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Charter Vessel *Endrick II*

REPORT

Cruise 0895H

15-19 May 1995

Personnel

M R Robertson	HSO	15-19 May (in charge)
C W Shand	HSO	16-18 May
E Armstrong	SO	15-17 May
I D Tuck	Res Asst	15-19 May
F Kennedy	RAAU	15-19 May

Gear

Roxann, Sidescan sonar, TV sledge, Grab, Corer.

Objectives

To carry out surveys of a control and treatment site within upper Loch Gareloch.

Out-turn Days: 5 days CO90

Narrative

After loading gear at Greenock harbour on the morning of 16 May, *Endrick II* sailed for Loch Gareloch at 0930 arriving on station around 1000 hours. Craib cores for PSP and sediment particle size analysis were firstly collected followed by a full Roxann and sidescan sonar survey of the treatment and control sites. *Endrick* then returned to Greenock. On 17 May, after loading, the vessel returned to Loch Gareloch and carried out a TV survey of the treatment site and the southern sector of the control area. The grab survey of the work sites commenced on the morning of 18 May and continued until 1530 hours when further Craib cores were collected from throughout the loch for PSP analysis. The *Endrick* then returned to Greenock where all grabbing and coring gear was offloaded and an Agassiz trawl prepared for use. On the morning of 19 May, *Endrick* again sailed for Loch Gareloch and completed a series of short Agassiz tows within the treatment site. Finally, the vessel sailed for Greenock and offloaded all remaining equipment, work being completed by 1300 hours.

Results

A total of 28 grab samples and four Craib cores were collected from random positions within the experimental areas. These samples will be examined later at the Laboratory. A further four cores were collected from the loch for PSP cyst work. The sidescan sonar was towed along four transects within the disturbed area and along four in the control area. Trawl tracks and general disturbance of the sediment within the treatment site were clearly visible while Roxann indicated that significant differences existed in the sediment characteristics between the two sites. Three hours of TV data from the disturbed area and two hours from within the control site were collected for later analysis. A total of four Agassiz tows were completed however, very low numbers of epifaunal animals were captured and no samples were retained.

M R Robertson
5 June 1995