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CHARTER CRUISE AND FIELD REPORT

RV 'Seol Mara' and Lochs Sunart and Aline

6 - 13 August 1988

Personnel:

R Payne		HSO (in charge)
W Turrell		HSO
R D Adams		SO
P Gillibrand		Student UCNW
D C Moore	(9-13 August)	SSO (T)
M Stewart (Miss)	(9-13 August)	Cas ASO

Objectives:

1. Environmental survey of the upper basin of Loch Sunart.
2. Detailed hydrographic survey of flood tide mixing at the upper sill, Loch Sunart.
3. Investigation of upper basin inundation at Loch Sunart.
4. Chemical survey at, and in, the immediate area of the fish cages at Laudale.
5. Survey of the benthos in Loch Aline.

Narrative:

The full-time staff together with the equipment, caravan and dory arrived at Laudale, Loch Sunart on 6 August. The following day was occupied in setting up the site and testing the electronic equipment and installing these on RV 'Seol Mara' which arrived in the late afternoon. Objectives 2 and 3 occupied 8 and 9 August with both 'Seol Mara' and the dory carrying out CTD, DRCM and reversing water bottle profiles adjacent to, and within the narrows leading to the upper basin. On 10 August 'Seol Mara' carried out a benthos survey in the upper basin, and CTD profiles were also obtained at these sampling positions. The dory continued with the frontal work at the narrows. Objectives 1 and 4 were completed on 11 August, with chemical sampling along the axis of the upper basin and within Laudale fish farm. 'Seol Mara' left for Loch Aline early on 12 August and a benthos survey was carried out there in the afternoon; 'Seol Mara' returned to Oban in the evening. The dory continued with CTD profiles at Loch Sunart working outside the narrows down the outer loch to the Salen region. All personnel and equipment returned to Aberdeen on 13 August 1988.

Results:

Samples and data obtained during the cruise are awaiting analysis.

R Payne

24 August 1988