,904	
	Gerut-Gerut	107	0	0	0	53	0	0	41	38	0	0	0	0	0	0	239	
	Jenahak	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	4	
	Kaci	195	0	0	0	0	0	0	74	17	0	0	0	0	0	0	286	
	Kerapu	525	0	0	0	15	0	1	282	483	0	0	0	0	0	0	1,306	
	Kerisi	9,865	0	0	0	545	24	0	1,298	2,291	0	0	0	0	0	0	13,823	
	Kerisi Bai	409	0	0	0	0	0	0	50	101	0	0	0	0	0	0	560	
	Kikek	533	5	1	0	175	3	0	3	9	0	0	0	0	0	0	729	
	Malong	99	0	0	0	0	0	0	6	1	0	0	0	0	0	0	106	
	Merah	764	0	0	0	18	0	1	1,027	857	0	0	0	0	0	0	2,667	
	Mengkerong/Conor/Ubi-Ubi	628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	628	
	Remong/Kunyit-Kunyit/Tanda	1,134	9	0	0	173	1	1	198	53	0	0	0	0	0	0	1,569	
	Semilang	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Puntong Damar/Bulus	867	98	0	0	124	0	0	0	0	0	0	0	0	0	0	889	
	Pasir-Pasir/Timun-Timun	484	0	0	0	2	0	0	148	2	0	0	0	0	0	0	636	
	Alu-Alu/Kacang-Kacang	518	21	0	0	151	0	4	5	29	0	0	0	0	0	0	728	
34	Aruan Task	53	122	0	0	24	0	0	13	85	0	0	0	0	0	0	297	
	Bawal	146	308	0	3	321	78	0	0	29	4	0	0	0	0	0	889	
	Belanak/Kedera	1	3	0	0	3	0	2	0	0	0	0	0	0	0	0	9	
	Cermin/Sagal/Cupak	1,116	97	0	0	177	2	1	87	131	0	0	0	0	0	0	1,611	

Samb.(Cont'd).Jadual(Table) 4.6.2.

	Cincaru	762	862	0	0	253	17	0	0	1,078	3	1	0	0	4	2,980
	Demudok/Rambai	108	312	0	0	331	2	0	114	364	0	0	0	0	7	1,238
	Kurau/Senangin/Senohong	1	0	16	4	9	0	0	0	0	0	0	0	0	0	30
	Pelata/Selar	999	4,782	33	1	858	236	8	10	2,541	15	0	0	0	0	9,483
	Selar Kuning/Lolong	5,122	6,983	0	0	142	6,215	58	2	28	0	0	0	0	0	18,550
	Selayang/Curut	331	24,612	0	0	1	1,802	0	0	206	0	0	0	0	0	26,952
	Pisang-Pisang	12	25	0	0	0	0	0	12	35	0	0	0	0	0	84
	Talang	15	22	0	0	29	0	1	0	76	0	0	0	0	0	143
35	Bilis/Bunga Air	69	0	3,012	0	0	10	88	0	0	0	0	0	0	0	3,179
	Parang-Parang	266	0	0	1	976	1	0	0	104	0	0	0	0	0	1,348
	Tamban	28	8,430	1,108	0	4	402	35	0	36	0	0	0	0	0	10,043
	Bulan-Bulan	3	0	0	0	3	0	0	2	1	0	0	0	0	0	9
36	Aya/Kayu/Tongkol	10	2,737	0	0	1,848	13	0	0	5,351	0	0	0	0	0	9,959
	Layaran/Mersulj	13	0	0	0	2	0	0	0	118	0	0	0	0	0	133
37	Kembong/Temenong/Pelaling	569	9,671	90	7	233	136	3	0	168	0	0	0	0	0	10,877
	Tenggit	332	334	0	0	783	2	0	9	2,158	0	0	0	0	0	3,618
	Timah/Layor/Selayor	397	10	0	0	163	8	0	0	4	4	3	0	0	0	589
38	Parl	2,177	0	0	4	46	0	1	8	29	3	0	0	0	0	2,268
	Yu	674	2	0	0	166	0	0	4	99	1	0	0	0	0	946
39	Ikan Baja	75,427	207	0	621	0	0	0	1	0	1,817	0	0	0	0	78,073
	Ikan Campur	6,536	5,248	19	0	1,026	100	8	480	610	38	0	0	0	0	14,083
	Jebong	323	0	0	0	0	0	0	142	1	0	0	0	0	0	466
42	Ketam	1,083	0	0	0	38	0	2	79	0	0	0	0	0	1	1,203
45	Udang Karang/Lobok	369	0	0	0	5	0	0	3	0	0	0	0	0	0	377
	Udang Putih	247	0	0	0	197	0	0	0	0	10	0	0	0	0	454
	Udang Minyak	703	0	0	0	0	0	0	0	0	83	0	0	0	0	786
	Udang Merah Ros	52	0	0	0	0	0	0	0	0	0	0	0	0	0	52
	Udang Kulit Keras	1,430	0	0	0	78	0	0	0	0	3	0	0	0	0	1,511
	Udang Harimau	215	0	0	0	33	0	0	0	0	3	0	0	0	0	251
	Lain-Lain Jenis Udang	2,457	0	0	0	191	0	0	0	0	1,223	0	0	0	0	3,871
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Stiput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kereta	14	0	0	0	0	10	0	0	0	0	0	0	0	0	24
	Sotong Katak	4,181	0	0	0	0	58	1	332	3	2	0	0	0	0	4,577
	Sotong Biasa	9,410	224	0	0	0	2,402	18	176	1,124	1	5	0	0	0	13,360
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	137,435	65,183	4,333	681	10,606	11,534	248	5,088	19,148	3,217	9	0	0	68	257,550

* Pendaratan kurang dari 0.5 tan metrik.

SARAWAK
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1989
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.3

ISSCAAP GROUP NO.	Jenis Ikan Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-perangkap Traps		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	Jumlah (Tan M)
			Pukat Jerut Ikan	Pukat Jerut Bilis	Lain Pukat Tarik			Belat- Belat	Bubu							
	Nama Tempatan Local Name		Purse Seine Fish	Purse Seine Anchovy	Other Seines			Stationary	Portable							Total (Tonnes)
34	24 Kebas/Selangat	0	0	0	0	148	0	1	0	0	0	0	0	0	0	149
	Puput/B. Maba/Tirok	886	0	0	0	633	0	13	0	0	0	0	0	0	0	1,532
	25 Terubok	12	0	0	0	753	0	0	0	0	0	0	0	0	0	765
	31 Siakap	0	0	0	0	35	0	0	0	49	0	1	0	0	0	85
	33 Lidah	36	0	0	0	3	0	2	0	0	0	0	0	0	0	41
	Sebelah	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	27	0	0	0	0	0	0	0	0	0	0	0	0	0	27
	Delah/Pinang-Pinang	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Daun Baharu	21	0	0	0	3	0	0	0	0	0	0	0	0	0	24
	Duri/Pukutan/Utik	923	0	0	0	1,181	0	100	0	83	0	11	0	0	0	2,298
	Gelama/Tengkerong/Selampai	3,563	0	0	0	172	0	44	0	0	0	7	0	0	0	3,786
	Gerut-Gerut	11	0	0	0	37	0	0	0	7	0	5	0	0	0	60
	Jenahak	9	0	0	0	6	0	0	0	28	0	0	0	0	0	43
	Kaci	0	0	0	0	0	0	0	0	14	0	0	0	0	0	14
	Kerapu	12	0	0	0	25	0	0	0	63	0	4	0	0	0	104
	Kerisi	53	0	0	0	58	0	0	0	16	0	0	0	0	0	127
	Kerisi Bali	1	0	0	0	0	0	0	0	5	0	0	0	0	0	6
	Kkek	21	0	0	0	2	0	26	0	0	0	0	0	0	0	49
	Lumi-Lumi	486	0	0	0	69	0	53	0	0	105	804	0	0	0	1,517
	Malong	850	0	0	0	307	0	0	0	0	0	0	0	0	0	1,157
	Merah	229	0	0	0	25	0	0	0	222	0	4	0	0	0	480
	Pelanduk	3	0	0	0	0	0	0	0	41	0	0	0	0	0	44
	Semilang	0	1	0	0	12	0	39	0	1	0	10	0	0	0	63
	Shrumbu/Lemah	145	0	0	0	2	0	6	0	1	0	341	0	0	0	496
	Kapas	219	0	0	0	5	0	0	0	0	0	0	0	0	0	224
34	Aku-Aku/Kacang-Kacang	1	0	0	0	11	0	0	0	7	0	0	0	0	0	19
	Bawal	886	416	0	0	769	0	17	0	0	0	0	244	0	0	2,332
	Belanak/Kedera	0	0	0	0	62	0	15	0	0	0	0	0	0	0	77
	Cermin/Sagai/Cupak	16	0	0	0	1	0	0	0	0	0	0	0	0	0	17
	Gerongga	34	14	0	0	224	0	0	0	0	0	0	1	0	0	273

Samb.(Cont'd) Jadual (Table) 4.8.3.

	Cincaru	507	263	0	0	304	0	0	0	4	0	0	5	0	0	1,083
	Demudok/Rambai	33	0	0	0	46	0	0	0	14	0	0	0	0	0	93
	Kurau/Senangin/Senohong	9	0	0	0	537	0	7	0	4	0	0	0	0	0	557
	Pelata/Selar	288	207	0	0	48	0	31	0	0	0	0	3	0	0	577
	Selar Kuning/Lolong	20	202	0	0	0	0	0	0	0	0	0	7	0	0	229
	Selayang/Curut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	22	2	0	0	320	0	0	0	32	0	0	0	0	0	376
	Todak/Banang	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Tamban	242	912	0	0	594	0	32	0	4	0	0	7	0	0	1,791
35	Blis/Bunga Air	120	2	0	0	399	0	95	0	0	0	0	12	0	0	628
	Parang-Parang	79	0	0	0	361	0	0	0	0	0	0	0	0	0	440
	Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	47	636	0	0	549	0	0	0	280	0	0	0	0	0	1,512
	Tenggiri	838	4	0	0	1,648	0	9	0	12	0	0	0	0	0	2,511
37	Kembong/Temenong/Pelaling	630	38	0	0	709	0	0	0	0	0	0	4	0	0	1,381
	Timah/Layor/Selayor	206	0	0	0	86	0	14	0	0	0	0	0	0	0	306
	Yu	414	0	0	0	965	0	0	0	37	0	0	0	0	0	1,406
38	Pari	1,539	0	0	0	384	0	8	0	127	0	4	0	0	0	2,062
39	Ikan Baja	8,387	0	0	0	17	0	35	0	0	438	0	0	0	0	8,877
	Ikan Campur	6,525	2	0	0	1,023	0	383	0	85	90	0	0	0	0	8,108
42	Ketam	76	0	0	0	145	0	0	39	0	0	1	0	0	0	261
45	Udang Karang/Lobok	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	Udang Harimau	8	0	0	0	0	0	0	0	0	7	0	0	0	0	15
	Udang Putih	1,984	181	0	0	760	0	41	0	0	6	24	1	0	5	3,002
	Udang Sua Lor	540	0	0	0	0	0	0	0	0	0	0	0	0	0	540
	Udang Merah Ros	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Udang Kulit Keras	1,839	0	0	0	0	0	4	0	0	6	0	0	0	0	1,849
	Udang Kuning	120	0	0	0	0	0	3	0	0	0	0	0	0	0	123
	Udang Cendana/Rotan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah/Payak	9,555	0	0	0	7	0	25	0	0	2,448	2	0	0	0	12,037
	Udang Pasir	26	0	0	0	0	0	0	0	0	0	0	0	0	0	26
	Udang Minyak	868	0	0	0	0	0	0	0	0	0	0	0	0	0	868
	Udang Baring	0	0	0	0	0	0	81	0	0	555	0	41	0	0	877
	Udang Galah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
57	Sotong Biasa	1,362	0	0	0	0	0	0	0	0	0	0	0	0	0	1,362
	Sotong Katak	219	0	0	0	0	0	0	0	0	0	0	0	0	0	219
	Sotong Kereta	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
76	Ubur-Ubur	6,016	0	0	0	36	0	2	0	147	638	548	3,798	0	7	11,192
	Jamah	348	484	0	0	19	0	0	0	0	0	0	162	0	0	1,013
	Perencong	0	0	0	0	144	0	0	0	3	0	0	0	0	0	147
	Panjang	0	3	0	0	1,002	0	0	0	0	0	0	0	0	0	1,005
	Pelayak	17	0	0	0	200	0	3	0	0	0	0	0	0	0	220
	Impirang	13	0	0	0	256	0	81	0	0	7	310	0	0	0	689
	Bulu Ayam	5	0	0	0	181	0	161	0	0	0	74	0	0	0	421
	Kilat	492	0	0	0	89	0	9	0	0	0	0	0	0	0	590
	Bulu	49	0	0	0	23	0	27	0	0	0	0	0	0	0	99
	Emprit	3	0	0	0	214	0	14	0	0	0	15	0	0	0	246
Jumlah Tan M/Total Tonnes		51,918	3,367	0	0	15,601	0	1,381	39	1,286	4,300	2,165	4,285	2	12	84,356

WILAYAH PERSEKUTUTAN LABUAN/LABUAN FEDERAL TERRITORY
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1989
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.4

ISSCAAP GROUP NO.	Jenis Ikan Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik/Seine Nets				Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-perangkap Traps		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampalan Miscel- lanæous	Jumlah (Tan M)
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Belat- Belat Stationary			Bubu Portable	Total (Tonnes)							
24	Kebasi/Selangat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puput/B. Mata/Tirok	7	21	0	0	3	0	0	0	0	0	0	0	0	0	0	31
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
31	Lidah	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
33	Sebelah	25	0	0	0	4	0	0	0	0	0	0	0	0	0	0	29
	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	322
34	Daun Baharu	21	0	0	0	1	0	0	0	0	0	0	0	0	0	0	22
	Delah/Pinang-Pinang	0	0	0	0	52	0	0	0	0	57	0	0	0	0	0	109
	Duri/Pulutan/Utik	74	0	0	0	10	0	0	0	0	4	0	0	0	0	0	88
	Dengkis/Debam	0	0	0	0	85	0	24	8	35	0	0	0	0	0	0	152
	Gelama/Tengerong/Selampai	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114
	Gerut-Gerut	28	0	0	0	6	0	1	0	0	0	0	0	0	0	0	35
	Jenahak	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	Kaci	3	0	0	0	10	0	0	0	6	0	0	0	0	0	0	19
	Kerapu	34	0	0	0	16	0	1	7	327	0	0	0	0	0	0	385
	Kerisi	83	0	0	0	2	0	0	0	70	0	0	0	0	0	0	155
	Kerisi Bali	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Kikek	66	0	0	0	13	0	0	0	0	0	0	0	0	0	0	79
	Malong	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Merah	43	0	0	0	4	0	0	13	336	0	0	0	0	0	0	396
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	4	0	1	0	9	0	0	0	0	0	0	14
	Semilang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrumbu/Lemah	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	6
	Puntong Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	4	0	0	0	0	13	0	2	0	35	0	0	0	0	0	54
	Alu-Alu/Kacang-Kacang	32	0	0	0	0	13	0	1	0	11	0	0	0	0	0	57
	Aruan Tasik	1	0	0	0	0	2	0	0	0	4	0	0	0	0	0	7
	Bawal	9	24	0	0	0	118	0	0	0	0	0	0	0	0	0	151
	Belanak/Kedera	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
	Cermin/Sagai/Cupak	13	0	0	0	0	25	0	2	2	69	0	0	0	0	0	111

Samb.(Cont'd) Jadual (Table) 4.8.4.

	Cincaru	45	0	0	0	89	0	0	0	9	0	0	0	0	0	143
	Demudok/Rambai	25	0	0	0	3	0	2	1	8	0	0	0	0	0	39
	Kurau/Senangin/Senohong	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pelata/Selar	13	19	0	0	1	0	0	0	0	0	0	0	0	0	33
	Selar Kuning/Lolong	25	33	0	0	284	0	0	0	19	0	0	0	0	0	361
	Selayang/Curut	8	99	0	0	438	0	0	0	20	0	0	0	0	0	565
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	0	0	0	0	53	0	0	0	45	0	0	0	0	0	98
35	Bilia/Bunga Air	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
	Parang-Parang	9	0	0	0	8	0	0	0	0	0	0	0	0	0	17
	Tamban	0	13	0	0	531	0	0	0	4	0	0	0	0	0	548
	Bulan-Bulan	3	0	0	0	2	0	0	0	0	0	0	0	0	0	5
36	Aya/Kayu/Tongkol	0	10	0	0	207	0	0	0	53	0	0	0	0	0	270
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	24	330	0	0	349	0	0	0	171	0	0	0	0	0	874
	Tenggiri	55	3	0	0	411	0	0	0	236	0	0	0	0	0	705
	Timah/Layor/Selayor	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
38	Parl	57	0	0	0	5	0	1	0	1	0	0	0	0	0	64
	Yu	30	0	0	0	20	0	0	0	7	0	0	0	0	0	57
39	Ikan Baja	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	Ikan Campur	140	0	0	0	103	0	3	1	128	0	0	0	0	0	375
	Jebong	11	0	0	0	0	0	0	1	2	0	0	0	0	0	14
42	Ketam	25	0	0	0	1	0	0	0	0	0	0	0	0	0	26
45	Udang Karang/Lobok	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
	Udang Putih	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	227	0	0	0	0	0	0	0	0	0	0	0	0	0	227
	Udang Harimau	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
	Lain-Lain Jenis Udang	206	0	0	0	0	0	0	0	0	0	0	0	0	4	210
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	70	0	0	0	7	0	2	0	0	0	0	0	0	0	79
	Sotong Biasa	100	0	0	0	5	0	0	0	15	0	0	0	0	0	120
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	2,019	552	0	0	2,918	0	40	33	1,681	0	0	0	0	9	7,252

JADUAL (TABLE) 4.7

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN JENIS IKAN, 1989
FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1989

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative no. of fishing units	70,172	15,829	36,059	9,257	7,190	1,837
	Cumulative no. of trips	1,207,775	306,706	707,141	126,270	64,537	3,121
	Cumulative no. of days	1,479,627	308,866	804,634	192,530	148,626	24,971
	Cumulative no. of hauls	4,389,471	852,330	2,320,340	602,861	547,431	66,509
	Jenis Ikan/Species:						
24	Kebasi/Selangat	785	64	325	301	90	5
	Puput/B. Mata/Tirok	3,634	26	348	1,360	1,745	155
	Terubok	0	0	0	0	0	0
25	Slakap	11	1	1	1	1	7
31	Lidah	1,223	66	578	423	134	22
	Sebelah	731	26	138	194	278	95
33	Bayan	7	2	2	1	1	1
	Biji Nangka	4,046	18	713	643	2,209	463
	Daun Baharu	167	8	37	53	59	10
	Delah/Pinang-Pinang	28	3	3	4	11	7
	Duri/Pulutan/Utik	3,875	100	497	1,286	1,543	449
	Dengkis/Debam	323	1	31	79	107	105
	Gelama/Tengkerong/Selampai	7,313	449	2,293	2,559	1,789	223
	Gerut-Gerut	634	9	43	223	291	68
	Jenahak	310	1	43	62	189	15
	Kaci	242	10	12	58	111	51
	Kerapu	1,728	23	146	389	943	227
	Kerisi	17,929	731	1,987	5,370	7,507	2,334
	Kerisi Ball	856	0	1	50	420	385
	Kikek	877	27	247	259	255	89
	Malong	1,230	84	554	285	239	68
	Merah	1,741	2	60	296	1,021	362
	Mengkerong/Conor/Ubi-Ubi	3,440	28	263	763	1,852	534
	Remong/Kunyit-Kunyit/Tanda	1,344	58	261	357	389	279
	Semilang	484	6	39	66	338	35
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	944	185	251	239	243	26
	Pasir-Pasir/Timun-Timun	503	98	60	119	100	126
34	Alu-Alu/Kacang-Kacang	1,691	10	254	461	742	224
	Aruan Tasik	144	0	7	38	74	25
	Bawal	2,725	254	760	940	707	64
	Belanak/Kedera	407	56	314	26	10	1
	Cermin/Sagal/Cupak	1,575	7	256	445	586	281

Samb.(Cont'd) Jadual (Table) 4.7.

	Cencaru	2,243	31	179	827	960	246
	Demudok/Rambai	1,775	2	31	422	1,146	174
	Kurau/Senangin/Senohong	167	18	24	65	57	3
	Pelata/Selar	3,287	48	276	975	1,654	334
	Selar Kuning/Lolong	7,053	681	564	1,836	2,954	1,018
	Selayang/Curut	1,043	16	2	324	560	141
	Pisang-Pisang	69	0	0	44	11	14
	Talang	232	1	30	108	91	2
35	Billis/Bunga Air	506	12	360	83	29	22
	Parang-Parang	1,883	69	282	674	766	92
	Tamban	1,109	41	266	538	233	31
	Bulan-Bulan	7	0	1	2	2	2
36	Aya/Kayu/Tongkol	10	2	0	0	5	3
	Layaran/Mersuji	13	4	2	3	3	1
37	Kembong/Temenong/Pelaling	16,448	46	977	7,993	6,858	574
	Tenggiri	1,690	32	138	554	847	119
	Timah/Layor/Selayor	2,400	47	256	638	1,164	295
38	Pari	5,312	377	1,381	1,139	1,884	531
	Yu	1,470	40	175	423	673	159
39	Ikan Baja	232,798	18,171	51,293	58,737	87,519	17,078
	Ikan Campur	14,537	663	2,910	1,846	6,057	3,061
	Jebong	1,012	1	4	121	680	206
42	Ketam	3,331	721	1,418	697	446	49
45	Udang Karang/Lobok	399	47	80	120	114	38
	Udang Putih/Kaki Merah	1,371	216	892	170	86	7
	Udang Minyak	12,686	2,482	10,082	90	30	2
	Udang Merah Ros	344	152	180	12	0	0
	Udang Kulit Keras	3,238	1,241	1,892	72	26	7
	Udang Harimau	420	88	170	84	73	5
	Lain-Lain Jenis Udang	21,456	3,607	15,699	1,785	353	12
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	377	29	200	81	53	14
	Sotong Katak	8,283	808	1,742	2,104	2,887	742
	Sotong Biasa	25,392	920	5,440	8,138	9,255	1,639
76	Ubur-Ubur	2,979	887	2,027	65	0	0
	Jumlah Tan M. Total Tonnes	436,287	33,853	109,497	108,120	151,460	33,357

JADUAL (TABLE) 4.7.1

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN JENIS IKAN, 1989
FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1989

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative no. of fishing units	53,620	11,546	28,943	7,233	5,155	743
	Cumulative no. of trips	993,350	232,919	588,605	112,889	56,919	2,018
	Cumulative no. of days	1,192,149	235,079	678,904	152,770	111,190	14,206
	Cumulative no. of hauls	3,563,301	646,627	1,943,919	485,792	445,472	41,491
	Jenis Ikan/Species:						
24	Kebasi/Selangat	711	30	307	287	85	2
	Puput/B. Mata/Tirok	3,577	24	346	1,358	1,744	105
	Terubok	0	0	0	0	0	0
25	Slakap	4	1	1	1	1	0
31	Lidah	1,060	50	527	377	101	5
	Sebelah	267	3	36	64	146	18
33	Bayan	0	0	0	0	0	0
	Biji Nangka	2,570	8	103	254	2,077	128
	Daun Baharu	90	4	20	22	40	4
	Delah/Pinang-Pinang	8	0	0	0	8	0
	Duri/Pulutan/Utik	2,200	62	250	723	1,035	130
	Dongkai/Debam	71	0	0	5	58	8
	Gelama/Tengkerong/Selampai	5,534	321	1,515	2,073	1,520	105
	Gerut-Gerut	527	8	23	182	285	29
	Jenahak	308	1	42	62	189	14
	Kaci	47	0	1	10	29	7
	Kerapu	1,203	10	83	209	787	114
	Kerisi	8,264	15	585	1,153	5,468	1,043
	Kerisi Bali	447	0	0	18	332	97
	Kikek	344	0	0	124	215	5
	Malong	1,131	82	547	258	222	22
	Merah	977	0	7	79	752	139
	Mengkerong/Conor/Ubi-Ubi	2,812	16	179	558	1,659	400
	Remong/Kunyit-Kunyit/Tanda	210	0	6	29	159	16
	Semilang	481	6	39	65	336	35
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	277	58	98	48	66	7
	Pasir-Pasir/Timun-Timun	19	0	3	6	6	4
34	Aku-Aku/Kacang-Kacang	1,173	9	103	319	634	108
	Aruan Tasik	91	0	3	23	59	6
	Bawal	2,579	213	728	905	687	46
	Belanak/Kedera	406	56	314	26	10	0
	Cemin/Sagai/Cupak	459	1	29	41	341	47

Samb.(Cont'd) Jadual (Table) 4.7.1.

	Cencaru	1,481	30	144	593	651	63
	Demudok/Rambai	1,667	0	18	388	1,134	127
	Kurau/Senangin/Senohong	166	18	24	65	56	3
	Pelata/Selar	2,288	9	138	652	1,394	95
	Selar Kuning/Lolong	1,931	1	19	395	1,359	157
	Selayang/Curut	712	1	0	144	534	33
	Pisang-Pisang	57	0	0	43	11	3
	Talang	217	1	27	101	87	1
35	Bilis/Bunga Air	437	12	355	43	21	6
	Parang-Parang	1,617	25	230	613	703	46
	Tamban	1,081	39	264	536	227	15
	Bulan-Bulan	4	0	0	2	2	0
36	Aya/Kayu/Tongkol	0	0	0	0	0	0
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	15,879	33	958	7,790	6,688	410
	Tenggiri	1,358	5	118	483	704	48
	Timah/Layor/Selayor	2,003	44	98	554	1,079	228
38	Pari	3,135	216	870	521	1,323	205
	Yu	796	1	80	247	430	38
39	Ikan Baja	157,371	6,828	36,488	43,346	62,779	7,930
	Ikan Campur	8,001	498	1,445	809	4,089	1,160
	Jebong	689	0	3	59	539	88
42	Ketam	2,248	328	1,120	522	270	8
45	Udang Karang/Lobok	30	8	4	7	10	1
	Udang Putih/Kaki Merah	1,124	185	744	130	59	6
	Udang Minyak	11,983	2,113	9,816	54	0	0
	Udang Merah Ros	292	117	169	6	0	0
	Udang Kulit Keras	1,808	768	1,025	15	0	0
	Udang Harimau	205	24	86	42	48	5
	Lain-Lain Jenis Udang	18,999	3,219	14,265	1,452	61	2
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	363	29	200	81	53	0
	Sotong Katak	4,102	142	830	1,081	1,777	272
	Sotong Biasa	15,982	273	2,502	5,564	7,068	575
76	Ubur-Ubur	2,979	887	2,027	65	0	0
	Jumlah Tan M. Total Tonnes	298,852	16,832	79,962	75,682	112,207	14,169

JADUAL (TABLE) 4.7.2

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN JENIS IKAN, 1989
 FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1989

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative no. of fishing units	16,552	4,283	7,116	2,024	2,035	1,094
	Cumulative no. of trips	214,425	73,787	118,536	13,381	7,618	1,103
	Cumulative no. of days	287,478	73,787	125,730	39,760	37,436	10,765
	Cumulative no. of hauls	826,170	205,703	376,421	117,069	101,959	25,018
42	Jenis Ikan/Species:						
	24 Kebasi/Selangat	74	34	18	14	5	3
	Puput/B. Mata/Tirok	57	2	2	2	1	50
	Terubok	0	0	0	0	0	0
	25 Slakap	7	0	0	0	0	7
	31 Lidah	163	16	51	46	33	17
	Sebelah	464	23	102	130	132	77
	33 Bayan	7	2	2	1	1	1
	Biji Nangka	1,476	10	610	389	132	335
	Daun Baharu	77	4	17	31	19	6
	Delah/Pinang-Pinang	20	3	3	4	3	7
	Duri/Pulutan/Utik	1,675	38	247	563	508	319
	Dengkis/Debam	252	1	31	74	49	97
	Gelama/Tengkerong/Selampai	1,779	128	778	486	269	118
	Gerut-Gerut	107	1	20	41	6	39
	Jenahak	2	0	1	0	0	1
	Kad	195	10	11	48	82	44
	Kerapu	525	13	63	180	156	113
	Kerisi	9,665	716	1,402	4,217	2,039	1,291
	Kerisi Ball	409	0	1	32	88	288
	Kikek	533	27	247	135	40	84
	Malong	99	2	7	27	17	46
	Merah	764	2	53	217	269	223
	Mengkerong/Conor/Ubi-Ubi	628	12	84	205	193	134
	Remong/Kunyit-Kunyit/Tanda	1,134	58	255	328	230	263
	Semilang	3	0	0	1	2	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	667	127	153	191	177	19
	Pasir-Pasir/Timun-Timun	484	98	57	113	94	122
	34 Alu-Alu/Kacang-Kacang	518	1	151	142	108	116
	Aruan Tasik	53	0	4	15	15	19
	Bawal	146	41	32	35	20	18
	Belanak/Kedera	1	0	0	0	0	1
	Cermin/Sagai/Cupak	1,116	6	227	404	245	234

Samb.(Cont'd) Jadual (Table) 4.7.2.

43		Cencaru	762	1	35	234	309	183
		Demudok/Rambai	108	2	13	34	12	47
		Kurau/Senangin/Senohong	1	0	0	0	1	0
		Pelata/Selar	999	39	138	323	260	239
		Selar Kuning/Lolong	5,122	680	545	1,441	1,595	861
		Selayang/Curut	331	15	2	180	26	108
		Pisang-Pisang	12	0	0	1	0	11
		Talang	15	0	3	7	4	1
	35	Billis/Bunga Air	69	0	5	40	8	16
		Parang-Parang	266	44	52	61	63	46
		Tamban	28	2	2	2	6	16
		Bulan-Bulan	3	0	1	0	0	2
	36	Aya/Kayu/Tongkol	10	2	0	0	5	3
		Layaran/Mersuji	13	4	2	3	3	1
	37	Kembong/Temenong/Pelaling	569	13	19	203	170	164
		Tenggiri	332	27	20	71	143	71
		Timah/Layor/Selayor	397	3	158	84	85	67
	38	Pari	2,177	161	511	618	561	326
		Yu	674	39	95	176	243	121
	39	Ikan Baja	75,427	11,343	14,805	15,391	24,740	9,148
		Ikan Campur	6,536	165	1,465	1,037	1,968	1,901
		Jebong	323	1	1	62	141	118
	42	Ketam	1,083	393	298	175	176	41
	45	Udang Karang/Lobok	369	39	76	113	104	37
		Udang Putih/Kaki Merah	247	31	148	40	27	1
		Udang Minyak	703	369	266	36	30	2
		Udang Merah Ros	52	35	11	6	0	0
		Udang Kulit Keras	1,430	473	867	57	26	7
		Udang Harimau	215	64	84	42	25	0
		Lain-Lain Jenis Udang	2,457	388	1,434	333	292	10
		Udang Baring	0	0	0	0	0	0
	56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
	57	Sotong Kereta	14	0	0	0	0	14
		Sotong Katak	4,181	666	912	1,023	1,110	470
		Sotong Biasa	9,410	647	2,938	2,574	2,187	1,064
	76	Ubur-Ubur	0	0	0	0	0	0
Jumlah Tan M.			137,435	17,021	29,535	32,438	39,253	19,188
Total Tonnes								

JADUAL (TABLE) 4.8

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT MENGIKUT KELAS MUATAN DAN SPESIES IKAN, 1989
 FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1989

ISSCAAP GROUP	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
NO.	Cumulative fishing units	5,399	96	820	1,436	2,450	597
	Cumulative no. of trips	71,883	1,808	13,045	22,034	32,182	2,814
	Cumulative no. of days	95,459	1,808	13,045	23,518	45,976	11,112
	Cumulative no. of hauls	209,364	5,352	37,200	52,235	94,065	20,512
24	Jenis Ikan/Species:						
	Kebasi/Selangat	374	103	0	260	11	0
	Puput/B. Mata/Tirok	32	0	0	1	31	0
	Terubok	0	0	0	0	0	0
	Slakap	0	0	0	0	0	0
	Lidah	0	0	0	0	0	0
	Sebeilah	0	0	0	0	0	0
	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	0	0	0	0	0	0
	Delah/Pinang-Pinang	2	0	0	1	1	0
	Duri/Pulutan/Utik	51	0	1	0	0	50
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	8	0	0	0	8	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	0	0	0	0	0	0
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	0	0	0	0	0	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	7	0	0	2	5	0
	Malong	0	0	0	0	0	0
	Merah	0	0	0	0	0	0
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	9	0	4	5	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	98	0	0	0	0	98
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
	Alu-Alu/Kacang-Kacang	69	0	10	3	35	21
	Aruan Tasik	122	0	0	2	0	120
	Bawal	471	0	46	51	314	60
	Belanak/Kedera	352	292	24	36	0	0
	Cermin/Sagai/Cupak	97	0	11	33	45	8

Samb.(Cont'd) Jadual (Table) 4.8.

	Cencaru	2,729	0	202	322	1,776	429
	Demudok/Rambai	320	0	58	122	140	0
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	6,957	0	755	1,603	3,492	1,107
	Selar Kuning/Lolong	8,018	0	927	1,933	3,973	1,185
	Selayang/Curut	37,511	0	2,726	5,753	19,341	9,691
	Pisang-Pisang	150	0	0	0	98	52
	Talang	37	0	12	2	10	13
35	Billis/Bunga Air	97	0	0	97	0	0
	Parang-Parang	3	0	0	2	1	0
	Tamban	10,846	0	1,029	3,415	5,674	728
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	6,121	0	407	823	3,459	1,432
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	24,446	135	1,625	6,828	12,858	3,000
	Tenggiri	421	0	18	64	324	15
	Timah/Layor/Selayor	11	0	4	2	4	1
38	Pari	0	0	0	0	0	0
	Yu	2	0	0	0	2	0
39	Ikan Baja	5,565	698	371	1,584	2,011	901
	Ikan Campur	5,380	0	355	1,442	2,627	956
	Jebong	0	0	0	0	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih/Kaki Merah	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-Lain Jenis Udang	0	0	0	0	0	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	306	0	97	78	107	24
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M. Total Tonnes	110,612	1,228	8,682	24,464	56,347	19,891

JADUAL (TABLE) 4.8.1

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT MENGIKUT KELAS MUATAN DAN SPESIES IKAN, 1989
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1989

ISSCAAP GROUP	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
NO.	Cumulative fishing units	2,303	96	44	742	1,421	276
	Cumulative No. of trips	32,870	1,808	856	12,104	18,102	1,422
	Cumulative No. of days	43,754	1,808	856	12,602	28,488	6,119
	Cumulative No. of hauls	82,872	5,352	2,496	22,096	52,928	9,192
24	Jenis Ikan/Species:						
	Kebasi/Selangat	374	103	0	260	11	0
	Puput/B. Mata/Tirok	32	0	0	1	31	0
	Terubok	0	0	0	0	0	0
	25 Siakap	0	0	0	0	0	0
	31 Lidah	0	0	0	0	0	0
	Sebelah	0	0	0	0	0	0
	33 Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	0	0	0	0	0	0
	Delah/Pinang-Pinang	0	0	0	0	0	0
	Duri/Pulutan/Utik	0	0	0	0	0	0
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	0	0	0	0	0	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	0	0	0	0	0	0
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	0	0	0	0	0	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	2	0	0	2	0	0
	Malong	0	0	0	0	0	0
	Merah	0	0	0	0	0	0
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Aku-Aku/Kacang-Kacang	48	0	0	0	28	20
	Aruan Tasik	0	0	0	0	0	0
	Bawal	163	0	0	16	122	25
	Belanak/Kedera	349	292	24	33	0	0
	Cermin/Sagai/Cupak	0	0	0	0	0	0

Samb.(Cont'd) Jadual (Table) 4.8.1.

	Cencaru	1,867	0	0	138	1,344	385
	Demudok/Rambai	8	0	0	0	8	0
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	2,175	0	0	198	1,528	449
	Selar Kuning/Lolong	1,035	0	0	6	718	311
	Selayang/Curut	12,899	0	0	1,252	7,827	3,820
	Pisang-Pisang	125	0	0	0	73	52
	Talang	15	0	0	0	2	13
35	Bilis/Bunga Air	97	0	0	97	0	0
	Parang-Parang	3	0	0	2	1	0
	Tamban	2,416	0	9	736	1,291	380
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	3,384	0	0	218	2,726	440
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	14,775	135	104	4,506	8,248	1,782
	Tenggiri	87	0	0	1	72	14
	Timah/Layor/Selayor	1	0	0	0	1	0
38	Pari	0	0	0	0	0	0
	Yu	0	0	0	0	0	0
39	Ikan Baja	5,358	698	232	1,584	2,004	840
	Ikan Campur	134	0	0	56	47	31
	Jebong	0	0	0	0	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih/Kaki Merah	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-Lain Jenis Udang	0	0	0	0	0	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	82	0	0	2	63	17
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M. Total Tonnes	45,429	1,228	369	9,108	26,145	8,579

JADUAL (TABLE) 4.8.2

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT MENGIKUT KELAS MUATAN DAN SPESIES IKAN, 1989
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1989

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative fishing units	2,820	0	776	694	1,029	321
	Cumulative no. of trips	37,591	0	12,189	9,930	14,080	1,392
	Cumulative no. of days	45,586	0	12,189	10,916	17,488	4,993
	Cumulative no. of hauls	117,300	0	34,704	30,139	41,137	11,320
	Jenis Ikan/Species:						
24	Kebasi/Selangat	0	0	0	0	0	0
	Puput/B. Mata/Tirok	0	0	0	0	0	0
	Terubok	0	0	0	0	0	0
25	Slakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	0	0	0	0	0	0
33	Bayan	0	0	0	0	0	0
	Blji Nangka	0	0	0	0	0	0
	Daun Baharu	0	0	0	0	0	0
	Delah/Pinang-Pinang	2	0	0	1	1	0
	Duri/Pulutan/Utik	51	0	1	0	0	50
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	8	0	0	0	8	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	0	0	0	0	0	0
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	0	0	0	0	0	0
	Kerisi Bali	0	0	0	0	0	0
	Kkek	5	0	0	0	5	0
	Malong	0	0	0	0	0	0
	Merah	0	0	0	0	0	0
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	9	0	4	5	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	98	0	0	0	0	98
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Aku-Aku/Kacang-Kacang	21	0	10	3	7	1
	Aruan Tasik	122	0	0	2	0	120
	Bawal	308	0	46	35	192	35
	Belanak/Kedera	3	0	0	3	0	0
	Cermin/Sagai/Cupak	97	0	11	33	45	8

Samb.(Cont'd) Jadual (Table) 4.8.2.

	Cencaru	862	0	202	184	432	44
	Demudok/Rambai	312	0	58	122	132	0
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	4,782	0	755	1,405	1,964	658
	Selar Kuning/Lolong	6,983	0	927	1,927	3,255	874
	Selayang/Curut	24,612	0	2,726	4,501	11,514	5,871
	Pisang-Pisang	25	0	0	0	25	0
	Talang	22	0	12	2	8	0
35	Billis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	0	0	0	0	0	0
	Tamban	8,430	0	1,020	2,679	4,383	348
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	2,737	0	407	605	733	992
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	9,671	0	1,521	2,322	4,610	1,218
	Tenggiri	334	0	18	63	252	1
	Timah/Layor/Selayor	10	0	4	2	3	1
38	Pari	0	0	0	0	0	0
	Yu	2	0	0	0	2	0
39	Ikan Baja	207	0	139	0	7	61
	Ikan Campur	5,246	0	355	1,386	2,580	925
	Jebong	0	0	0	0	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih/Kaki Merah	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-Lain Jenis Udang	0	0	0	0	0	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	224	0	97	76	44	7
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M. Total Tonnes	65,183	0	8,313	15,356	30,202	11,312

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN: BILANGAN TRIP MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI DALAM TAHUN, 1989
 FISHING EFFORT: NUMBER OF TRIPS BY TYPE OF GEAR AND BY STATE IN 1989

JADUAL (TABLE) 5.1

Jenis Perkakas Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik (Seine Nets)										Perangkap- Perangkap Traps				Pancing	Pukat Bekul	Pukat Rentang	Pukat Surung	Memungut Sliput	Rampaian	
						Pukat Jerut Ikan Purse Seine-Fish					Pukat Jerut Bilis Purse Seine Anchovy					Lain- Lain Pukat Tarik Other Seines	Pukat Hanyut	Pukat Tangguk	Belat- Belat							Hooks & Lines
Negeri/State	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above				Drift/ Gill Nets	Lift Nets	Stationary	Portable	Bag Nets	Barrier Nets	Push/ Scoop Nets	
Perlis	18484	31036	7129	0	0	0	0	5127	3802	1432	0	0	0	0	0	1176	57171	0	834	0	807	0	1551	1210	1184	635
Kedah	21742	42327	30240	23673	102	0	0	0	3406	192	0	0	0	5362	13828	8892	241708	0	0	0	4283	15300	2180	464	0	12627
P.Pinang/ Penang	0	0	21080	2159	510	0	960	3458	1968	0	0	0	0	0	0	27651	423318	0	0	2290	10474	40275	32014	1881	2479	3892
Perak	78626	343947	33900	32067	1408	1848	0	1519	14569	89	0	0	0	8352	0	125585	385730	0	0	8917	47431	13804	16132	33416	4480	34134
Selangor	83779	119970	38629	14522	455	0	0	1824	2850	0	0	0	0	0	0	2362	193906	0	1428	799	9227	25496	4058	2718	273	836
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1022	27908	0	0	795	987	0	0	0	0	488
Malaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1139	130880	0	580	0	16466	0	64	31546	0	0
Johor Barat/ West Johore	27493	60476	701	0	1091	0	0	0	0	0	0	0	0	0	0	1712	217728	0	4620	578	1690	9031	64	25202	0	0
Kelantan	0	37502	602	0	87	0	0	553	832	203	0	0	0	0	0	0	57181	2430	2676	575	25830	0	0	0	0	0
Terengganu	6616	41593	2359	299	288	0	9051	734	5094	762	549	3859	0	0	0	0	42296	5319	0	15423	83429	180	0	0	0	0
Pahang	35176	13102	9299	4197	945	0	0	6967	3851	1168	0	1170	621	0	0	59	27614	2270	0	7591	17752	0	0	0	0	0
Johor Timur/ East Johore	21669	13178	4410	14911	6036	0	1584	1678	3789	198	0	0	0	0	0	528	68442	202	5966	918	21789	40065	0	0	0	70

* GRT - Gross Relative Tonnage

JADUAL (TABLE) 5.2

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN: BILANGAN HARI MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI DALAM TAHUN, 1989
 FISHING EFFORT: NUMBER OF FISHING DAYS BY TYPE OF GEAR AND BY STATE IN 1989

Jenis Perakasan Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik (Seine Nets)										Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-Perangkap Trape		Pancing Hooks & Lines	Pukat Bekul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampalan Miscellaneous	
						Pukat Jerut Ikan Purse Seine-Fish					Pukat Jerut Biliu Purse Seine Anchovy							Lain-Lain Pukat Tarik Other Seines	Belat-Belat Stationary							Bubu Portable
Negeri/State	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	Pukat Tarik Other Seines										
Perlis	24,208	123,884	12,554	0	0	0	0	8,190	13,382	5,823	0	0	0	0	0	1,385	100,055	0	1,205	0	2,217	0	2,076	730	0	685
Kedah	22,630	54,883	47,964	29,575	258	0	0	0	2,640	1,920	0	0	0	4,925	13,516	11,013	241,708	4,260	0	0	14,613	14,940	6,439	0	199	13,032
P.Pinang/ Penang	0	0	21,405	988	2,040	0	938	3,193	2,816	0	0	0	0	0	0	39,290	423,318	0	0	2,481	9,217	20,280	0	5,793	2,287	3,235
Perak	74,738	337,838	28,325	64,587	13,169	1,808	0	1,001	8,932	1,040	0	0	0	4,277	0	10,530	385,730	0	0	13,247	53,725	12,376	16,280	34,010	7,918	32,790
Selangor	88,074	102,924	42,015	16,040	4,280	0	0	498	936	0	0	0	0	0	0	2,708	195,253	0	1,212	2,907	11,591	29,862	3,591	5,812	834	7,477
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	787	27,716	0	0	534	828	0	0	0	0	509
Malaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,139	132,498	0	506	0	19,748	0	91	28,067	0	0
Johor Barat/ West Johore	24,433	59,355	507	0	0	0	0	0	0	0	0	0	0	0	0	1,119	220,913	0	2,716	3,578	1,786	6,006	38	25,428	0	1,370
Kelantan	0	48,803	4,094	0	688	0	0	1,251	2,340	1,007	0	0	0	0	0	0	56,687	3,399	0	1,922	40,344	0	180	0	0	0
Terengganu	4,424	45,570	8,225	1,418	1,354	0	10,813	8,140	6,848	3,180	370	3,844	0	0	0	0	42,296	6,422	0	31,347	172,784	0	0	0	0	0
Pahang	50,158	21,086	10,756	9,625	5,983	0	0	365	3,733	4,550	0	345	359	0	0	0	27,499	3,504	0	9,717	24,282	0	0	0	0	0
Johor Timur/ East Johore	19,205	17,371	18,685	28,393	3,970	0	1,296	880	4,539	3,640	0	0	0	0	0	0	72,972	358	5,624	2,118	22,800	22,467	54	0	0	267

* GRT - Gross Relative Tonnage

SEMIJANG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN: BILANGAN KALI MEMUKAT IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI DALAM TAHUN, 1989
FISHING EFFORT: NUMBER OF HAULS BY TYPE OF GEAR AND BY STATE IN 1989

JADUAL (TABLE) 5.3

52

Jenis Perakas Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik (Seine Nets)										Pukat Hanyut Drift Gill Nets	Pukat Tangguk Lift Nets	Perangkap- Perangkap Traps		Pancing Hooks & Lines	Pukat Bekul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/ Scoop Nets	Memungut Siput Shellfish Collection	Rampasan Miscellaneous		
						Pukat Jerut Ikan Purse Seine-Fish					Pukat Jerut Bilis Purse Seine Anchovy							Lain- Lain Pukat Tarik Other Seines	Belat- Belat Stationary							Bubu Portable	
	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above												Stationary
Negeri/State	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	Other Seines											
Perlis	73,437	259,405	38,710	0	0	0	0	12,714	22,044	8,681	0	0	0	0	0	1,365	216,864	0	2,105	0	0	0	2,076	730	0	0	
Kedah	67,880	188,778	188,088	95,370	774	0	0	0	5,500	447	0	0	0	13,217	36,128	98,322	484,324	9,060	0	0	0	29,880	6,499	0	0	0	
P.Pinang/ Penang	0	0	64,215	2,984	582	0	2,736	7,258	5,534	0	0	0	0	0	0	750,780	1,021,868	0	0	2,218	0	60,840	0	57,658	0	0	
Perak	226,244	1,083,778	100,837	232,188	34,195	5,352	0	1,851	18,149	114	0	0	0	34,828	0	177,355	784,649	0	0	0	0	12,376	21,682	192,536	0	0	
Selangor	217,053	254,238	122,948	54,920	1,235	0	0	1,173	2,157	0	0	0	0	0	0	26,258	751,672	0	2,424	4,607	0	118,732	4,033	82,334	0	0	
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70,928	0	0	2,734	0	0	0	0	0	0	
Malaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257,759	0	506	0	0	0	91	24,216	0	0	
Johor Barat/ West Johore	61,903	177,722	1,014	0	0	0	0	0	0	0	0	0	0	0	0	7,884	678,590	0	3,794	595	0	7,789	38	14,781	0	0	
Kelantan	0	143,989	10,851	0	1,881	0	0	2,152	3,519	1,326	0	0	0	0	0	0	188,567	10,572	0	35	0	0	540	0	0	0	
Terengganu	13,722	140,861	28,029	3,823	4,001	0	32,439	24,705	19,485	9,466	1,165	11,895	0	0	0	0	77,872	19,784	0	0	0	0	0	0	0	0	
Pahang	134,388	52,000	27,534	21,608	12,083	0	0	1,095	10,209	249	0	937	1,013	0	0	0	65,004	10,512	0	300	0	0	0	0	0	0	
Johor Timur/ East Johore	57,815	55,091	50,855	76,530	9,558	0	2,025	1,487	7,468	377	0	0	0	0	0	0	263,048	1,526	32,925	0	0	22,487	324	0	0	0	

* GRT - Gross Relative Tonnage

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA PURATA IKAN DI PANTAI MENGIKUT BULAN, 1989
MONTHLY AVERAGE EX-VESSEL PRICES OF FRESH FISH, 1989
(Harga Dalam \$/Kg/Prices At \$/Kg)

JADUAL (TABLE) 6.1

Jenis-Jenis Ikan Species	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	Septembe September	Oktober October	November November	Disember December	Purata 1989 Average 1989
Bawal Putih	7.44	11.81	10.30	8.90	9.52	10.84	9.03	8.83	7.58	10.04	7.91	9.93	9.34
Bawal Hitam	5.50	4.94	4.93	4.79	5.39	4.57	4.64	4.66	4.87	4.59	4.67	5.24	4.90
Kerapu	5.20	5.45	5.47	5.91	5.50	5.49	5.70	5.25	5.19	5.25	5.22	5.29	5.41
Tenggiri	5.26	5.03	4.94	4.96	4.73	4.92	4.65	4.49	5.00	4.92	5.15	4.84	4.91
Jenahak	4.03	5.67	5.38	5.47	5.22	4.50	5.86	5.69	4.97	5.22	5.12	5.35	5.21
Merah	4.33	3.63	3.68	3.53	3.65	3.67	3.10	3.43	3.53	3.09	3.59	3.89	3.59
Kaci	1.14	2.15	2.26	2.30	2.27	1.99	1.65	1.69	2.12	2.21	2.01	2.38	2.01
Cermin	2.18	1.98	2.54	2.98	2.44	2.41	2.32	2.18	2.99	2.50	2.31	2.92	2.48
Gelama	1.14	0.98	0.97	0.89	0.85	0.98	0.83	1.08	0.99	0.93	0.92	0.88	0.95
Kembong	1.67	1.45	1.66	1.55	1.59	2.12	1.79	1.71	1.51	1.39	1.32	1.32	1.59
Kerisi	1.93	1.73	1.56	1.58	1.46	1.61	1.43	1.43	1.65	1.50	1.48	1.48	1.57
Selayang	0.76	0.76	0.69	0.65	0.66	0.62	0.69	0.79	0.86	0.58	0.75	0.74	0.71
Tamban	0.23	0.44	0.35	0.29	0.34	0.28	0.34	2.87	0.36	0.28	0.28	0.25	0.53
Selar/Pelata	1.28	1.12	1.16	1.30	1.35	1.34	1.19	1.32	1.39	1.13	1.35	1.47	1.28
Sotong	1.69	1.74	1.69	1.77	1.84	1.79	1.93	1.78	1.84	1.65	1.73	1.80	1.77
Aya/Tongkol	1.48	1.20	0.87	0.79	0.90	1.16	0.97	1.00	1.13	1.30	1.21	1.14	1.10
Udang Putih	19.51	19.16	19.50	19.27	18.68	16.33	16.51	16.19	16.35	15.77	15.79	16.31	17.45
Udang Harimau	18.15	20.36	19.61	18.72	18.01	16.43	18.38	17.62	17.76	16.96	16.77	17.20	18.00
Lain-Lain Udang	2.21	2.40	2.32	2.28	2.34	2.32	2.29	2.41	2.83	2.90	2.99	2.42	2.48

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA BORONG PURATA IKAN BASAH DI PASAR MENGIKUT BULAN, 1989
MONTHLY AVERAGE WHOLESALE PRICES OF FRESH FISH AT MARKET, 1989
(Harga Dalam \$/Kg/Prices At \$/Kg)

JADUAL (TABLE) 6.2

Jenis-Jenis Ikan Species	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Purata 1989 Average 1989
Bawal Putih	7.66	13.27	10.27	9.80	10.41	10.51	9.94	9.24	10.82	10.06	10.39	10.40	10.23
Bawal Hitam	6.03	5.37	5.54	5.82	6.04	5.27	5.14	5.26	5.42	5.10	5.61	5.07	5.47
Kerapu	5.89	6.15	6.43	7.49	6.04	6.08	6.50	6.11	6.43	6.41	6.58	6.71	6.40
Tenggiri	5.93	5.96	5.31	5.77	5.68	5.41	5.50	5.91	5.76	5.96	5.76	5.66	5.72
Jenahak	4.46	6.48	6.30	5.94	5.86	5.42	6.57	5.94	5.51	5.96	5.86	5.92	5.85
Merah	4.85	4.23	4.40	4.10	4.17	4.36	4.14	4.14	4.10	4.04	4.59	4.96	4.34
Kaci	1.45	2.86	3.26	2.74	2.45	2.41	2.39	2.62	2.57	2.87	2.92	3.22	2.65
Germin	2.89	2.17	3.26	3.40	2.20	2.83	3.00	3.08	3.38	2.99	2.92	3.86	3.00
Gelama	1.74	1.47	1.45	1.54	1.47	1.51	1.25	1.33	1.35	1.43	1.25	1.35	1.43
Kembong	2.17	2.01	2.22	2.28	2.06	1.92	2.16	2.12	1.99	2.05	1.86	1.87	2.06
Kerisi	2.36	2.34	2.19	2.32	2.20	2.40	2.20	2.31	2.62	2.17	2.16	2.33	2.30
Selayang	1.17	1.27	1.21	1.10	1.05	1.27	1.18	1.28	1.31	1.22	1.32	1.16	1.21
Tamban	0.39	0.86	0.50	0.53	0.70	0.45	0.63	0.47	0.50	0.52	0.44	0.41	0.53
Selar/Pelata	1.49	1.48	1.47	1.80	1.82	1.85	1.66	1.62	1.69	1.54	2.15	2.06	1.72
Sotong	2.15	2.13	2.17	2.25	2.29	2.20	2.45	2.29	2.43	2.36	2.27	2.22	2.27
Aya/Tongkol	2.03	1.78	1.21	1.20	1.56	1.62	1.42	1.48	1.36	1.64	1.51	1.56	1.53
Udang Putih	19.49	20.04	20.90	19.79	19.93	17.57	17.93	17.81	17.71	17.45	17.78	17.53	18.66
Udang Harimau	22.09	23.97	22.28	20.48	20.04	17.55	21.45	19.88	20.79	19.16	20.37	20.17	20.69
Lain-Lain Udang	2.74	3.11	2.87	2.83	2.79	2.87	2.85	2.96	3.25	2.90	3.22	3.13	2.96

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA RUNCIT PURATA IKAN BASAH DI PASAR MENGIKUT BULAN, 1989
MONTHLY AVERAGE RETAIL PRICES OF FRESH FISH AT MARKET, 1989
(Harga Dalam \$/Kg/Prices At \$/Kg)

JADUAL (TABLE) 6.3

Jenis-Jenis Ikan Species	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Purata 1989 Average 1989
Bawal Putih	9.03	14.32	11.19	11.69	12.45	11.86	11.53	11.76	15.09	11.36	12.95	13.81	12.25
Bawal Hitam	6.99	6.50	6.58	6.77	7.20	6.78	6.04	6.69	6.64	7.37	6.95	6.35	6.74
Kerapu	7.03	7.88	7.83	9.41	7.87	7.16	7.85	7.79	7.97	8.01	8.25	8.61	7.97
Tenggiri	7.34	6.89	6.12	6.84	6.77	6.71	6.71	7.66	7.22	7.12	7.20	6.85	6.95
Jenahak	5.56	7.88	7.47	7.34	6.98	7.09	7.83	7.36	7.15	7.38	7.59	7.37	7.25
Merah	5.75	5.40	5.40	4.88	5.28	5.38	5.02	5.23	5.08	5.05	5.70	6.04	5.35
Kaci	1.90	3.94	4.34	3.59	3.98	3.66	3.42	3.49	3.48	3.75	3.81	4.19	3.63
Cermin	3.71	3.38	4.12	4.07	3.68	3.69	3.52	3.78	4.14	3.70	3.91	4.85	3.88
Gelama	2.41	2.08	2.44	2.20	2.03	2.16	2.08	2.10	1.98	2.04	2.04	2.22	2.15
Kembong	2.81	2.73	3.00	2.96	2.95	2.89	2.88	3.42	3.30	2.78	3.34	3.77	3.07
Kerisi	3.17	3.01	3.07	3.19	2.94	3.22	3.04	3.13	3.10	2.99	2.98	3.46	3.11
Selayang	1.62	1.74	1.76	1.63	1.54	1.63	1.60	1.78	1.78	1.77	1.84	1.55	1.69
Tamban	0.63	0.98	0.76	0.86	1.21	0.70	1.24	0.81	0.81	0.98	1.28	0.83	0.92
Selar/Pelata	1.93	1.97	1.96	2.36	2.38	2.50	2.34	2.26	2.17	2.09	2.87	2.64	2.29
Sotong	2.75	2.89	2.77	2.98	2.94	2.76	3.16	3.13	3.14	3.21	3.23	3.09	3.00
Aya/Tongkol	2.43	2.11	1.62	1.46	1.59	1.90	2.04	2.08	1.91	2.01	2.02	1.84	1.92
Udang Putih	22.05	23.23	23.39	22.13	22.28	19.84	20.24	19.44	19.55	21.34	16.44	19.67	20.80
Udang Harimau	16.39	27.80	25.21	22.74	22.26	20.92	23.88	22.05	23.64	23.67	25.11	23.69	23.11
Lain-Lain Udang	3.38	3.58	3.41	3.38	3.33	3.54	3.52	3.39	3.73	3.53	3.93	3.78	3.54

SARAWAK
HARGA BORONG PURATA IKAN BASAH DI PASAR-PASAR MENGIKUT DAERAH, 1989
AVERAGE WHOLESALE PRICES OF FRESH FISH AT MARKET BY DISTRICTS, 1989

Jadual (Table) 6.4

g	JENIS IKAN (SPECIES)									Purata (Average)
		Kuching	Btg Lupar	Sibu	Mukah	Miri	Bintulu	Limbang	Lawas	
	Bawal Putih	11.26	14.00	10.76	7.08	8.33	11.97	0.00	0.00	10.57
	Bawal Hitam	5.18	6.31	5.78	4.31	4.77	4.69	0.00	0.00	5.17
	Kerapu	3.15	0.00	0.00	1.92	4.06	3.49	0.00	0.00	3.16
	Tenggiri	3.45	4.00	3.02	3.36	3.94	3.24	0.00	0.00	3.50
	Jenahak	2.45	0.00	3.60	2.65	3.75	0.00	0.00	0.00	3.11
	Merah	3.58	0.00	2.50	2.19	3.33	2.52	0.00	0.00	2.82
	Kaci	2.43	0.00	0.00	1.27	4.00	0.00	0.00	0.00	2.57
	Cermin/Sagai/Cupak	2.40	0.00	3.15	0.00	2.00	0.00	0.00	0.00	2.52
	Gelama	1.77	2.44	1.39	1.16	1.38	0.72	0.00	2.28	1.59
	Kembong	2.50	3.05	2.10	2.41	3.55	2.70	5.00	5.00	3.29
	Kerisi	2.05	0.00	1.20	1.91	3.71	0.00	0.00	2.00	2.17
	Selayang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tamban	1.47	0.00	0.00	1.03	0.00	0.00	0.00	2.00	1.50
	Pelata/Selar	2.20	3.00	1.48	1.79	2.20	1.46	0.00	0.00	2.02
	Sotong	2.68	3.75	1.49	1.72	2.80	2.48	0.00	0.00	2.49
	Tongkol/Kayu/Aya	2.41	0.00	1.80	1.94	3.06	2.35	0.00	5.50	2.84
	Udang Putih	11.16	0.00	11.39	10.00	0.00	0.00	7.72	7.70	9.59
	Udang Harimau Sedang	0.00	3.50	15.00	0.00	0.00	0.00	0.00	0.00	9.25
	Udang Cendana/Rotan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lain-Lain Udang	3.88	3.17	3.61	4.38	3.69	4.50	0.00	0.00	3.87

SARAWAK
HARGA RUNCIT PURATA IKAN BASAH DI PASAR-PASAR MENGIKUT DAERAH, 1989
AVERAGE RETAIL PRICES OF FRESH FISH AT MARKET BY DISTRICTS, 1989

Jadual (Table) 6.5

JENIS IKAN (SPECIES)									Purata (Average)
	Kuching	Btg Lupa	Sibu	Mukah	Miri	Bintulu	Limbang	Lawas	
Bawal Putih	14.92	16.00	12.16	10.77	15.00	15.68	0.00	0.00	14.09
Bawal Hitam	7.49	8.76	5.97	6.02	8.11	7.02	0.00	0.00	7.23
Kerapu	5.63	0.00	0.00	3.72	7.62	4.84	0.00	0.00	5.45
Tenggiri	4.61	5.45	5.63	5.39	7.22	5.76	0.00	0.00	5.68
Jenahak	4.43	0.00	6.00	5.15	7.75	0.00	0.00	0.00	5.83
Merah	6.35	0.00	3.83	3.98	5.88	4.33	0.00	0.00	4.87
Kaci	3.10	0.00	0.00	2.40	7.00	0.00	0.00	0.00	4.17
Cermin/Sagai/Cupak	3.20	0.00	3.30	0.00	3.88	0.00	0.00	0.00	3.46
Gelama	2.26	3.88	2.55	2.28	2.88	1.39	0.00	4.71	2.85
Kembong	4.08	4.15	3.48	4.20	6.22	4.31	6.20	6.00	4.83
Kerisi	3.27	0.00	1.97	3.83	6.42	0.00	0.00	3.50	3.80
Selayang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tamban	2.28	0.00	0.00	2.05	0.00	0.00	0.00	4.00	2.78
Pelata/Selar	3.54	4.20	2.50	3.58	4.20	2.55	0.00	0.00	3.43
Sotong	3.76	5.55	2.93	3.23	4.73	3.71	0.00	0.00	3.99
Tongkol/Kayu/Aya	3.10	0.00	2.44	3.56	5.60	4.51	0.00	6.50	4.29
Udang Putih	19.16	0.00	15.57	15.00	0.00	0.00	13.55	12.50	15.16
Udang Harimau Sedang	0.00	4.00	18.00	0.00	0.00	0.00	0.00	0.00	11.00
Udang Cendana/Rotan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lain-Lain Udang	4.21	4.37	4.62	5.30	5.11	5.43	0.00	0.00	4.84

MALAYSIA
NILAI HARGA BORONG PENDARATAN IKAN LAUT, 1989
WHOLESALE VALUE OF MARINE FISH LANDINGS, 1989

JADUAL (TABLE) 7.1

Negeri/State	Gred I (Grade I)		Gred II (Grade II)		Gred III (Grade III)		Udang (Prawn)		Ikan Baja (Manure Fish)		Karang-Karangan (Shellfish)		Jumlah/Total	
	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$
Perlis	1,060	5,005,897	2	4,906	33,473	44,203,099	2,828	13,035,952	4,997	1,173,256	0	0	42,360	63,423,110
Kedah	1,611	9,306,176	107	258,157	42,140	52,494,605	4,462	37,682,000	26,975	9,441,096	320	399,341	75,615	109,581,375
P. Pinang/Penang	580	6,806,498	32	187,621	16,404	24,885,521	5,858	38,904,774	15,707	3,860,448	43	97,870	38,624	74,742,732
Perak	5,163	31,006,205	3,388	12,239,408	70,705	144,314,585	30,528	141,288,424	89,004	26,222,615	186	200,755	198,974	355,271,992
Selangor	2,923	21,533,316	464	835,949	47,243	45,910,724	24,153	65,750,878	37,634	9,812,629	229	111,287	112,646	143,954,783
Negeri Sembilan	90	633,673	4	17,440	98	160,357	29	510,655	0	0	0	0	221	1,322,125
Melaka/Malacca	711	5,943,607	15	70,666	863	1,461,569	400	2,752,759	0	0	0	0	1,989	10,228,601
Johor Barat/ West Johore	1,339	10,978,097	79	270,883	6,346	10,401,557	5,650	26,371,102	5,491	707,256	0	0	18,905	48,728,895
Jumlah Kecil	13,477	91,213,469	4,091	13,885,030	217,272	323,832,017	73,908	326,296,544	179,808	51,217,300	778	809,253	489,334	807,253,613
Kelantan	2,218	10,076,797	1,723	4,051,628	25,826	39,696,337	1,665	14,071,646	1,550	213,242	0	0	32,982	68,109,650
Terengganu	2,170	14,034,086	2,348	10,355,414	65,630	139,217,115	634	5,024,400	8,033	1,045,360		268	78,815	169,676,643
Pahang	1,481	8,400,147	634	2,453,550	36,350	67,896,043	1,333	10,185,641	28,932	5,717,690	0	0	68,730	94,653,071
Johor Timur/ East Johore	1,359	8,763,782	1,054	4,799,566	31,310	54,321,328	3,728	19,446,989	39,572	6,829,899	0	0	77,023	94,161,564
Jumlah Kecil	7,228	41,274,812	5,759	21,660,158	159,116	301,130,823	7,360	48,728,676	78,087	13,806,191	0	268	257,550	426,600,928
Sarawak	5,944	20,266,000	3,029	11,000,000	47,355	124,923,000	19,149	63,731,000	8,877	4,616,000	2	4,000	84,356	224,540,000
Sabah	3,621	21,830,000	3,202	15,020,000	17,591	62,661,000	11,594	82,787,000	6,499	1,300,000	1,493	2,633,000	44,000	186,231,000
W.P Labuan	1,261	5,450,843	571	2,380,018	4,920	10,327,306	499	3,037,117	1	283	0	0	7,252	21,195,567
Jumlah Kecil	10,826	47,546,843	6,802	28,400,018	69,866	197,911,306	31,242	149,555,117	15,377	5,916,283	1,495	2,637,000	135,608	431,966,567
Jumlah Besar	31,531	180,035,124	16,652	63,945,206	446,254	822,874,146	112,510	524,580,337	273,272	70,939,774	2,273	3,446,521	882,492	1,665,821,108

NOTA/NOTE:

- Gred 1 Termasuk Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin/Kurau, Tenggiri, Parang dan Kerapu.
 (Grade 1) Includes Chinese Pomfret, Silver Pomfret, Black Pomfret, Threadfin, Spanish Mackerel, Wolf Herring and Grouper.
 Gred 11 Termasuk Jenahak, Terubuk, Puput-Puput, Merah, Kaci, Cermin, Demuduk dan Slakap
 (Grade 11) Includes Mangrove Snapper, Longtail Shad, Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.
 Gred 111 Lain-lain ikan termasuk ikan Bilis, Sotong, Ketam dan Ubor-Ubor.
 (Grade 111) Other species including Anchovy, Squids, Crabs, and Jellyfish.

MALAYSIA
NILAI HARGA RUNCIT PENDARATAN IKAN LAUT, 1989
RETAIL VALUE OF MARINE FISH LANDINGS, 1989

JADUAL (TABLE) 7.2

Negeri/State	Gred I (Grade I)		Gred II (Grade II)		Gred III (Grade III)		Udang (Prawn)		Ikan Baja (Manure Fish)		Karang-Karangan (Shellfish)		Jumlah/Total	
	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$
Perlis	1,060	6,322,808	2	7,210	33,473	62,402,187	2,828	16,290,008	4,997	1,173,256	0	0	42,360	86,185,470
Kedah	1,611	12,007,780	107	380,299	42,140	80,926,958	4,462	45,287,908	26,975	9,411,096	320	655,310	75,615	148,669,349
P. Pinang/Penang	580	7,448,863	32	213,142	18,404	31,062,174	5,858	43,176,758	15,707	3,860,448	43	114,150	38,624	85,875,535
Perak	5,163	41,840,859	3,388	17,323,842	70,705	235,821,707	30,528	187,073,050	89,004	26,222,615	186	303,545	198,974	508,585,618
Selangor	2,923	24,297,290	464	1,058,606	47,243	59,632,855	24,153	76,559,490	37,634	9,812,629	229	176,104	112,646	171,536,974
Negeri Sembilan	90	755,009	4	19,608	98	206,767	29	555,728	0	0	0	0	221	1,537,112
Malaka/Malacca	711	6,649,228	15	82,658	863	1,925,808	400	3,008,106	0	0	0	0	1,989	11,665,800
Johor Barat/ West Johore	1,339	12,373,973	79	341,857	6,346	10,401,557	5,650	30,524,893	5,491	707,256	0	0	18,905	54,349,536
Jumlah Kecil	13,477	111,695,811	4,091	19,427,222	217,272	482,380,011	73,908	402,475,941	179,808	51,187,300	778	1,249,109	489,334	1,068,415,394
Kelantan	2,218	11,175,556	1,723	4,701,983	25,826	47,258,999	1,665	14,499,786	1,550	213,242	0	0	32,982	77,849,566
Terengganu	2,170	15,506,189	2,348	11,588,597	65,630	164,673,969	634	5,542,300	8,033	1,045,360	326	326	78,815	198,356,741
Pahang	1,481	11,793,075	634	3,289,491	36,350	103,501,893	1,333	12,712,035	28,932	5,717,690	0	0	68,730	137,014,184
Johor Timur/ East Johore	1,359	10,632,991	1,054	5,977,890	31,310	85,983,927	3,728	24,894,988	39,572	6,829,899	0	0	77,023	134,119,695
Jumlah Kecil	7,228	49,107,811	5,759	25,557,961	159,116	401,418,788	7,360	57,449,109	78,087	13,806,191	0	326	257,550	547,340,186
Sarawak	5,944	29,479,000	3,029	19,218,000	47,355	103,727,000	19,149	95,674,000	8,877	4,616,000	2	6,000	84,356	252,720,000
Sabah	3,621	25,374,000	3,202	17,688,000	17,591	76,150,000	11,594	99,542,000	6,499	1,300,000	1,493	3,094,000	44,000	223,148,000
W.P Labuan	1,261	7,611,811	571	3,525,142	4,920	16,613,881	499	4,055,165	1	283	0	0	7,252	28,286,060
Jumlah Kecil	10,826	62,464,811	6,802	40,501,008	69,866	196,490,881	31,242	199,271,165	15,377	5,916,283	1,495	3,100,000	135,608	504,154,060
Jumlah Besar	31,531	223,268,433	16,652	85,486,191	446,254	1,080,289,680	112,510	659,196,215	273,272	70,909,774	2,273	4,349,435	882,492	2,119,909,640

NOTA/NOTE:

- Gred I Termasuk Bawal Tembak, Bawal Putih, Bawal Hitam, Serangin/Kurau, Tenggiri, Perang dan Kerapu.
(Grade I) Includes Chinese Pomfret, Silver Pomfret, Black Pomfret, Threadfin, Spanish Mackerel, Wolf Herring and Grouper.
Gred II Termasuk Jenahak, Terubuk, Puput-Puput, Merah, Kedi, Cemrin, Demuduk dan Siakap.
(Grade II) Includes Mangrove Snapper, Longtail Shad, Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.
Gred III Lain-lain ikan termasuk Ikan Bili, Solong, Ketam dan Ubor-Ubor.
(Grade III) Other species including Anchovy, Squids, Crabs and Jellyfish.

* Harga runcit untuk ikan baja tidak ada/(There is no retail for trash fish).

SEMANJUNG MALAYSIA/PENINSULAR MALAYSIA
NILAI PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN GRED IKAN, 1989
VALUE OF MARINE FISH LANDINGS BY GEAR GROUP AND GRADE OF FISH, 1989

JADUAL (TABLE) 7.3

Pendaratan dan Nilai Landings and Values		Pukat Tarik/Purse Seine				Perangkap/Traps				Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampasan Miscellaneous	Jumlah Total
		Pukat Tunda Trawl Nets	Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat-Belat Stationary	Bubu Portable							
Gred I (Grade I)	Tonnes	8,193	895	16	16	7,296	133	19	626	3,100	13	0	0	0	0	20,307
	N.B.\$	32,383,270	5,719,050	102,240	102,240	46,621,440	849,870	121,410	4,000,140	19,809,000	83,070	0	0	0	0	129,761,730
	N.R.\$	63,699,610	6,954,150	124,320	124,320	56,689,920	1,033,410	147,630	4,864,020	24,087,000	101,010	0	0	0	0	157,785,300
Gred II (Grade II)	Tonnes	9,288	449	0	0	1,549	4	2	1,730	1,788	1	21	0	0	7	14,839
	N.B.\$	33,436,800	1,616,400	0	0	5,576,400	14,400	7,200	6,228,000	6,436,800	3,600	75,600	0	0	25,000	53,420,200
	N.R.\$	42,446,160	2,051,930	0	0	7,078,930	18,280	9,140	7,906,100	8,171,160	4,570	95,970	0	0	31,900	67,814,230
Gred III (Grade III)	Tonnes	146,094	103,703	30,007	452	30,576	11,450	392	3,841	17,257	4,753	501	21	0	23,679	372,726
	N.B.\$	242,516,040	172,146,980	49,811,620	750,320	50,756,160	19,007,000	650,720	8,378,060	28,646,620	7,899,980	831,660	34,860	0	39,307,140	618,725,160
	N.R.\$	343,320,900	243,702,050	70,516,450	1,062,200	71,853,600	26,907,500	921,200	9,026,350	40,553,950	11,169,550	1,177,350	49,350	0	55,645,650	875,906,100
Ukang (Prawn)	Tonnes	39,914	0	0	10,937	6,996	0	430	3	0	21,251	142	1,517	0	1	80,791
	N.B.\$	184,003,540	0	0	50,419,570	30,407,560	0	1,982,300	13,830	0	97,967,110	654,620	6,993,370	0	4,610	372,446,510
	N.R.\$	227,509,800	0	0	62,340,900	37,597,200	0	2,451,000	17,100	0	121,130,700	809,400	8,646,900	0	5,700	480,508,700
Ikan Beja (Mussel Fish)	Tonnes	232,798	5,565	0	7,755	4,506	0	48	2	0	6,054	225	486	0	0	257,439
	N.B.\$	58,199,500	1,391,250	0	1,938,750	1,126,500	0	12,000	500	0	1,513,500	56,250	121,500	0	0	64,359,750
	N.R.\$	58,199,500	1,391,250	0	1,938,750	1,126,500	0	12,000	500	0	1,513,500	56,250	121,500	0	0	64,359,750
Karang- Karangan (Shellfish)	Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	782	0	782
	N.B.\$	0	0	0	0	0	0	0	0	0	0	0	0	797,640	0	797,640
	N.R.\$	0	0	0	0	0	0	0	0	0	0	0	0	1,251,200	0	1,251,200
JUMLAH TOTAL	Tonnes	436,287	110,612	30,023	19,160	50,523	11,587	891	6,202	22,145	32,072	869	2,024	782	23,687	746,884
	N.B.\$	570,509,150	180,873,690	49,913,980	53,210,880	134,488,060	19,871,270	2,773,630	16,618,530	54,892,420	107,457,260	1,618,130	7,149,730	797,640	39,336,750	1,239,510,990
	N.R.\$	735,135,970	254,099,380	70,640,770	65,466,170	174,346,150	27,959,190	3,540,970	21,814,070	72,812,110	133,919,330	2,138,970	8,817,750	1,251,200	55,683,340	1,627,625,370

N.B.\$ - Nilai Harga Borong Dalam Ringgit/Wholesale Value in Ringgit

N.R.\$ - Nilai Harga Runcit Dalam Ringgit/Retail Value in Ringgit

* Harga runcit untuk ikan beja tidak ada/There is no retail price for mussel fish

MALAYSIA
SIRI TAHUNAN PENDARATAN IKAN LAUT DAN NILAI
ANNUAL SERIES OF MARINE FISH LANDINGS AND VALUES
(Nilai Dalam Ringgit/Value In Ringgit)

JADUAL (TABLE) 8

Negeri/State	1985		1986		1987		1988		1989	
	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value
Pantai Barat (West Coast):										
Perlis	34,318	72,624,804	29,065	70,816,510	66,856	69,615,500	40,731	60,302,609	42,360	63,423,110
Kedah	54,859	135,299,687	55,327	120,454,070	94,091	103,044,610	72,775	82,999,613	75,615	109,581,375
Pulau Pinang/Penang	23,832	65,553,212	20,868	58,380,270	29,752	53,409,330	22,230	33,712,136	38,624	74,742,732
Perak	149,159	358,075,555	135,889	316,887,440	203,774	251,514,600	179,982	239,564,023	198,974	355,271,992
Selangor	43,983	100,531,825	64,260	136,156,450	87,157	126,893,470	90,891	119,725,532	112,646	143,954,783
Negeri Sembilan	407	2,356,191	323	1,998,360	352	1,723,200	310	4,587,610	221	1,322,125
Melaka/Malacca	2,163	10,237,060	2,201	10,463,090	2,444	9,429,020	2,482	11,285,828	1,989	10,228,601
Johor Barat/West Johore	18,403	48,400,775	16,114	37,711,920	15,439	28,183,440	20,787	40,425,329	18,905	48,728,895
Jumlah Kecil/Sub-Total:	327,124	793,079,109	324,047	752,868,110	499,865	643,813,170	430,188	592,602,680	489,334	807,253,613
Pantai Timur/East Coast:										
Kelantan	9,461	17,462,532	10,223	21,385,490	23,166	37,313,420	18,002	35,006,988	32,982	68,109,650
Terengganu	80,794	159,443,662	52,228	132,662,080	115,016	162,157,710	83,456	114,138,454	78,815	169,676,643
Pahang	16,353	29,649,805	30,935	54,370,850	66,519	84,478,400	95,047	113,776,964	68,730	94,653,071
Johor Timur/East Johore	29,129	51,493,303	28,943	56,485,640	36,005	56,673,140	67,756	123,018,284	77,023	94,161,564
Jumlah Kecil/Sub-Total:	135,737	258,049,302	122,329	264,904,060	240,706	340,622,670	264,261	385,940,690	257,550	426,600,928
Sarawak	62,893	128,800,000	67,971	155,500,000	69,443	187,900,000	79,642	190,109,180	84,356	224,540,000
Sabah	48,600	157,750,000	46,900	163,500,000	47,640	165,500,000	48,000	197,000,000	44,000	186,231,000
W.P. Labuan	*	*	720	2,500,000	1,360	4,700,000	3,540	10,216,326	7,252	21,195,567
Jumlah Kecil/Sub-Total:	111,493	286,550,000	115,591	321,500,000	118,443	358,100,000	131,182	397,325,506	135,608	431,966,567
Jumlah Besar/Grand-Total:	574,354	1,337,678,411	561,967	1,339,272,170	859,014	1,342,535,840	825,631	1,375,868,876	882,492	1,665,821,108

MALAYSIA
PENDARATAN DAN NILAI IKAN LAUT MENGIKUT NEGERI BAGI TAHUN 1989
LANDINGS AND VALUES OF MARINE FISH BY STATE FOR THE YEAR 1989

Jadual (Table) 9

Kuantiti Dan Peratus Quantity And Percentage	Pantai Barat/West Coast								Pantai Timur/East Coast							Jumlah Besar
	Perlis	Kedah	P.Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore	Kelantan	Terengganu	Pahang	Johor Timur East Johore	Sarawak	Sabah	W.P. Labuan	Grand Total
Pendaratan dalam Tan M. Landing In Tonnes	42,360	75,615	38,624	198,974	112,646	221	1,989	18,905	32,982	78,815	68,730	77,023	84,356	44,000	7,252	882,492
Peratus Percentage	4.80%	8.57%	4.38%	22.55%	12.76%	0.03%	0.23%	2.14%	3.74%	8.83%	7.79%	8.73%	9.56%	4.99%	0.82%	100.00%
Nilai dalam Ringgit Value In Ringgit	63,423,110	109,581,375	74,742,732	355,271,992	143,954,783	1,322,125	10,228,601	48,728,895	68,109,650	169,676,643	94,653,071	94,161,564	224,540,000	186,231,000	21,195,567	1,665,821,108
Peratus Percentage	3.81%	6.58%	4.49%	21.33%	8.64%	0.08%	0.61%	2.93%	4.09%	10.19%	5.68%	5.65%	13.48%	11.18%	1.27%	100.00%

SEMIANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENGUNAAN PENDARATAN IKAN LAUT, 1989
DISPOSITION OF MARINE FISH LANDINGS, 1989
Timbangan dalam Tan Metrik/Weight in Tonnes

Jadual (Table) 10.1

Cara Penggunaan Disposition Channel	Pantai Barat/West Coast								Jumlah Kecil Sub-Total	Pantai Timur/East Coast				Jumlah Kecil Sub-Total	Jumlah Besar Grand Total
	Pertis	Kedah	Pulau Pinang Penang	Perak	Selangor Darul Ehsan	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore		Kelantan	Terengganu	Pahang Darul Makmur	Johor Timur East Johore		
Diguna secara hidup Disposed alive	-	-	-	-	-	-	-	-	0	-	-	-	-	0	0
Diguna secara basah Disposed fresh	42,259	35,182	33,168	79,692	60,163	221	1,190	16,863	268,758	32,160	73,656	56,595	40,877	203,288	472,046
Diguna untuk dibekukan Disposed for freezing	-	-	-	5,295	-	-	-	-	5,295	-	-	-	-	0	5,295
Diguna untuk mengering Disposed for canning	-	-	-	-	-	-	-	-	0	-	-	-	-	0	0
Diguna untuk diawetkan Disposed for curing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kering/Masin/Diasap Dried/Salted/Smoked	80	17,512	1,022	19,554	4,630	-	15	380	43,193	327	2,909	1,299	97	4,632	47,825
Pekus Steamed/Bolled	14	-	-	-	-	-	-	-	14	-	-	-	-	0	14
Ditagikan Fermented	7	7	2,256	10	8,416	-	784	740	12,220	333	330	-	891	1,554	13,774
Lain-Lain Others	-	1	-	5,660	-	-	-	922	6,783	162	1,920	280	247	2,609	9,392
Diguna untuk mengubahkan Disposed for reduction	-	19,200	1,724	65,175	31,965	-	-	-	118,084	-	-	10,556	34,911	45,487	163,551
Diguna untuk lain-lain Disposed for others	-	3,713	454	23,388	7,432	-	-	-	34,987	-	-	-	-	0	34,987
Jumlah (Tan Metrik) Total (Tonnes)	42,369	75,615	39,624	198,974	112,646	221	1,989	18,905	489,334	32,982	78,815	68,730	77,023	257,550	746,884

SEMANAJUNG MALAYSIA/PENINSULAR MALAYSIA
HASIL LAUT YANG DIAWETKAN, 1989
PROCESSED MARINE FISH PRODUCTS, 1989
 Timbangan dalam Tan Metrik/Weight in Tonnes

Jadual (Table) 10.2

Negari(State)	Ikan Masin/ Ikan Kering (Salted/ Dried Fish)	Bila Kering (Dried Anchovies)	Ikan Rebus (Boiled Fish)	Ikan Baja (Marine Fish)	Tapung Ikan (Fish Meal)	Udang Kering (Dried Prawn)	Otak Udang (Prawn Paste)	Belacan (Shrimp Paste)	Keropok(Crackers)		Cincaluk (Pickled Prawn)	Botong Kering (Dried Cuttle- Fish)	Budu (Fermented Anchovies)	Ubur- Ubur (Dried Jelly Fish)	Lala Kering (Dried Shell- fish)	Bebola Ikan (Fish Ball)	Botong Beku (Frozen Cuttle- Fish)	Selay Ikan (Salty Fish)	Udang Beku (Frozen Prawn)	Jumlah (Total)
									Ikan (Fish)	Udang (Prawn)										
Pantai Barat/ West Coast:																				
Perlis	48	0	12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	62
Kedah	1,089	3,905	0	2,228	4,800	0	0	2	0	0	0	0	0	0	0	0	0	0	0	12,015
Pulau Pinang	348	0	0	273	431	87	87	508	0	0	0	0	0	9	0	0	0	0	0	1,723
Perak	1,888	2,913	0	14,033	18,294	1,145	1	512	0	0	0	46	0	0	0	2,797	158	647	3,019	48,447
Selangor	374	0	0	4,488	7,996	146	0	2,603	0	0	0	0	0	320	13	0	0	0	0	18,911
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaka/Malacca	0	0	0	0	0	0	0	222	0	0	28	0	0	0	0	0	0	0	0	258
Johor Barat/ West Johore	47	4	0	0	184	0	0	230	9	14	6	0	0	29	0	46	0	18	0	587
Jumlah Kecil/ Sub-Total	3,788	6,821	12	20,988	28,715	1,378	88	4,171	10	14	34	46	0	367	13	2,843	158	865	3,019	74,113
Pantai Timur/ East Coast:																				
Kelantan	188	0	0	0	0	0	0	0	105	0	0	0	100	0	0	0	0	0	0	401
Terengganu	238	558	0	0	0	0	0	0	1,248	0	0	75	98	0	0	0	0	0	0	2,210
Pahang	518	108	0	0	2,698	0	0	0	115	0	0	0	0	0	0	82	0	0	0	3,443
Johor Timur/ East Johore	0	24	0	0	8,728	0	0	285	161	0	0	0	0	0	0	0	0	0	0	9,198
Jumlah Kecil/ Sub-Total	947	690	0	0	11,527	0	0	285	1,629	0	0	75	198	0	0	82	0	0	0	15,252
Jumlah Besar/ Grand-Total	4,735	7,510	12	20,988	41,082	1,378	88	4,456	1,639	14	34	121	198	367	13	2,925	158	865	3,019	89,365

JADUAL (TABLE) 11

MALAYSIA
KILANG-KILANG AIR BATU DAN KEMUDAHAN-KEMUDAHAN PENYEJOKKAN SEHINGGA 31-12-1989
ICE FACTORIES AND REFRIGERATION FACILITIES AS AT 31-12-1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

Negeri/State	Daya Pengeluaran Harian (Daily Production Capacity)				Kemudahan Menyimpan (Storage Capacity)		
	Bil. (No.)	Kuantiti (Quantity)	Timbangan/Blok Dalam Kg. (Weight/Block In Kg.)	Harga se Blok (Price/Block) \$	Bil. (No.)	Kuantiti (Quantity)	
						Ais (Ice)	Ikan (Fish)
Perlis	3	119	145	4.30	15	341	270
Kedah	5	190	100	5.06	64	604	818
P. Pinang/Penang	6	288	145	6.70	13	940	5121
Perak	15	560	45 - 110	5.60	32	2871	3390
Selangor	5	248	40 - 165	6.54	33	323	441
Melaka/Malacca	2	77	145	8.00	31	77	237
N. Sembilan	1	28	101	6.40	17	21	26
Johor Barat/ West Johore	4	144	28 - 75	0.00	8	137	0
Johor Timur/ East Johore	3	220	28 - 30	0.00	12	253	0
Pahang	6	407	45 - 136	5.69	6	699	100
Terengganu	7	282	100 - 150	7.02	7	2630	2
Kelantan	13	171	45 - 135	4.56	11	495	5130
Sarawak	43	407	3 - 36	2.71	20	790	2100
Sabah	0	311	50 - 64	3.72	-	1070	1845
Jumlah/Total:	113	3452	-	-	269	11251	19480

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HASIL PERIKANAN DALAM RINGGIT, 1989
(Fisheries Revenue in Ringgit, 1989)

JADUAL (TABLE) 12

Jenis Hasil (Type of Revenue)		HASIL NEGERI (STATE REVENUE)				HASIL PERIKANAN (FEDERAL REVENUE)					Jumlah Besar (Grand Total)
Negeri/State		Perahu (Boat)	Perikanan (Fishing)	Patil Perahu (Boat No. Plate)	Jumlah (Total)	Ikan (Fish)	Bayaran Pindah Milik & lain2 (Boat transfer fee & Miscel.)	Kompaun/Denda (Compound or Fine)	Jualan Pelbagai (Miscellaneous)	Jumlah (Total)	
Perlis		19,865.50	136,273.00	793.00	156,931.50	0.00	0.00	0.00	0.00	0	156,931.50
Kedah		48,602.50	354,396.00	2,507.00	405,505.50	1,884.00	0.00	558,400.00	1,800.00	562084	967,589.50
P. Pinang/ Penang		20,740.50	63,003.00	1,865.00	85,608.50	960.00	0.00	61,900.00	800.00	63660	149,268.50
Perak		95,871.00	405,745.00	5,617.00	507,233.00	777.00	0.00	233,500.00	0.00	234277	741,510.00
Selangor		52,419.00	60,574.00	2,860.00	115,853.00	0.00	0.00	89,800.00	14.00	89814	205,667.00
Negeri Sembilan		865.50	516.00	232.00	1,613.50	0.00	0.00	0.00	0.00	0	1,613.50
Melaka/Malacca		2,735.00	1,551.00	1,129.00	5,415.00	0.00	0.00	4,100.00	0.00	4100	9,515.00
Kelantan		15,251.50	219,071.00	1,717.00	236,039.50	33,040.50	0.00	34,600.00	0.00	67640.5	303,680.00
Terengganu		31,454.50	61,228.00	2,303.00	94,985.50	27,196.25	44.00	78,600.00	30.00	105870.25	200,855.75
Pahang		38,559.00	469,901.00	1,112.00	509,572.00	0.00	7,985.00	143,700.00	63,798.00	215483	725,055.00
Johor/Johore		75,343.00	330,374.00	5,177.00	410,894.00	8,414.00	0.00	180,160.00	0.00	188574	599,468.00
Jumlah Besar (Grand Total)		401,707.00	2,102,632.00	25,312.00	2,529,651.00	72,271.75	8,029.00	1,384,760.00	66,442.00	1531502.75	4061153.75

MALAYSIA
 ANGGARAN BILANGAN DAN LUAS KOLAM, BEKAS LOMBONG DAN SANGKAR YANG DIUSAHAKAN
 SERTA BILANGAN PENTERNAK MENGIKUT SISTEM PENTERNAKAN DAN NEGERI 1989
 ESTIMATED NUMBER AND AREA OF PONDS, DISUSED MINING POOLS AND CAGES
 AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 1989

JADUAL (TABLE) 13.1

Negeri State	Airtawar/Freshwater									Airpayau/Brackishwater						Jumlah/Total					
	Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages			Kolam Ponds			Sangkar Cages			Kolam & Bekas Lombong Ponds & Ex-Mining Pools			Sangkar Cages		
	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area In Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area In Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area In Sq.m.	Bil. Penternak No. Of Culturists
Perlis	105	20.65	89	0	0.00	0	0	0.00	0	2	1.18	1	14	87.86	7	107	21.83	90	14	0.00	7
Kedah	770	172.49	413	8	9.88	6	16	144.00	1	150	74.42	50	865	7,207.02	49	928	256.59	469	881	7,351.02	50
Pulau Pinang/ Penang	254	32.32	180	0	0.00	0	0	0.00	0	3	0.34	3	9,425	56,766.61	125	257	32.66	183	9,425	56,766.61	125
Perak	2,923	520.33	1,946	149	257.48	126	238	2,381.44	21	125	59.19	30	3,989	36,250.40	103	3,197	837.00	2,102	4,227	38,631.84	124
Selangor	2,018	332.66	1,118	230	304.78	155	474	7,316.00	407	93	25.40	32	4,247	53,913.35	115	2,341	662.84	1,305	4,721	61,229.35	522
W.Perskutuan/ F.Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N.Sembilan	1,795	343.26	1,507	31	43.90	28	72	648.00	1	18	13.00	2	0	0.00	0	1,844	400.16	1,537	72	648.00	1
Malaka/Malacca	760	160.57	596	0	0.00	0	84	2,270.32	50	4	1.54	4	0	0.00	0	764	162.11	600	84	2,270.32	50
Johor/Johore	1,803	251.09	881	12	11.89	11	12	103.62	2	568	616.25	123	4,105	49,182.41	158	2,383	879.23	1,015	4,117	49,286.03	160
Pahang	1,084	203.31	769	1	2.00	1	0	0.00	0	240	231.79	9	50	837.00	1	1,325	437.10	779	50	837.00	1
Terengganu	535	68.51	429	0	0.00	0	0	0.00	0	20	6.20	11	98	746.64	13	555	74.71	440	98	746.64	13
Kelantan	1,621	204.34	1,156	0	0.00	0	52	483.60	13	75	17.46	41	72	2,686.72	4	1,696	221.80	1,197	124	3,170.32	17
Sarawak	1,186	192.37	1,009	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	1,186	192.37	1,009	0	0.00	0
Sabah	8,360	954.97	3,807	0	0.00	0	0	0.00	0	518	350.00	97	0	0.00	0	8,878	1,304.97	3,904	0	0.00	0
Jumlah/Total:	23,214	3,456.87	13,880	431	629.73	327	948	13,346.98	495	1,816	1,396.77	403	22,865	207,678.01	575	25,461	5,483.37	14,610	23,813	220,937.13	1,070

Nota: Bagi Sarawak ia merujuk kepada kolam-kolam yang telah dibina dalam tahun semasa.
 Note: For Sarawak it refers to ponds constructed in this year

JADUAL (TABLE) 13.2

MALAYSIA
ANGGARAN BILANGAN DAN LUAS KOLAM BEKAS LOMBONG DAN SANGKAR AIRTAWAR YANG DIBUKA
DAN TERBIAR SERTA BILANGAN PENTERNAK MENGIKUT NEGERI, 1989
ESTIMATED NUMBER AND AREA OF NEWLY OPENED AND ABANDONED PONDS, DISUSED MINING POOLS
AND FRESHWATER AND NUMBER OF CULTURISTS BY STATE, 1989

Negeri State	Dibuka dan Beroperasi/Opened and Operation									Terbiar/Abandoned								
	Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages			Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages		
	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist	Bil. No.	Luas (m2) Area In Sq.m.	Bil. Penternak No. Of Culturist	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist
Perlis	0	0.00	0	0	0.00	0	0	0.00	0	40	6.95	34	0	0.00	0	0	0.00	0
Kedah	6	0.71	3	0	0.00	0	4	36.00	1	227	69.34	97	0	0.00	0	0	0.00	0
Pulau Pinang/ Penang	12	0.23	2	0	0.00	0	0	0.00	35	35	4.29	23	0	0.00	0	0	0.00	0
Perak	55	12.36	42	3	6.50	2	4	37.21	1	0	0.00	0	0	0.00	0	0	0.00	0
Selangor	865	128.36	299	0	0.00	0	354	6,132.00	302	0	0.00	0	0	0.00	0	0	0.00	0
W.Persekutuan/ F. Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N.Sembilan	8	0.82	8	5	8.10	5	0	0.00	0	52	7.62	52	0	0.00	0	0	0.00	0
Melaka/Malacca	45	8.76	30	0	0.00	0	0	0.00	0	210	29.96	156	2	3.45	2	0	0.00	0
Johor/Johore	218	22.75	47	0	0.00	0	0	0.00	0	43	5.68	14	0	0.00	0	0	0.00	0
Pahang	70	27.52	39	0	0.00	0	0	0.00	0	72	14.32	51	1	0.00	0	0	0.00	0
Terengganu	50	6.03	43	0	0.00	0	0	0.00	0	70	3.74	57	0	0.00	0	0	0.00	0
Kelantan	79	6.23	24	0	0.00	0	0	0.00	0	78	9.99	71	0	0.00	0	0	0.00	0
Sarawak	1186	192.37	1009	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Sabah	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Jumlah/Total:	2,594	406.14	1,546	8	14.60	7	362	6,205.21	339	827	151.89	555	3	3.45	2	0	0.00	0

* Kolam, bekas lombong dan sangkar yang dibuka adalah tertakluk kepada yang dibuka dalam tahun semasa.

Newly opened and in operation ponds, ex-mining pools and cages are counted based on current year.

* Kolam, bekas lombong dan sangkar yang terbiar adalah timbunan dari tahun sebelum dan tahun semasa.

Abandoned ponds, ex-mining pools and cages are cumulative figures.

MALAYSIA
 ANGGARAN BILANGAN DAN LUAS, SERTA BILANGAN PENTERNAK
 KOLAM DAN SANGKAR AIRPAYAU YANG DI BUKA DAN TERBIAR, 1989
 ESTIMATED NUMBER AND AREA OF OPENED AND
 ABANDONED BRACKISHWATER PONDS AND CAGES, AND NUMBER OF CULTURIST, 1989

JADUAL (TABLE) 13.3

Negeri State	Dibuka dan Beroperasi/Opened and Operation						Terbiar/Abandoned					
	Kolam Ponds			Sangkar Cages			Kolam Ponds			Sangkar Cages		
	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Penternak No. Of Culturist	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist
Perlis	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Kedah	9	0.92	3	20	180.00	1	16	3.47	5	36	210.96	2
Pulau Pinang/Penang	0	0.00	0	56	472.16	7	3	0.34	3	48	351.20	4
Perak	1	0.55	1	90	810.00	2	0	0.00	0	16	148.84	1
Selangor	12	3.06	2	715	9,266.40	9	0	0.00	0	0	0.00	0
W. Persekutuan/ F. Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N. Sembilan	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Melaka/Malacca	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Johor/Johore	16	7.46	6	131	1,487.08	13	16	6.68	7	43	582.49	9
Pahang	0	0.00	0	0	0.00	0	27	6.07	12	0	0.00	0
Terengganu	2	0.20	2	12	108.00	2	23	3.16	11	6	54.00	1
Kelantan	0	0.00	0	2	74.42	1	17	1.92	14	0	0.00	0
Sarawak	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Sabah	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Jumlah/Total:	40	12.19	14	1,026	12,398.06	35	102	21.64	52	149	1,347.49	17

* Kolam Dan Sangkar Yang Dibuka Adalah Tertakluk Kepada Yang Dibuka Dalam Tahun Semasa.
 Newly opened and in operation ponds and cages are counted based on current year.

* Kolam dan sangkar yang terbiar adalah timbunan dari tahun sebelum dan tahun semasa.
 Abandoned ponds and cages are accumulative figures.

MALAYSIA
 ANGGARAN JUMLAH PENDARATAN IKAN TERNAKAN, KERANG DAN KUPANG MENGIKUT
 NEGERI DAN SISTEM TERNAKAN 1989
 ESTIMATED LANDINGS OF FISH, COCKLE AND MUSSELS
 BY STATE AND CULTURE SYSTEM 1989
 (TAN METRIK/TONNES)

JADUAL (TABLE) 14.1

Negeri State	Air tawar/Freshwater			Air payau/Brackishwater				Jumlah Kecil/Sub-total				Jumlah Grand Total tan metrik tonnes
	Kolam Ponds	B.Lombong Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Kupang Mussels	Kolam Ponds	Sangkar Cages	Kerang Cockle	Kupang Mussels	
Perlis	10.67	0.00	0.00	0.20	0.00	27.31	0.00	10.87	0.00	27.31	0.00	38.18
Kedah	92.34	5.58	0.20	22.21	8.65	147.80	0.00	120.13	8.85	147.80	0.00	276.78
P.Pinang/Penang	25.35	0.00	0.00	0.00	541.42	8,133.58	2.50	25.35	541.42	8,133.58	2.50	8,702.85
Perak	845.72	462.91	4.03	31.40	74.96	22,054.44	99.60	1,340.03	78.99	22,054.44	99.60	23,573.06
Selangor	584.23	182.22	123.24	45.00	801.20	7,562.40	6.66	811.45	924.44	7,562.40	6.66	9,304.95
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	228.26	39.89	1.40	5.58	0.00	0.00	5.92	273.73	1.40	0.00	5.92	281.05
Melaka/Malacca	143.30	0.00	10.68	5.15	0.00	0.00	104.26	148.45	10.68	0.00	104.26	263.39
Johor/Johore	142.90	16.97	0.67	915.76	466.69	220.59	1,331.69	1,075.63	467.36	220.59	1,331.69	3,095.27
Pahang	266.87	0.00	0.00	340.79	0.00	0.00	0.00	607.66	0.00	0.00	0.00	607.66
Terengganu	14.05	0.00	0.00	7.47	1.32	0.00	0.13	21.52	1.32	0.00	0.13	22.97
Kelantan	125.71	0.00	1.10	12.83	0.84	0.00	0.00	138.54	1.94	0.00	0.00	140.48
Sarawak	164.28	0.00	0.00	48.00	0.00	0.00	0.00	212.28	0.00	0.00	0.00	212.28
Sabah	4,700.00	0.00	0.00	700.00	0.00	1,200.00	0.00	5,400.00	0.00	1,200.00	0.00	6,600.00
Jumlah/Total:	7,343.68	707.57	141.32	2,134.39	1,895.08	39,346.12	1,550.76	10,185.64	2,036.40	39,346.12	1,550.76	53,118.92

MALAYSIA
ANGGARAN NILAI BORONG IKAN TERNAKAN, KERANG DAN KUPANG MENGIKUT
NEGERI DAN SISTEM TERNAKAN 1989
ESTIMATED WHOLESALE VALUE OF FISH, COCKLE AND MUSSEL
BY STATE AND CULTURE SYSTEM 1989
(NILAI DALAM RM '000/VALUE IN RM '000)

JADUAL (TABLE) 14.2

Negeri/ State	Air-tanah/Freshwater			Air-payau/Brackishwater				Jumlah (RM)/Total (RM)				Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Kupang Mussels	Kolam & Bekas Lombong Ponds & Mining Pools	Sangkar Cages	Kerang Cockle	Kupang Mussels	
Pekis	89.85	0.00	0.00	3.80	0.00	8.19	0.00	63.26	0.00	8.19	0.00	71.45
Kedah	395.45	25.85	1.00	395.52	99.08	44.34	0.00	729.83	100.08	44.34	0.00	873.05
P.Penang/Penang	179.99	0.00	0.00	0.00	5,735.85	3,253.43	1.12	179.99	5,735.85	3,253.43	1.12	9,170.19
Perak	3,257.58	1,546.32	16.88	612.38	887.33	8,821.78	57.48	5,416.38	913.41	8,821.78	57.48	15,209.05
Selangor	3,489.47	647.15	612.17	810.00	6,840.88	2,646.84	4.33	4,926.62	7,452.85	2,646.84	4.33	15,030.64
W.Perselatan/ F.Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M. Sembilan	919.79	118.47	4.89	102.17	0.00	0.00	4.44	1,137.34	4.90	0.00	4.44	1,146.68
Malaka/Malacca	574.29	0.00	48.95	41.29	0.00	0.00	52.13	615.40	48.96	0.00	52.13	708.49
Johor/Johore	1,295.83	58.91	3.19	18,835.01	4,731.02	46.32	599.26	20,182.55	4,734.21	46.32	599.26	25,562.34
Perang	1,873.99	0.00	0.00	7,486.32	0.00	0.00	0.00	9,360.22	0.00	0.00	0.00	9,360.22
Terengganu	51.37	0.00	0.00	89.89	8.58	0.00	0.06	140.46	8.58	0.00	0.06	149.10
Kelantan	549.88	0.00	4.54	128.94	8.72	0.00	0.00	687.02	11.26	0.00	0.00	678.28
Sarawak	832.45	0.00	0.00	798.09	0.00	0.00	0.00	1,700.46	0.00	0.00	0.00	1,700.46
Sabah	28,187.99	0.00	0.00	6,989.89	0.00	3,380.00	0.00	35,187.00	0.00	3,380.00	0.00	38,547.00
Jumlah/Total	42,944.47	2,389.71	682.94	35,271.15	18,318.06	18,180.80	718.82	80,305.33	19,001.90	18,180.80	718.82	118,206.95

MALAYSIA
ANGGARAN NILAI RUNCIT IKAN TERNAKAN, KERANG DAN KUPANG MENGIKUT NEGERI DAN
SISTEM TERNAKAN 1989
ESTIMATED RETAIL VALUE OF FISH, COCKLE AND MUSSEL
BY STATE AND CULTURE SYSTEM 1989
(NILAI DALAM M\$ '000/VALUE IN M\$ '000)

JADUAL (TABLE) 14.3

Negeri State	Airtawar/Freshwater			Airpayau/Brackishwater				Jumlah (M\$)/Total (M\$)				Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Kupang Mussels	Kolam & Bekas Lombong Ponds & Ex-mining Pools	Sangkar Cages	Kerang Cockle	Kupang Mussels	
Perlis	68.31	0.00	0.00	3.60	0.00	35.68	0.00	71.91	0.00	35.68	0.00	107.59
Kedah	400.65	30.52	1.08	440.78	120.16	143.89	0.00	871.95	121.24	143.89	0.00	1,137.08
P.Pinang/Penang	230.52	0.00	0.00	0.00	6,500.60	4,880.15	2.25	230.52	6,500.60	4,880.15	0.71	11,611.98
Perak	4,562.47	2,181.41	21.84	800.70	997.99	13,232.66	89.64	7,544.58	1,019.83	13,232.66	60.28	21,857.35
Selangor	4,443.85	926.20	741.30	900.00	7,879.85	3,781.20	6.66	6,270.05	8,621.15	3,781.20	0.74	18,673.14
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	1,193.84	166.06	7.70	102.69	0.00	0.00	5.92	1,462.59	7.70	0.00	2.32	1,472.61
Melaka/Malacca	731.87	0.00	51.78	48.93	0.00	0.00	62.56	780.80	51.78	0.00	25.87	858.45
Johor/Johore	1,575.17	72.97	3.68	21,399.33	5,263.62	154.41	932.18	23,047.47	5,267.30	154.41	819.29	29,288.47
Pahang	1,408.25	0.00	0.00	8,507.11	0.00	0.00	0.00	9,915.36	0.00	0.00	0.00	9,915.36
Terengganu	65.04	0.00	0.00	101.26	10.56	0.00	0.11	166.30	10.56	0.00	0.00	176.86
Kelantan	652.05	0.00	5.74	150.09	8.40	0.00	0.00	802.14	14.14	0.00	0.00	816.28
Sarawak	2,274.60	0.00	0.00	864.00	0.00	0.00	0.00	3,138.60	0.00	0.00	0.00	3,138.60
Sabah	31,908.30	0.00	0.00	7,203.00	0.00	4,200.00	0.00	39,111.30	0.00	4,200.00	0.00	43,311.30
Jumlah/Total:	49,514.92	3,377.16	833.12	40,521.49	20,781.18	26,427.99	1,099.32	93,413.57	21,614.30	26,427.99	1,099.32	142,555.18

MALAYSIA
BILANGAN DAN LUAS KOLAM BINAAN AIRTAWAR YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1989
NUMBER AND AREA OF FRESHWATER PONDS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1989

JADUAL (TABLE) 15.1

Negeri State	Kolam Airtawar Freshwater Ponds		Bilangan Penternak Ikan Number Of Culturists				Jumlah Total
	Bilangan Number	Luas (ha) Area (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	
Perlis	105	20.65	87	1	0	1	89
Kedah	770	172.49	393	7	0	13	413
P.Pinang/Penang	254	32.32	130	21	1	8	160
Perak	2,923	520.33	1,469	397	16	64	1,946
Selangor	2,018	332.66	807	184	42	85	1,118
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	1,795	343.26	1,365	79	4	59	1,507
Melaka/Malacca	760	160.57	485	101	9	1	596
Johor/Johore	1,803	251.09	600	265	1	15	881
Pahang	1,084	203.31	666	95	4	4	769
Terengganu	535	68.51	412	17	0	0	429
Kelantan	1,621	204.34	1,124	31	1	0	1,156
Sarawak	1,186	192.37	25	152	0	832	1,009
Sabah	8,360	954.97	3,807	0	0	0	3,807
Jumlah/Total:	23,214	3,456.87	11,370	1,350	78	1,082	13,880

MALAYSIA
 ANGGAHAN PENGELUARAN IKAN DARI KOLAM AIRTAWAR
 MENGIKUT NEGERI DAN JENIS IKAN, 1989
 ESTIMATED FISH PRODUCTIONS FROM FRESHWATER PONDS
 BY STATE AND SPECIES, 1989
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 15.2

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Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Cattfish	Ketutu Goby	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	3.20	0.00	2.56	2.40	1.92	0.32	0.00	0.00	0.00	0.27	10.67
Kedah	17.52	10.94	1.81	5.81	2.99	16.66	7.39	3.29	16.04	4.39	5.50	92.34
P.Pinang/ Penang	3.31	1.23	7.12	1.32	0.71	8.35	1.16	0.36	0.79	0.17	0.83	25.35
Perak	70.08	6.21	352.15	57.86	59.52	98.03	154.61	24.19	15.63	1.00	6.44	845.72
Selangor D.E.	52.43	5.61	130.85	4.42	36.97	17.69	181.28	103.66	15.72	10.34	25.26	584.23
W.Persekutuan F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	10.58	11.98	89.60	16.23	9.36	2.17	48.31	11.70	1.79	1.01	25.53	228.26
Melaka/Malacca	42.26	4.67	18.19	12.22	4.67	3.97	24.24	5.32	12.44	0.81	14.51	143.30
Johor/Johore D.T.	19.29	4.03	16.07	4.31	8.53	14.02	6.47	14.75	4.51	45.20	5.72	142.90
Pahang D.M.	60.22	23.74	49.71	10.92	1.16	14.35	57.62	17.84	3.69	0.00	27.62	266.87
Terengganu	2.44	0.92	1.22	0.68	0.22	2.28	1.45	1.47	1.35	0.00	2.02	14.05
Kelantan	22.53	13.58	24.10	6.73	1.05	10.93	9.83	19.79	7.85	0.00	9.32	125.71
Sarawak	25.00	20.00	35.00	35.00	0.00	0.00	0.00	30.00	0.00	0.00	19.28	164.28
Sabah	1,410.00	940.00	141.00	94.00	0.00	1,880.00	0.00	0.00	0.00	0.00	235.00	4,700.00
Jumlah/Total:	1,735.66	1,046.11	866.82	252.06	127.58	2,070.37	492.68	232.37	79.81	62.92	377.30	7,343.68

Nota : Pelbagai - Termasuk Ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.

Note : Miscellaneous - Includes Goby ,Snake Head ,River Cattfish and Snakeskin Gouramy.

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN KOLAM AIRTAWAR MENGIKUT NEGERI DAN SPESIS, 1989
 ESTIMATED WHOLESALE VALUE OF PRODUCTIONS FROM FRESHWATER PONDS
 BY STATE AND SPECIES, 1989
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 15.3

Negeri/State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	8.00	0.00	7.68	37.20	4.80	1.44	0.00	0.00	0.00	0.54	59.66
Kedah	35.04	24.06	7.24	11.62	29.90	49.98	36.95	48.12	13.17	41.12	8.25	305.45
P.Pinang/Penang	21.18	6.89	43.43	6.40	18.10	51.77	10.67	6.32	5.10	4.32	5.81	179.99
Perak	175.20	16.15	1,056.45	115.72	654.72	235.27	664.82	62.52	20.00	241.90	14.81	3,257.56
Selangor D.E.	209.72	22.44	418.72	13.26	517.58	56.61	906.40	47.16	155.10	1,036.60	85.88	3,469.47
W.Persekutuan/ F.Territory	0	0	0	0	0	0	0	0	0	0	0	0.00
N. Sembilan	33.86	35.94	286.72	40.58	135.72	6.51	169.08	7.16	18.18	93.6	89.35	916.70
Melaka/Malacca	126.78	12.61	60.03	28.1	68.18	12.7	92.12	62.2	16.2	37.24	58.04	574.20
Johor/Johore D.T.	57.87	12.9	56.25	13.79	119.42	42.06	38.82	15.79	813.6	103.25	22.88	1,296.63
Pahang D.M.	391.43	178.05	397.68	65.52	30.16	57.4	518.58	31.37	0	107.04	96.67	1,873.90
Terengganu	7.32	2.76	4.27	2.38	1.87	7.98	5.51	5.13	0	8.09	6.06	51.37
Kelantan	82.35	54.32	96.40	23.56	10.50	32.79	42.27	31.40	0.00	138.53	27.96	540.08
Sarawak	112.50	70.00	140.00	175.00	0.00	0.00	0.00	0.00	0.00	210.00	224.96	932.46
Sabah	7,050.00	7,520.00	987.00	752.00	0.00	11,280.00	0.00	0.00	0.00	0.00	1,598.00	29,187.00
Jumlah/Total:	8,303.25	7,964.12	3,554.19	1,255.61	1,623.35	11,837.87	2,486.66	317.17	1,041.35	2,021.69	2,239.21	42,644.47

Nota : Pelbagai - termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.
 Note : Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN KOLAM AIRTAWAR MENGIKUT NEGERI DAN SPESIS, 1989
 ESTIMATED RETAIL VALUE OF PRODUCTIONS FROM FRESHWATER PONDS
 BY STATE AND SPECIES, 1989
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 15.4

Negeri/State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Keli Freshwater Cattfish	Ketutu Goby	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	9.60	0.00	9.47	40.80	6.14	1.76	0.00	0.00	0.00	0.54	68.31
Kedah	52.56	41.57	8.68	18.30	35.88	53.31	39.91	80.20	15.37	42.77	12.10	400.65
P.Pinang/Penang	26.48	10.70	55.54	6.73	20.95	70.98	13.34	8.06	5.95	5.40	6.39	230.52
Perak	266.30	26.08	1,338.17	162.01	952.32	382.32	1,020.43	75.02	27.00	290.28	22.54	4,562.47
Selangor D.E.	288.37	28.05	654.25	18.12	665.46	79.61	1,087.68	78.60	186.12	1,243.92	113.67	4,443.85
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	50.78	53.91	412.16	55.18	140.40	10.42	265.71	10.74	22.22	70.20	102.12	1,193.84
Melaka/Malacca	185.04	15.88	81.85	39.10	74.72	17.07	118.78	74.64	18.63	45.22	60.94	731.87
Johor/Johore D.T.	52.59	18.94	80.35	19.40	136.48	60.29	45.29	22.55	994.40	118.00	26.88	1,575.17
Pahang D.M.	270.99	106.83	273.40	49.14	15.08	71.75	345.72	22.14	0.00	142.72	110.48	1,408.25
Terengganu	10.98	3.50	5.12	2.79	1.98	9.58	7.25	6.48	0.00	10.29	7.07	65.04
Kelantan	101.39	61.11	120.50	26.92	12.60	49.19	54.07	35.33	0.00	158.32	32.62	652.05
Sarawak	125.00	80.00	1,575.00	192.50	0.00	0.00	0.00	0.00	0.00	225.00	77.10	2,274.60
Sabah	8,460.00	8,460.00	1,099.80	846.00	0.00	11,280.00	0.00	0.00	0.00	0.00	1,762.50	31,908.30
Jumlah/Total:	1,430.48	456.17	4,605.02	599.66	2,096.67	810.66	2,999.94	413.76	1,269.69	2,352.12	572.45	49,514.92

Nota : Pelbagai - termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.
 Note : Miscellaneous - Includes Goby, Snake Head, River Cattfish and Snakeskin Gouramy.

MALAYSIA

JADUAL (TABLE) 16.1

BILANGAN DAN LUAS BEKAS LOMBONG YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1989
NUMBER AND AREA OF EX-MINING POOLS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1989

Negeri State	Bekas Lombong Ex-Mining Pools		Bilangan Penternak Ikan Number Of Culturists				
	Bilangan	Luas (ha) Area	Melayu	Cina	India	Lain-Lain	Jumlah
	Number	(ha)	Malay	Chinese	Indian	Others	Total
Perlis	0	0.00	0	0	0	0	0
Kedah	8	9.68	2	2	0	2	6
P.Pinang/Penang	0	0.00	0	0	0	0	0
Perak	149	257.48	52	68	0	6	126
Selangor	230	304.78	59	85	1	10	155
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	31	43.90	3	23	0	2	28
Melaka/Malacca	0	0.00	0	0	0	0	0
Johor/Johore	12	11.89	3	8	0	0	11
Pahang	1	2.00	0	1	0	0	1
Terengganu	0	0.00	0	0	0	0	0
Kelantan	0	0.00	0	0	0	0	0
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	431	629.73	119	187	1	20	327

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI BEKAS LOMBONG AIRTAWAR
MENGIKUT NEGERI DAN SPESIS, 1989
ESTIMATED FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND SPECIES, 1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE)16.2

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Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.52	0.26	1.88	0.00	0.00	1.66	0.16	0.94	0.00	0.16	0.00	5.58
P.Pinang/ Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	7.80	2.33	129.85	111.50	0.20	65.15	92.08	9.06	7.36	8.33	29.25	462.91
Selangor	3.40	0.00	111.78	23.84	0.00	3.66	30.50	1.14	0.00	0.16	7.74	182.22
W.Perskutuan F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.71	0.00	13.60	18.67	0.00	0.00	4.47	0.00	0.05	0.12	2.27	39.89
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor/Johore	0.00	0.00	0.00	0.00	0.00	16.97	0.00	0.00	0.00	0.00	0.00	16.97
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	12.43	2.59	257.11	154.01	0.20	87.44	127.21	11.14	7.41	8.77	39.26	707.57

Nota : Pelbagai - Termasuk Ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.

Note : Miscellaneous - includes Goby, Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN BEKAS LOMBONG MENGIKUT NEGERI DAN SPESIS, 1989
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTIONS FROM EX-MINING POOLS
 BY STATE AND SPECIES, 1989
 (Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 16.3

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Negeri/State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	1.04	0.57	7.52	0.00	0.00	4.98	0.80	0.00	0.00	11.75	0.00	26.66
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	19.50	6.05	389.55	223.00	2.20	156.36	395.94	29.44	166.60	90.60	67.28	1,546.52
Selangor	13.60	0.00	357.70	71.52	0.00	11.71	152.50	0.00	2.40	11.40	26.32	647.15
W.Persekutuan/ F.Territory	0	0	0	0	0	0	0	0	0	0	0	0.00
N. Sembilan	2.27	0	43.52	46.68	0	0	15.65	0.24	2.16	0	7.95	118.47
Melaka/Malacca	0	0	0	0	0	0	0	0	0	0	0	0.00
Johor/Johore	0	0	0	0	0	50.91	0	0	0	0	0	50.91
Pahang	0	0	0	0	0	0	0	0	0	0	0	0.00
Terengganu	0	0	0	0	0	0	0	0	0	0	0	0.00
Kelantan	0.00	0.00	0.00	0.00 *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	36.41	6.62	798.29	341.20	2.20	223.96	564.89	29.68	171.16	113.75	101.55	2,389.71

Nota : Pelbagai - termasuk ikan-ikan Patin, Haruan, Baung dan Sepat Siam.

Note : Miscellaneous - Includes, Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN BEKAS LOMBONG AIRTAWAR MENGIKUT NEGERI DAN SPECIES, 1989
ESTIMATED RETAIL VALUE OF PRODUCTIONS FROM EX-MINING POOLS
BY STATE AND SPECIES, 1989
(Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 16.4

Negeri/State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	1.56	0.99	9.02	0.00	0.00	5.31	0.86	0.00	0.56	12.22	0.00	30.52
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	29.64	9.79	493.43	312.20	3.20	254.08	607.73	35.33	224.91	108.72	102.38	2,181.41
Selangor	18.70	0.00	558.90	97.74	0.00	16.47	183.00	0.00	2.88	13.68	34.83	926.20
W.Persekutuan/ F.Territory	0	0	0	0	0	0	0	0	0	0	0	0.00
N. Sembilan	3.41	0	62.56	63.48	0	0	24.59	0.3	2.64	0	9.08	166.06
Melaka/Malacca	0	0	0	0	0	0	0	0	0	0	0	0.00
Johor/Johore	0	0	0	0	0	72.97	0	0	0	0	0	72.97
Pahang	0	0	0	0	0	0	0	0	0	0	0	0.00
Terengganu	0	0	0	0	0	0	0	0	0	0	0	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	53.31	10.78	1,123.91	473.42	3.20	348.83	816.18	35.63	230.99	134.62	146.29	3,377.16

Nota : Pelbagai - termasuk ikan-ikan Patin, Haruan, Baung dan Sepat Siam.
Note : Miscellaneous - Includes Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIRTAWAR YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI
NUMBER AND AREA OF FRESHWATER CAGES AND NUMBER OF CULTURISTS
BY STATE, 1989

JADUAL (TABLE) 17.1

Negeri State	Sangkar Airtawar Freshwater Cages		Bilangan Penternak Ikan No. Of Culturists				Jumlah Total
	Bilangan Number	Luas (m2) Area In Sq. Metres	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	
Perlis	0	0.00	0	0	0	0	0
Kedah	16	144.00	1	0	0	1	1
P.Pinang/Penang	0	0.00	0	0	0	0	0
Perak	238	2,381.44	12	9	0	0	21
Selangor	474	7,316.00	2	405	0	0	407
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	72	648.00	1	0	0	0	1
Melaka/Malacca	84	2,270.32	27	23	0	0	50
Johor/Johore	12	103.62	1	1	0	0	2
Pahang	0	0.00	0	0	0	0	0
Terengganu	0	0.00	0	0	0	0	0
Kelantan	52	483.60	11	2	0	0	13
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	948	13,346.98	55	440	0	1	495

MALAYSIA
 ANGGARAN PENGELUARAN DARI SANGKAR AIRTAWAR MENGIKUT NEGERI DAN JENIS IKAN, 1989
 ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1989
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 17.2

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.00	0.00	0.00	0.2
P.Pinang/ Penang	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
Perak	0.64	0.00	0.45	0.00	0.00	0.58	0.23	0.76	0.00	1.37	4.03
Selangor	5.59	0.00	1.84	0.12	0.13	0.00	112.95	1.21	0.00	1.40	123.24
W.Persekutuan/ F.Territory	0	0	0	0	0	0	0	0	0	0	0
N. Sembilan	0	0	0	0	0	0	1.4	0	0	0	1.4
Melaka/Malacca	0	0	0	0	0	0.04	9.52	0.06	0	1.06	10.68
Johor/Johore	0.01	0	0.05	0	0	0	0.21	0.03	0	0.37	0.67
Pahang	0	0	0	0	0	0	0	0	0	0	0
Terengganu	0	0	0	0	0	0	0	0	0	0	0
Kelantan	0.00	0.00	0.62	0.00	0.00	0.00	0.48	0.00	0.00	0.00	1.1
Sarawak	0	0	0	0	0	0	0	0	0	0	0
Jumlah/Total:	6.24	0.00	2.96	0.12	0.13	0.62	124.99	2.06	0.00	4.20	141.32

* Pelbagai - Termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.
 Miscellaneous - Includes Goby, River Catfish and Snakeskin Gouramy.

MALAYSIA
 ANGARAN NILAI BORONG PENGELUARAN SANGKAR AIRTAWAR
 MENGIKUT NEGERI DAN JENIS IKAN 1989
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
 BY STATE AND SPECIES, 1989
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 17.3

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumpit Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Ketutu Goy	Pelbagai Miscellaneous *	Jumlah Total
Perlis	0.00	0	0.00	0	0	0.00	0	0.00	0	0
Kedah	0.00	0	0.00	0	0	1.00	0	0.00	0	1
P.Pinang/Penang	0.00	0	0.00	0	0	0.00	0	0.00	0	0
Perak	1.60	0	1.35	0	1.39	0.99	7.6	0.00	3.15	16.08
Selangor	22.36	0	5.89	0.36	0	564.75	12.1	1.95	4.76	612.17
W.Persekutuan/ F.Territory	0.00	0	0.00	0	0	0.00	0	0.00	0	0
N. Sembilan	0.00	0	0.00	0	0	4.90	0	0.00	0	4.9
Melaka/Malacca	0	0.00	0	0.00	0.12	36.18	0.42	0.00	4.24	40.96
Johor/Johore	0.03	0.00	0.18	0.00	0.03	1.26	0.21	0.00	1.48	3.19
Pahang	0.00	0	0.00	0	0	0.00	0	0.00	0	0
Terengganu	0.00	0	0.00	0	0	0.00	0	0.00	0	0
Kelantan	0.00	0	2.48	0	0	2.06	0	0	0	4.54
Sarawak	0.00	0	0.00	0	0	0.00	0	0.00	0	0
Jumlah/Total:	23.99	0.00	9.90	0.36	1.54	611.14	20.33	1.95	13.63	682.84

* Pelbagai - Termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.
 Miscellaneous - Includes Goby, Snake Head and River Catfish and Snakeskin Gouramy.

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN SANGKAR AIRTAWAR MENGIKUT NEGERI DAN SPESIS, 1989
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES STATE AND SPECIES, 1989
 (Nilai dalam M\$'000/Value in M\$'000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumpot Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Ketutu Goby	Pelbagai Miscellaneous *	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	1.08
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	2.43	0.00	1.71	0.00	2.26	1.52	9.12	0.00	4.80	21.84
Selangor D.E.	30.75	0.00	9.20	0.49	0.00	677.70	14.52	2.34	6.30	741.30
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	7.70	0.00	0.00	0.00	7.70
Melaka/Malacca	0.00	0.00	0.00	0.00	0.17	46.65	0.51	0.00	4.45	51.78
Johor/Johore D.T.	0.05	0.00	0.25	0.00	0.00	1.47	0.24	0.00	1.67	3.68
Pahang D.M.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	3.10	0.00	0.00	2.64	0.00	0.00	0.00	5.74
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah										
Jumlah/Total:	33.23	0.00 €	14.26 €	0.49	2.43	738.76	24.39	2.34	17.22	833.12

* Pelbagai - Termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.
 Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy.

JADUAL (TABLE) 18.1

MALAYSIA
BILANGAN DAN LUAS KOLAM BINAAN AIRPAYAU YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1989
NUMBER AND AREA OF BRACKISHWATER PONDS AND NUMBER OF
CULTURISTS BY RACE AND STATE, 1989

Negeri State	Kolam Airpayau Brackishwater Ponds		Bilangan Penternak Ikan Number Of Culturists				Jumlah Total
	Bilangan Number	Luas (ha) Area (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	
Perlis	2	1.18	0	1	0	0	1
Kedah	150	74.42	37	4	1	8	50
P.Pinang/Penang	3	0.34	0	3	0	0	3
Perak	125	59.19	8	16	1	5	30
Selangor	93	25.40	17	11	0	4	32
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	18	13.00	0	0	0	2	2
Melaka/Malacca	4	1.54	1	3	0	0	4
Johor/Johore	568	616.25	38	68	0	17	123
Pahang	240	231.79	8	0	0	1	9
Terengganu	20	6.20	11	0	0	0	11
Kelantan	75	17.46	40	1	0	0	41
Sarawak	0	0.00	0	0	0	0	0
Sabah	518	350.00	0	0	0	97	97
Jumlah/Total:	1816	1,396.77	160	107	2	134	403

MALAYSIA
ANGGARAN PENGELUARAN KOLAM AIRPAYAU/MASIN
MENGIKUT NEGERI DAN SPESIES IKAN, 1989
ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS BY STATE AND SPECIES, 1989
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Pelbagai Miscellaneous **	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20
Kedah	0.10	0.00	0.00	0.14	21.77	0.00	0.20	22.21
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	0.00	31.40	0.00	0.00	31.40
Selangor	0.00	0.00	0.00	0.00	45.00	0.00	0.00	45.00
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.35	0.00	0.00	0.00	5.23	0.00	0.00	5.58
Melaka/Malacca	5.15	0.00	0.00	0.00	0.00	0.00	0.00	5.15
Johor/Johore	4.85	0	15.89	105.24	765.62	24.16	0	915.76
Pahang	0.00	0.00	0.00	0.00	340.00	0.79	0.00	340.79
Terengganu	4.24	0	0.36	0	2.8	0	0.07	7.47
Kelantan	10.17	0.00	0.00	0.00	1.76	0.60	0.30	12.83
Sarawak	0.00	0.00	0.00	0.00	48.00	0.00	0.00	48.00
Sabah	0.00	0.00	0.00	0.00	700.00	0.00	0.00	700.00
Jumlah/Total:	24.86	0.00 €	16.25 €	105.38	1,961.78	25.55	0.57	2,134.39

** Pelbagai - Termasuk ikan-ikan seperti Tanda, Dengkis, Cermin dan Talang.

** Miscellaneous - Includes Snapper, Rabbitfish and Horse Mackerel and Queenfish.

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN DARI KOLAM AIRPAYAU/ MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1989
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND SPECIES, 1989
 (Nilai dalam M\$'000/Value in M\$'000)

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Harimau Tiger Prawn	Udang Putih Banana Prawn	Ketam Mud Crab	Pelbagai Miscellaneous **	Jumlah Total
Perlis	0.00	0.00	0.00	3.60	0.00	0.00	0.00	3.60
Kedah	0.80	0.00	0.00	391.86	2.80	0.00	1.06	396.52
P.Pinang/Penang	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	612.30	0.00	0.00	0.00	612.30
Selangor	0.00	0	0	810	0.00	0.00	0.00	810.00
W.Persekutuan/ F.Territory	0	0.00	0.00	0.00	0.00	0	0	0.00
N. Sembilan	2.8	0.00	0.00	99.37	0.00	0	0.00	102.17
Melaka/Malacca	41.2	0.00	0.00	0.00	0.00	0	0.00	41.20
Johor/Johore	48.5	0	143.01	16078.02	2420.52	144.96	0	18,835.01
Pahang	0	0.00	0.00	7,480.00	0.00	6.32	0	7,486.32
Terengganu	27.56	0.00	2.34	58.80	0.00	0	0.39	89.09
Kelantan	81.36	0	0	40.48	0.00	3.60	1.50	126.94
Sarawak	0.00	0.00	0.00	768.00	0.00	0.00	0.00	768.00
Sabah	0.00	0.00	0.00	6,000.00	0.00	0.00	0.00	6,000.00
Jumlah/Total:	202.22	0.00	145.35	32,342.43	2,423.32	154.88	2.95	35,271.15

Nota ** Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cermin dan Talang

Note ** Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN KOLAM AIRPAYAU/MASIN
MENGIKUT NEGERI DAN SPESIES IKAN, 1989
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS BY STATE AND SPESIES

JADUAL (TABLE) 18.4

Negeri State	Siakap	Kerapu	Jenahak	Udang	Udang	Ketam	Pelbagai	Jumlah
	Barramundi	Grouper	Mangrove Snapper	Harimau Tiger Prawn	Putih Banana Prawn	Mud Crab	Miscellaneous **	Total
Perlis	0.00	0.00	0.00	3.60	0.00	0.00	0.00	3.60
Kedah	1.10	0.00	0.00	435.40	3.22	0.00	1.06	440.78
P.Pinang/Penang	0	0	0.00	0	0	0	0.00	0.00
Perak	0.00	0.00	0.00	800.70	0.00	0.00	0.00	800.70
Selangor	0.00	0.00	0.00	900.00	0.00	0.00	0.00	900.00
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	3.32	0.00	0.00	99.37	0.00	0.00	0.00	102.69
Melaka/Malacca	48.93	0.00	0.00	0.00	0.00	0.00	0.00	48.93
Johor/Johore	53.35	0.00	158.90	18,374.88	2,631.00	181.20	0.00	21,399.33
Pahang	0.00	0.00	0.00	8,500.00	0.00	7.11	0.00	8,507.11
Terengganu	33.92	0.00	2.52	64.40	0.00	0.00	0.42	101.26
Kelantan	101.70	0.00	0.00	42.24	0.00	4.20	1.95	150.09
Sarawak	0.00	0.00	0.00	864.00	0.00	0.00	0.00	864.00
Sabah	0.00	0.00	0.00	7,203.00	0.00	0.00	0.00	7,203.00
Jumlah/Total:	242.32	0.00	161.42	37,287.59	2,634.22	192.51	3.43	40,521.49

Nota ** Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cermin dan Talang

Note ** Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIRPAYAU YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1989
NUMBER AND AREA OF BRACKISHWATER CAGES AND NUMBER OF CULTURISTS
BY RACE AND STATE, 1989

JADUAL (TABLE) 19.1

Negeri State	Sangkar Airpayau Brackishwater Cages		Bilangan Penternak Ikan No. Of Culturists				Jumlah Total
	Bilangan Number	Luas (m2) Area In Sq. Metres	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	
Perlis	14	87.86	7	0	0	0	7
Kedah	865	7,207.02	40	8	0	1	49
P.Pinang/ Penang	9,425	56,766.61	19	106	0	0	125
Perak	3,989	36,250.40	19	83	0	1	103
Selangor	4,247	53,913.35	3	112	0	0	115
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	0	0.00	0	0	0	0	0
Melaka/Malacca	0	0.00	0	0	0	0	0
Johor/Johore	4,105	49,182.41	57	101	0	0	158
Pahang	50	837.00	0	1	0	0	1
Terengganu	98	746.64	13	0	0	0	13
Kelantan	72	2,686.72	4	0	0	0	4
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	22,865	207,678.01	162	411	0	2	575

MALAYSIA
 ANGGARAN PENGELUARAN SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1989
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND SPECIES, 1989
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 19.2

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Harimau Tiger Prawn	Ketam Mud Crab	Pelbagai Miscellaneous **	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	4.12	3.86	0.67	0.00	0.00	0.00	0.00	8.65
P.Pinang/Penang	321.09	112.07	56.00	0.00	0.06	47.70	4.50	541.42
Perak	37.32	25.95	10.62	0.05	0.98	0.04	0.00	74.96
Selangor	731.14	9.47	12.88	0.33	1.85	45.53	0.00	801.20
W.Persekutuan/ F.Territory	0	0	0	0	0	0	0	0.00
N. Sembilan	0	0	0	0	0	0	0	0.00
Melaka/Malacca	0	0	0	0	0	0	0	0.00
Johor/Johore	417.02	17.26	5.80	0.61	0.00	24.88	1.12	466.69
Pahang	0	0	0	0	0	0.00	0	0
Terengganu	1.32	0	0	0	0	0	0	1.32
Kelantan	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.84
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	1,512.85	168.61	85.97	0.99	2.89	118.15	5.62	1,895.08

Nota ** : Termasuk ikan-ikan seperti Tanda, Dengkis, Cupak/Cermin dan Talang.

Note : Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
 JADUAL (TABLE) 19.3
 ANGGARAN NILAI BORONG PENGELUARAN SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1989
 ESTIMATED WHOLE SALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND SPECIES, 1989
 (Nilai dalam M\$ '000 / Value in M\$ '000)

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Harimau Tiger Prawn	Ketam Mud Crab	Merah Red Snapper	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	32.96	61.76	4.36	0.00	0.00	0.00	0.00	99.08
P. Pinang/Penang	3,018.25	1,793.12	548.80	1.08	333.90	0.00	40.50	5,735.65
Perak	317.22	454.12	106.20	19.11	0.28	0.40	0.00	897.33
Selangor	6,214.69	127.85	106.90	33.30	355.13	2.81	0.00	6,840.68
W. Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor/Johore	4,170.20	345.20	52.20	0.00	149.28	5.18	8.96	4,731.02
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	8.58	0.00	0.00	0.00	0.00	0.00	0.00	8.58
Kelantan	6.72	0.00	0.00	0.00	0.00	0.00	0.00	6.72
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	13,768.62	2,782.05	818.46	53.49	838.59	8.39	49.46	18,319.06

Nota: Pelbagai - Termasuk Ikan-Ikan Tanda, Dengkis, Cermin dan Talang
 Note: Miscellaneous - Includes Snapper, Rabbit Fish, Horse Mackerel and Queenfish

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1989
 ESTIMATED RETAIL VALUE OF FISH PRODUCTIONS FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND SPECIES, 1989
 (Nilai dalam M\$ '000 / Value in M\$ '000)

Negeri	Siakap	Kerapu	Jenahak	Udang Harimau	Ketam	Merah	Pelbagai	Jumlah
State	Barramundi	Grouper	Mangrove Snapper	Tiger Prawn	Mud Crab	Red Snapper	Miscellaneous	Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	45.32	69.48	5.36	0.00	0.00	0.00	0.00	120.16
P. Pinang/Penang	3,210.90	2,241.40	616.00	1.20	381.60	0.00	49.50	6,500.60
Perak	380.66	480.08	111.51	24.99	0.30	0.45	0.00	997.99
Selangor	7,165.17	151.52	122.36	37.00	400.66	3.14	0.00	7,879.85
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor/Johore	4,587.22	414.24	58.00	0.00	186.60	5.80	11.76	5,263.62
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	10.56	0.00	0.00	0.00	0.00	0.00	0.00	10.56
Kelantan	8.40	0.00	0.00	0.00	0.00	0.00	0.00	8.40
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	15,408.23	3,356.72	913.23	63.19	969.16	9.39	61.26	20,781.18

Nota: Pelbagai - Termasuk Ikan-Ikan Tanda, Dengkis, Cermin dan Talang
 Note: Miscellaneous - Includes Snapper, Rabbit Fish, Horse Mackerel and Queenfish

MALAYSIA
BILANGAN PENTERNAK, KAWASAN DAN LUAS KAWASAN
TERNAKAN KERANG MENGIKUT NEGERI 1989.
NUMBER OF CULTURIST, AREA AND SIZE
OF COCKLE BY STATE 1989.

JADUAL (TABLE) 20.1

Negeri State	Bilangan Penternak (No. of Culturist)	Bilangan Kawasan (No. of Area)	Luas Kawasan Tol (ha) Area (ha)
Perlis	1	1	16.20
Kedah	2	2	28.42
P.Pinang/ Penang	59	57	1,327.53
Perak	138	65	2,941.62
Selangor	14	15	1,104.57
W.Persekutuan/F.Territory	0	0	0.00
N.Sembilan	0	0	0.00
Melaka / Malacca	0	0	0.00
Johor / Johore	24	8	192.65
Pahang	0	0	0.00
Terengganu	0	0	0.00
Kelantan	0	0	0.00
Sarawak	0	0	0.00
Sabah	0	0	0.00
JUMLAH/TOTAL	238	148	5,610.99

MALAYSIA
PENGELUARAN KERANG DEWASA MENGIKUT BULAN DAN NEGERI 1989
PRODUCTION OF COCKLES BY MONTH AND STATE 1989
(TAN METRIK/TONNES)

JADUAL (TABLE) 20.2

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	7.25	0.00	0.00	6.18	0.00	0.00	5.39	8.49	27.31
Kedah	0.00	0.00	117.25	28.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	147.80
P.Pinang/Penang	428.00	580.00	643.50	341.00	1,397.90	522.00	591.25	707.50	601.80	680.00	683.00	957.63	8,133.58
Perak	1,625.60	1,280.00	1,582.30	1,983.60	1,939.61	1,562.60	1,726.18	1,740.60	1,908.00	1,578.84	2,232.68	2,894.43	22,054.44
Selangor	630.11	0.00	449.61	547.53	467.71	466.07	498.09	557.95	528.73	569.16	442.44	2,405.00	7,562.40
W.Persekutuan/ F.Territory	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
N. Sembilan	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
Melaka/Malacca	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
Johor/Johore	0.00	0.00	6.50	7.00	6.50	10.39	9.00	8.80	19.00	10.00	40.90	102.50	220.59
Pahang	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
Terengganu	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
Kelantan	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
Sarawak	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
Sabah	100.00	120.00	80.00	140.00	60.00	100.00	160.00	40.00	70.00	130.00	100.00	100.00	1,200.00
Jumlah/Total:	2,783.71	1,980.00	2,879.16	3,048.04	3,878.97	2,661.06	2,984.52	3,061.03	3,127.53	2,968.00	3,504.41	6,469.69	39,346.12

MALAYSIA
PENGELUARAN BENIH KERANG MENGIKUT BULAN DAN NEGERI 198
PRODUCTION OF COCKLE SEEDS BY MONTH AND STATE 1989
(TAN METRIK/TONNES)

JADUAL (TABLE) 20.3

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Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	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
Kedah	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
P.Pinang/Penang	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	360.00	360.70
Perak	0.00	0.00	0.00	1,204.90	432.40	500.00	500.00	0.00	0.00	0.00	0.00	0.00	2,637.30
Selangor	0.00	0.00	0.00	0.00	3,313.00	0.00	0.00	624.00	0.00	0.00	0.00	0.00	3,937.00
W.Persekutuan/ F.Territory	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
N. Sembilan	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
Melaka/Malacca	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
Johor/Johore	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
Pahang	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
Terengganu	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
Kelantan	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
Sarawak	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
Sabah	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
Jumlah/Total:	0.00	0.70	0.00	1,204.90	3,745.40	500.00	500.00	624.00	0.00	0.00	0.00	360.00	6,935.00

MALAYSIA
BILANGAN PENTERNAK, KAWASAN DAN LUAS KAWASAN
TERNAKAN SIPUT SUDU MENGIKUT NEGERI 1989.
NUMBER OF CULTURIST, AREA AND SIZE
OFF MUSSEL BY STATE 1989.

JADUAL(TABLE) 21 . 1

Negeri State	Bilangan Penternak (No. of Culturist)	Bilangan Kawasan (No. of Area)	Luas Kawasan Tol (M2) Area (M2)
Perlis	1	1	16.20
Kedah	2	2	28.42
P.Pinang/ Penang	2	2	531.00
Perak	10	3	46.51
Selangor	14	15	1,104.57
W.Persekutuan/F.Territory	0	0	0.00
N.Sembilan	8	2	869.65
Melaka / Malacca	53	8	27,470.59
Johor / Johore	56	7	25,784.23
Pahang	0	0	0.00
Terengganu	1	1	150.00
Kelantan	0	0	0.00
Sarawak	0	0	0.00
Sabah	0	0	0.00
JUMLAH	147	41	56001.17

MALAYSIA
PENGELUARAN SIPUT SUDU MENGIKUT BULAN DAN NEGERI 1989
PRODUCTION OF MUSSELS BY MONTH AND STATE 1989
(TAN METRIK/TONNES)

JADUAL (TABLE) 21.2

Negeri	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	Septemba	Oktober	November	Disember	Jumlah
State	January	February	March	April	May	June	July	August	Septemba	October	November	December	Total
Perlis	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
Kedah	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
P.Pinang/ Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00	2.50
Perak	11.00	4.00	10.34	8.57	8.86	8.00	8.00	8.00	8.00	8.00	8.30	8.53	99.60
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.26	0.30	0.00	5.80	6.66
W.Persekutuan/ F.Territory	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
N. Sembilan	0.00	1.05	1.08	1.10	0.00	0.25	0.35	0.00	0.30	0.79	1.00	0.00	5.92
Melaka/Malacca	0.35	0.00	6.00	0.15	0.00	0.00	12.02	30.89	2.45	19.14	20.50	12.76	104.26
Johor/Johore	125.92	150.00	53.47	117.62	166.50	0.00	81.83	94.44	104.46	127.17	163.43	146.85	1,331.69
Pahang	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
Terengganu	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
Kelantan	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
Sarawak	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
Sabah	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
Jumlah/Total:	137.27	155.05	70.89	127.57	175.36	8.25	102.20	133.63	117.97	155.40	193.23	173.94	1,550.76

MALAYSIA
PENDARATAN IKAN DARAT DARI PERAIRAN UMUM MENGIKUT BULAN DAN NEGERI 1989
LANDINGS OF FRESHWATER FISH FROM PUBLIC WATERBODIES BY MONTH AND STATE 1989
(TAN METRIK/TONNES)

JADUAL (TABLE) 21.3

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.57	0.50	0.25	1.20	0.45	0.65	0.25	0.50	1.20	0.30	0.75	0.20	6.82
Kedah	1.95	2.00	2.50	1.40	3.20	4.60	1.25	1.65	7.00	6.50	5.20	5.54	42.79
P.Pinang/Penang	2.13	2.20	3.00	0.95	4.25	2.10	3.24	2.50	2.65	0.50	2.20	0.95	26.67
Perak	40.18	41.83	50.20	37.60	30.00	45.50	28.50	25.56	40.10	68.20	60.25	34.12	502.04
Selangor	8.40	6.50	8.39	2.50	9.00	2.50	6.75	4.20	8.39	15.00	12.00	16.44	100.07
W.Persekutuan/ F.Territory	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
N. Sembilan	3.75	4.00	3.40	6.20	2.50	3.55	3.00	5.00	2.55	10.00	2.50	1.50	47.95
Melaka/Malacca	1.50	2.50	1.65	2.54	0.50	1.30	1.13	1.00	1.24	0.65	1.00	0.61	15.62
Johor/Johore	10.12	12.00	15.35	9.50	8.65	10.50	6.35	10.25	15.20	5.35	9.65	8.57	121.49
Pahang	13.02	5.30	25.00	10.25	7.80	13.50	12.35	8.95	5.65	10.75	18.50	25.20	156.27
Terengganu	5.20	1.85	3.00	1.20	0.50	2.35	0.95	1.80	0.69	2.30	1.00	1.28	22.12
Kelantan	3.15	3.20	5.25	2.00	3.25	0.95	1.23	2.17	5.30	4.35	4.93	2.00	37.78
Sarawak	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
Sabah	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
Jumlah/Total:	89.97	81.88 €	117.99 €	75.34	70.10	87.50	65.00	63.58	89.97	123.90	117.98	96.41	1,079.62

MALAYSIA
HARGA BORONG IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1989
WHOLESALE PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND SPECIES, 1989
(\$/Kg)

JADUAL (TABLE)

22.1

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Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumpit Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Udang Galah Giant Fresh- water Prawn	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Pelbagai Miscellaneous
Perlis	2.20	2.50	4.50	3.00	2.50	4.50	15.50	4.00	0.00	12.00	2.00
Kedah	2.00	2.20	4.00	2.00	3.00	5.00	10.00	3.00	3.00	12.50	1.50
P.Pinang/Penang	6.40	5.60	6.10	4.85	6.20	9.20	25.50	8.00	30.00	12.00	7.00
Perak	2.50	2.60	3.00	2.00	2.40	4.30	11.00	4.00	20.00	10.00	2.30
Selangor	4.00	4.00	3.20	3.00	3.20	5.00	14.00	3.00	15.00	10.00	3.40
W.Persekutuan/ F.Territory	0	0	0	0	0	0	0	0	0	0	0
N. Sembilan	3.2	3	3.2	2.5	3	3.5	14.5	4.8	18	8	3.5
Melaka/Malacca	3	2.7	3.3	2.3	3.2	3.8	14.6	5	20.00	7	4
Johor/Johore	3	3.2	3.5	3.2	3	6	14	3.5	18	7	4
Pahang	6.50	7.50	8.00	6.00	4.00	9.00	26.00	8.50	0.00	6.00	3.50
Terengganu	3	3	3.5	3.5	3.5	3.8	8.5	3.8	5.5	4.5	3
Kelantan	3.50	4.00	4.00	3.50	3.00	4.30	10.00	4.00	0.00	7.00	3
Sarawak	4.50	3.50	4.00	5.00	4.00	0.00	14.00	5.00	0.00	7.00	3.50
Sabah	5	8	7	8	6	0	0	0	0	0	6
Harga Bertimbang	3.75	3.98	4.41	3.76	3.62	4.49	13.66	4.35	9.96	7.92	3.59

Nota: Pelbagai - Termasuk Ikan-Ikan Ketutu, Haruan, Baung dan Sepat Siam

Note: Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
HARGA RUNCIT IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1989
RETAIL PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND SPECIES, 1989
(\$/Kg)

JADUAL (TABLE) 22.2

100	Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Udang Galah Giant Fresh- water Prawn	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Pelbagai Miscellaneous
	Perlis	2.80	3.00	5.00	3.70	3.20	5.50	17.00	4.50	0.00	13.00	2.00
	Kedah	3.00	3.80	4.80	3.15	3.20	5.40	12.00	5.00	3.50	13.00	2.20
	P.Pinang/Penang	8.00	8.70	7.80	5.10	8.50	11.50	29.50	10.20	35.00	15.00	7.70
	Perak	3.80	4.20	3.80	2.80	3.90	6.60	16.00	4.80	27.00	12.00	3.50
	Selangor	5.50	5.00	5.00	4.10	4.50	6.00	18.00	5.00	18.00	12.00	4.50
	W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N. Sembilan	4.80	4.50	4.60	3.40	4.80	5.50	15.00	6.00	22.00	6.00	4.00
	Melaka/Malacca	4.00	3.40	4.50	3.20	4.30	4.90	16.00	6.00	23.00	8.50	4.20
	Johor/Johore	4.80	4.70	5.00	4.50	4.30	7.00	16.00	5.00	22.00	8.00	4.50
	Pahang	4.50	4.50	5.50	4.50	5.00	6.00	13.00	6.00	0.00	8.00	4.00
	Terengganu	4.50	3.80	4.10	4.20	4.20	5.00	9.00	4.80	6.00	7.00	3.50
	Kelantan	4.60	4.60	6.00	4.00	4.60	6.60	12.00	4.60	0.00	8.00	3.60
	Sarawak	5.00	4.00	4.50	5.50	0.00	0.00	0.00	0.00	0.00	7.50	4.00
	Sabah	6.00	9.00	7.80	9.00	6.00	0.00	0.00	0.00	0.00	0.00	7.50
	Harga Bertimbang	4.72	4.86	5.26	4.40	4.35	5.38	13.35	4.76	12.04	9.08	4.25

Nota: Pelbagai - Termasuk Ikan-Ikan Ketutu, Haruan, Baung dan Sepat Siam
Note: Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
HARGA BORONG IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1989
WHOLESALE PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1989
(\$/Kg)

JADUAL(TABLE) 22.3

Negeri/State	Siakap Barramund	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Ketam Mud Crab	Udang Harimau Tiger Prawn	Kerang Cockles	Kupang Mussels	Pelbagai Miscellaneous
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.30	0.00	0.00
Kedah	8.00	16.00	6.50	0.00	20.00	0.00	18.00	0.30	0.00	5.30
P. Pinang/Penang	9.40	16.00	9.80	0.00	0.00	7.00	18.00	0.40	0.45	9.00
Perak	8.50	17.50	10.00	8.00	21.00	7.00	19.50	0.40	0.55	7.00
Selangor	8.50	13.50	8.30	8.50	20.00	7.80	18.00	0.35	0.65	7.00
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	8.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00	0.75	0.00
Melaka/Malacca	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00
Johor/Johore	10.00	20.00	9.00	8.50	23.00	6.00	21.00	0.21	0.45	8.00
Pahang	0.00	0.00	0.00	0.00	0.00	8.00	22.00	0.00	0.00	0.00
Terengganu	6.50	8.00	6.50	0.00	22.00	7.00	21.00	0.00	0.45	5.50
Kelantan	8.00	10.00	6.00	0.00	0.00	6.00	23.00	0.00	0.00	5.00
Sarawak	4.50	4.00	3.00	3.00	0.00	6.00	16.00	2.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	17.15	2.80	0.00	0.00
Harga Bertimbang	6.11	8.08	4.55	2.15	8.15	4.22	17.74	0.52	0.29	3.60

* Pelbagai - termasuk ikan-ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
Miscellaneous - includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
HARGA RUNCIT IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1989
RETAIL PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1989
(\$/Kg)

JADUAL (TABLE) 22.4

Negeri/State	Jenis Ikan/Species									
	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Ketam Mud Crab	Udang Harimau Tiger Prawn	Kerang Cockles	Kupang Mussels	Pelbagai Miscellaneous
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.50	0.00	0.00
Kedah	11.00	18.00	8.00	0.00	23.00	0.00	20.00	0.60	0.65	5.80
P. Pinang/Penang	10.00	20.00	11.00	0.00	0.00	8.00	20.00	0.60	0.90	11.00
Perak	10.20	18.50	10.50	9.00	26.00	7.50	25.50	0.60	0.90	8.50
Selangor	9.80	16.00	9.50	9.50	25.00	8.80	20.00	0.50	1.00	8.00
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	9.50	0.00	0.00	0.00	0.00	0.00	19.00	0.00	1.00	0.00
Melaka/Malacca	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00
Johor/Johore	11.00	24.00	10.00	9.50	25.00	7.50	24.00	0.70	0.70	10.50
Pahang	0.00	0	0.00	0.00	0.00	9.00	25.00	0.00	0.00	0.00
Terengganu	8.00	10.00	7.00	0.00	24.00	7.50	23.00	0.00	0.90	6.00
Kelantan	10.00	12.00	6.50	0.00	0.00	7.00	24.00	0.00	0.00	6.50
Sarawak	5.50	5.00	5.00	4.80	0.00	7.00	18.00	3.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	20.58	3.50	0.00	0.00
Harga Bertimbang Weighted Price	7.27	9.50	5.19	2.52	9.46	4.79	19.78	0.77	0.51	4.33

* Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
PENGELUARAN BENIH IKAN AIRTAWAR DARI PUSAT-PUSAT PEMBAIKBIK IKAN JADUAL (TABLE) 23.1
KERAJAAN MENGIKUT PUSAT DAN SPESIES, 1989
FRESHWATER FINGERLINGS PRODUCTIONS OF GOVERNMENT HATCHERIES
BY HATCHERY AND SPECIES, 1989

Spesies (Species) Pusat Pembaikbiak (Hatchery)	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia Nilotika Tilapia Nilotica	Tilapia Merah Red Tilapia	Kap Kepala Besar Big Head Carp	Keli Freshwater Catfish	Jelawat River Carp	Kap Rumpot Grass Carp	Patin River Catfish	Lain- Lain Others	Jumlah Total
Bukit Tinggi,	4,616,121	258,970	28,170	3,000	462,899	1,695,925	290	7,065,375	0	0	0	14,130,750
Jitra, Kedah	1,545,041	1,416,386	31,402	227,262	444,371	685,140	0	4,349,602	0	0	0	8,699,204
Enggor, Perak	9,350	0	659,934	15,950	50,200	0	140,969	876,403	0	0	0	1,752,806
PPIAT Batu Berendam	585,870	2,820	0	10,000	484,435	103,750	343,689	106,850	22,700	180,818	618,730	2,459,662
Sarawak	3,950,411	1,627,544	12,275	116,424	29,434	0	822	0	0	0	296,659	6,033,569
Jumlah/Total:	6,756,382	1,678,176	719,506	256,212	1,441,905	2,484,815	484,948	12,398,230	22,700	180,818	618,730	27,042,422

MALAYSIA
PENGELUARAN BENIH-BENIH IKAN/UDANG AIRTAWAR DARI PUSAT-PUSAT
KERAJAAN MENGIKUT PUSAT DAN SPESIES, 1989
PRODUCTION OF BRACKISH WATER FISH/PRAWN FINGERLINGS FROM
GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 1989

JADUAL (TABLE) 23.2

Spesies (Species)	Udang Galah Giant Fresh- water prawn	Udang Harimau Tiger prawn	Siakap Barramundi	Jumlah Total
Pusat Penetasan (Hatchery)				
PPUG Kg. Acheh	3,179,488	1,796,650	0	4,976,138
PPPBUK Pulau Sayak	8,900,000	125,250,000	0	134,150,000
PPUG Sabak	1,057,520	1,260,000	0	2,317,520
PPUG Tg. Demong	0	0	114,349,240	114,349,240
Semariang Rate	302,900	0	0	302,900
Jumlah/Total:	13,137,008	128,306,650	114,349,240	255,792,898

* PPUG - Pusat Penetasan Udang Galah
 (Giant Freshwater Prawn Hatchery Center)
 PPPBUK - Pusat Pengeluaran dan Penyelidikan
 Benih Udang Kebangsaan
 (National Prawn Fry Production And Research Center)

MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN UNTUK KEGUNAAN PELBAGAI DAN PELEPASAN
KE PERAIRAN UMUM MENGIKUT NEGERI DAN SPESIES IKAN, 1989
DISTRIBUTION OF FRESHWATER FRY FOR MISCELLANEOUS PURPOSES AND RELEASED
INTO PUBLIC WATERBODIES BY STATE AND SPECIES, 1989

JADUAL (TABLE) 23.3

Negeri State	Kegunaan Pelbagai/Miscellaneous Purposes								Pelepasan Ke Perairan Umum/Released Into Public Waterbodies								Jumlah	
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Pelbagai Others	Jumlah Kecil Sub Total	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jumlah Total	Grand Total		
Perlis	220	0	0	1,980	5,940	0	0	8,140	99,840	116,800	0	0	0	0	216,640	224,780		
Kedah	182,494	98,071	17,850	606	102,115	57,013	0	458,149	109,450	266,280	0	110,065	0	0	485,795	943,944		
P.Pinang/ Penang	11	11	0	0	0	88	0	110	0	0	0	0	0	0	0	110		
Perak	1,360	50	14,250	0	4,600	8,800	0	29,060	223,400	92,000	5,775	416,570	0	0	737,745	766,805		
Selangor	130	20	0	1,500	0	120	0	1,770	161,000	0	0	100,000	0	0	261,000	262,770		
W.Persekutuan/ F.Territory	24,600	40	20	4,000	0	3,540	0	32,200	350,000	2,000	0	424,000	0	3,050	779,050	811,250		
N. Sembilan	0	0	0	0	0	0	0	0	85,000	0	0	16,000	0	5,000	106,000	106,000		
Malaka/Malacca	1,410	0	0	0	0	0	0	1,410	120,000	0	0	10,000	0	0	130,000	131,410		
Johor/Johore	0	0	0	0	0	0	0	0	143,000	21,150	0	0	0	0	164,150	164,150		
Pahang	62,110	3,100	2,350	0	3,000	29,300	0	99,860	181,500	11,150	6,500	223,900	0	0	423,050	522,910		
Terengganu	95,000	5,000	0	0	0	5,000	0	105,000	88,000	38,000	0	100,000	0	0	228,000	331,000		
Kelantan	15,660	600	0	0	0	6,660	0	22,920	130,000	0	8,000	105,000	0	0	243,000	265,920		
Sarawak	1,900,715	625,350	2,380	0	3,920	0	57,700	2,590,065	0	0	34,159	0	0	0	34,159	2,624,224		
Sabah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jumlah/Total:	2,283,710	732,242	36,850	8,086	119,575	110,521	57,700	3,348,684	1,691,190	547,380	54,434	1,505,535	0	8,050	3,806,589	7,155,273		

MALAYSIA JADUAL (TABLE) 23.4
 PEMBAHAGIAN BENIH-BENIH IKAN AIRTAWAR KEPADA PENTERNAK
 MENGIKUT NEGERI DAN SPESIES IKAN BAGI TAHUN 1989.
 DISTRIBUTION OF FRESHWATER FISH FRY TO CULTURISTS
 BY STATE AND SPECIES, 1989.

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilap Niloti Tilapia Nilotik	Tilapia Merah Red Tilapia	Keli River Catfish	Jumlah Total
Perlis	14,146	19,107	165	13,723	3,619	20,174	0	70,934
Kedah	195,348	94,692	6,400	25,332	18,613	69,508	27,000	436,893
P.Pinang/ Penang	37,950	6,215	20,400	3,575	27,500	27,973	15,000	138,613
Perak	64,870	5,950	37,685	6,885	28,750	85,983	179,606	409,729
Selangor	543,816	100	11,000	0	0	66,945	45,000	666,861
W.Persekutuan/ F.Territory	2,500	0	0	0	0	5,975	0	8,475
N. Sembilan	76,850	5,500	200	0	0	2,000	0	84,550
Melaka/Malacca	0	0	0	0	0	0	0	0
Johor/Johore	139,400	29,910	0	0	8,100	32,320	0	209,730
Pahang	1,051,181	146,236	74,370	47,757	0	248,396	0	1,567,940
Terengganu	134,420	80,300	0	11,385	57,805	15,400	0	299,310
Kelantan	182,502	87,878	3,200	2,469	45,914	39,221	40,000	401,184
Sarawak	3,748,499	1,557,470	105,956	119,350	104,326	18,334	822	5,654,757
Sabah	0	0	0	0	0	0	0	0
Jumlah/Total:	6,191,482	2,033,358	259,376	230,476	294,627	632,229	307,428	9,948,976

MALAYSIA
BILANGAN PUSAT PENETASAN SWASTA DAN PENGELUARANNYA
MENGIKUT SPESIES DAN NEGERI, 1989.
NUMBER OF PRIVATE HATCHERIES AND PRODUCTIONS BY SPECIES AND STATE, 1989

JADUAL (TABLE) 23.5

Negeri State	Bil. Pusat Penetasan No. of Hatchery	Udang Harimau Tiger prawn	Udang Putih Banana Prawn	Tilapia Nilotika Tilapia Nilotica	Tilapia Merah Red Tilapia	Kap Jepun Japanese Carp	Lee Koh Common Carp	Udang Galah Giant Freshwater Prawn	Pelbagai Miscellaneous	Jumlah Total
Perlis	0	0	0	0	0	0	0	0	0	0
Kedah	2	15,500,000	0	0	0	0	0	0	829,000	16,329,000
P.Pinang/Penang	1	7,527,801	0	0	0	0	0	0	0	7,527,801
Perak	5	8,000,000	0	30,000	40,000	0	0	0	440,000	8,510,000
Selangor	3	12,000,000	0	0	400,000	360,000	360,000	0	98,300	13,218,300
W.Persekutuan/ F.Territory	0	0	0	0	0	0	0	0	0	0
N.Sembilan	1	0	0	0	0	0	0	0	0	0
Melaka	3	7,500,000	0	0	0	0	20,000	0	855,000	8,375,000
Johor	11	131,000,000	69,550,000	0	0	0	0	0	0	200,550,000
Pahang	0	0	0	0	0	0	0	0	0	0
Terengganu	0	0	0	0	0	0	0	0	0	0
Kelantan	0	0	0	0	0	0	0	0	0	0
Sarawak	0	0	0	0	0	0	0	0	0	0
Sabah	0	0	0	0	0	0	0	0	0	0
Jumlah/Total	26	181,527,801	69,550,000	30,000	440,000	360,000	380,000	0	2,222,300	254,510,101

MALAYSIA JADUAL(TABLE)24.1
 BILANGAN PENGELUARAN IKAN AKUARIUM SERTA NILAI YANG
 DIKELUARKAN DALAM TAHUN 1989.
 PRODUCTIONS AND VALUE OF ORNAMENTAL FISH 1989

Negeri State	Bilangan Dikeluarkan(Ekor) (No. of Production)	Nilai (M\$) Value (M\$)
Perlis	0	0.00
Kedah	0	0.00
P.Pinang/ Penang	272,682	194,267.20
Perak	38,569,860	13,499,451.00
Selangor	1,597,000	558,950.00
W.Persekutuan/F.Territory	0	0.00
N.Sembilan	0	0.00
Melaka / Malacca	0	0.00
Johor / Johore	30,522,911	2,013,008.61
Pahang	0	0.00
Terengganu	0	0.00
Kelantan	0	0.00
Sarawak	0	0.00
Sabah	0	0.00
JUMLAH/TOTAL	70,962,453	16,265,676.81

**KLASIFIKASI PERANGKAAAN PIAWAIAN IKAN-IKAN
AIRTAWAR MALAYSIA**
STANDARD STATISTICAL CLASSIFICATION
OF COMMON MALAYSIAN FRESHWATER FISHES

ISSCAAP		Local Name	English Name	Scientific Name		
DIVISION	GROUP					
1. Freshwater Fishes	11 Carps, Barbs	Tengas	Carp	Acrossocheilus hexagonolepis		
		Kap Kepala Besar	Big Head Carp	Aristichthys nobilis		
		Ikan Mas	Edible Gold Fish	Carassius auratus		
		Kap Lumpur	Mud Carp	Cirrhina molitorella		
		Kap Rumpot	Grass Carp	Ctenopharyngodon idellas		
		Temperas	Carp	Cyclochelichthys apogon		
		Lee Koh	Common Carp	Cyprinus Carpio		
		Selimang Batu	Carp	Epbalzeorthynchus kalopterus		
		Sebarau	Carp	Hempala macrolepidota		
		Kap Perak	Silver Carp	Hypophthalmichthys molitrix		
		Pucuk Pisang	Carp/Barb	Labiobarbus fasciatus		
		Lomah	Carp/Barb	Labiobarbus ocellatus		
		Jelawat	River Carp	Leptobarbus hoevenii		
		Jenkua	Carp	Morulus chrysophekadion		
		Kap Hitam	Black Carp	Mylopheryngodon piceus		
		Sia	Carp	Mystacoleucus marginatus		
		Terbol	Carp	Osteochilus hasseltii		
		Lallang	Carp	Oxygaster anomalura		
		Bulu Ayam	Carp	Oxygaster spp.		
		Temoleh, Temelian	Giant River Carp	Probarbus Jullieni		
		Putih, Tebal Sisek	Common Barb	Puntius binotatus		
		Tengalan	Carp/Barb	Puntius bulu		
		Kerai Kunyit	Carp/Barb	Puntius daruphani		
		Lampam Jawa	Javanese Carp	Puntius gonionotus		
		Bagoh	Spanner Barb	Puntius lateristriga		
		Lampam Sungai	River Carp	Puntius schwarefeldii		
		Susur Batang	Rasbora	Rasbora einthovenii		
		Seluang	Two-spot Rasbora	Rasbora elegans		
		Kelah	River Carp	Tor tambroides		
			12 Cichlids	Tilapia	Tilapia	Tilapia mossambica
			13 Miscellaneous freshwater fishes	Puyu	Climbing Perch	Anabas tertudineus
		Tuna		River Eel	Anquilla bicolor/A. nebulosa	
Kepala Timah	White Spot	Aplocheilus panchax				
Lali-lali	Loach	Botia spp.				
Keli	Freshwater Catfish	Clarias batrachus/C. macrocephalus.				
Limbat	Freshwater Catfish	Clarias nieuhofi				
Belut	Swamp Eel	Fluta alba				
Temakang	Kissing Gourami	Helostoma temminckii				
Susoh Batu	Loach	Homaloptera spp.				
Baug	River Catfish	Mystus nemurus				
Tengku Lolah	River Catfish	Mystus wyckii				
Belida	Feather back	Notopterus notopterus				
Kelui	Giant Gourami	Osphronermus goramy				
Bujuk	Snake Head	Ophicephalus lucius				
Toman	Snake Head	Ophicephalus micropeltes				
Haruan	Snake Head	Ophicephalus striatus				
Ketutu	Goby	Oxyleotris marmoratus				
Lawang	River Catfish	Pangassius micronemus				
Patin	River Catfish	Pangassius pangassius				
Kepar, Patong	Perch	Pristiplettis fasciatus				
Kelesa	Sclerapages	Scleropages formosus				
Sepat Siam	Snakeskin Gouramy	Trichogaster pectoralis				
Sepat Padi	Two-spot Gouramy	Trichogaster trichopterus				
Tapah	Giant River Catfish	Wallago spp.				
4 Crustaceans	41 Freshwater Crustaceans	Udang Galah	Giant Freshwater Prawn	Macrobrachium rosenbergii		