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Updated Catch and Effort Data from the Norwegian Fishery for Shrimp
on Flemish Cap, 1997-1998.

by

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Norwegian effort in area 3M has been reduced to two vessels during the last two years. One of the vessels has been using a double trawl. Updated catch and effort information up to December 1997 is given in Table 1. Fishery in 1998 started in June, and no logbooks were available for analysis before the 1998 WG meeting. Preliminary radio communicated catches are available for the months June, July and August and were respectively 273, 401, and 309 tonnes, totally 983 tonnes.

Updated CPUE analyses by a time series method using ProcX11, as presented in previous years, are given in Figure 1. There is no time trend in the data except for the initial drop in CPUE from 1993-1994.

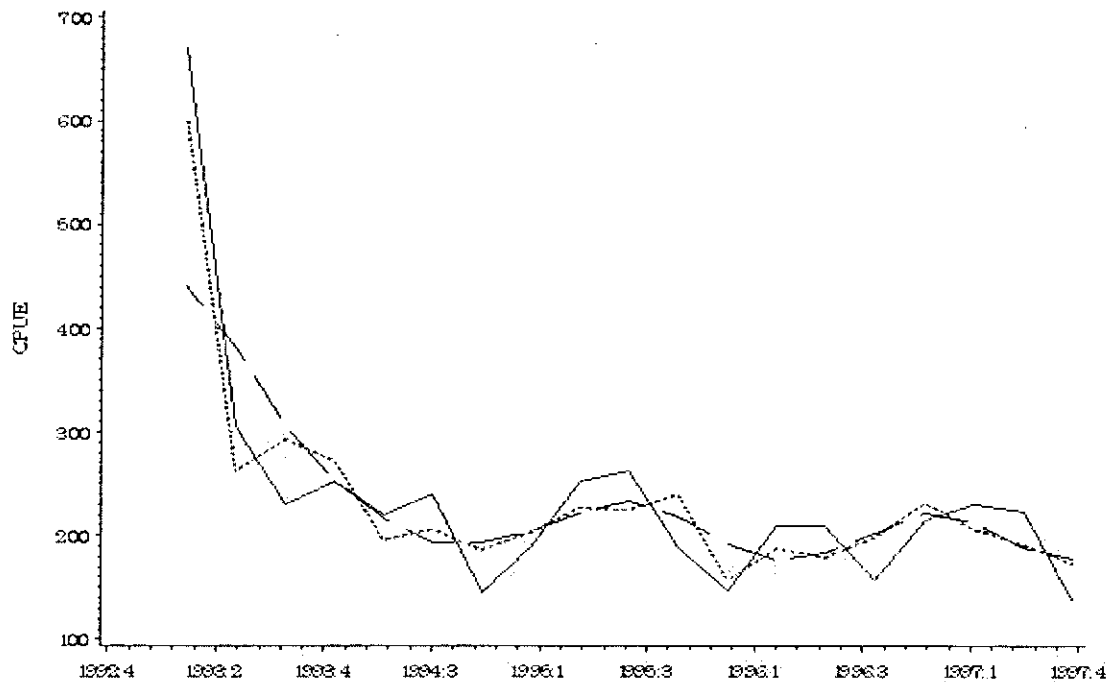


Fig. 1. CPUE results from the Norwegian fishery (cont. line) analysed by the time series method. Dotted line gives the seasonal adjusted series and hatched line the trend.

Table 1. Catches (tons) and effort (hours) data by month as reported in Norwegian log books.

Year	Month	Catch	Hours	CPUE	Catch by year
1993	5	235	428	548	
1993	6	1753	4180	419	
1993	7	1729	5652	306	
1993	8	1270	4906	259	
1993	9	893	3544	252	
1993	10	789	3429	230	
1993	11	362	1931	187	
1993	12	152	582	262	7183
1994	1	456	1816	251	
1994	2	786	2798	281	
1994	3	456	2547	179	
1994	4	349	1590	219	
1994	5	843	2883	293	
1994	6	2145	8412	255	
1994	7	1555	6484	240	
1994	8	1031	5486	188	
1994	9	533	3108	171	
1994	10	256	1755	146	
1994	12	50	204	247	8460
1995	1	28	149	189	
1995	2	112	455	247	
1995	3	139	483	288	
1995	4	396	1566	253	
1995	5	1504	4996	301	
1995	6	2621	8839	297	
1995	7	2548	9734	262	
1995	8	1319	6247	211	
1995	9	548	3316	165	
1995	10	277	1474	188	
1995	11	32	292	110	
1995	12	10	82	125	9534
1996	4	338	1622	209	
1996	5	703	2978	236	
1996	6	1385	5968	232	
1996	7	1178	5640	209	
1996	8	1076	5018	215	
1996	9	343	2071	166	
1996	10	280	1783	157	
1996	11	196	972	202	
1996	12	96	398	242	5595
1997	3	158	991	159	
1997	4	778	3392	229	
1997	5	600	3123	192	
1997	6	610	3058	200	
1997	7	290	1300	223	
1997	8	304	1999	152	
1997	9	345	2336	147	
1997	10	266	1923	138	
1997	11	172	1291	133	
1997	12	140	1038	135	3663