

R1/6

12CR84

IN CONFIDENCE: Not to be quoted without prior reference to the laboratory

FRV Clupea  
Cruise 12/84

SM

REPORT  
2-8 October 1984

### OBJECTIVES

1. Collection of fish samples on the sludge dumping grounds off Bell Rock and St Abb's Head to meet Joint Monitoring Group requirements.
2. Sediment survey on the above 2 sludge grounds for chemical analysis.

### NARRATIVE

Scientific staff joined 'Clupea', and equipment was loaded at Leith on 2 October. Clupea then sailed and anchored in Largo Bay overnight. On 3 October, a basic sediment sampling programme was completed at the Bell Rock site, and fish, mainly cod and plaice, were collected and processed; on the following day, a similar basic sediment sampling grid was worked at St Abb's Head, fish sampling carried out, and an additional series of grab stations occupied on the dumping ground. Additional grab stations were worked at Bell Rock, and further fish collected on 5 October while on 6 October fish collection, with emphasis on flounders, was undertaken in St Andrews Bay, and a water sample for radio-caesium collected off Arbroath. Scientists left the ship in Buckie on 08/10/84

### RESULTS

Sediment and fish samples for metal determinations and fish for organic micro-contaminant determination await analysis.

Ian M Davies  
08/10/84

seen in draft  
W Smith  
11/10/84