



**LOIS RACS(C) Core Programme
Sea Vigil SV 17
Cruise Report
16th-20th January 1995**

Personnel:

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Monday 16th:

Tuesday 17th:

Wednesday 18th: The party was on board at 0900 and the vessel departed Hull Marina at 0930. The survey commenced at station 17 at 1005 and continued eastwards to station 30 (Spurn Head) at 1334. The westwards survey passed through all stations to Hull and finished at 1556 (station 17). (Stations sampled 17-37,19-17) *Sea Vigil* locked into Hull Marina at 1630.

The profile measured conductivity, temperature, turbidity, pH, dissolved oxygen *etc.* Discrete samples were collected for gravimetric and C/N analysis.

Wednesday 23rd: The survey was from Hull at 0535 (station 16) to Selby (station 40) at 0914 passing stations 16-1 and 38-40. The survey was repeated downstream starting at station 40 at 0914 and completed at station 5 (Goole) at 1030. The *Sea Vigil* locked into Goole Docks at 1100 and was along side at 1115. (Stations sampled 16-1, 38-40, 40-38,1-5)

The profile measured conductivity, temperature, turbidity, pH, dissolved oxygen *etc.* Discrete samples were be collected for gravimetric and C/N analysis.

Between 1115 and 1300 the grab and other equipment was sorted out in readiness for the operations on Friday with PML equipment loaded between 1500 and 1530.

Friday 20th: The scientific group boarded at 0615 and the *Sea Vigil* left Goole Docks at 0650. The survey proceeded downstream with the first sample taken in the Ouse at 0730 the survey continued *via* Trent Falls into the Trent as far as Keadby Bridge.. The route then returned to Trent Falls and passed into the Humber. The profile then went downstream passing Hull, Immingham, Grimsby to Spurn Point. On completion of the survey *Sea Vigil* proceeded to Hull and tied up at the Marina at 1900. During the survey 14 sites were sampled for water, sediment and suspended particles for later determination of organic micropollutants. The surface waters were monitored using the NRAs system for conductivity, temperature, turbidity, pH, dissolved oxygen *etc.* Unloading of equipment and samples was completed at 1930.

Notes: This was the thirteenth LOIS RACS(C) Core Programme survey of the Humber and Ouse and the first that did not include nutrient analysis.

Although an inclement weather forecast led to a curtailed survey on Thursday all stations were sampled at least once during the two profiles. The survey was terminated in Goole. The weather experienced in the dock on Thursday afternoon illustrated the correctness of this decision. This alteration to the programme benefited the work carried out on the Friday as the weather moderated before sampling at the mouth of the Humber.

Due to continuing problems with CASI no overflights occurred during the week.