

Appendix 1. TRAWL STATIONS.

NO. OF STATION	LAT. (N)	Lon. (E).	DEPTH (m.)	CRUISE	DURATION min.
1	3.20:064	101.03:00	3.7	C1TR1	15
2	2.19:18	101.09:36	2.95	C1TR1	15
4	3.15:66	101.13:25	7.75	C1TR1	15
5	3.15:50	101.16:22	7.2	C1TR1	30
6	3.13:23	101.15:50	3.6	C1TR1	15
8	3.13:631	101.10:658	2.6	C1TR1	15
9	3.10:538	101.10:066	5.9	C1TR2	15
10	3.09:623	101.13:065	6	C1TR2	15
11	3.10:707	101.16:597	5	C1TR2	15
14	3.05:699	101.11:448	3.95	C1TR3	15
15	3.03:814	101.10:695	4.65	C1TR3	15
1	3.18:344	101.12:972	3.55	C2TR1	20
2	3.18:626	101.10:813	3	C2TR1	15
4	3.17:095	101.13:099	7.93	C2TR1	20
5	3.17:018	101.14:910	3	C2TR1	15
6	3.14:855	101.16:859	3.57	C2TR2	15
8	3.11:682	101.10:800	1.53	C2TR2	15
9	3.10:166	101.11:158	1.68	C2TR2	15
10	3.10:015	101.24:274	14.52	C2TR2	15
11	3.11:277	101.17:915	1.43	C2TR2	15
12	3.07:621	101.17:720	12.32	C2TR3	15
13	3.06:893	101.16:815	10.83	C2TR3	15
14	3.05:225	101.14:237	1.89	C2TR3	15
15	3.06:078	101.10:919	2.29	C2TR3	15
1	03.18:348	101.12:928	3.43	C3TR1	15
2	03.18:759	101.09:979	16.43	C3TR1	15
4	03.18:096	101.13:612	3.14	C3TR1	15
5	03.17:602	101.14:522	3.09	C3TR1	15
6	03.14:886	101.16:858	3.94	C3TR2	15
8	03.11:997	101.10:360	4	C3TR2	15
9	03.10:390	101.11:043	2.31	C3TR2	15
10	03.10:168	101.13:229	4.43	C3TR2	15
11	03.11:026	101.17:863	1.86	C3TR2	15
12	03.07:353	101.17:745	6.97	C3TR3	15
13	03.05:998	101.16:986	11.89	C3TR3	15
14	03.05:631	101.14:050	2.66	C3TR3	15
15	03.05:635	101.10:828	2.14	C3TR3	15
1	03.18:403	101.13:007	3.03	C4TR1	15
2	03.18:447	101.11:080	2.86	C4TR1	15
3	03.17:852	101.11:047	17.66	C4TR1	15
4	03.17:354	101.13:526	8.17	C4TR1	15
5	03.17:761	101.14:130	3.14	C4TR1	15
6	03.14:733	101.16:929	3.51	C4TR2	15
8	03.11:776	101.09:778	3	C4TR2	15
9	03.10:002	101.10:955	3.77	C4TR2	15
10	03.09:893	101.03:750	12.66	C4TR2	15
11	03.11:260	101.17:790	6.4	C4TR2	15
12	03.08.827	101.17.129	15	C4TR3	15
13	03.08.146	101.15.548	8	C4TR3	15

Continue Appendix (1). TRAWL STATIONS.

STATION	LAT. (N)	Lon. (E).	DEPTH (m.)	CRUISE	DURATION min.
14	03.06.997	101.14.355	4.5	C4TR3	15
15	03.07.814	101.09.695	4.5	C4TR3	15
1	03.18.585	101.13.797	3.7	C5TR1	15
2	03.19.335	101.10.864	3.15	C5TR1	15
4	03.15.400	101.14.826	6.7	C5TR1	15
5	03.16.501	101.15.357	3	C5TR1	15
6	03.15.165	101.15.495	6	C5TR2	15
8	03.11.442	101.09.465	4	C5TR2	15
9	03.08.375	101.10.852	3	C5TR2	15
10	03.11.082	101.15.149	8	C5TR2	15
11	03.11.489	101.15.740	7	C5TR2	15
12	03.08.827	101.17.129	10.2	C5TR3	15
13	03.07.733	101.16.507	14.1	C5TR3	15
14	03.07.930	101.14.214	6	C5TR3	15
15	03.08.331	101.11.061	4	C5TR3	15

Appendix (2). TRAWL SURVEY CRUISES

SE	DATE	STATIONS SELECTED	TRAWLED	UNTRAWLABLE
R1	04. 11. 1996	1,2,3,4 ,5 and 6	1,2,4,5and 6	3
R2	18. 12. 1996	7,8,9,10 and 11	8,9,10 and 11	7
R3	17. 01. 1996	12,13,14 and 15	13,14 and 15	12
R1	26. 02. 1997	1,2,3,4 and 5	1,2,4 and 5	3
R2	17. 03. 1997	6,7,8,9,10 and 11	6,8,9,10 and 11	7
R3	16 .04. 1997	12,13,14 and 15	12,13,14 and 15	-
R1	15 .05. 1997	1,2,3,4 and 5	1,2,4 and 5	3
R2	14 .06. 1997	6,7,8,9,10 and 11	6,8,9,10 and 11	7
R3	14 .07. 1997	12,13,14 and 15	12,13,14 and 15	-
1	13 .08. 1997	1,2,3,4 and 5	1,2,4 and 5	3
2	11 .09. 1997	6,7,8,9,10 and 11	6,8,9,10 and 11	7
3	11 .12. 1997	12,13,14 and 15	12,13,14 and 15	-
1	28 .02. 1998	1,2,3,4 and 5	1,2,4 and 5	3
2	28 .03. 1998	6,7,8,9,10 and 11	6,8,9,10 and 11	7
3	21 .04. 1998	12,13,14 and 15	12,14 and 15	13

Appendix (3). Trawl information, field form.

Date	
Station	
Tide	

	Shooting	Hauling
Time		
Depth.		
Latitude		
Longitude		

Valid haul	Yes	No
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Trawl type	
Heading	
Duration	

	Weight	Raising factor
Total catch		
Sample		

No.	Species	Family
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		

Appendix (4). Field form

C TR. ST.

Date	
Station	
Latitude	
Longitude	
Time	
Tide	

WATER PARAMETERS

Depth.m	0.5	1	2	3	4	5	6
Turbo.							
PH							
O2							
S%							
Temp.							

SEDIMENT PARAMETERS

	Sample number	Sample number
PH		
Temperature		
nVe		

Appendix(5). Water parameter were recorded at each station in Klang Straits during the study period.

Date	cover	Station	depth	Turbidity	pH	Oxygen	Salinity	Temperature
Nov.96	1	1	3.7	100	8.27	5.34	32.2	29.2
Nov.96	1	2		126	8.31	4.17	32.6	29
Nov.96	1	4	7.75	16	8.42	4.98	32.3	29.3
Nov.96	1	5	7.2	12	8.17	4.1	32.9	29
Nov.96	1	6	3.5	29	8.43	4.77	32.9	29.8
Dec.96	1	8	2.6	11	8.7	6.56	32.5	28.3
Dec.96	1	9	5.9	23	8.51	6.15	32	26.9
Dec.96	1	10	6	84	8.42	5.83	31.3	27.8
Dec.96	1	11	5	33	8.36	8.34	31	27.9
Jan.96	1	12						
Jan.96	1	13						
Jan.96	1	14	4	49	8.5	7.51	31.9	28.2
Jan.96	1	15	4.65	28	8.39	6.34	32.6	28.6
Feb.97	2	1	3.55	106	8.21	4.39	31.3	29.2
Feb.97	2	2	2	270	8.34	5.46	31.4	30.5
Feb.97	2	4	9	97	8.36	4.3	30.5	29.9
Feb.97	2	5	3	55	8.11	4.13	30	29.7
Mar.97	2	6	4.55	14	7.92	3.44	32.1	29.9
Mar.97	2	8	2.4	8	8.47	7.11	32.4	29.8
Mar.97	2	9	2	10	8.45	7.3	32.3	30.3
Mar.97	2	10	9	7	8.31	5.38	32.5	29.6
Mar.97	2	11	2.35	22	8.28	5.29	32.2	29.9
Apr.97	2	12	11	9	8.25	5.19	32.4	29.7
Apr.97	2	13	14.2	50	8.29	6.47	32.2	29.9
Apr.97	2	14	2.7	93	8.45	7.91	32.1	29.9
Apr.97	2	15	3.5	76	8.45	7.38	32.9	29.7
May.97	3	1	3.36		8.44	5.46	31.4	30
May.97	3	2	16.67	8	8.35	4.96	31.4	30
May.97	3	4	3.12		8.41	5.4	31.3	30
May.97	3	5	3.27		8.39	5.39	32.6	30.4
Jun.97	3	6	5.6		8.54	5.05	28.8	29.2
Jun.97	3	8	4.24		8.84			29.9
Jun.97	3	9	2.42		8.61			30.3
Jun.97	3	10	4.7		8.36			30.3
Jun.97	3	11	2.5	12	8.61	5.11	31.4	30
July.97	3	12	13.3	51	8.11	5.02	31	29.5
July.97	3	13	10.13		8.14	4.98	31.2	29.4
July.97	3	14	2.94		8.4	6.82	32	29.5
July.97	3	15	2.49		8.31	6.55	32.1	29.5

Continue appendix(5).

Date	cover	Station	depth	Turbidity	pH	Oxygen	Salinity	Temperature
Aug.97	4	1	3.21	3.75	8.17	6.44	31.9	29.8
Aug.97	4	2	3.03	25	8.22	6.59	32	29.7
Aug.97	4	4	8.67	4	8.2	6.42	32	29.7
Aug.97	4	5	5	50	8.21	6.71	27.8	29.9
Sep.97	4	6	3.73	10	8.06	6.61	31.5	29.5
Sep.97	4	8	5.55	7	8.01	6.64	32.2	29.7
Sep.97	4	9	3.4	7	8.08	6.39	32.2	29.7
Sep.97	4	10	14.65	11	8.02	5.06	32.4	29.5
Sep.97	4	11	6.4	7	8.18	7.44	31.6	29.6
Dec.97	4	12	15	7.7	7.93	5.56	31.6	30.2
Dec.97	4	13	8	20	8.07	5.06	31.6	30
Dec.97	4	14	4.5	34	8.08	5.28	31.8	30.5
Dec.97	4	15	4.5	34	8.07	5.8	31.9	30.4
Feb.98	5	1	3.7	110	8.08	5.72	25.3	30.8
Feb.98	5	2	3.15	230	8.3	6.47	25.4	30.6
Feb.98	5	4	6.7	78	8.35	6.39	32.2	30.1
Feb.98	5	5	3	46	8.33	5.82	31.9	30.3
Mar.98	5	6	6	45	8.23	4.34	31.3	29.9
Mar.98	5	8	4	18	8.16	6.19	32	30.1
Mar.98	5	9	3	15	8.24	6.65	31.8	29.8
Mar.98	5	10	8	13	8.49	6.1	32.4	30.2
Mar.98	5	11	7	10	8.51	5.84	32.1	30.1
Aprl.98	5	12	10.2	39	8.61	5.46	32.2	31.3
Aprl.98	5	13	14.1	68	8.28	5.98	32.6	31.2
Aprl.98	5	14	6	69	8.22	6.28	32.7	30.7
Aprl.98	5	15	4	66	8.43	5.87	32.8	30.4

Appendix(6). The percentages of sediment classes were recorded at each station in Klang Straits during the study period.

Date	cover	Station	Clay %	Slit %	V.F.S. %	F.S. %	M.S. %	C.S. %	Texture
Nov.96	1	1	6.417	62.199	17.49	8.237	4.067	1.59	SILT
Nov.96	1	2	5.65	43.878	23.76	13.37	8.908	4.434	V.F.S
Nov.96	1	4	9.096	87.2185	3.644	0.0415	0	0	SILT
Nov.96	1	5	7.568	53.563	6.638	3.602	3.94	24.689	SILT
Nov.96	1	6	6.179	58.13593	24.13	9.843	1.691	0.021072	SILT
Dec.96	1	8	0.997	4.823	8.448	66.76	8.411	10.561	F.S
Dec.96	1	9	5.153	38.67	32.06	18.107	3.636	2.374	V.F.S
Dec.96	1	10	5.774	76.542	7.747	6.531	2.873	2.871	SILT
Dec.96	1	11	10.028	61.185	19.85	8.936	0	0	SILT
Jan.96	1	12							
Jan.96	1	13	2.127	8.318	40.33	49.225	0	0	F.S
Jan.96	1	14	2.416	14.214	57.64	25.557	0.173	0	V.F.S
Jan.96	1	15	5.22	41.221	30.85	14.507	6.847	1.355	V.F.S
Feb.97	2	1	10.246	63.995	15.52	7.845	2.39	0.004	SILT
Feb.97	2	2	6.605	63.288	16.41	9.468	1.811	2.418	SILT
Feb.97	2	4	6.647	43.426	4.268	31.95	8.49	5.219	V.F.S
Feb.97	2	5	8.048	81.48	6.431	3.254	0.786	0.001	SILT
Mar.97	2	6	9.252	86.853	3.488	0.407	0	0	SILT
Mar.97	2	8	4.338	28.1048	31.83	34.81	0.895	0.0222	V.F.S
Mar.97	2	9	3.133	16.618	42.65	33.036	1.708	2.855	V.F.S
Mar.97	2	10							
Mar.97	2	11	1.348	11.47	1.663	57.751	18.304	9.464	F.S
Apr.97	2	12							
Apr.97	2	13	2.878	32.696	21.53	42.873	0.023	0	V.F.S
Apr.97	2	14	1.944	17.877	57.94	22.239	0	0	V.F.S
Apr.97	2	15	4.662	41.668	32.51	12.739	4.681	3.74	V.F.S
May.97	3	1	8.888	51.587	18.91	13.774	4.95	1.891	SILT
May.97	3	2	6.677	57.2658	20.19	13.36	1.941	0.5662	SILT
May.97	3	4	7.269	65.307	19	6.75	1.661	0.013	SILT
May.97	3	5	8.909	73.3257	9.092	5.792	2.473	0.4083	SILT
Jun.97	3	6	8.218	86.301	4.771	0.71	0	0	SILT
Jun.97	3	8	5.688	46.5593	30.44	15.505	1.298	0.5097	V.F.S
Jun.97	3	9	4.686	31.337	44.35	19.626	0.001	0	V.F.S
Jun.97	3	10							
Jun.97	3	11	2.456	16.218	5.012	53.87	12.855	9.589	F.S
July.97	3	12							
July.97	3	13	3.826	16.801	33.96	38.416	3.272	3.725	V.F.S
July.97	3	14							

Continue appendix(6).

Date	cover	Station	Clay %	Slit %	V.F.S. %	F.S. %	M.S. %	C.S. %	Texture
July.97	3	15	4.975	48.2086	27.35	12.389	6.047	1.0304	SILT
Aug.97	4	1	8.538	60.339	13.89	11.226	2.917	3.09	SILT
Aug.97	4	2	4.126	39.235	34.97	17.4781	2.4	1.7909	V.F.S
Aug.97	4	4	8.742	82.9916	4.943	2.929	0.3944	0	SILT
Aug.97	4	5	16.288	77.668	5.371	0.673	0.673	0	SILT
Sep.97	4	6	7.7	86.808	2.74	2.677	0.075	0	SILT
Sep.97	4	8	5.809	53.286	24	13.565	1.92	1.42	SILT
Sep.97	4	9	3.224	14.55	53.57	28.617	0.039	0	V.F.S
Sep.97	4	10	6.774	75.542	6.747	7.531	2.872	0.534	SILT
Sep.97	4	11	5.695	35.631	5.327	35.917	10.529	6.901	F.S
Dec.97	4	12							
Dec.97	4	13	3.805	29.01598	36.36	28.426	1.673	0.72002	V.F.S
Dec.97	4	14	2.416	14.214	57.64	25.557	0.173	0	V.F.S
Dec.97	4	15	5.127	49.94	30.46	9.9	2.632	1.941	SILT
Feb.98	5	1	2.654	56.567	10.6	11.53	9.29	7.78	SILT
Feb.98	5	2	3.049	28.208	18.81	20.39	9.21	18.161	V.F.S
Feb.98	5	4	0.483	51.91	19.11	17.22	6.453	3.016	SILT
Feb.98	5	5	18.672	51.945	10.749	6.748	9.08	2.806	SILT
Mar.98	5	6	2.675	27.462	19.41	23.33	17.653	9.47	SILT
Mar.98	5	8	3.347	27.607	32.4	22.84	6.418	7.6003	V.F.S
Mar.98	5	9	1.026	17.769	48.39	32.795	0.02	0	V.F.S
Mar.98	5	10	4.034	32.46	11.99	27.13	12.02	12.366	F.S
Mar.98	5	11	3.718	30.61	14.13	25.38	11.6	14.562	F.S
Apr.98	5	12							
Apr.98	5	13	2.262	12.628	42.51	41.373	1.227	0	V.F.S
Apr.98	5	14	1.43	12.35	14.6	21.77	14.31	4.6	V.F.S
Apr.98	5	15	2.624	21.48	42.56	31.43	1.698	0.208	V.F.S

Where..V. F.S = Very fine sand, F.S = Fine sand, M.S = Medium sand, C.S = Coarse sand.

Appendix(7).The sediment parameters were recorded during the study period.

Date	cover	Station	pH	Redox.P.	Temperature	Organic matter
Nov.96	1	1	7.25	-44	29.5	8.30931
Nov.96	1	2	8.37	-40	30.7	6.93621
Nov.96	1	4	7.61	-41	28.7	5.13202
Nov.96	1	5	7.42	-32	28.8	9.78073
Nov.96	1	6	7.18	-15	28.9	9.36036
Dec.96	1	8	7.88	-55	28.7	3.24601
Dec.96	1	9	7.28	-21	29.2	2.0191
Dec.96	1	10	7.65	-42	29.3	4.03612
Dec.96	1	11	7.21	-16	28.8	3.8646
Jan.96	1	12				
Jan.96	1	13	7.6	-56	29.9	5.20131
Jan.96	1	14	8.76	-54	32	6.4412
Jan.96	1	15	8.12	-45	30	5.21983
Feb.97	2	1	6.14	-43	29.5	8.187549
Feb.97	2	2	6.1	29	29.8	7.681583
Feb.97	2	4	7.32	34	29.9	6.903351
Feb.97	2	5	7.44	-34	29.1	9.788763
Mar.97	2	6	7.35	-24	29.9	8.209664
Mar.97	2	8	6.18	44	29.3	3.286846
Mar.97	2	9	6.19	44	29.4	2.142247
Mar.97	2	10	7.5	-42	29.2	3.21031
Mar.97	2	11	7.65	-42	29.8	2.13208
Apr.97	2	12				
Apr.97	2	13	7.75	-58	29.7	5.007258
Apr.97	2	14	8.8	-56	29.6	5.21731
Apr.97	2	15	8.35	-46	29.8	2.319065
May.97	3	1	7.73	-28	29.9	7.2931
May.97	3	2	7.6	-24	29.9	8.2136
May.97	3	4	7.47	-23	29.8	7.407117
May.97	3	5	7.59	-22	29.9	9.493466
Jun.97	3	6	7.49	-22	29.3	10.34099
Jun.97	3	8	6.19	44	29.3	3.089927
Jun.97	3	9	7.41	-28	29.5	2.11612
Jun.97	3	10	7.43	-32	29.4	4.38101
Jun.97	3	11	8.25	-41	29.8	3.888708
July.97	3	12				
July.97	3	13	7.86	-29	29.6	6.0121
July.97	3	14	8.34	-42	29.4	4.9378
July.97	3	15	7.98	-46	29.5	2.79316

Continue appendix(7).

Date	cover	Station	pH	Redox.P.	Temperature	Organic matter
Aug.97	4	1	7.88	-91	29.5	8.290166
Aug.97	4	2	6.89	43	29.5	5.511736
Aug.97	4	4	6.5	-24	29.7	11.07852
Aug.97	4	5	6.78	-38	29.5	10.05385
Sep.97	4	6	6.55	5	27.9	9.866066
Sep.97	4	8	7.42	-41	28.5	4.291972
Sep.97	4	9	8.06	-71	28.9	2.266436
Sep.97	4	10	7.62	-43	30.3	4.91012
Sep.97	4	11	8.53	-92	28.5	3.829432
Dec.97	4	12				
Dec.97	4	13	8.81	-76	29.2	6.2132
Dec.97	4	14	9.82	-160	31.8	2.079978
Dec.97	4	15	8.67	-49	29.5	4.43506
Feb.98	5	1	8.1	-11	24.4	7.565
Feb.98	5	2	8.2	-44	27.3	7.779
Feb.98	5	4	8.3	-75	25.6	3.907
Feb.98	5	5	7.93	-34	29.6	9.78
Mar.98	5	6	7.46	-4	25.8	5.483
Mar.98	5	8	8.49	-20	29.3	4.063
Mar.98	5	9	8.19	-28	28.6	2.655
Mar.98	5	10	8.13	-6	28.5	9.02
Mar.98	5	11	7.38	-3	28.7	8.482
Aprl.98	5	12				
Aprl.98	5	13	8.54	-71	31.1	5.007
Aprl.98	5	14	8.76	-54	30.1	3.361
Aprl.98	5	15	8.61	-46	30.3	2.597

Appendix (8), Distribution of the all species during the study period.

spp.no	Species name\Station number	1	2	4	5	6	8	9	10	11	12	13	14
1	<i>Alectis indicus</i>	-	-	-	+	-	-	+	-	-	-	-	+
2	<i>Atropus atropus</i>	-	-	-	-	-	+	+	+	+	-	-	+
3	<i>Alepes djeddaba</i>	+	+	+	+	+	+	+	+	+	+	-	+
4	<i>Carangoides armatus</i>	-	-	-	-	-	+	-	-	-	-	-	-
5	<i>Carangoides malabaricus</i>	+	+	+	+	-	+	-	-	-	-	-	+
6	<i>Scomberoides commersonianus</i>	+	+	+	+	-	+	+	+	-	-	-	-
7	<i>Megalaspis cordyla</i>	-	+	-	-	+	-	-	+	-	-	-	-
8	<i>Chirocentrus dorab</i>	-	-	-	-	-	+	+	-	-	+	-	+
9	<i>Escualosa thoracata</i>	-	-	+	+	-	-	-	-	-	-	-	-
10	<i>Illisha elongata</i>	+	+	+	+	+	+	+	+	-	+	+	+
11	<i>Sardinella fimbriata</i>	+	+	-	-	-	-	+	+	-	-	+	+
12	<i>Herklotsichthys punctatus</i>	-	+	-	+	-	-	+	+	+	-	-	+
13	<i>Hilsa toli</i>	+	+	-	+	+	-	+	+	+	-	-	+
14	<i>Coilia dussumieri</i>	-	+	+	-	-	-	+	-	-	+	+	+
15	<i>Setipinna taty</i>	+	+	+	+	+	+	+	+	+	+	+	+
16	<i>Stolephorus tri</i>	+	+	+	+	+	+	+	+	+	+	+	+
17	<i>Thryssa dussumieri</i>	-	+	-	-	-	-	-	-	-	-	-	-
18	<i>Thryssa hamiltonii</i>	+	-	+	+	+	+	+	-	+	-	+	+
19	<i>Thryssa kammalensis</i>	+	+	-	+	-	-	-	+	+	-	+	+
20	<i>Ephippus orbis</i>	-	-	+	-	-	+	-	+	-	-	-	-
21	<i>Valamugil cunnesius</i>	+	+	+	+	+	-	+	+	+	+	-	-
22	<i>Eleutheronema tetradactylus</i>	-	-	-	-	-	-	-	-	-	+	-	-
23	<i>Polynemus indicus</i>	-	-	-	-	+	-	-	+	-	+	-	-
24	<i>Polynemus sextarius</i>	-	+	+	+	+	-	+	-	-	-	+	+
25	<i>Rastrelliger kanagurta</i>	-	-	-	+	-	-	-	-	-	-	-	-
26	<i>Indocyblum guttatus</i>	+	-	-	-	-	+	-	-	+	+	-	+
27	<i>Pampus argenteus</i>	+	+	+	+	-	+	+	+	+	+	+	+
28	<i>Pampus chinensis</i>	-	-	-	+	-	-	+	+	-	+	-	+
29	<i>Parastromateus niger</i>	+	-	-	-	-	-	-	-	-	+	+	-
30	<i>Arius caelatus</i>	+	+	+	+	+	-	-	-	+	+	+	-
31	<i>Arius maculatus</i>	-	-	+	+	+	+	+	+	+	+	+	-
32	<i>Arius sagor</i>	-	-	-	-	-	-	-	-	-	+	-	-
33	<i>Arius venosus</i>	-	-	-	+	+	+	-	+	+	-	-	+
34	<i>Osteogeneiosus militaris</i>	-	+	+	+	+	-	-	+	+	+	-	-
35	<i>Pseudorhombus malayanus</i>	-	-	-	-	-	+	-	+	-	-	+	+
36	<i>Paramonacanthus choircephalus</i>	-	-	-	-	-	+	-	-	-	-	-	-
37	<i>Apogon ellioti</i>	-	-	+	-	-	-	+	-	-	-	-	-
38	<i>Apogon quadrifasciatus</i>	-	-	-	-	-	+	+	-	-	-	+	-
39	<i>Ambassis commersoni</i>	+	+	+	+	-	+	+	+	+	-	+	+
40	<i>Batrachus grunniens</i>	+	-	+	+	+	+	-	+	-	-	-	-

Continue Appendix (8).

spp.no	Species name\Station number	1	2	4	5	6	8	9	10	11	12	13	14
41	<i>Callionymus sagitta</i>	+	-	+	+	+	+	-	-	-	-	-	+
42	<i>Scoliodon sorrakowah</i>	-	-	-	-	-	-	-	-	-	+	-	-
43	<i>Cynoglossus macrolepidotus</i>	-	-	+	-	-	-	-	-	-	-	-	-
44	<i>Cynoglossus lingua</i>	+	+	+	+	+	+	+	+	+	+	+	+
45	<i>Anodontostoma chacunda</i>	+	-	+	+	+	+	+	-	+	-	-	-
46	<i>Drepane longimana</i>	+	-	-	-	-	-	+	+	+	-	+	+
47	<i>Drepane punctata</i>	-	-	-	-	-	+	+	+	+	-	-	+
48	<i>Gerres abbreviatus</i>	-	+	-	-	+	+	+	+	-	-	+	+
49	<i>Gerres filamentosus</i>	-	-	-	-	-	+	-	+	-	-	-	-
50	<i>Acentrogobius caninus</i>	-	-	+	-	-	-	-	-	-	-	-	+
51	<i>Aulopareia atripinnatus</i>	-	-	-	-	+	-	-	-	-	-	-	-
52	<i>Aulopareia sp.</i>	-	-	-	-	-	+	-	-	-	-	-	-
53	<i>Butis koilomatodon</i>	-	-	-	-	-	-	+	+	-	-	-	-
54	<i>Parachaeturichthys polynema</i>	-	-	+	-	-	-	-	-	-	-	-	-
55	<i>Harpadon nehereus</i>	+	+	+	-	+	+	+	-	+	-	-	+
56	<i>Kurtus indicus</i>	-	+	-	-	-	-	-	-	-	-	-	-
57	<i>Halichoeres bicolor</i>	-	-	-	-	-	-	-	+	-	-	-	-
58	<i>Gastrophysus lunaris</i>	+	-	+	+	+	+	+	+	+	-	+	+
59	<i>Torquigener oblongus</i>	+	-	+	-	+	-	-	-	+	+	+	-
60	<i>Leiognathus brevisrostris</i>	+	+	+	+	+	+	+	+	+	+	+	+
61	<i>Leiognathus bindus</i>	+	-	-	-	-	-	+	-	-	-	-	+
62	<i>Leiognathus daura</i>	+	-	-	-	-	+	-	-	-	-	-	-
63	<i>Leiognathus elongatus</i>	-	-	-	-	-	-	-	+	-	-	-	-
64	<i>Leiognathus equulus</i>	-	-	-	-	-	+	-	-	-	-	-	-
65	<i>Gazza minute</i>	-	-	-	-	-	-	-	+	-	-	-	-
66	<i>Secutor insidiator</i>	+	+	+	+	+	+	+	+	+	+	+	+
67	<i>Lutjanus johnei</i>	+	-	-	-	-	-	-	-	-	-	-	-
68	<i>Lutjanus russelli</i>	-	-	+	+	-	+	-	+	-	-	-	+
69	<i>Stephanolepis auratus</i>	-	-	-	-	-	-	+	-	-	-	+	-
70	<i>Upeneus sulphureus</i>	-	+	-	+	+	+	+	+	+	-	+	+
71	<i>Upeneus tragula</i>	-	-	-	-	-	-	-	+	-	-	-	-
72	<i>Muraenesox cinereus</i>	+	+	+	-	+	-	-	-	-	-	-	+
73	<i>Gymnothorax tile</i>	-	-	-	+	-	+	+	+	-	-	-	+
74	<i>Nemipterus hexodon</i>	-	-	+	-	-	-	-	-	-	-	-	-
75	<i>Chiloscyllium indicum</i>	-	+	+	-	+	-	-	+	-	+	+	-
76	<i>Platycephalus indicus</i>	+	+	+	+	+	-	+	+	-	+	+	+
77	<i>Platycephalus scaber</i>	+	+	+	+	+	+	+	+	+	+	+	+
78	<i>Platax teira</i>	+	-	-	-	-	+	-	-	-	-	-	-
79	<i>Plotosus anguillaris</i>	+	-	-	-	-	-	-	-	-	+	-	-
80	<i>Pomadasy hasta</i>	+	-	-	-	-	+	-	-	-	-	-	-

Continue Appendix (8).

spp.no	Species name\Station number	1	2	4	5	6	8	9	10	11	12	13	14
81	<i>Pomadasys maculatus</i>	-	-	+	-	+	+	+	+	-	-	+	+
82	<i>Scatophagus argus</i>	+	+	+	+	-	-	+	-	+	-	-	+
83	<i>Chrysochir aureus</i>	-	-	-	-	-	-	-	-	-	-	+	-
84	<i>Dendrophysa russelli</i>	+	+	+	+	+	-	-	-	-	+	-	-
85	<i>Johnius belangerii</i>	+	-	+	+	+	+	+	+	+	+	+	+
86	<i>Johnius carouna</i>	+	+	+	+	+	+	+	+	+	+	+	+
87	<i>Johnius carutta</i>	-	-	+	-	+	-	+	-	-	+	-	-
88	<i>Johnius dussumieri</i>	+	+	-	+	-	-	-	-	-	-	-	-
89	<i>Johnieops vogleri</i>	-	-	+	-	-	-	-	-	+	+	-	-
90	<i>Johnieops weberi</i>	+	+	-	+	+	-	-	+	+	-	-	-
91	<i>Johnius trachycephalus</i>	+	-	-	-	-	-	-	-	-	-	-	-
92	<i>Otolithes ruber</i>	+	+	+	+	+	-	-	+	+	+	+	-
93	<i>Panna microdon</i>	+	+	-	-	+	-	-	+	+	+	-	-
94	<i>Nibea soldado</i>	-	-	+	-	-	-	-	-	-	-	-	-
95	<i>Pennahia macrophthalmus</i>	+	+	+	+	+	+	+	+	+	+	+	+
96	<i>Polycaulus uranoscopus</i>	+	-	+	+	-	-	-	-	-	-	-	-
97	<i>Vespacula trachinoides</i>	-	-	-	+	-	-	-	-	-	-	-	-
98	<i>Siganus javus</i>	-	-	+	-	-	-	-	-	-	-	-	-
99	<i>Siganus canaliculatus</i>	-	-	+	+	-	+	+	+	+	-	-	+
100	<i>Sillago sihama</i>	-	-	+	-	-	+	+	+	+	-	+	+
101	<i>Solea ovata</i>	-	-	+	-	-	-	-	-	-	-	-	-
102	<i>Synaptura commersoniana</i>	-	-	-	-	-	-	+	+	+	-	-	+
103	<i>Zebrias quagga</i>	-	-	+	-	-	-	-	-	-	-	-	+
104	<i>Psettodes erumei</i>	-	-	-	-	-	-	-	+	-	-	-	-
105	<i>Sphyræna jello</i>	-	-	-	-	+	-	-	-	-	-	-	-
106	<i>Saurida tumbil</i>	-	-	-	+	+	+	+	+	-	-	+	-
107	<i>Saurida undosquamis</i>	+	-	-	-	-	-	-	-	-	-	-	-
108	<i>Therapon jarbua</i>	+	+	-	+	-	-	-	+	+	-	-	-
109	<i>Therapon theraps</i>	-	+	-	+	+	+	+	+	+	-	+	+
110	<i>Trichiurus lepturus</i>	+	+	+	+	+	+	+	+	+	+	+	+
111	<i>Dasyatis imbricatus</i>	-	-	-	-	-	+	-	-	-	-	-	-
112	<i>Dasyatis kuhlii</i>	-	-	-	-	-	+	-	+	-	+	-	-
113	<i>Dasyatis uarnak</i>	-	-	+	-	-	-	-	-	-	-	-	-
114	<i>Dasyatis zugei</i>	-	+	+	-	+	+	-	+	+	+	+	-
115	<i>Trypauchen vagina</i>	+	+	-	+	+	-	-	+	+	-	-	-
116	<i>Pseudotriacanthus strigilifer</i>	-	-	-	+	-	+	-	-	-	-	-	-
117	<i>Triacanthus brevirostris</i>	-	-	-	+	-	-	-	+	-	-	-	-
118	<i>Triacanthus biaculeatus</i>	-	-	-	-	+	-	-	+	-	-	-	-
119	<i>Tetraodon nigroviridis</i>	-	-	-	+	-	-	-	-	-	-	-	-
120	<i>Metapenaeus affinis</i>	+	+	+	+	+	-	-	-	+	+	-	-

Continue Appendix (8).

[illegible]

Continue Appendix (8).

spp.no	Species name\Station number	1	2	4	5	6	8	9	10	11	12	13	14
161	<i>Luidia penangensis</i>	+	-	+	+	+	-	-	+	+	+	+	-
162	<i>Malpodinae</i> sp.A	+	+	+	+	+	+	+	+	+	+	-	-

Where.. (+) = Present, and (-) = Absent.