

R1/7

SMR69
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IN CONFIDENCE:
Not to be quoted without
reference to the Lab.

CRUISE REPORT

FRV "MARA"

7 - 18 July 1969

OBJECTIVE:

1. To ascertain the response of the parachute drogues to the effect of swell on the surface pallet.
2. To investigate residual current flow at the eastern entrance to the Pentland Firth.

NARRATIVE AND RESULTS

The cruise suffered greatly from adverse weather and during the first week work was confined to testing the drogues in the Southern Moray Firth. Although a large south easterly swell persisted throughout the second week 'Mara' was able to proceed to an area North of Wick. Six parachute drogues were released, one being supported from the surface by purse seine floats, the others by 50" pallets. All of the latter were pushed into Sinclair Bay presumably due to the effects of the swell whereas the remaining parachute moved south at about 4Km/day which corresponds with the theoretical Lagrangian water movement for this area.

H D Dooley
30.10.69