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A Report on the Salmon Scale Samples collected by
the Danish Research Vessel 'Tornak' in 1969

by

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This brief report gives the results of the examination of the scale samples taken from the 146 salmon caught by the 'Tornak' in the Godthåb area in 1969. These fish were caught by gill net in Kigdlut iluat, Qarajat iluat and Praestefjord between 25th August and 7th November.

The age composition of this sample is given in Table 1 and average calculated lengths for each age class in Table 2.

In Tables 3 and 4 the smolt age composition and sea age composition in this sample are compared with those for earlier gill net catches taken in 1965 to 1968, mainly in the Godthåb area.

Table 1 Age Composition, 'Tornak' Catch, 1969

<u>Smolt Age</u>	<u>Numbers of Fish</u>			<u>Overall</u>	<u>Percentage in Sample</u>
	<u>1+</u>	<u>2+</u>	<u>Sea Age Previous Spawners</u>		
1	13	-	1	14	9.6
2	63	2	-	65	44.6
3	33	5	-	38	26.0
4	21	-	1	22	15.1
5	3	-	-	3	2.1
6	2	1	-	3	2.1
?	1	-	-	1	0.7
Overall	136	8	2	146	
Percentage in Sample	93.1	5.5	1.3		

Table 2 Calculated Lengths, 'Tornak' Catch, 1969

<u>Age Group</u>	<u>No. in Sample</u>	<u>Average Observed Length (cm.)^a</u>	<u>Average Calculated Length^a (cm.)</u>								<u>Plus Growth (cm)</u>	
			<u>River Winters</u>					<u>Sea Winters</u>				
			<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>1</u>	<u>2</u>		
<u>Maiden Fish</u>												
1.1+	13	67.1	10.4							52.6		14.5
2.1+	63	66.8	5.1	12.7						51.0		15.8
3.1+	33	63.4	3.6	7.7	12.7					47.3		16.1
4.1+	21	61.3	3.2	6.6	10.1	14.3				45.9		15.4
5.1+	3	61.0	2.5	5.5	8.5	11.5	15.2			42.8		18.2
6.1+	2	57.5	3.0	6.0	8.5	10.2	12.0	14.0		41.5		16.0
? 1+	1	63.0	-	-	-	-	-	-	-	-		-
2.2+	2	74.5	6.0	15.0						43.2	63.0	11.5
3.2+	5	77.6	4.0	7.6	11.7					44.3	66.6	11.0
4.2+	-											
5.2+	-											
6.2+	1	68.0	3.0	6.0	10.0	14.0	19.0	24.0	38.0	51.0		17.0
<u>Previous Spawners</u>												
1.1+SM+	1	77.0										
4.1+SM+	1	64.0										

a Fork Length

Table 3 Percentage Smolt Age Composition, Gill Net Catches, 1965-1969

<u>Year</u>	<u>No. in Sample</u>	<u>Smolt Age</u>							
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>?</u>
1965	797	3.0	49.3	31.5	11.4	3.8	0.8	0.2	0.0
1966	2106	3.4	42.4	41.4	9.0	3.2	0.7	0.0	0.0
1967	1820	3.0	52.5	28.0	11.6	4.0	0.9	0.1	<0.1
1968	461	4.8	44.7	28.2	12.1	9.3	0.2	0.0	0.6
1969	146	9.6	44.6	26.0	15.1	2.1	2.1	0.0	0.7

Table 4 Percentage Sea Age Composition, Gill Net Catches, 1965-1969

<u>Year</u>	<u>No. in Sample</u>	<u>Sea Age</u>			<u>Previous Spawners</u>
		<u>0+</u>	<u>1+</u>	<u>2+</u>	
1965	797	0.0	98.0	0.8	1.2
1966	2106	0.0	98.0	0.9	1.1
1967	1820	0.1	95.5	2.0	2.4
1968	461	0.0	97.0	1.7	1.3
1969	146	0.0	93.1	5.5	1.3