MINISTRY OF AGRICULTURE, FISHERIES AND FOOD FISHERIES LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND

- machard repair (1.1. vevius of the same of the latter as the 1983 research vessel programme) (1.1. september 1.1. september

REPORT: CHARTERED COMMERCIAL VESSELS AND PUSHNETTING

guillader david i modeler i i ao escar i é u crois discono (PROVISIONAL: Note to be quoted without prior reference to the author) to the train of the the state warging, conficient they not

Contraction of Services Contraction

At the time of

STAFF: The semant of the of the reducery. 11-01

activated .coG.Lowhiting 561 of the continue of the of the

W G Parnell

and reduced a **S P Milligan** in the appropriate of the collection of the collection

TEAM : 3 ( wyor T Watson . ome in bounce of a direct on the section of the control of

Ren Tucker very service of the servi therefore the second of the se

MECTEAN 4 12 10 JOD Riley to the task tender and the second of the Second of

Agesticated in PACIG Brown sense " and the substitute comes wheth had the

The DURATION: and both the first in A. Arcs. In the particle and in the property of the control of the control

LOCALITY:

Berwick - Swanage Bay

## AIMS: and the state of t

- All teams. To carry out the English component to the international young flatfish assessment programme in the North Sea and eastern English Channel. All the first of the system of the system
- Team 1. To carry out comparative fishing trials in the North Thames a rear using a modified 2m beam trawl. The contraction of the contract
- Team 3. To study the distribution of shrimps in the Humber north Per of **Karrfolk**: Coast, with the Roller to Leave the Architic to the Architic to the Architecture of Architecture (Architecture) and Architecture (Architect
- Team 4. To measure the year class strength of Turbot north of 4. Flamboro\* Head. The transfer of the second o

Team 1. Staff travelled to West Marsea on 1 September. Poor weather conditions prevented working up to 5 September. Comparative fishing trials using FV ALVIC were worked 6-8 September. Staff travelled to Mudeford on 9 September and the beam trawl survey started on 10 September in the area Swanage to Selsey Bill and continued without interruption until 14 September using FV AVON VALLEY. Push net sites were also sampled in this period. No work was possible on 15 September. Staff were recalled on instructions from the laboratory and returned to Lowestoft on 16 September.

Messrs Whitingland Milligan travelled to Dungeness on 22 September and completed the beam trawl survey in this area using FV JO's BOYS by 24 September. Push net sites were sampled on 25 September and staff

travelled to Mudeford the same day. The survey in the area Swanage - Selsey Bill was completed using FV AVON VALLEY on 26 September. Staff returned to Lowestoft on 27 September.

- Team 2. Staff travelled to West Mersea on 1 September. Push netsites were sampled until 5 September. The North Thames area was surveyed 6-9 September using FV BREADWINNER in mainly marginal conditions. Push net sites were sampled during 10-12 September and the South Thames area was completed using FV LOUANDRIC in the period 13-15 September. Work was terminated on instructions from the laborators and staff returned to Lowestoft on 16 September.
- Team 3. Staff travelled to Skegness on 31 August. Work started on 1 September using FV CHALLENGE in the area Humber-Wells and was completed by 13 September, often in marginal conditions. Staff travelled to Lowestoft on 14 September. Bad weather prevented work in the area Winterton-Orford until 16 September. FV LE TERRIBLE was used to complete the work in this area by 19 September. One more day was lost in this period to bad weather. Push net sites in Norfolk and Suffolk were sampled 20-23 September and in the Thames area 27-29 September.
- Team 4. Staff travelled to Bridlington on 6 September and Bridlington Bay was surveyed on 7 September using FV NORTH WIND. Push net sites were sampled in the area from Berwick to Spurn Point in the period 8-16 September when staff returned to Lowestoft.

## RESULTS:

- Aim 1. The survey was affected by poor weather conditions throughout, even so the North Sea area was surveyed completely and the eastern English Channel at Dungeness and Swammer Selsey Bill was completed satisfactorily. Unfortunately the area Selsey Bill Rye Bay had to be abandoned. All fish caught were identified and measured.
- Aim 2. 23 comparative hauls were made in the North Thames area using a modified 2m beam trawl.
  - Aim 3. Samples of shrimps were collected from the area Humber North Norfolk coast and worked on at the GibralterPoint field station.
  - Aim 4. 14 push net sites were sampled north of Flamboro' Head to study the 0-group turbot year class assessment for comparison with the returns of sea surface drift indicators released off the north east coast in July and August.

All this data is now this the process of being analysed.

GENERAL Of the variety of the state of the s

I would like to take this opportunity to thank the skippers and crews of all the vessels taking part in this survey, completed of ten in very poor weather conditions, for their friendly help, advice and cooperation.

Distribution left with \_\_\_\_\_\_ DC L Whiting
13 October 1983