

# R.V. FRANKLIN

## NATIONAL FACILITY OCEANOGRAPHIC RESEARCH VESSEL

RESEARCH CRUISE PLAN

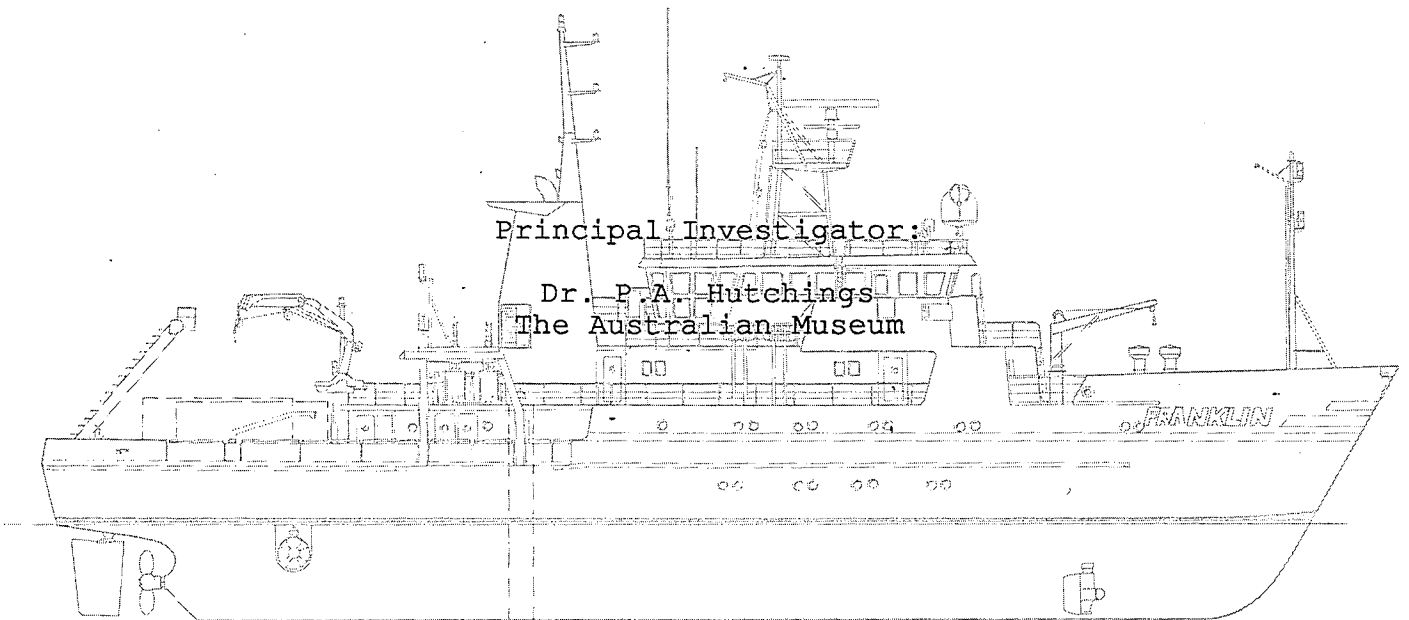
R.V. 'FRANKLIN'

FR 6/88

19 - 26 August, 1988

Principal Investigator:

Dr. P.A. Hutchings  
The Australian Museum



For further information contact  
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R.V. FRANKLIN IS OWNED AND OPERATED BY CSIRO

# RV FRANKLIN

## RESEARCH PLAN RESEARCH CRUISE FR 6/88

### Itinerary

Sail Cairns	0700 hrs	Friday 19 August 1988
Arrive Townsville	1100 hrs	Friday 26 August 1988

### Scientific Program

To sample benthic marine invertebrates from the continental slope off NE Australia from a depth range of 200 - 2500 m.

### Principal Investigator

Dr P.A. Hutchings  
The Australian Museum  
P.O. Box A285  
Sydney South, NSW, 2000

### Cruise Objectives

- To sample benthic marine invertebrates using a variety of equipment along two transects at a variety of depths
- To sieve and sort the bulk of the samples on board and to retain a sub-sample from each haul.

### Cruise Track

The proposed cruise track is as below. Although this will be dependent on weather and bottom profiles, our available data suggest that the terrain is suitable for dredging and sledging.

A northern transect eastward from Yule Entrance (10° 20'S) out to the 2000 m contour at 147°E, south along this meridian to 2500 m and then west to the outer barrier reef again near Second Three Mile Opening (13°S)

Samples will be taken at 200, 400, 600, 800, 1000, 1500, 2000 m on the

northern transect, 2500 and 3000 m on the 147°E meridian leg and 3000, 2500, 1350, and 500 m on the south transect. The nature of the terrain will determine the type(s) of gear used at any station. A permit from the Great Barrier Reef Marine Park Authority has been requested in case bad weather forces us to work closer to the reef within the Great Barrier Reef Marine Park Province.

### Equipment

Use of the deck laboratory is requested  
All collecting equipment will be supplied.

### Time Estimates

Steaming	3 days
Sampling	5 days

### Personnel

Pat Hutchings	Australian Museum	Chief Scientist
Rob Paterson	Australian Museum	
Ian Loch	Australian Museum	
Margie Atkinson	Australian Museum	
Len McKenzie	Queensland Museum	
Jan Peterson	C.S.I.R.O.	Cruise Manager
Phil Adams	C.S.I.R.O.	
Angus McEwan	C.S.I.R.O.	
Bob Edwards	C.S.I.R.O.	
Peter Shaughnessy	Steering Committee	

This research plan is in accordance with the directions of the National Facility Steering Committee for the oceanographic research vessel Franklin.



A.D. McEwan  
CSIRO Division of  
Oceanography

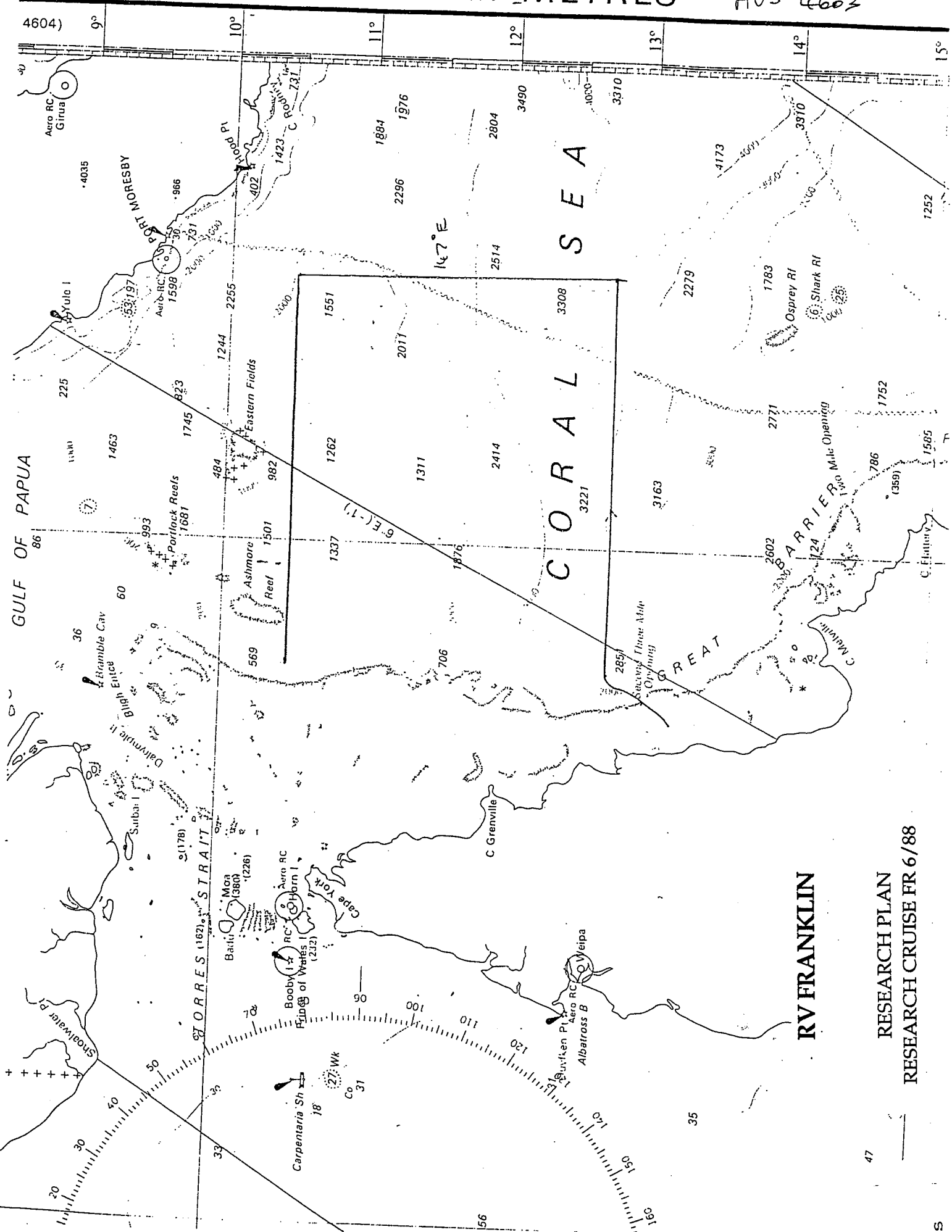


D.H. Green  
National Facility  
Steering Committee

2 June 1988

# DEPTHS IN METRES

AUS 4602



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