

# increasing codend mesh size in a whitefish codend

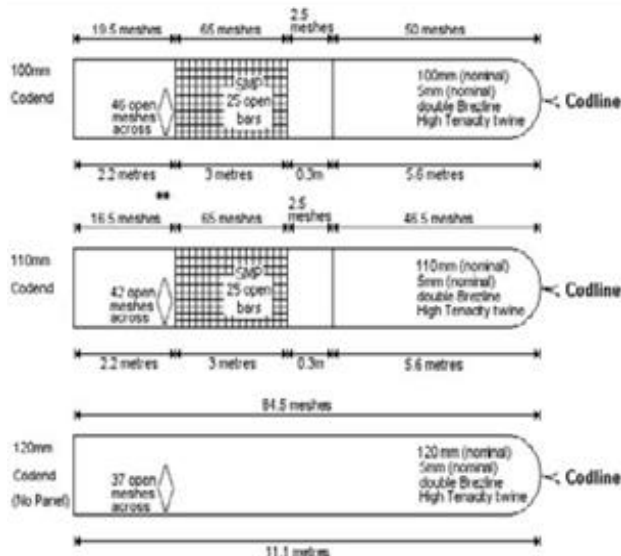
## to reduce the capture of undersized haddock and whiting

### TARGET SPECIES

Haddock and whiting

### AREA, VESSEL

32 pairs of alternate hauls took place East of Shetland (ICES area IVa) on board the Sharyn Louise LK250 (19m, 298kW)



### GEAR MODIFICATION

a 100mm diamond mesh codend fitted with a 90mm SMP is compared with

(i) a 110mm diamond mesh codend with a 90mm SMP and

(ii) a 120mm diamond mesh codend

### FURTHER INFORMATION

Report on Scottish trials assessing the selectivity of trawls and seines. Industry/Science Partnership 2001 – 2002 Vol 1.

grade	under sized	IV	III	II	I
<b>reduction of haddock catches</b>					
110mm codend with 90mm smp	65	~	~	~	~
120mm codend	85	72	~	~	~
<b>reduction of whiting catches</b>					
110mm codend with 90mm smp	~	68	61	~	~
120mm codend	91	87	77	~	~

### RESULTS

- the 110mm cod-end with a 90mm smp and the 120mm cod-end reduced catches of undersized haddock.
- the 120mm cod-end reduced catches of grade IV haddock.
- the 110 cod-end with a 90mm smp and 120mm cod-end also reduced catches of grade IV and grade III whiting.
- the 120mm cod-end had a greater effect than the 110mm cod-end with a 90mm smp.