

mr S Jones

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

1982 RESEARCH VESSEL PROGRAMME

REPORT: RV CLIONE : CRUISE 14

(PROVISIONAL: Not to be quoted without prior reference to the author)

STAFF:

J A Durance
S R Jones
R D Milliner
R J Chapman

DURATION:

Left Lowestoft 1420 h 25 October
Arrived Lowestoft 1850 h 2 November
All times are Greenwich Mean Time

LOCALITY:

Offshore River Tyne

AIMS:

1. To carry out a water quality survey of the offshore Tyne area from Blyth to Seaham to assess the impact of sewage dumping.
2. To occupy 3 anchor stations close to the dump site and measure water quality and currents over 13 hour periods.
3. To occupy an offshore anchor station in approximately 50 metres of water within the dumping area and to repeat the inshore anchor station.

NARRATIVE:

RV CLIONE sailed from Lowestoft at 1420 h 25 October and steamed north to the Tyne area. The Tyne grid was begun at 0900 h on 26 October and by 2150 h that day the first 20 stations had been completed. The survey was continued at 0714 h the following day and completed by 1605 h. The vessel then proceeded to the inshore Tyne anchor station and anchored for the night.

Measurements at the inshore Tyne anchor station commenced at 0720 h on 28 October, and were completed by 2040 h. During the morning the ship's boat was sent to North Shields to collect some silicate sample bottles from the Tyne Water Authority. The vessel remained at anchor overnight, moving to the offshore Tyne station the following morning to commence measurements at 0720 h. Measurements were completed by 2040 h and the vessel remained at this anchorage overnight. As the weather forecast for 30 October was good and there was plenty of time in hand it was decided to attempt the deep water anchor station rather than the higher priority Souther point station. As forecast the weather presented no problems and the deep water anchor station was completed by 2040 h on 30 October. Although the wind was much stronger for the next two days it was westerly and the Souther point and repeat of the inshore Tyne anchor stations were completed on 31 October and 1 November respectively.

RV CLIONE set course for Lowestoft at 2030 h on 1 November and docked the following evening.

RESULTS:

All aims were completed.

SEEN IN DRAFT:

J R F
R H

INITIALLED:

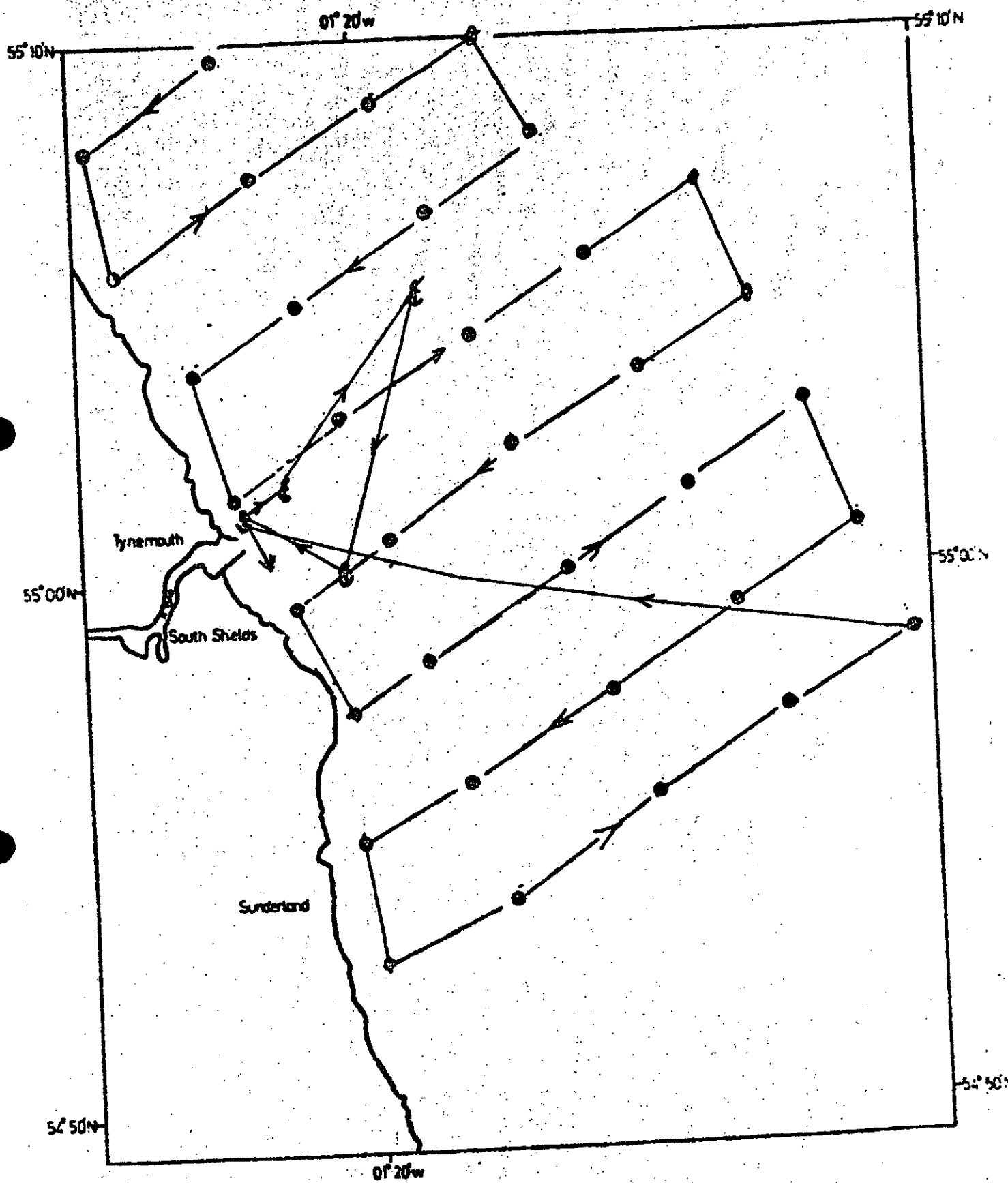
H W H

DISTRIBUTION:

Basic List +

J A Durance
S R Jones
R D Milliner
R J Chapman
A R Folkard

J A Durance
5 November 1982
Scientist in Charge



CLIONE 14 /82