

VESSEL M.V. SAMUEL BAXTER

CRUISE PERIOD 20 April - 23 April 1979

PERSONNEL T.J. Smith HSO Senior Scientist
E.J. Moore HGCD
P.M. Hooper SO
W.R. Parker PSO)
A.J. Marks SSO) Shore Party

ITINERARY Wednesday 18 April) Travelled to Whitehaven and installed
Thursday 19 April) equipment.
Friday 20 April Vessel sailed from Whitehaven 0500 hrs.
Commenced side-scan sonar survey along
Track 1 (see attached sketch map). Port
channel unserviceable, completed Track 1
1630 hrs. Vessel docked Whitehaven 1730 hrs.
Saturday 21 April Vessel sailed 0600 hrs. Strong swell running
from NW made side-scan sonar survey impossible.
Forecast W-NW 4-5 increasing 6-7 becoming
gale 8 later, so returned to Whitehaven
Vessel docked 0645. Dismantled side-scan
sonar to find fault in port channel. Visited
Trisponder slave sites at Silecroft, Selcar
Point and St. Bees Head.
Sunday 22 April Vessel sailed 0720 hrs. Commenced side-scan
sonar survey along Track 2 using starboard
channel only. Completed Track 2 at 1830 hrs.
Vessel docked Whitehaven 2030 hrs.
Monday 23 April Vessel sailed 0800 hrs. Strong swell running
from N.W. Forecast W-NW 5-6 becoming 7 gale 8
later. Side-scan sonar record marginal so
returned to Whitehaven. Vessel docked at 0900
hrs. Equipment packed and Trisponder slaves
dismantled.
Tuesday 24 April Returned to Taunton.

OBJECTIVES To conduct a preliminary side-scan sonar survey of the NE Irish
Sea in the area north of $54^{\circ}N$ and east of $4^{\circ}W$ in preparation for
a detailed survey in June 1979. To test the DECCA Trisponder
navigation system in this area.

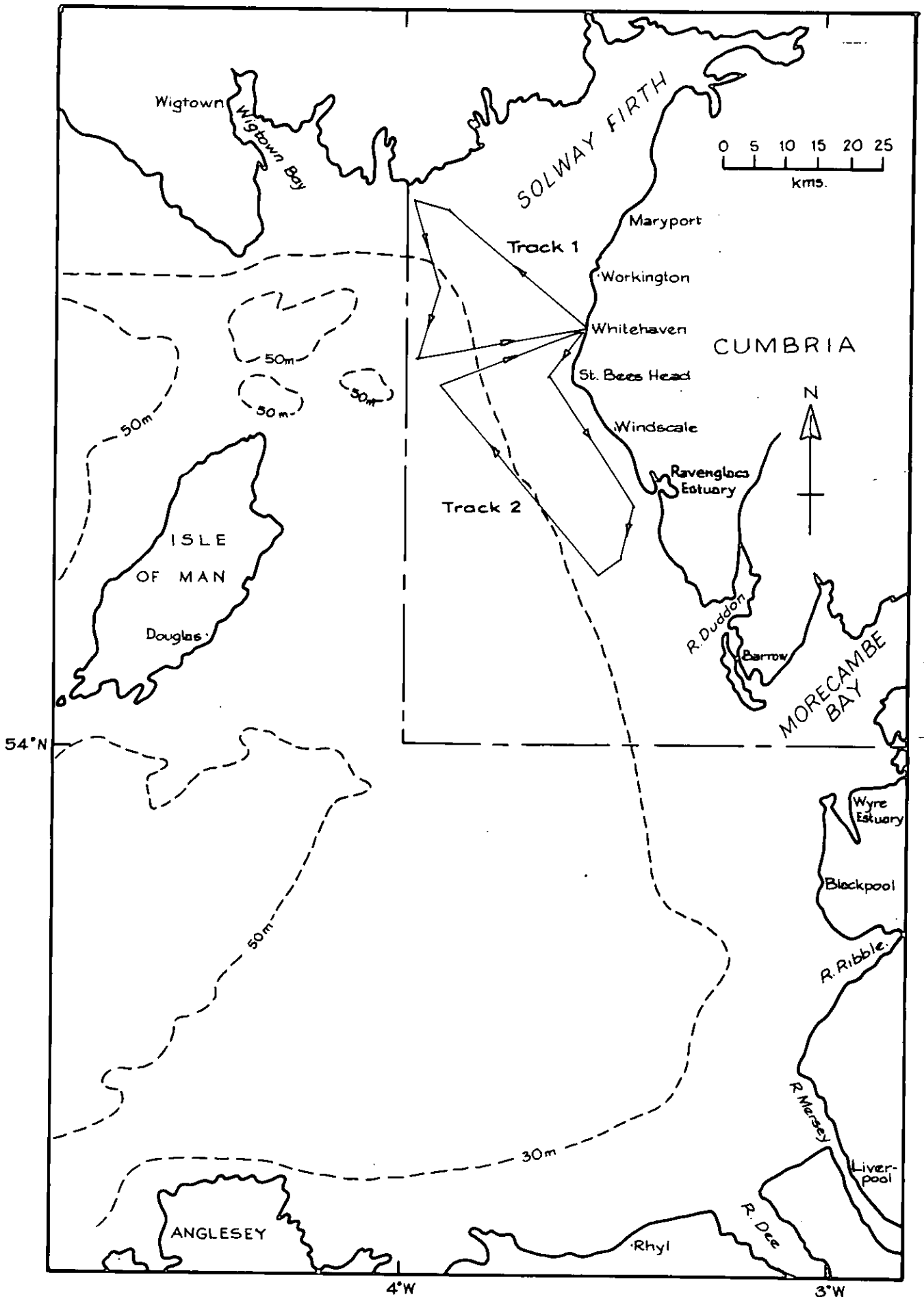
PROCEDURE AND METHODS Continuous EG and G side-scan sonar records along the tracks
shown on the attached sketch map. Trisponder checks were made
at each of the track turning points.

EQUIPMENT PERFORMANCE The port channel of the EG and G side-scan sonar provided by IOS(T)
became unserviceable soon after the start of the survey. This was
traced to a fault in the cable which was unrepairable during the
cruise. Some problems were experienced with the DECCA Trisponder
system which were believed to be due to the positioning of the
slave sites rather than an equipment fault.

PREPARED BY :  (T J SMITH)

APPROVED BY :  (K R DYER)

DATE : 26th February 1980 26 February 1980



Side-scan sonar tracks - April 1979

M.V. Samuel Baxter.