

Library

SW

R1/7

7MR76(b)

In confidence: Not to be quoted without reference to the Laboratory

FRV 'Mara'

14-19 June 1976

Personnel: G Topping PSO  
R Adams SO

Objective

To collect samples of seawater, sediment, sea weed and shellfish from Scapa Flow for analysis of selected heavy metals in order to identify any unusually high levels of cadmium in this system.

Narrative

Mara left Buckie at midnight on 14 June and proceeded to Scapa Bay pier where she lay alongside for the evening of 15 June. During the afternoon of 15 June samples of seawater etc were collected from the NE corner of Scapa Bay. The following three days were spent collecting samples from a number of the main bays within the Scapa Flow (see attached table for details).

These collections were made from a rubber boat which was employed daily for the numerous passages between Mara and the individual bays. On completion of the programme on the afternoon of 18 June Mara proceeded to Kirkwall.

The material collected is being analysed and a detailed report will be issued later.

G Topping  
6 April 1977

DESCRIPTION OF SAMPLES AND SAMPLING SITES

SAMPLING AREA	COCKLES	SEAWATER	SEAWEED	SHORE CRAB	SEDIMENTS	LIMPET	LITTORINA	MUSSEL	DOGWELK
SCAPA BAY		✓	✓		✓				
WAULKMILL BAY		✓	✓	✓	✓	✓	✓	✓	
HOWTON BAY		✓	✓			✓			
SWANBISTER		✓	✓		✓	✓	✓	✓	✓
HUNDA SOUND		✓	✓			✓	✓		
NE OF CAVA		✓	✓	✓		✓	✓		
MILL BAY	✓	✓	✓		✓				
PEGAL BAY	✓	✓	✓	✓	✓				
DAM OF HOXA		✓	✓	✓		✓	✓		
ST MARGARET HOPE BAY		✓	✓	✓		✓	✓	✓	✓
LYRAWA BAY		✓	✓	✓		✓			