

VESSEL R.R.S. JOHN MURRAY

CRUISE PERIOD 21-22 July 1976

PERSONNEL R.M. Warwick PSO Senior Scientist
A.R.D. Stebbing PSO
C. George ASO

ITINERARY A map of station positions is attached to this programme.

Wednesday July 21 - Travelled to Barry, loaded equipment aboard, sailed for station B 1300. Commenced sampling 1650; work completed 1920. Commenced water sampling stations 2137; completed water sampling stations 2240.

Thursday July 22 - Docked Barry 0200. Filtered sea water samples. Unloaded equipment. Returned to Plymouth.

OBJECTIVES

- To continue a regular sampling programme to estimate the annual production of macrofauna species of a Modiolus community off Ilfracombe (Station B).
- To collect a series of water samples in Swansea Bay (Stations W1-W5) for subsequent bioassay experiments in the laboratory.

PROCEDURE AND METHODS

- The standard set of hauls with Day grab and naturalist's dredge.
- At each station one 40 l and 10 l surface water sample was collected with a submersible pump and filtered through a 0.45µm Millipore filter. An additional 40 l sample was collected at each of stations W1 and W4.

EQUIPMENT PERFORMANCE

All gear performed satisfactorily.

RESULTS

The cruise was purely for sample collection so that results must await future laboratory work.

PREPARED BY: R. M. WARWICK

APPROVED BY: A. R. LONGHURST

DATE: 23/7/76

IMER CRUISE B/6/76.

POSITIONS OF SAMPLING STATIONS

Swansea

W1

x

x
W2

x
W3

x
W4

x
W5

Barry

+B

30'

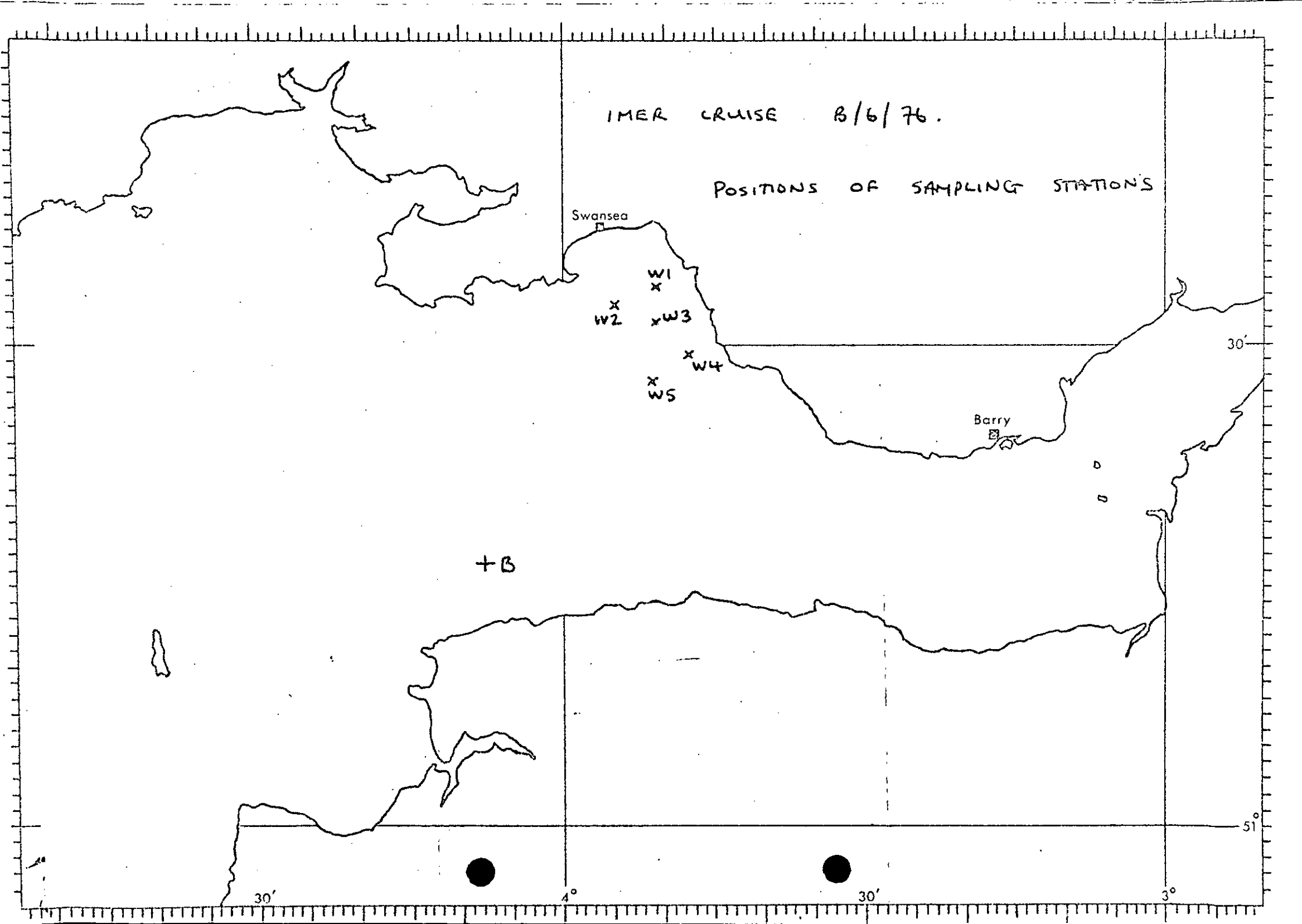
51°

30'

4°

30'

3°



CIRCULATION LIST - BRISTOL CHANNEL

Internal

Glover
Longhurst

Hamilton
Robinson
Fay

File
Notice Board - (Brown)

External

NERC

Foxton

IOS

Mrs Edwards (BODS)
Cartwright (Bidston)
Charnock (Wormley)
Tucker (Taunton)

IGS

Moore

MBA

Denton

SMBA

Currie

MAFF

Lee
Cushing
Wood

DAFS

Parrish

RVB

Stobie - (2)

DOE

Garnett, London

WPC

Eden, Stevenage

Welsh Office

Naylor Firth - (4)

ICI

Pearson

BRISTOL UNIVERSITY

Dineley
Eglinton

UNIVERSITY COLLEGE CARDIFF

Bellamy
Hammond

UWIST CARDIFF

Davies

UNIVERSITY COLLEGE SWANSEA

Banner
Knight-Jones
Nelson-Smith
Brooks
King

UNIVERSITY COLLEGE LONDON

Morris

IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY

Webb

UNIVERSITY OF LIVERPOOL

Abdullah

WATER AUTHORITY

Welsh National
Severn-Trent
Wessex
South West