

Council

CNL(04)45

*Sampling of post-smolts and pre-adults of Atlantic salmon in 2003.
Report from Norway.*

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Since 1990 5081 post-smolts and 246 older salmon have been captured in 2,656 surface trawl hauls carried out during cruises surveying for pelagic fish and during salmon surveys in Norway, the North Sea and the Norwegian Sea (Table 1). In 2003 five cruises were relevant, two cruises directed towards sampling post-smolts and three cruises for sampling mackerel, blue whiting and herring. In total 917 post-smolts and 75 older salmon were captured in 218 surface hauls. The detailed data from the different cruises is shown in Table 1.

Table 1. Cruises with surface trawling (flotation on trawl wings), captures of post-smolts and older salmon and smolt catch per unit of effort (CPUE, trawl hours) in 2003 and summary of catches, 1990 – 2003.

Year and Cruise	Gear	Dates	Total number of surface hauls	% hauls with post-smolt captures	Number of post-smolts captured	Number of salmon captured	Mean CPUE Post-smolts	Area surveyed
2003-1 ^{SS}	Salmon trawl ^A ; Fish lift	17.5 - 24.05 ^{SS}	35	47	475	55	9.3	Mid Norwegian coast- west of the mid-Norwegian shelf edge (63.4-65.4°N; 8.0-11.1°E
2003- 2 ^{SS}	Salmon trawl ^A ; Fish lift	16.06- 07.07 ^{SS}	81	44	436	16	8.4	Norwegian Sea east (Norway's EEZ and International zone, mackerel by-catch investigations) , 61 – 73.3°N; 1.5°W- 13°E
2003-3	Åkra trawl ^B	01 – 22.07	34 (74)	0	0	2	*	North Sea-Norwegian Sea (south), Herring & Blue whiting Pelagic survey
2003-4	Midwater trawl	15 – 29.07	47 (57)	7	6	1	0.5	Norwegian Sea 62.7=>71.0 °N; 5 °W – 15°E, Mackerel survey
2002-5	Midwater trawl	18 – 30.07	21 (33)	0	0	1	*	Norwegian Sea, 69.5 => 62.7°N; 5 °W - 14 °E
TOTAL 2003			218 (280)		917	75		
1990 - 2002			2438		4164	171		
TOTAL 1990 - 2003			2656		5081	246		

(..) total nr of trawl hauls deeper hauls included

* CPUE not calculated, because no smolts were captured

^A Dimensions of trawl opening 10 x 40

^B Dimensions of the Åkra trawl opening 25 x 25 m

^{SS} Cruises dedicated to salmon investigations