

R1/3

Not to be cited without prior reference to the Laboratory

RV "Mya"

Charter cruises

Ref H06

REPORT

28 February, 26 April and 22 June 1990

Personnel

P W Balls	SSO (in charge)
R Laslett	PhD Student

Objectives

To undertake chemical surveys of the Tay estuary from Dundee to Perth.

Narrative

Strong winds in the early part of the year caused disruptions to the sampling schedule. The February survey was postponed 3 times before being successfully completed on the 28th, the April survey was completed after 2 postponements on the 26th. The June survey was completed as planned.

Results

Full interpretation awaits the completion of analysis but some results are known. Local sewage related inputs around Dundee are not apparent in the phosphate and ammonia profiles under high river discharge conditions. In summer, however, when river discharge is low a distinct maxima is apparent for these chemical species. Some metals eg lead and manganese also show some enhancement in this area while there is a sag in the dissolved oxygen.

P W Balls
22 August 1990