

# ***FRANKLIN***

National Facility  
Oceanographic Research Vessel

**Tasmania - coastal, shelf and slope currents.**

**RVFRANKLIN**

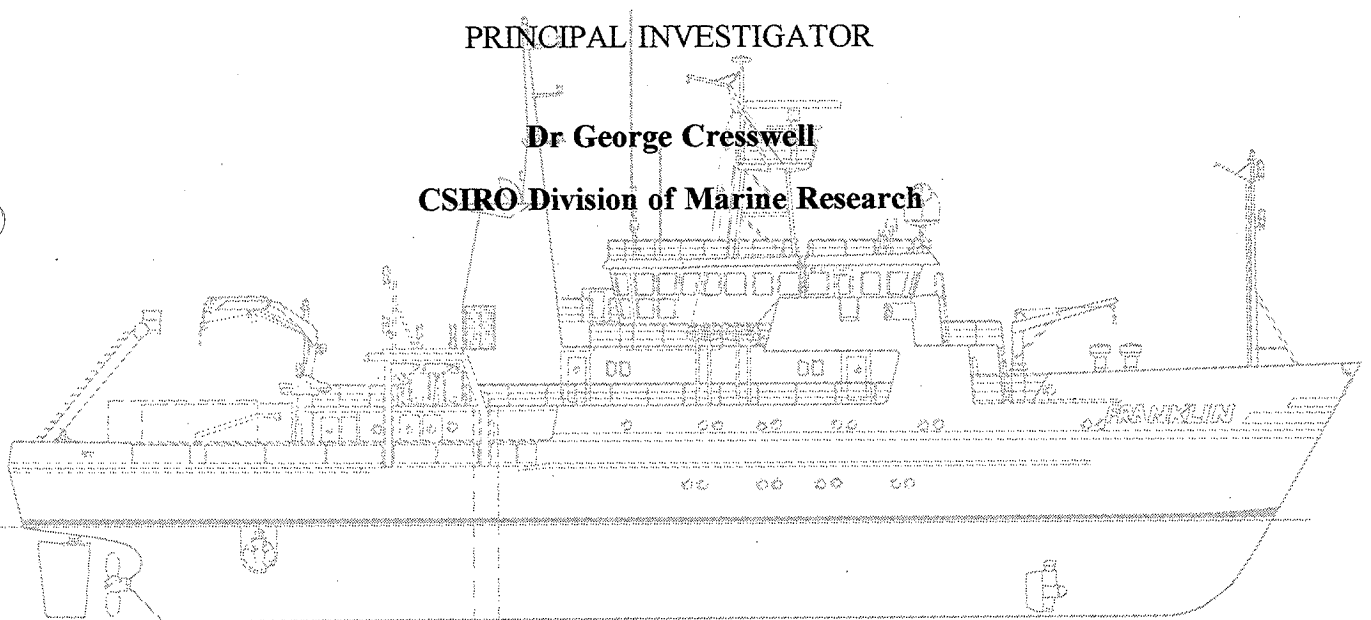
**CRUISE FR 03/97**

Sail: Hobart, TAS 1000 hours Wednesday 19 March, 1997  
Dock: Hobart, TAS 1000 hours Thursday, 27 March, 1997

PRINCIPAL INVESTIGATOR

**Dr George Cresswell**

**CSIRO Division of Marine Research**



For further information contact:

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*FRANKLIN* is owned and operated by CSIRO

**RVFRANKLIN  
RESEARCHPLAN  
CRUISE FR 03/97**

**ITINERARY.**

Dep Hobart 1000h 19 Mar 1997  
Arr Hobart 1000h 27 Mar 1997

**OBJECTIVES.**

To use RV Franklin to study the interplay of coastal, shelf and slope currents around Tasmania, thereby extending the understanding of spatial and temporal patterns that has emerged from satellite drifter and imagery studies.

**PRINCIPAL INVESTIGATOR.**

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**EXPERIMENTAL PLAN.**

Occupy 7 transects from the 30 m isobath near the Tasmania coast out to the 2000 m isobath with 9 CTD stations (with oxygen and fluorescence measurements and samples for S, O and nutrients) on each, as well as ADCP and underway measurements. There are 3 transects on the east and west coasts and one to the south. Surface zooplankton samples will be collected on an opportunistic basis; the aim of which is collect phyllosoma (lobster larvae) for a study on the distribution of these larvae. Two moorings will be installed at the 200 m and 100 m isobaths out from Strahan on the west coast.

**EQUIPMENT**

CTD, ADCP, GPS, Thermosalinograph, Fluorometer (Underway & rosette mounted), Sounders and meteorological sensors. Smith-MacIntyre grab.

**SCIENTIFIC PARTY.**

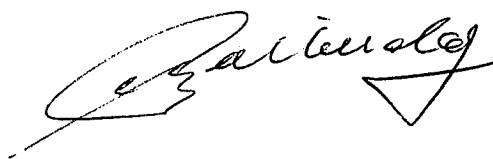
George Cresswell	CSIRO-DMR	Chief Scientist
Dan MacLaughlan	CSIRO-DMR	
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Lindsay Pender	CSIRO-Franklin
Mark Rayner	CSIRO-Franklin
Rebecca Deed	CSIRO-Franklin
David Terhell	CSIRO-Franklin
Jock Young (Reserve)	CSIRO-DMR

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



C B Fandry  
CSIRO Division of Marine Research



G W Paltridge  
National Facility Steering  
Committee

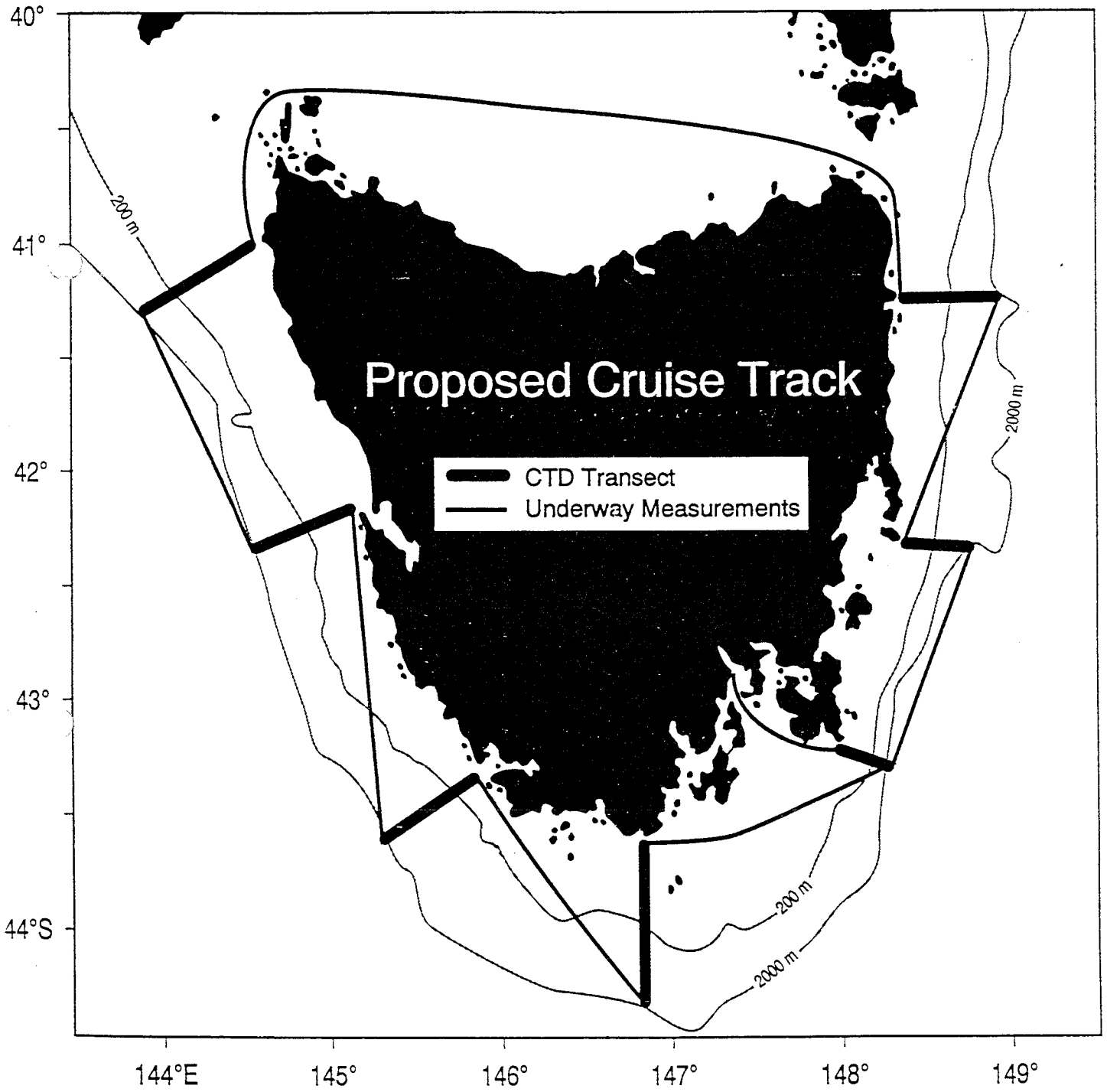


Figure 6 The proposed cruise track and transects.