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Scottish Salmon Tagging Data
1963-1966

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The attached table brings the information previously circulated under ICNAF Res. D.c. 67/61 up-to-date and adds the relevant recent information. The information about recaptures is presented in a simplified form, in that this has been separated only into the two categories of (A) recaptures in Greenland and, (B) recaptures in home waters.

The results for the experiments started in 1963 can be regarded as complete and those for the experiments started in 1964 are virtually complete. Some of the recaptures for the experiments started in 1965 should now have been received but those for the experiments started in 1966 should be supplemented, perhaps substantially, during 1968.

During 1963 and 1964, 29,948 smolts were tagged in Scotland and these have produced 1,041 recaptures, 1,025 in home waters and 16 in Greenland. This overall result, however, does not give an accurate estimate of the relationship between Greenland and home water recaptures because (A) the total smolts tagged include some hatchery-reared fish, most of which only return as grilse and, (B) the home water recaptures include grilse as well as older fish. As present evidence indicates that the fish which return to Scottish waters as grilse do not occur (at least in substantial numbers) on the Greenland coast, the figures just quoted require adjustment. A better indication of the relationship, therefore, is that, during 1963 and 1964, 20,196 natural smolts were tagged in Scotland and these produced 422 recaptures of salmon (i.e. two sea-winter fish and older in home waters, nearly two sea-winter fish and older in Greenland) of which 16 were caught in Greenland and 406 in home waters.

The difference between the number of recaptures in Greenland and in home waters is striking, but this result must be accepted very cautiously, largely because of the different conditions obtaining in the Greenland and the home water fishery.

Year Tagged	Site and Date	Age and Mean Size of Fish	Origin	Type of Tag Used	Number Released	Number Recaptured						Total			
						1964 (A)	1964 (B)	1965 (A)	1965 (B)	1966 (A)	1966 (B)		1967 (A)	1967 (B)	
1963	Bran	2+ to 4+ years	Natural	Plastic plate	649	2	13	0	3	0	0	0	0	2	16
	22-30/4	12.7 cm													
	North Esk	2+ years	Hatchery	Blue bead	3000	0	2	0	3	0	0	0	0	0	5
	26-28/3	15.0 cm													
	North Esk	2+ years	Hatchery	Telo. sleeving	2000	0	1	0	1	0	0	0	0	0	2
	2-3/4	14.5 cm													
	North Esk	1+ years	Hatchery	Plastic plate	1750	0	0	0	1	0	0	0	0	0	1
	28-29/5	11.3 cm													
	North Esk	1+ to 4+ years	Natural	Red bead	7647	7	289	0	141	0	19	0	2	7	451
	10-23/5	13.5 cm													
1964	Tunnel	0; 79.5; 19.5; 0.8 ^y	Natural	Plastic plate	2702	1	2	0	1	0	17	0	0	1	20
		13.0 cm													
1964	Bran	2+ to 4+ years	Natural	Plastic plate	180	-	-	2	1	0	1	0	0	2	2
	28/4	None measured													
	North Esk	2+ years	Hatchery	Silver plate	3000	-	-	0	20	0	8	0	2	0	30
	6-8/4	13.5 cm													
	North Esk	1+ to 4+ years	Natural	Silver plate	9020	-	-	3	278	1	208	0	14	4	500
1965	30/4-22/5	13.0 cm													
	Bran	2+ to 4+ years	Natural	Plastic plate	765	-	-	-	-	1	7	0	5	1	12
	1-9/5	None measured													
	North Esk	2+ years	Hatchery	Silver plate	3000	-	-	-	-	0	33	0	0	0	33
	14-20/3	None measured													
North Esk	1+ to 4+ years	Natural	Silver plate	9474	-	-	-	-	7	120	1	120	8	240	
9-29/5	13.5 cm														

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Year Tagged	Site and Date	Age and Mean Size of Fish	Origin	Type of Tag Used	Number Released	1964		1965		1966		1967		Total	
						(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)
1966	Bran	Not analysed	Natural	Plastic plate	334 8 ⁷	-	-	-	-	-	-	11	94	11	94
	20/4-5/5	None measured													
	Catterline Burn	2+ years	Hatchery	Silver plate	4000	-	-	-	-	-	-	0	3	0	3
	14-19/3	13.5 cm													
	North Esk	2+ years	Hatchery	Silver plate	4000	-	-	-	-	-	-	1	50	1	50
	14-19/3	13.5 cm													
	North Esk	1+ to 4+ years	Natural	Silver plate	5783	-	-	-	-	-	-	2	223	2	223
	25/3-30/6	13.5 cm													
	Meig	Not analysed	Natural	Silver plate	5408	-	-	-	-	-	-	4	90	4	90
	20/4-14/6	None measured													
Tay	Not analysed	Natural	Silver plate	134	-	-	-	-	-	-	0	1	0	1	
26/4-23/5	12.7 cm														
Tweed	Not analysed	Natural	Silver plate	734	-	-	-	-	-	-	2	0	2	0	
7-24/5	12.0 cm														

Notes

(A) at Greenland

(B) Home waters

x Mean based on a very small sample of fish tagged

y The figures show the percentage of 1+, 2+, 3+ and 4+ year old fish in the migrating stock, not in the tagged sample