

R1/10

In Confidence: Not to be quoted without prior reference to the Laboratory

FRV "Goldseeker"

Cruise 13/85

13GR85 MB

REPORT

18 September - 8 October 1985

Personnel

J Mason	PSO	18-29 September
T R W Howell	HSO	29 September - 8 October
D J Bova	ASO	18-29 September
M L Johnson	ASO	29 September - 8 October

Objectives

- 1) To investigate the spatfall of scallops and queens in the Clyde Sea area and the Sound of Jura.
- 2) To study the composition of scallop and queen stocks in the same areas.

Narrative

After loading in Corpach "Goldseeker" started lifting collectors in the Sound of Jura, Gigha, and South East of Islay. On 25 September "Goldseeker" made for Tarbert (Loch Fyne) via the Crinan Canal. Repairs to the exhaust and waste plumbing delayed operations until 28 September. Work continued in the Clyde until 4 October when "Goldseeker" returned through the Crinan Canal to complete the remaining stations in the Sound of Jura by 7 October. "Goldseeker" was unloaded in Corpach where the scientific staff left the vessel on 8 October.

Results

- 1 Of 84 collector strings put out in June/July 87 were retrieved; 26 out of 50 in the Sound of Jura and 11 out of 32 inside the Clyde. Settlement inside the Clyde showed an increase over 1984 with a mean of 357 scallops and 3107 queens per string of 4 collectors. The corresponding figures for the Sound of Jura were 82 scallops and 208 queens per string.
- 2 A limited number of dredge hauls were made in the 2 main areas. Good catches of scallops were made in the Sound of Jura, but those in the West Clyde were poorer. The percentage composition of these scallops is shown in Table I. Table II, showing the gonad condition, suggested that spawning had recently occurred.

T R W Howell

30 January 1986

Seen in draft

Table I

Percentage of Scallops at each Age Group

Age in Years

	1	2	3	4	5	6	7	8	9	≥10
W Clyde			7%	28%	22%	10%	9%	12%	5%	7%
Sound of Jura		7%	14%	22%	16%	10%	7%	6%	5%	15%

Table II

Percentage of Scallops at each Gonad stage

Gonad Stages

	III	IV	V	VI	VII
W Clyde	41%	20%	7%	7%	26%
Sound of Jura	9%	4%	-	3%	84%