

RESEARCH VESSEL PROGRAMME

RV CEFAS ENDEAVOUR

Survey: C END 8 - 2019

STAFF:

Name	Role	Cabin	Shift
Andy Lawler	SIC		
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Dave Palmer			
MIST tbc			

DURATION: 16th – 22nd June 2019 (7 days).

LOCATION: English Channel See Stns_pos_2019_inc_e.F (*Figures 1 - 4 below*).

AIMS:

1. To optimise camera configuration and deployment for scallop UWTV survey.
2. To determine size structure of scallop populations at selected sites and compare with video observations.
3. Estimate scallop abundance using UWTV in selected un-dredged areas to compliment data collected as part of the wider scallop stock assessment in the region.

PLAN:

Sail from Falmouth and steam to survey area off Salcombe. Deploy camera system at first site (to be determined). Repeat tows using alternative gear configurations and deployment parameters to optimise ground coverage without compromising image quality. Start grid of deployment positions. Deploy scallop dredges where UWTV indicative of good scallop abundance for comparison work. Proceed to next survey areas as appropriate. Trial alternative camera technologies (depending on gear availability). Return to Lowestoft.

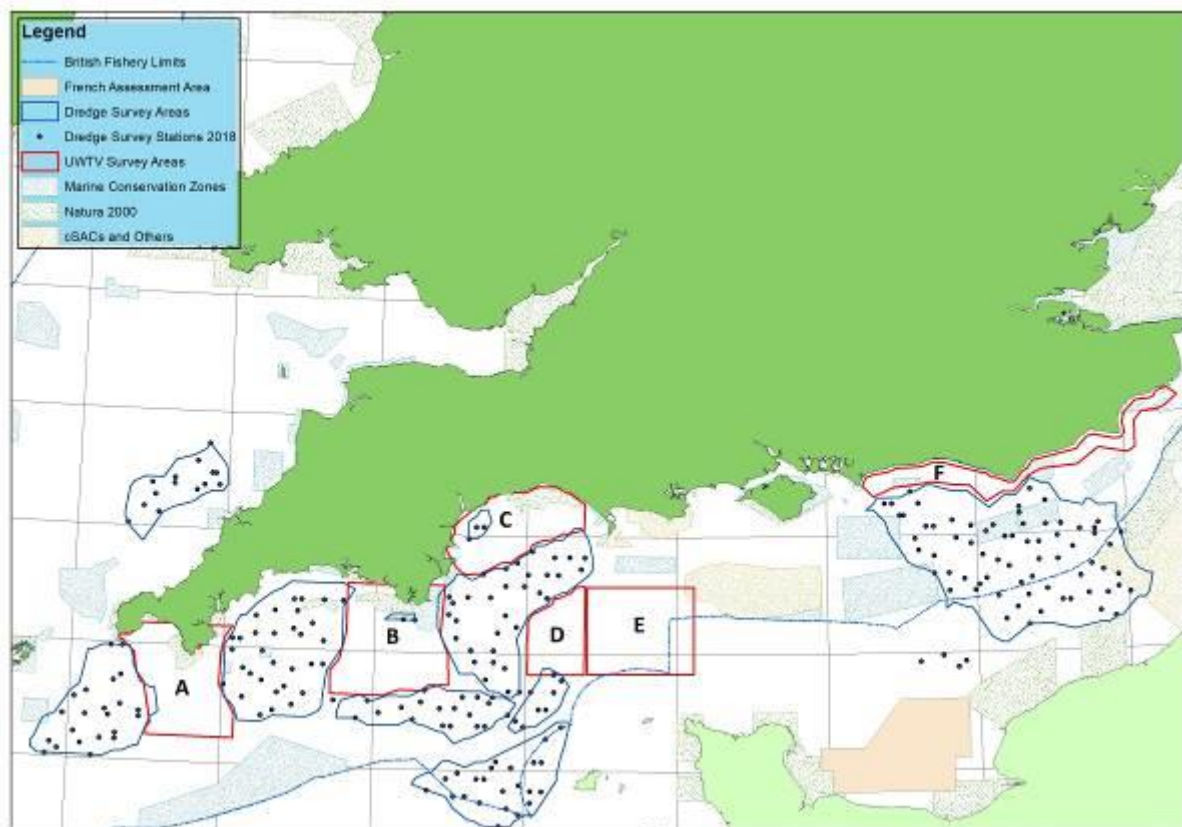


Figure 1. Overview of work area in English Channel – Only areas B, E and F (D reserve option)

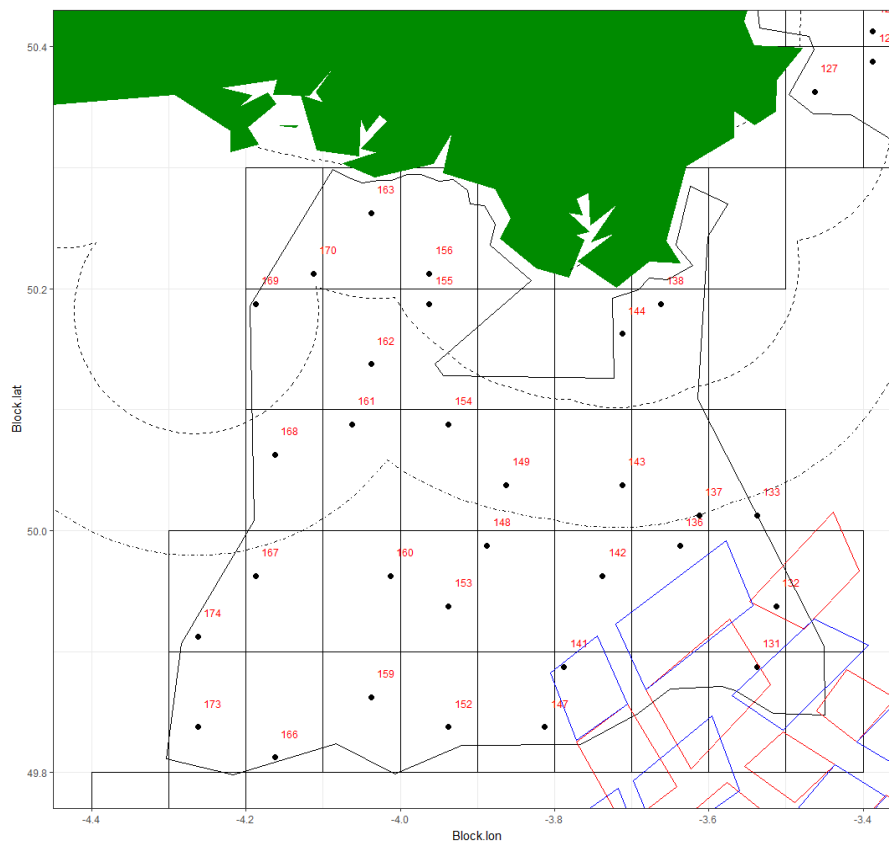


Figure 2. Survey positions off Salcombe

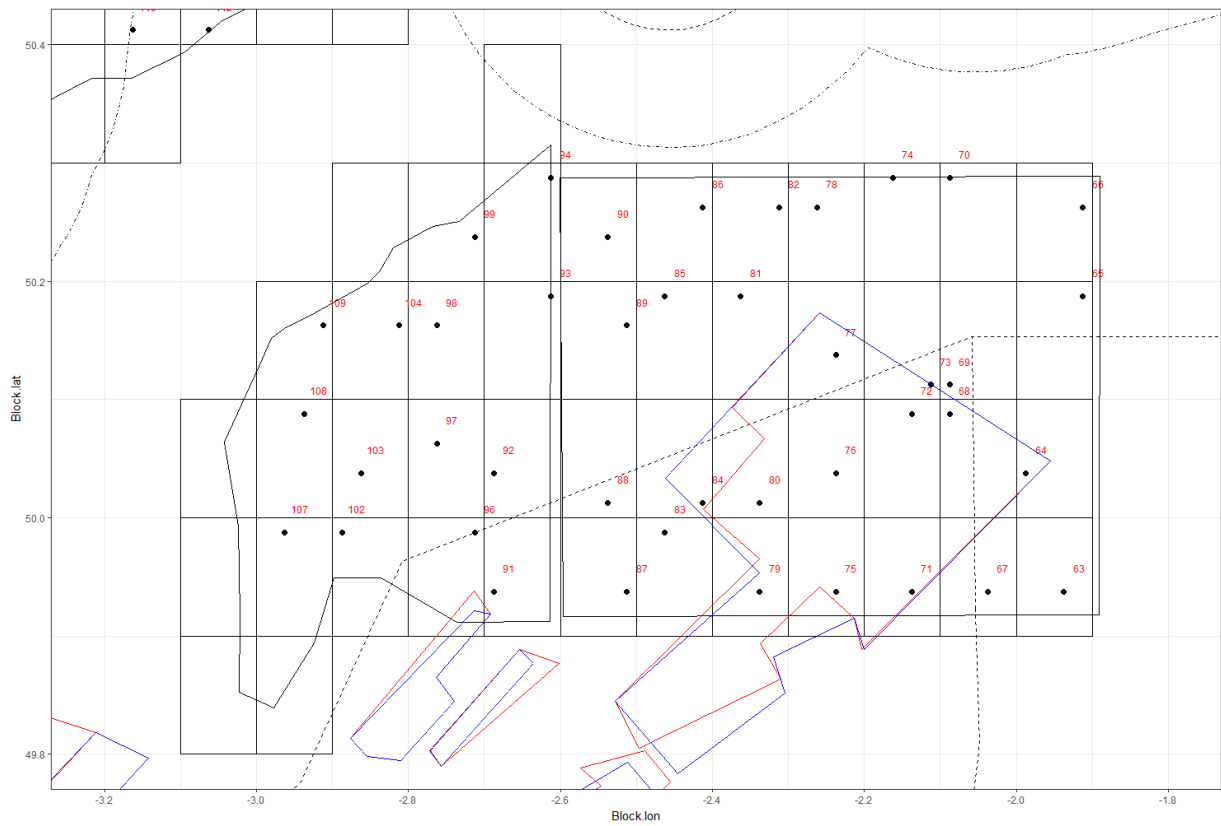


Figure 3. Survey positions mid Channel – Positions in French EEZ to be dropped

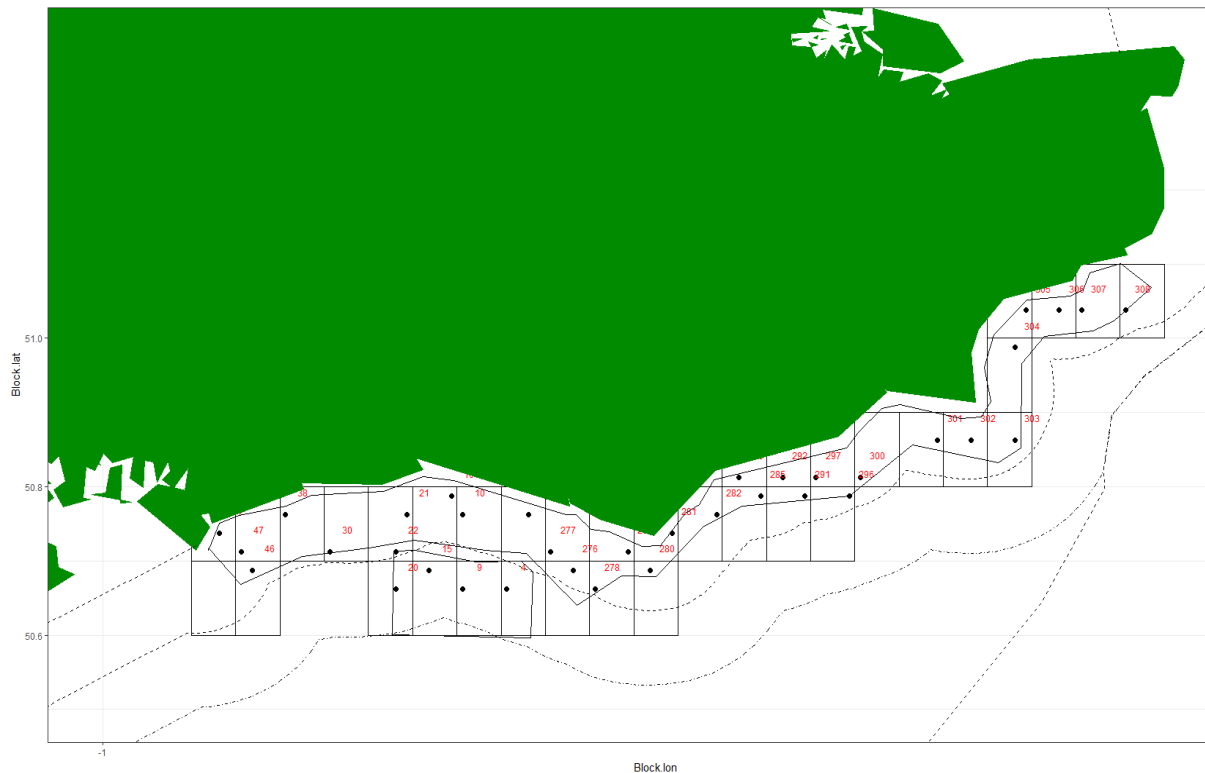


Figure 4. Survey positions off South Coast

GEAR:

STR SeaSpyder drop frame camera system with HD video and stills. Standard Newhaven type spring loaded scallop dredges and modified queenie dredges.

Andy Lawler
Scientist in Charge
7th May 2019

DISTRIBUTION:

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