

TABLE 62 LENGTH FREQUENCIES - REDFISH - 4Vn - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
	February			March			May		
MONTH	Canada (Maritimes)								
COUNTRY									
SPECIES OR TYPE									
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500								
25	3	-	3	-	-	-	4	-	4
26	10	-	10	4	-	4	22	-	22
27	27	-	27	13	-	13	27	-	27
28	38	3	41	18	-	18	44	13	57
29	48	3	51	13	-	13	62	9	71
30	93	14	107	80	-	80	106	4	110
31	52	21	73	106	4	110	106	-	106
32	34	17	51	93	9	102	102	27	129
33	41	34	75	155	26	181	53	18	71
34	52	24	76	40	22	62	67	31	98
35	52	17	69	35	102	137	9	22	31
36	28	55	83	-	80	80	18	36	54
37	28	62	90	-	71	71	9	27	36
38	10	82	92	-	40	40	9	31	40
39	3	31	34	-	49	49	4	35	39
40	-	38	38	-	27	27	-	53	53
41	-	7	7	-	13	13	4	22	26
42	-	7	7	-	-	-	-	4	4
43	-	17	17	-	-	-	-	9	9
44	-	21	21	-	-	-	-	9	9
45	-	7	7	-	-	-	-	-	-
46	-	7	7	-	-	-	-	-	-
47	-	7	7	-	-	-	-	4	4
48	-	7	7	-	-	-	-	-	-
Total ‰	519	481	1000	557	443	1000	646	354	1000
Serial Numbers	-	-	170	-	-	171	-	-	172
Number of Samples	-	-	1	-	-	1	-	-	1
Number of Fish Measured	151	140	291	126	100	226	146	80	226
Mean Length (cm)	31.8	37.4	34.5	31.8	36.4	33.8	31.2	36.8	33.2
Mean Weight (kg)	-	-	0.61	-	-	0.56	-	-	0.49
Total Weight Landed (tons)	-	-	54	-	-	1	-	-	223
Estimated Number Landed	-	-	885 ¹	-	-	18 ¹	-	-	4551 ¹
Mesh(mm) or Hook(no.) Size	-	-	4 ²	-	-	4 ²	-	-	4 1/2 ²
Range of Depths (fm)	-	-	140-150	-	-	150	-	-	175-180

¹ Numbers in 100's² inches

TABLE 62
(Cont'd)

LENGTH FREQUENCIES - REDFISH - 4Vn - 1968

(FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings								
CATCHES/LANDINGS	September			September			October		
MONTH	Canada (Maritimes)			France (St. Pierre et Miquelon)					
COUNTRY				NK					
SPECIES OR TYPE									
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500								
22	-	-	-	-	-	1	-	-	-
23	-	-	-	-	-	1	-	-	-
24	-	-	-	-	-	1	-	-	-
25	4	-	4	-	-	1	-	-	1
26	-	-	-	-	-	6	-	-	1
27	4	-	4	-	-	15	-	-	4
28	27	8	35	-	-	32	-	-	9
29	27	4	31	-	-	50	-	-	26
30	50	27	77	-	-	70	-	-	44
31	57	27	84	-	-	73	-	-	50
32	84	46	130	-	-	90	-	-	93
33	77	46	123	-	-	112	-	-	112
34	31	65	96	-	-	120	-	-	116
35	34	73	107	-	-	128	-	-	134
36	31	38	69	-	-	94	-	-	97
37	23	34	57	-	-	54	-	-	66
38	8	42	50	-	-	27	-	-	44
39	11	15	26	-	-	21	-	-	42
40	8	34	42	-	-	25	-	-	43
41	4	27	31	-	-	21	-	-	34
42	-	8	8	-	-	17	-	-	28
43	-	11	11	-	-	12	-	-	21
44	-	15	15	-	-	7	-	-	11
45	-	-	-	-	-	6	-	-	10
46	-	-	-	-	-	5	-	-	2
47	-	-	-	-	-	2	-	-	5
48	-	-	-	-	-	2	-	-	4
49	-	-	-	-	-	3	-	-	2
50	-	-	-	-	-	-	-	-	2
51	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	1	-	-	-
Total 0/00	480	520	1000	-	-	997	-	-	1000
Serial Numbers	-	-	173	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	3	-	-	3
Number of Fish Measured	125	136	261	-	-	2436	-	-	2727
Mean Length (cm)	32.6	35.5	34.2	-	-	-	-	-	-
Mean Weight (kg)	-	-	0.50	-	-	0.59	-	-	0.60
Total Weight Landed (tons)	-	-	156	-	-	-	-	-	-
Estimated Number Landed	-	-	3120 ¹	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 3/4 ²	-	-	4 1/2 ²	-	-	4 1/2 ²
Range of Depths (fm)	-	-	210-220	-	-	190-250	-	-	220-250

¹ Numbers in 100's² inches

TABLE 62
(Cont'd)

LENGTH FREQUENCIES - REDFISH - 4Vn - 1968

(FREQUENCIES IN %/oo - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings			Landings After Discard			Landings					
CATCHES/LANDINGS	November			November			November			December		
MONTH	Canada (M)			Canada (N)			France (St. Pierre et Miquelon)					
COUNTRY	NK											
SPECIES OR TYPE	oo'	99'	Tot.	oo'	99'	Tot.	oo'	99'	Tot.	oo'	99'	Tot.
SEX	151-500											
TONNAGE												
21	-	-	-	-	-	-	-	-	1	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	1
23	-	-	-	-	-	-	-	-	1	-	-	1
24	-	-	-	-	-	-	-	-	4	-	-	1
25	-	-	-	-	-	-	-	-	1	-	-	3
26	-	-	-	2	-	2	-	-	3	-	-	4
27	4	-	4	4	2	6	-	-	6	-	-	7
28	4	4	8	14	10	24	-	-	19	-	-	15
29	15	11	26	17	29	46	-	-	27	-	-	30
30	41	4	45	21	14	35	-	-	51	-	-	52
31	37	15	52	39	23	62	-	-	89	-	-	73
32	52	34	86	43	19	62	-	-	111	-	-	95
33	56	26	82	39	43	82	-	-	106	-	-	119
34	22	52	74	50	52	102	-	-	110	-	-	123
35	26	71	97	37	56	93	-	-	108	-	-	108
36	37	52	89	25	52	77	-	-	95	-	-	90
37	26	34	60	31	43	74	-	-	71	-	-	61
38	41	26	67	29	29	58	-	-	42	-	-	46
39	45	22	67	35	48	83	-	-	30	-	-	31
40	26	11	37	12	31	43	-	-	25	-	-	31
41	19	26	45	6	29	35	-	-	29	-	-	35
42	19	67	86	12	23	35	-	-	23	-	-	24
43	4	15	19	6	12	18	-	-	18	-	-	18
44	4	15	19	-	12	12	-	-	10	-	-	11
45	-	15	15	4	12	16	-	-	6	-	-	4
46	-	11	11	-	17	17	-	-	4	-	-	6
47	-	4	4	-	10	10	-	-	2	-	-	5
48	-	-	-	-	2	2	-	-	4	-	-	2
49	-	7	7	-	-	-	-	-	1	-	-	2
50	-	-	-	-	-	-	-	-	1	-	-	1
51	-	-	-	-	2	2	-	-	1	-	-	1
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	1	-	-	-
Total %/oo	478	522	1000	426	570	996	-	-	1000	-	-	1000
Serial Numbers	-	-	174	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1	-	-	1	-	-	2
Number of Fish Measured	128	140	268	207	276	483	-	-	1720	-	-	3408
Mean Length (cm)	35.1	37.4	36.3	34.58	36.72	35.80	-	-	-	-	-	-
Mean Weight (kg)	-	-	0.69	-	-	0.622	-	-	0.58	-	-	0.58
Total Weight Landed (tons)	-	-	371	-	-	291.1	-	-	-	-	-	-
Estimated Number Landed	-	-	5377 ¹	-	-	468006	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 3/8 ²	-	-	Large	-	-	4 1/2 ²	-	-	4 1/2 ²
Range of Depths (fms)	-	-	-220-225	-	-	-115-240	-	-	-230-260	-	-	-230-260

¹ Number in 100's
² inches

TABLE 63 LENGTH FREQUENCIES - REDFISH - 4Vs - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)		
CATCHES/LANDINGS	Landings		
MONTH	March		
COUNTRY	Canada (Maritimes)		
SPECIES OR TYPE	NK		
SEX	♂	♀	Tot.
TONNAGE	151-500		
27	5	-	5
28	10	-	10
29	15	-	15
30	41	-	41
31	108	15	123
32	123	26	149
33	103	21	124
34	52	41	93
35	36	67	103
36	15	92	107
37	5	92	97
38	-	87	87
39	-	36	36
40	-	10	10
Total ‰	513	487	1000
Serial Numbers	-	-	175
Number of Samples	-	-	1
Number of Fish Measured	100	95	195
Mean Length (cm)	32.2	36.0	34.1
Mean Weight (kg)	-	-	0.57
Total Weight Landed (tons)	-	-	159
Estimated Number Landed	-	-	2789 ¹
Mesh(mm) or Hook(no.) Size	-	-	4 3/4 ²
Range of Depths (fm)	-	-	120-140

¹ Number in 100's² inches

TABLE 64

LENGTH FREQUENCIES - REDFISH - 4V - 1968

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl											
	(Commercial)											
CATCHES/LANDINGS	Landings											
MONTH	February			March			April			May		
COUNTRY	United States											
SPECIES OR TYPE	NK											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	34-440											
25	10	-	10	10	2	12	2	-	2	-	-	-
26	-	-	-	14	2	16	5	-	5	-	20	20
27	80	30	110	20	16	36	7	10	17	10	10	20
28	40	10	50	36	22	58	10	7	17	20	10	30
29	90	40	130	74	20	94	37	10	47	30	20	50
30	120	30	150	78	44	122	57	7	64	60	10	70
31	50	70	120	34	96	130	45	40	85	60	20	80
32	40	110	150	38	94	132	37	52	89	70	70	140
33	10	50	60	38	74	112	40	35	75	90	80	170
34	-	20	20	40	42	82	92	40	132	110	50	160
35	10	10	20	22	18	40	70	22	92	90	10	100
36	10	20	30	20	40	60	32	47	79	50	30	80
37	30	60	90	12	24	36	17	72	89	10	20	30
38	-	40	40	4	36	40	7	67	74	10	20	30
39	-	10	10	2	12	14	-	70	70	-	-	-
40	-	-	-	-	10	10	-	30	30	-	10	10
41	-	10	10	-	6	6	-	20	20	-	10	10
42	-	-	-	-	-	-	-	2	2	-	-	-
43	-	-	-	-	-	-	-	2	2	-	-	-
Total %	490	510	1000	442	558	1000	462	537	1000	610	390	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	1	1	1	5	5	5	4	4	4	1	1	1
Number of Fish Measured	49	51	100	221	279	500	185	215	400	61	39	100
Mean Length (cm)	30.04	32.90	31.50	30.99	32.87	32.04	32.65	35.60	34.24	32.80	33.05	32.90
Mean Weight (kg)	0.43	0.56	0.49	0.47	0.56	0.52	0.54	0.70	0.63	0.55	0.57	0.56
Total Weight Landed (tons)	119	162	281	332	499	831	529	893	1422	309	205	514
Estimated Number Landed	2782 ¹	2896 ¹	5678 ¹	7095 ¹	8957 ¹	16052 ¹	10920 ¹	12691 ¹	23611 ¹	5643 ¹	3608 ¹	9251 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depth (fm)	-	-201-250	-	-	-201-250	-	-	-201-250	-	-	-150-200	-

¹ Numbers in 100's

TABLE 65

LENGTH FREQUENCIES - REDFISH - 4W - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Catches			Landings					
CATCHES/LANDINGS	March			July		August			
MONTH	Poland			United States					
COUNTRY	<i>S. mentella</i>			NK					
SPECIES OR TYPE	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	807			51-440					
TONNAGE									
17	-	-	-	10	-	10	20	10	30
18	-	-	-	10	-	10	40	10	50
19	-	-	-	40	30	70	20	30	50
20	-	-	-	20	10	30	70	10	80
21	-	-	-	50	10	60	90	10	100
22	-	-	-	60	10	70	60	50	110
23	3	-	3	50	10	60	80	60	140
24	3	-	3	70	10	80	80	40	120
25	3	-	3	90	50	140	40	30	70
26	1	1	2	60	50	110	60	20	80
27	9	4	13	70	20	90	10	40	50
28	13	1	14	70	10	80	-	20	20
29	12	4	16	-	20	20	-	40	40
30	12	-	12	10	70	80	-	30	30
31	6	16	22	10	20	30	-	10	10
32	3	75	78	-	20	20	-	-	-
33	-	123	123	-	20	20	-	10	10
34	-	229	229	-	-	-	-	-	-
35	-	235	235	-	-	-	-	-	-
36	-	159	159	-	10	10	-	-	-
37	-	68	68	-	10	10	-	-	-
38	-	19	19	-	-	-	-	-	-
39	-	1	1	-	-	-	-	-	-
Total ‰	65	935	1000	620	380	1000	580	420	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	1	1	1	1	1	1
Number of Fish Measured	44	649	693	62	38	100	58	42	100
Mean Length (cm)	28.3	34.5	34.1	25.16	28.24	26.33	23.07	25.71	24.18
Mean Weight (kg)	-	-	-	0.26	0.37	0.30	0.20	0.28	0.23
Total Weight Landed (tons)	-	-	-	53	47	100	21	22	43
Estimated Number Landed	-	-	-	2066 ¹	1266 ¹	3332 ¹	1675 ¹	1213 ¹	2888 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	64	-	-	64
Range of Depths (fm)	-	-	33-98	-	-	51-101	-	-	51-101

¹ Numbers in 100's

TABLE 66

LENGTH FREQUENCIES - REDFISH - 4X - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl											
	(Commercial)											
CATCHES/LANDINGS	Landings											
MONTH	May			June			July			August		
COUNTRY	Canada (Maritimes)											
SPECIES OR TYPE	NK											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500											
20	-	-	2	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	6	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	1
23	-	-	-	-	-	7	-	-	6	-	-	1
24	-	-	2	-	-	-	-	-	16	-	-	9
25	-	-	4	-	-	4	-	-	13	-	-	7
26	-	-	2	-	-	13	-	-	6	-	-	14
27	-	-	18	-	-	11	-	-	16	-	-	12
28	-	-	22	-	-	27	-	-	23	-	-	21
29	-	-	35	-	-	61	-	-	26	-	-	46
30	-	-	33	-	-	61	-	-	32	-	-	75
31	-	-	44	-	-	65	-	-	58	-	-	88
32	-	-	79	-	-	78	-	-	61	-	-	74
33	-	-	87	-	-	99	-	-	81	-	-	120
34	-	-	94	-	-	79	-	-	103	-	-	106
35	-	-	83	-	-	51	-	-	78	-	-	98
36	-	-	46	-	-	43	-	-	65	-	-	110
37	-	-	50	-	-	36	-	-	42	-	-	56
38	-	-	35	-	-	34	-	-	36	-	-	25
39	-	-	37	-	-	61	-	-	29	-	-	12
40	-	-	100	-	-	74	-	-	58	-	-	12
41	-	-	96	-	-	78	-	-	71	-	-	26
42	-	-	50	-	-	67	-	-	71	-	-	30
43	-	-	44	-	-	40	-	-	65	-	-	29
44	-	-	24	-	-	9	-	-	19	-	-	18
45	-	-	13	-	-	-	-	-	19	-	-	7
46	-	-	-	-	-	2	-	-	-	-	-	1
47	-	-	-	-	-	-	-	-	-	-	-	2
Total ‰	-	-	1000	-	-	1000	-	-	1000	-	-	1000
Serial Numbers	-	-	176	-	-	177	-	-	178	-	-	-179-180
Number of Samples	-	-	1	-	-	1	-	-	1	-	-	2
Number of Fish Measured	-	-	458	-	-	554	-	-	310	-	-	908
Mean Length (cm)	-	-	36.1	-	-	35.2	-	-	35.7	-	-	34.1
Mean Weight (kg)	-	-	0.93	-	-	0.86	-	-	0.88	-	-	0.71
Total Weight Landed (tons)	-	-	72	-	-	128	-	-	94	-	-	472
Estimated Number Landed	-	-	774 ¹	-	-	1488 ¹	-	-	1068 ¹	-	-	6648 ¹
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ²	-	-	4 1/2 ²	-	-	4 1/2 ²	-	-	4 1/2 ²
Range of Depths (fm)	-	-	-220-250	-	-	-210-240	-	-	-200-280	-	-	-200-260

¹ Numbers in 100's² inches

TABLE 67

LENGTH FREQUENCIES - REDFISH - 5Y - 1968

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
	February			March			July		
MONTH	United States								
COUNTRY	NK								
SPECIES OR TYPE	34-440								
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE									
20	15	-	15	-	-	-	-	-	-
21	20	5	25	10	-	10	-	-	-
22	10	5	15	20	-	20	30	-	30
23	40	5	45	30	-	30	10	20	30
24	50	25	75	30	10	40	60	20	80
25	30	20	50	30	20	50	20	30	50
26	65	40	105	30	15	45	50	60	110
27	55	55	110	55	15	70	120	60	180
28	70	75	145	45	15	60	80	40	120
29	40	60	100	55	40	95	130	40	170
30	40	95	135	55	65	120	70	50	120
31	30	65	95	30	55	85	10	20	30
32	-	25	25	15	65	80	10	20	30
33	-	30	30	-	45	45	-	10	10
34	-	15	15	-	35	35	-	20	20
35	-	5	5	-	85	85	-	20	20
36	-	5	5	-	55	55	-	-	-
37	-	5	5	-	40	40	-	-	-
38	-	-	-	-	20	20	-	-	-
39	-	-	-	-	5	5	-	-	-
40	-	-	-	-	10	10	-	-	-
Total %	465	535	1000	405	595	1000	590	410	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	2	2	2	2	2	2	1	1	1
Number of Fish Measured	93	107	200	81	119	200	59	41	100
Mean Length (cm)	26.31	28.97	27.73	27.14	32.46	30.30	27.31	28.34	27.73
Mean Weight (kg)	0.24	0.32	0.28	0.26	0.46	0.38	0.26	0.30	0.28
Total Weight Landed (tons)	194	300	494	248	640	888	113	90	203
Estimated Number Landed	8137 ¹	9362 ¹	17499 ¹	9466 ¹	13908 ¹	23374 ¹	4301 ¹	2989 ¹	7290 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	101-150	-	-	51-101	-	-	101-150

¹ Numbers in 100's

TABLE 68

LENGTH FREQUENCIES - REDFISH - 5Z - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings					
CATCHES/LANDINGS	February			March		
MONTH	United States			NK		
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SPECIES OR TYPE	51-440					
SEX						
TONNAGE						
20	20	10	30	-	-	-
21	40	-	40	-	-	-
22	80	-	80	-	-	-
23	120	50	170	10	10	20
24	80	80	160	50	10	60
25	20	40	60	30	10	40
26	30	40	70	50	10	60
27	40	40	80	150	10	160
28	50	20	70	100	20	120
29	40	20	60	60	50	110
30	20	40	60	80	100	180
31	-	30	30	20	90	110
32	-	30	30	20	70	90
33	-	10	10	-	20	20
34	-	20	20	-	10	10
35	-	-	-	-	-	-
36	-	-	-	-	20	20
37	10	20	30	-	-	-
Total ‰	550	450	1000	570	430	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	1	1	1	1	1	1
Number of Fish Measured	55	45	100	57	43	100
Mean Length (cm)	24.67	27.49	25.94	27.60	30.26	28.74
Mean Weight (kg)	0.20	0.28	0.24	0.27	0.36	0.31
Total Weight Landed (tons)	601	698	1299	371	375	746
Estimated Number Landed	30301 ¹	24791 ¹	55092 ¹	13690 ¹	10328 ¹	24018 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64
Range of Depths (fm)	-	-	101-150	-	-	51-101

¹ Numbers in 100's

TABLE 69

AGE FREQUENCIES - REDFISH - 2J - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Research)					
CATCHES/LANDINGS		Catches					
MONTH		June					
COUNTRY		USSR					
SPECIES OR TYPE		<i>S. mentella</i>					
TONNAGE		3600					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.
1957	11	5	16	21	30.00	32.00	31.50
1956	12	11	32	43	32.00	33.83	33.37
1955	13	38	11	49	34.43	35.00	34.56
1954	14	22	16	38	35.50	36.67	36.00
1953	15	54	59	113	36.70	38.09	37.43
1952	16	48	75	123	38.33	39.64	39.13
1951	17	48	59	107	39.78	40.54	40.20
1950	18	75	86	161	40.07	40.81	40.47
1949	19	86	86	172	41.44	41.62	41.53
1948	20	59	22	81	41.45	42.50	41.73
1947	21	22	16	38	41.75	45.00	43.14
1946	22	27	16	43	43.80	45.00	44.25
1945	23	-	11	11	-	46.50	46.50
Total ‰		495	505	1000			
Serial Numbers		-	-	-			
Number of Samples		-	-	1			
Number of Fish Aged		92	94	186			
Mean Age		17.38	16.98	17.18			
Mean Weight (kg)		-	-	-			
Total Weight Landed (tons)		-	-	118			
Estimated Number Landed		-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	110			
Range of Depths (fm)		-	-	378-422			

TABLE 70

AGE FREQUENCIES - REDFISH - 3K - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Research)					
CATCHES/LANDINGS		Catches					
MONTH		June					
COUNTRY		USSR					
SPECIES OR TYPE		<i>S. mentella</i>					
TONNAGE		3600					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1960	8	-	5	5	-	28.00	28.00
1959	9	-	-	-	-	-	-
1958	10	5	11	16	28.00	29.00	28.67
1957	11	11	26	37	31.50	32.20	32.00
1956	12	26	58	84	33.60	33.82	33.75
1955	13	21	48	69	33.75	35.44	34.92
1954	14	42	74	116	35.62	36.43	36.14
1953	15	69	90	159	37.00	38.00	37.57
1952	16	53	74	127	37.90	38.78	38.42
1951	17	53	53	106	38.80	40.00	39.40
1950	18	48	21	69	40.55	41.25	40.77
1949	19	53	42	95	40.90	41.87	41.33
1948	20	37	11	48	41.43	43.00	41.78
1947	21	11	5	16	42.00	44.00	42.67
1946	22	11	26	37	43.50	44.60	44.29
1945	23	5	11	16	45.00	47.00	46.33
Total ‰		445	555	1000			
Serial Numbers		-	-	-			
Number of Samples		-	-	1			
Number of Fish Aged		84	105	189			
Mean Age		16.45	15.41	15.87			
Mean Weight (kg)		-	-	-			
Total Weight Landed (tons)		-	-	85			
Estimated Number Landed		-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	110			
Range of Depths (fm)		-	-	324-335			

TABLE 71

AGE/LENGTH KEYS AND FREQUENCIES (REDFISH) - 1968

(Available on request from the Secretariat)

In accordance with an recommendation made by the Research and Statistics Committee at their Annual Meeting in 1962 and reaffirmed in 1965, Age/Length Keys and Frequencies will not be published but are to be deposited in the Secretariat and made available to Member Countries on request. The following Age/Length Keys and Frequencies for redfish are now on file in the Secretariat.

GEAR: Otter Trawl

U. S. S. R.

DIVISION	MONTH
2J	June
3K	June

TABLE 72

LENGTH FREQUENCIES - SILVER HAKE - 4W - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial) Catches			
CATCHES/LANDINGS	Catches			
MONTH	July	August	September	October
COUNTRY	USSR			
TONNAGE	501-900 and over 1800			
16	-	-	1	+
18	15	-	8	6
20	47	17	16	28
22	59	50	45	60
24	50	147	132	147
26	95	410	274	250
28	176	183	245	212
30	179	97	177	182
32	124	30	56	60
34	103	27	18	18
36	68	23	15	12
38	47	7	6	10
40	17	7	4	7
42	12	2	1	5
44	7	-	1	2
46	1	-	+	1
48	-	-	-	+
Total ‰	1000	1000	1000	1000
Serial Numbers	-	-	-	-
Number of Samples	4	1	20	8
Number of Fish Measured	1200	300	5820	2420
Mean Length (cm)	30.24	27.50	27.88	27.88
Mean Weight (kg)	0.191	0.155	0.155	0.141
Total Weight Landed (tons)	-	40.0	36.2	965.8
Estimated Number Landed	-	-	-	-
Mesh(mm) or Hook(no.) Size	40	40	40	40
Range of Depths (fm)	80-90	70-80	55-225	70-110

TABLE 73

LENGTH FREQUENCIES - SILVER HAKE - 5Y - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
	May			June			July		
MONTH	United States								
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	0-150								
TONNAGE									
20	-	-	-	3	-	3	-	-	-
22	-	-	-	1	-	1	-	-	-
24	-	-	-	11	1	12	2	-	3
26	-	-	-	6	2	8	6	1	7
28	20	-	20	9	2	11	16	2	18
30	129	-	129	112	17	129	165	6	171
32	297	40	337	226	88	314	331	82	413
34	129	139	268	72	201	273	86	162	248
36	-	129	129	10	163	173	4	99	103
38	-	50	50	1	34	35	-	21	21
40	-	30	30	-	12	12	-	9	9
42	-	10	10	-	5	5	-	2	2
44	-	-	-	-	3	3	-	1	1
46	-	-	-	1	4	5	-	-	-
48	-	-	-	-	3	3	-	1	1
50	-	-	-	-	1	1	-	2	2
52	-	-	-	-	-	-	-	1	1
54	-	-	-	-	4	4	-	1	1
56	-	20	20	-	5	5	-	-	-
58	-	10	10	-	2	2	-	-	-
Total ‰	574	426	1000	452	548	1000	610	390	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	1	1	1	9	9	9	13	13	13
Number of Fish Measured	58	43	101	395	476	871	997	841	1838
Mean Length (cm)	32.36	37.57	34.58	32.00	35.76	34.06	32.07	35.09	33.25
Mean Weight (kg)	0.23	0.40	0.30	0.24	0.34	0.29	0.22	0.29	0.24
Total Weight Landed (tons)	120	154	274	809	1498	2307	4308	3622	7930
Estimated Number Landed	5158 ¹	3824 ¹	8982 ¹	34626 ¹	42062 ¹	76687 ¹	197572 ¹	126487 ¹	324059 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	80-100	-	-	80-105	-	-	20-50

¹ Numbers in 100's

TABLE 73
(Cont'd)

LENGTH FREQUENCIES - SILVER HAKE - 5Y - 1968

(FREQUENCIES IN $\frac{\circ}{\circ\circ}$ - 2 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
MONTH	August			September			October		
COUNTRY	United States								
SEX	$\frac{\circ\circ}{\circ}$	$\frac{\circ\circ}{\circ\circ}$	Tot.	$\frac{\circ\circ}{\circ}$	$\frac{\circ\circ}{\circ\circ}$	Tot.	$\frac{\circ\circ}{\circ}$	$\frac{\circ\circ}{\circ\circ}$	Tot.
FOUNAGE	0-150								
16	2	1	3	-	-	-	-	-	-
18	-	7	7	-	-	-	-	-	-
20	-	7	7	-	-	-	3	3	5
22	2	3	5	-	-	-	-	3	3
24	6	4	10	-	-	-	5	-	5
26	10	2	12	-	-	-	3	-	3
28	13	6	19	12	7	19	11	-	11
30	108	8	116	64	17	81	22	11	33
32	262	62	324	226	43	269	165	24	190
34	94	177	271	135	169	304	176	122	298
36	6	152	158	15	177	192	27	244	271
38	-	29	29	-	80	80	5	108	114
40	-	12	12	-	23	23	-	46	46
42	-	3	3	-	10	10	-	-	-
44	-	8	8	-	5	5	-	-	-
46	-	3	3	-	7	7	-	8	8
48	-	4	4	-	2	2	-	3	3
50	-	2	2	-	3	3	-	3	3
52	-	1	1	-	2	2	-	-	-
54	-	-	-	-	-	-	-	3	3
56	-	3	3	-	2	2	-	-	-
58	-	2	2	-	2	2	-	5	5
Total $\frac{\circ}{\circ\circ}$	503	497	1000	452	548	1000	418	582	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	14	14	14	8	8	8	5	5	5
Number of Fish Measured	655	605	1260	270	333	603	154	215	369
Mean Length (cm)	32.09	35.21	33.64	32.85	36.35	34.77	33.25	36.90	35.38
Mean Weight (kg)	0.20	0.29	0.25	0.20	0.31	0.27	0.24	0.34	0.29
Total Weight Landed (tons)	3277	4569	7846	1575	2668	4243	668	1321	1989
Estimated Number Landed	159430 ¹	157633 ¹	317063 ¹	71415 ¹	86756 ¹	158170 ¹	28482 ¹	39724 ¹	68207 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	20-60	-	-	40-60	-	-	35-60

¹ Numbers in 100's

TABLE 74

LENGTH FREQUENCIES - SILVER HAKE - 5Ze - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl							
	(Commercial)							
CATCHES/LANDINGS	Catches							
MONTH	March	May	June	July	August	September	October	November
COUNTRY	USSR							
TONNAGE	501-900 and over 1800							
16	-	-	-	-	3	1	-	-
18	-	-	-	-	1	4	-	-
20	1	2	-	-	8	13	-	-
22	31	2	-	-	10	19	4	-
24	215	18	8	1	8	15	31	7
26	371	89	149	73	20	23	38	22
28	219	185	300	212	90	93	176	121
30	90	191	240	254	221	171	295	299
32	31	184	152	144	174	179	188	222
34	18	126	78	132	164	133	129	152
36	14	70	41	74	130	115	76	85
38	5	64	16	42	65	92	38	51
40	2	35	8	25	39	64	16	25
42	3	14	4	21	20	34	4	6
44	+	6	2	12	12	20	5	2
46	-	5	1	4	18	13	-	4
48	+	2	1	4	11	6	-	4
50	-	3	+	1	3	3	-	-
52	-	2	+	1	3	1	-	-
54	-	-	-	-	-	1	-	-
56	-	-	-	-	-	+	-	-
58	-	2	-	-	-	-	-	-
Total ‰	1000	1000	1000	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-	-	-	-
Number of Samples	14	2	7	2	5	15	4	4
Number of Fish Measured	2708	626	2191	810	1449	4100	831	1220
Mean Length (cm)	27.34	32.31	30.44	32.22	33.69	33.85	31.71	32.58
Mean Weight (kg)	0.130	-	0.210	0.254	0.216	0.235	0.236	0.248
Total Weight Landed (tons)	4455.3	1762.2	784.0	1065.4	4583.3	4081.7	3083.7	359.6
Estimated Number Landed	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	40	40	40	40	40	40	40	40
Range of Depths (fm)	55-135	55-85	55-85	55-80	30-50	25-40	40-110	40-105

TABLE 75

LENGTH FREQUENCIES - SILVER HAKE - 52w - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl						
	(Commercial)						
CATCHES/LANDINGS	Catches						
MONTH	March	May	June	July	August	September	November
COUNTRY	USSR						
TONNAGE	501-900 and over 1800						
8	4	-	-	-	-	-	-
10	16	-	-	-	-	-	-
12	17	-	-	-	-	-	-
14	6	-	-	-	-	-	-
16	2	-	-	-	-	-	2
18	1	-	-	-	-	-	20
20	5	-	-	-	-	-	33
22	60	6	-	-	-	1	97
24	130	32	7	7	12	23	132
26	169	103	33	13	143	102	165
28	154	217	110	77	280	266	202
30	135	187	164	202	273	254	160
32	95	123	93	200	150	188	82
34	64	75	110	110	37	75	42
36	49	72	130	47	37	17	27
38	41	46	80	197	27	20	8
40	27	63	140	67	7	20	10
42	11	18	90	30	17	17	8
44	7	12	30	20	7	5	-
46	4	20	10	20	-	5	5
48	3	8	3	10	10	3	5
50	+	11	-	-	-	3	2
52	+	2	-	-	-	1	-
54	+	2	-	-	-	-	-
56	-	3	-	-	-	-	-
Total ‰	1000	1000	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-	-	-
Number of Samples	27	2	1	1	1	4	2
Number of Fish Measured	7236	652	300	300	300	1200	401
Mean Length (cm)	29.04	32.62	35.27	34.76	30.74	31.04	28.23
Mean Weight (kg)	0.185	-	0.350	0.310	0.177	0.199	0.150
Total Weight Landed (tons)	1415.8	758.7	294.1	285.1	1749.1	612.3	322.4
Estimated Number Landed	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	40	40	40	40	40	40	40
Range of Depths (fm)	45-155	50-55	40	35	35	30-35	30-35

TABLE 76 LENGTH FREQUENCIES - SILVER HAKE - 5Z - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings					
CATCHES/LANDINGS	June		July			
MONTH						
COUNTRY	United States					
SEX	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-150					
22	-	-	-	9	-	9
24	11	-	11	11	2	13
26	37	1	38	16	7	23
28	43	52	95	23	9	32
30	69	61	130	47	27	74
32	143	55	198	190	87	277
34	51	133	184	145	201	346
36	18	152	170	45	101	146
38	12	102	114	9	40	49
40	4	38	42	-	18	18
42	-	15	15	-	4	4
44	-	4	4	-	1	1
46	-	-	-	-	5	5
48	-	1	1	-	-	-
50	-	-	-	-	-	-
52	-	-	-	-	-	-
54	-	-	-	-	-	-
56	-	-	-	-	2	2
Total ‰	386	614	1000	495	505	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	9	9	9	11	11	11
Number of Fish Measured	300	654	954	238	551	789
Mean Length (cm)	31.61	35.23	33.83	32.63	34.95	33.80
Mean Weight (kg)	0.22	0.30	0.27	0.24	0.30	0.27
Total Weight Landed (tons)	456	1008	1464	1524	1881	3405
Estimated Number Landed	20922 ¹	33305 ¹	54228 ¹	61948 ¹	63260 ¹	125208 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64
Range of Depths (fm)	-	-	15-150	-	-	18-60

¹ Numbers in 100's

TABLE 76
(Cont'd)

LENGTH FREQUENCIES - SILVER HAKE - 52 - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	CATCHES/LANDINGS								
MONTH	August			September			October		
COUNTRY	United States								
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-150								
26	14	-	14	18	1	19	2	4	6
28	9	23	32	82	17	99	32	38	70
30	60	24	84	155	117	272	44	187	231
32	193	69	262	95	134	229	58	171	229
34	69	245	314	12	185	197	22	127	149
36	5	145	150	1	102	103	2	96	98
38	-	85	85	-	54	54	-	82	82
40	-	20	20	-	19	19	2	62	64
42	-	4	4	-	4	4	-	42	42
44	-	7	7	-	3	3	-	24	24
46	-	24	24	-	2	2	-	2	2
48	-	-	-	-	-	-	-	2	2
50	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-
58	-	5	5	-	-	-	-	-	-
Total ‰	350	650	1000	362	638	1000	163	837	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	5	5	5	3	3	3	3	3	3
Number of Fish Measured	90	508	598	137	288	425	81	417	498
Mean Length (cm)	32.26	35.84	34.59	30.52	34.15	32.83	31.51	34.71	34.19
Mean Weight (kg)	0.21	0.31	0.28	0.17	0.26	0.23	0.14	0.29	0.26
Total Weight Landed (tons)	508	1372	1880	94	247	341	15	162	177
Estimated Number Landed	23985 ¹	44464 ¹	68449 ¹	5437 ¹	9562 ¹	14999 ¹	1098 ¹	5654 ¹	6752 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	34-75	-	-	30-70	-	-	18-30

¹ Numbers in 100's

TABLE 77

AGE FREQUENCIES - SILVER HAKE - 4W - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		May						June					
COUNTRY		USSR											
TONNAGE		501-900 and over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1966	2	-	-	-	-	-	-	7	2	9	25.9	20.5	24.7
1965	3	135	14	149	28.6	27.8	28.5	242	42	284	27.8	29.4	28.0
1964	4	458	105	563	30.5	32.0	30.8	254	131	385	30.9	32.4	31.4
1963	5	91	112	203	33.0	34.8	34.0	57	188	245	33.5	35.0	34.6
1962	6	6	71	77	34.5	37.8	37.5	-	75	75	-	37.9	37.9
1961	7	-	8	8	-	39.8	39.8	-	2	2	-	40.5	40.5
Total ‰		690	310	1000				560	440	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	4				-	-	4			
Number of Fish Aged		257	116	373				223	176	399			
Mean Age		3.95	4.86	4.24				3.65	4.68	4.10			
Mean Weight (kg)		-	-	0.180				-	-	0.180			
Total Weight Landed (tons)		-	-	402.6				-	-	103.7			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	55-60				-	-	55-60			

TABLE 77
(Cont'd)

AGE FREQUENCIES - SILVER HAKE - 4W - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		July						August					
COUNTRY		USSR											
TONNAGE		501-900 and over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		80	90	Tot.	80	90	Tot.	80	90	Tot.	80	90	Tot.
1967	1	-	-	-	-	-	-	14	-	14	21.0	-	21.0
1966	2	116	-	116	26.1	-	26.1	359	63	422	25.6	24.6	25.4
1965	3	126	211	337	28.0	29.6	29.0	246	181	427	27.4	29.0	28.1
1964	4	63	168	231	31.2	30.9	30.9	35	46	81	30.5	32.2	31.5
1963	5	53	126	179	33.7	34.7	34.4	3	31	34	34.5	35.8	35.7
1962	6	-	105	105	-	37.3	37.3	-	16	16	-	37.3	37.3
1961	7	-	32	32	-	40.5	40.5	-	6	6	-	41.5	41.5
Total ‰		358	642	1000				657	343	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	1				-	-	3			
Number of Fish Aged		34	61	95				183	98	281			
Mean Age		3.14	4.34	3.92				2.48	3.34	2.77			
Mean Weight (kg)		-	-	0.191				-	-	0.155			
Total Weight Landed (tons)		-	-	-				-	-	40.0			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	80-90				-	-	70-80			

TABLE 77
(Cont'd)

AGE FREQUENCIES - SILVER HAKE - 4W - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		September						October					
COUNTRY		USSR											
TONNAGE		501-900 and over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1967	1	3	-	3	22.5	-	22.5	-	-	-	-	-	-
1966	2	220	37	257	26.1	25.9	26.1	166	10	176	25.9	26.5	25.9
1965	3	226	360	586	28.0	29.4	28.9	252	408	660	27.9	30.0	29.2
1964	4	21	64	85	31.5	31.7	31.7	10	83	93	28.5	32.2	31.8
1963	5	-	34	34	-	35.7	35.7	-	31	31	-	35.2	35.2
1962	6	-	21	21	-	37.2	37.2	-	-	-	-	-	-
1961	7	-	11	11	-	40.0	40.0	-	30	30	-	39.8	39.8
1960	8	-	3	3	-	46.5	46.5	-	10	10	-	42.5	42.5
Total ‰		470	530	1000				428	572	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	4				-	-	1			
Number of Fish Aged		182	204	386				41	55	96			
Mean Age		2.56	3.41	3.01				2.64	3.53	3.15			
Mean Weight (kg)		-	-	0.155				-	-	0.141			
Total Weight Landed (tons)		-	-	36.2				-	-	965.8			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	55-225				-	-	70-110			

TABLE 78

AGE FREQUENCIES - SILVER HAKE - 52e - 1968

(FREQUENCIES IN %/OO)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		May						June					
COUNTRY		USSR											
TONNAGE		501-900 and over 1800											
YEAR-CLASS	AGE	%/oo Frequency			Mean Length			%/oo Frequency			Mean Length		
		88	99	Tot.	88	99	Tot.	88	99	Tot.	88	99	Tot.
1966	2	-	2	2	-	24.5	24.5	2	-	2	24.5	-	24.5
1965	3	188	84	272	27.8	27.6	27.7	291	84	375	28.0	28.6	28.1
1964	4	361	95	456	30.1	31.0	30.3	279	170	449	30.0	31.6	30.6
1963	5	43	121	164	32.7	35.1	34.5	26	116	142	32.8	35.1	34.7
1962	6	-	78	78	-	39.2	39.2	2	22	24	40.5	39.1	39.2
1961	7	-	18	18	-	42.7	42.7	-	4	4	-	42.5	42.5
1960	8	-	4	4	-	44.5	44.5	-	4	4	-	47.5	47.5
1959	9	-	6	6	-	50.5	50.5	-	-	-	-	-	-
Total %/oo		592	408	1000				600	400	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	5				-	-	5			
Number of Fish Aged		289	199	488				299	200	499			
Mean Age		3.76	4.71	4.14				3.56	4.26	3.84			
Mean Weight (kg)		-	-	-				-	-	0.210			
Total Weight Landed (tons)		-	-	1762.2				-	-	784.0			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	55-85				-	-	55-85			

TABLE 78
(Cont'd)

AGE FREQUENCIES - SILVER HAKE - 5Ze - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		July						August					
COUNTRY		USSR											
TONNAGE		501-900 and over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1967	1	-	-	-	-	-	-	10	3	34 ¹	22.5	20.5	20.9
1966	2	-	-	-	-	-	-	13	-	16 ¹	25.0	-	24.5
1965	3	326	60	386	28.5	29.1	28.6	136	157	293	29.0	29.9	29.5
1964	4	278	122	400	30.6	31.6	30.9	201	149	350	31.9	31.9	31.9
1963	5	12	161	173	33.5	35.1	35.0	27	138	165	35.5	37.4	37.1
1962	6	-	37	37	-	40.9	40.9	-	67	67	-	41.7	41.7
1961	7	-	4	4	-	42.5	42.5	-	35	35	-	44.5	44.5
1960	8	-	-	-	-	-	-	-	32	32	-	47.9	47.9
1959	9	-	-	-	-	-	-	-	8	8	-	51.2	51.2
Total ‰		616	384	1000				387	589	1000 ¹			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	5				-	-	4			
Number of Fish Aged		293	183	476				154	236	399 ¹			
Mean Age		3.48	4.49	3.87				3.57	4.64	4.14			
Mean Weight (kg)		-	-	0.254				-	-	0.216			
Total Weight Landed (tons)		-	-	1065.4				-	-	4583.3			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	-			
Range of Depths (fm)		-	-	55-80				-	-	55-80			

¹ Totals include 9 juveniles = 24‰

TABLE 78
(Cont'd)

AGE FREQUENCIES - SILVER HAKE - 52e - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)					
CATCHES/LANDINGS		Catches					
MONTH		September					
COUNTRY		USSR					
TONNAGE		501-900 and over 1800					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.
1967	1	15	-	15	21.8	-	21.8
1966	2	5	3	8	22.5	24.5	23.2
1965	3	167	97	264	29.2	30.5	29.7
1964	4	133	170	303	32.0	33.3	32.7
1963	5	23	241	264	34.7	36.4	36.1
1962	6	-	94	94	-	41.2	41.2
1961	7	-	33	33	-	45.2	45.2
1960	8	-	19	19	-	48.0	48.0
Total ‰		343	657	1000			
Serial Numbers		-	-	-			
Number of Samples		-	-	4			
Number of Fish Aged		137	263	400			
Mean Age		3.42	4.76	4.30			
Mean Weight (kg)		-	-	0.235			
Total Weight Landed (tons)		-	-	4081.7			
Estimated Number Landed		-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40			
Range of Depths (fm)		-	-	25-40			

TABLE 79

AGE FREQUENCIES - SILVER HAKE - 52w - 1968

(FREQUENCIES IN %/oo)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		March					August						
COUNTRY		USSR											
TONNAGE		501-900 and over 1800											
YEAR-CLASS	AGE	%oo Frequency			Mean Length			%oo Frequency			Mean Length		
		80	90	Tot.	80	90	Tot.	80	90	Tot.	80	90	Tot.
1967	1	-	-	145 ¹	-	-	9.7	-	-	-	-	-	-
1966	2	45	27	72	23.7	23.2	23.6	80	10	90	26.5	26.5	26.5
1965	3	184	119	303	26.1	26.0	26.0	420	190	610	28.9	29.4	29.1
1964	4	93	77	170	30.0	28.9	29.5	150	100	250	31.0	32.7	31.6
1963	5	12	80	92	34.5	36.1	35.9	-	20	20	-	37.5	37.5
1962	6	4	143	147	38.5	38.8	38.8	-	20	20	-	40.5	40.5
1961	7	-	63	63	-	44.1	44.1	-	10	10	-	42.5	42.5
1960	8	-	8	8	-	47.5	47.5	-	-	-	-	-	-
Total %oo		338	517	1000 ¹				650	350	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	2				-	-	1			
Number of Fish Aged		96	148	285 ¹				65	35	100			
Mean Age		3.25	4.68	3.72				3.10	3.65	3.30			
Mean Weight (kg)		-	-	0.185				-	-	0.177			
Total Weight Landed (tons)		-	-	1415.8				-	-	1749.1			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	45-155				-	-	35			

¹ Totals include 41 juveniles = 145⁰/oo

TABLE 79
(Cont'd)

AGE FREQUENCIES - SILVER HAKE - 52w - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)					
CATCHES/LANDINGS		Catches					
MONTH		September					
COUNTRY		USSR					
TONNAGE		501-900 and over 1800					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.
1967	1	3	6	9	24.5	23.5	23.9
1966	2	103	3	106	26.1	26.5	26.1
1965	3	292	124	416	28.9	30.1	29.2
1964	4	247	64	311	31.8	32.8	32.0
1963	5	49	64	113	34.4	36.0	35.3
1962	6	3	30	33	34.5	40.5	39.9
1961	7	-	6	6	-	41.5	41.5
1960	8	-	3	3	-	48.5	48.5
1959	9	-	-	-	-	-	-
1958	10	-	3	3	-	52.5	52.5
Total ‰		697	303	1000			
Serial Numbers		-	-	-			
Number of Samples		-	-	3			
Number of Fish Aged		209	91	300			
Mean Age		3.35	4.08	3.57			
Mean Weight (kg)		-	-	0.199			
Total Weight Landed (tons)		-	-	612.3			
Estimated Number Landed		-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40			
Range of Depths (fm)		-	-	30-35			

TABLE 80 AGE/LENGTH KEYS AND FREQUENCIES (SILVER HAKE) - 1968
 (Available on request from the Secretariat)

In accordance with an recommendation made by the Research and Statistics Committee at their Annual Meeting in 1962 and reaffirmed in 1965, Age/Length Keys and Frequencies will not be published but are to be deposited in the Secretariat and made available to Member Countries on request. The following Age/Length Keys and Frequencies for silver hake are now on file in the Secretariat.

GEAR: Otter Trawl

U. S. S. R.

DIVISION	MONTH
4W	May June July August September October
5Ze	May June July August September
5Zw	March August September

TABLE 81

LENGTH FREQUENCIES - AMERICAN PLAICE - 1A - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Prawn Trawl		
CATCHES/LANDINGS	(Research)		
MONTH	NK		
COUNTRY	July		
SEX	♂	♀	Tot.
TONNAGE	<50		
7	-	-	42
8	-	-	116
9	-	-	32
10	-	-	11
11	-	-	11
12	-	-	32
13	-	-	21
14	-	-	42
15	-	-	21
16	-	-	21
17	-	-	11
18	-	-	21
19	-	-	42
20	-	-	21
21	-	-	84
22	-	-	63
23	-	-	53
24	-	-	11
25	-	-	63
26	-	-	32
27	-	-	42
28	-	-	53
29	-	-	11
30	-	-	42
31	-	-	21
32	-	-	11
33	-	-	21
34	-	-	21
35	-	-	-
36	-	-	-
37	-	-	32
Total ‰	-	-	1004
Serial Numbers	-	-	-
Number of Samples	-	-	-
Number of Fish Measured	-	-	95
Mean Length (cm)	-	-	20.2
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-
Range of Depths (fm)	-	-	129-143

TABLE 82

LENGTH FREQUENCIES - AMERICAN PLAICE - IC - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Prawn Trawl		
	(Research)		
CATCHES/LANDINGS	NK		
MONTH	August		
COUNTRY	Denmark (Greenland)		Tot.
SEX	♂	♀	
TONNAGE	<50		
9	-	-	2
10	-	-	2
11	-	-	14
12	-	-	12
13	-	-	10
14	-	-	10
15	-	-	19
16	-	-	26
17	-	-	14
18	-	-	12
19	-	-	26
20	-	-	40
21	-	-	57
22	-	-	43
23	-	-	79
24	-	-	95
25	-	-	69
26	-	-	90
27	-	-	81
28	-	-	48
29	-	-	40
30	-	-	29
31	-	-	19
32	-	-	19
33	-	-	5
34	-	-	17
35	-	-	24
36	-	-	12
37	-	-	17
38	-	-	21
39	-	-	14
40	-	-	19
41	-	-	7
42	-	-	5
43	-	-	2
Total ‰	-	-	999
Serial Numbers	-	-	-
Number of Samples	-	-	420
Number of Fish Measured	-	-	25.5
Mean Length (cm)	-	-	-
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	264-281
Range of Depths (fm)	-	-	-

TABLE 83

LENGTH FREQUENCIES - AMERICAN PLAICE - 2J - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl		
CATCHES/LANDINGS	(Commercial)		
MONTH	Catches		
COUNTRY	October		
SEX	♂	♀	Tot.
TONNAGE	2799		
21	-	-	10.2
22	-	-	12.7
23	-	-	20.4
24	-	-	24.2
25	-	-	38.2
26	-	-	45.8
27	-	-	68.9
28	-	-	61.1
29	-	-	61.1
30	-	-	72.7
31	-	-	49.7
32	-	-	59.9
33	-	-	52.2
34	-	-	47.1
35	-	-	34.4
36	-	-	31.8
37	-	-	24.2
38	-	-	15.3
39	-	-	14.0
40	-	-	14.0
41	-	-	15.3
42	-	-	14.0
43	-	-	11.5
44	-	-	20.4
45	-	-	15.3
46	-	-	15.3
47	-	-	19.1
48	-	-	21.6
49	-	-	25.5
50	-	-	17.8
51	-	-	17.8
52	-	-	10.2
53	-	-	10.2
54	-	-	6.4
55	-	-	5.1
56	-	-	10.2
57	-	-	3.8
58	-	-	1.3
59	-	-	-
60	-	-	-
61	-	-	-
62	-	-	1.3
Total ‰	-	-	1000.0
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	-	-	785
Mean Length (cm)	-	-	34.6
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114
Range of Depths (fm)	-	-	109-164

TABLE 84

LENGTH FREQUENCIES - AMERICAN PLAICE - 3K - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Catches								
MONTH	October			November			December		
COUNTRY	Poland								
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	2799								
20	-	-	9.2	-	-	-	-	-	-
21	-	-	13.1	-	-	-	-	-	2.1
22	-	-	19.6	-	-	1.8	-	-	3.2
23	-	-	22.3	-	-	1.8	-	-	2.1
24	-	-	25.8	-	-	5.0	-	-	3.2
25	-	-	30.8	-	-	3.3	-	-	4.3
26	-	-	32.3	-	-	-	-	-	7.4
27	-	-	48.2	-	-	8.4	-	-	8.5
28	-	-	49.0	-	-	10.1	-	-	18.1
29	-	-	45.9	-	-	11.7	-	-	19.2
30	-	-	47.9	-	-	20.1	-	-	22.4
31	-	-	30.4	-	-	16.8	-	-	18.1
32	-	-	30.8	-	-	33.5	-	-	22.4
33	-	-	43.6	-	-	40.3	-	-	30.9
34	-	-	31.2	-	-	28.5	-	-	28.8
35	-	-	37.7	-	-	21.8	-	-	33.0
36	-	-	29.7	-	-	25.2	-	-	26.6
37	-	-	28.1	-	-	33.5	-	-	38.5
38	-	-	25.4	-	-	33.5	-	-	40.6
39	-	-	22.3	-	-	33.5	-	-	40.6
40	-	-	21.6	-	-	25.2	-	-	33.0
41	-	-	17.3	-	-	35.2	-	-	33.0
42	-	-	18.5	-	-	28.5	-	-	43.8
43	-	-	16.2	-	-	25.2	-	-	39.5
44	-	-	16.2	-	-	43.7	-	-	40.6
45	-	-	18.1	-	-	28.5	-	-	30.9
46	-	-	18.9	-	-	30.2	-	-	34.1
47	-	-	16.9	-	-	35.2	-	-	25.6
48	-	-	20.8	-	-	18.4	-	-	34.2
49	-	-	19.3	-	-	31.9	-	-	37.4
50	-	-	18.9	-	-	35.2	-	-	30.9
51	-	-	18.5	-	-	21.8	-	-	28.8
52	-	-	17.7	-	-	31.9	-	-	27.7
53	-	-	20.4	-	-	42.0	-	-	25.5
54	-	-	24.3	-	-	36.9	-	-	27.7
55	-	-	26.6	-	-	26.8	-	-	22.4
56	-	-	18.9	-	-	21.8	-	-	26.6
57	-	-	15.0	-	-	36.9	-	-	18.1
58	-	-	10.0	-	-	40.3	-	-	20.2
59	-	-	8.8	-	-	25.2	-	-	17.0
60	-	-	8.1	-	-	20.1	-	-	14.9
61	-	-	2.3	-	-	6.7	-	-	7.4
62	-	-	2.3	-	-	8.4	-	-	6.4
63	-	-	1.1	-	-	10.1	-	-	4.3
64	-	-	-	-	-	1.8	-	-	-
65	-	-	-	-	-	3.3	-	-	-
Total ‰	-	-	1000.0	-	-	1000.0	-	-	1000.0
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	4	-	-	1	-	-	1
Number of Fish Measured	-	-	2596	-	-	596	-	-	938
Mean Length (cm)	-	-	37.6	-	-	44.8	-	-	43.3
Mean Weight (kg)	-	-	-	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	153-197	-	-	175	-	-	186

TABLE 85

LENGTH FREQUENCIES - AMERICAN PLAICE - 3L - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings After Discard											
CATCHES/LANDINGS	February			March			April			May		
MONTH	Canada (Newfoundland)											
COUNTRY												
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	501-900											
23	-	-	-	-	-	-	-	-	-	1	-	1
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	3	-	3	2	-	2
29	-	-	-	-	-	-	3	-	3	3	2	5
30	-	-	-	-	-	-	3	2	5	6	1	7
31	-	4	4	-	-	-	2	3	5	9	4	13
32	-	7	7	-	-	-	8	3	11	18	9	27
33	7	7	14	5	-	5	13	2	15	21	8	29
34	11	7	18	-	-	-	11	11	22	29	10	39
35	15	7	22	-	-	-	22	5	27	26	17	43
36	39	11	50	-	-	-	39	16	55	44	17	61
37	31	15	46	14	5	19	20	16	36	29	19	48
38	31	17	48	19	9	28	36	17	53	40	18	58
39	41	22	63	24	9	33	49	13	62	41	19	60
40	39	24	63	38	9	47	50	19	69	42	20	62
41	39	41	80	66	9	75	52	11	63	33	18	51
42	24	24	48	47	9	56	53	17	70	37	23	60
43	41	37	78	47	14	61	66	16	82	27	22	49
44	24	31	55	66	9	75	53	30	83	42	21	63
45	26	24	50	57	33	90	42	19	61	33	23	56
46	17	20	37	33	52	85	42	13	55	21	27	48
47	9	20	29	33	33	66	25	14	39	15	24	39
48	4	22	26	19	52	71	16	11	27	7	18	25
49	2	17	19	-	24	24	11	17	28	8	19	27
50	4	22	26	-	24	24	3	13	16	-	29	29
51	-	20	20	-	33	33	2	17	19	-	18	18
52	-	15	15	-	19	19	-	9	9	-	12	12
53	-	11	11	-	14	14	-	13	13	-	8	8
54	-	17	17	-	38	38	-	11	11	-	18	18
55	-	15	15	-	9	9	-	8	8	-	2	2
56	-	26	26	-	24	24	-	5	5	-	9	9
57	-	24	24	-	14	14	-	8	8	-	9	9
58	-	11	11	-	33	33	-	6	6	-	5	5
59	-	22	22	-	19	19	-	8	8	-	4	4
60	-	17	17	-	5	5	-	6	6	-	5	5
61	-	11	11	-	5	5	-	6	6	-	4	4
62	-	9	9	-	5	5	-	2	2	-	2	2
63	-	4	4	-	9	9	-	6	6	-	5	5
64	-	7	7	-	9	9	-	-	-	-	-	-
65	-	2	2	-	-	-	-	-	-	-	1	1
66	-	-	-	-	-	-	-	-	-	-	1	1
67	-	2	2	-	-	-	-	-	-	-	1	1
68	-	-	-	-	-	-	-	2	2	-	-	-
75	-	2	2	-	-	-	-	-	-	-	-	-
Total ‰	404	594	998	468	527	995	624	377	1001	534	472	1006
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	2	-	-	1	-	-	2	-	-	4
Number of Fish Measured	186	272	458	99	112	211	398	238	636	702	611	1313
Mean Length (cm)	40.403	47.688	44.729	42.768	50.205	46.716	41.123	45.861	42.896	39.395	44.953	41.981
Mean Weight (kg)	-	-	0.958	-	-	1.094	-	-	0.790	-	-	0.717
Total Weight Landed (tons)	-	-	284.4	-	-	592.7	-	-	2511.3	-	-	4305.1
Estimated Number Landed	-	-	296868	-	-	541773	-	-	3178861	-	-	6004324
Mesh(mm) or Hook(no.) Size	-	-	Large	-	-	Large	-	-	4 ¹	-	-	-
Range of Depths (fm)	-	-	-101-125	-	-	120	-	-	48-60	-	-	26-75

1 inches

TABLE 85
(Cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 3L - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings			Landings After Discard			Catches		Landings After Discard			
	June			September			October		November			
	France (St. P&Q)			Canada (N)			Poland		Canada (N)			
CATCHES/LANDINGS	Tot.			Tot.			Tot.		Tot.			
MONTH												
COUNTRY												
SEX												
TONNAGE	151-500			501-900			2799		501-900			
19	-	-	-	-	-	-	-	-	1.0	-	-	-
20	-	-	-	-	-	-	-	-	3.0	-	-	-
21	-	-	-	-	-	-	-	-	7.0	-	-	-
22	-	-	-	-	-	-	-	-	10.0	1	1	2
23	-	-	-	-	-	-	-	-	23.9	-	-	-
24	-	-	1	-	-	-	-	-	16.9	-	-	-
25	-	-	2	-	-	-	-	-	21.9	2	1	3
26	-	-	-	-	-	-	-	-	16.9	-	-	-
27	-	-	6	-	-	-	-	-	37.9	1	1	2
28	-	-	6	-	-	-	-	-	22.9	3	-	3
29	-	-	4	-	-	-	-	-	38.9	2	1	3
30	-	-	7	-	-	-	-	-	51.8	2	2	4
31	-	-	5	7	-	7	-	-	41.9	3	1	4
32	-	-	9	14	-	14	-	-	46.8	10	4	14
33	-	-	8	17	10	27	-	-	41.9	7	5	12
34	-	-	18	14	24	38	-	-	54.9	16	13	29
35	-	-	21	41	24	65	-	-	61.9	24	14	38
36	-	-	23	44	20	64	-	-	44.9	22	16	38
37	-	-	26	34	17	51	-	-	43.9	22	13	35
38	-	-	42	27	30	57	-	-	48.8	21	18	39
39	-	-	42	34	17	51	-	-	48.8	31	17	48
40	-	-	49	30	17	47	-	-	50.8	31	22	53
41	-	-	42	24	20	44	-	-	31.9	31	20	51
42	-	-	63	17	17	34	-	-	33.9	22	24	46
43	-	-	60	30	27	57	-	-	32.9	22	24	46
44	-	-	66	20	14	34	-	-	21.9	20	28	48
45	-	-	66	20	14	34	-	-	19.9	17	20	37
46	-	-	58	37	34	71	-	-	18.9	13	31	44
47	-	-	58	27	30	57	-	-	16.9	12	28	40
48	-	-	51	14	30	44	-	-	13.0	13	33	46
49	-	-	46	20	3	23	-	-	7.0	5	29	34
50	-	-	34	14	17	31	-	-	7.0	3	19	22
51	-	-	31	3	27	30	-	-	8.0	2	28	30
52	-	-	43	10	20	30	-	-	6.0	1	28	29
53	-	-	20	-	10	10	-	-	1.0	-	33	33
54	-	-	17	-	20	20	-	-	4.0	-	29	29
55	-	-	17	-	24	24	-	-	1.0	-	31	31
56	-	-	21	-	14	14	-	-	4.0	-	18	18
57	-	-	11	-	3	3	-	-	2.0	-	22	22
58	-	-	9	-	3	3	-	-	1.0	-	19	19
59	-	-	-	-	3	3	-	-	1.0	-	14	14
60	-	-	2	-	-	-	-	-	2.0	-	13	13
61	-	-	2	-	7	7	-	-	-	-	7	7
62	-	-	4	-	7	7	-	-	-	-	6	6
63	-	-	2	-	-	-	-	-	-	-	5	5
64	-	-	1	-	-	-	-	-	-	-	3	3
65	-	-	1	-	-	-	-	-	-	-	2	2
66	-	-	1	-	-	-	-	-	-	-	2	2
67	-	-	1	-	-	-	-	-	-	-	1	1
68	-	-	1	-	-	-	-	-	-	-	1	1
69	-	-	-	-	-	-	-	-	-	-	1	1
Total ‰	-	-	999	498	503	1001	-	-	1000.0	359	648	1007
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1	-	-	1	-	-	8
Number of Fish Measured	-	-	842	147	149	296	-	-	1003	672	1218	1890
Mean Length (cm)	-	-	-	40.789	45.114	42.966	-	-	36.6	39.853	47.886	45.030
Mean Weight (kg)	-	-	1.07	-	-	0.808	-	-	-	-	-	1.044
Total Weight Landed (tons)	-	-	257	-	-	1850.1	-	-	-	-	-	3012.6
Estimated Number Landed	-	-	-	-	-	-2289728	-	-	-	-	-	-2885632
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	Large	-	-	114	-	-	Large
Range of Depths (fm)	-	-	75-110	-	-	38-120	-	-	82	-	-	25-125

TABLE 86

LENGTH FREQUENCIES - AMERICAN PLAICE - 3N - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
	Landings			Landings After Discard					
	June			September		November			
CATCHES/LANDINGS	France (St. P & Q)			Canada (Newfoundland)					
MONTH									
COUNTRY									
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500			501-900					
25	-	-	3	-	-	-	-	-	-
26	-	-	4	-	-	-	-	-	-
27	-	-	6	-	2	2	-	-	-
28	-	-	6	-	2	2	-	-	-
29	-	-	7	-	-	-	-	-	-
30	-	-	14	-	2	2	-	-	-
31	-	-	22	6	4	10	4	-	4
32	-	-	29	6	11	17	4	-	4
33	-	-	36	9	13	22	15	-	15
34	-	-	58	17	22	39	15	11	26
35	-	-	64	19	4	23	15	4	19
36	-	-	74	31	24	55	23	15	38
37	-	-	70	31	20	51	27	27	54
38	-	-	61	35	24	59	42	27	69
39	-	-	68	37	43	80	38	30	68
40	-	-	63	48	28	76	61	27	88
41	-	-	50	31	26	57	53	15	68
42	-	-	46	28	17	45	49	38	87
43	-	-	40	24	24	48	57	23	80
44	-	-	37	22	22	44	45	23	68
45	-	-	33	24	15	39	15	23	38
46	-	-	30	22	13	35	4	19	23
47	-	-	27	24	28	52	23	11	34
48	-	-	21	-	19	19	15	23	38
49	-	-	21	15	19	34	-	8	8
50	-	-	18	4	26	30	8	15	23
51	-	-	19	2	43	45	-	15	15
52	-	-	12	2	15	17	-	23	23
53	-	-	9	-	13	13	-	27	27
54	-	-	14	4	15	19	-	19	19
55	-	-	12	2	13	15	-	4	4
56	-	-	6	-	7	7	-	11	11
57	-	-	4	-	7	7	-	4	4
58	-	-	4	-	11	11	-	4	4
59	-	-	3	-	7	7	-	8	8
60	-	-	3	-	9	9	-	15	15
61	-	-	2	-	2	2	-	-	-
62	-	-	4	-	2	2	-	4	4
63	-	-	1	-	6	6	-	4	4
64	-	-	-	-	2	2	-	8	8
65	-	-	-	-	-	-	-	4	4
66	-	-	1	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	4	4
69	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-
71	-	-	1	-	-	-	-	-	-
Total ‰	-	-	1000	443	560	1003	513	493	1006
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	2	-	-	1
Number of Fish Measured	-	-	1934	239	301	540	135	129	264
Mean Length (cm)	-	-	-	40.640	44.847	42.985	40.644	46.279	43.397
Mean Weight (kg)	-	-	0.74	-	-	0.881	-	-	0.926
Total Weight Landed (tons)	-	-	78	-	-	774.5	-	-	850.6
Estimated Number Landed	-	-	-	-	-	879115	-	-	918575
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	Large	-	-	-
Range of Depths (fm)	-	-	50	-	-	50-120	-	-	40-160

¹ inches

TABLE 87

LENGTH FREQUENCIES - AMERICAN PLAICE - 30 - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)		
CATCHES/LANDINGS	Landings After Discard		
MONTH	March		
COUNTRY	Canada (Newfoundland)		
SEX	♂	♀	Tot.
TONNAGE	501-900		
34	14	5	19
35	9	9	18
36	14	5	19
37	18	9	27
38	32	9	41
39	32	18	50
40	41	18	59
41	82	32	114
42	91	46	137
43	50	18	68
44	32	27	59
45	32	23	55
46	27	23	50
47	23	18	41
48	32	18	50
49	27	32	59
50	9	32	41
51	5	9	14
52	-	14	14
53	-	9	9
54	-	18	18
55	-	14	14
56	-	5	5
57	-	14	14
58	-	-	-
59	-	5	5
Total ‰	570	430	1000
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	125	94	219
Mean Length (cm)	42.344	45.830	43.840
Mean Weight (kg)	-	-	1.085
Total Weight Landed (tons)	-	-	103.8
Estimated Number Landed	-	-	95668
Mesh(mm) or Hook(no.) Size	-	-	-
Range of Depths (fm)	-	-	63

TABLE 88

LENGTH FREQUENCIES - AMERICAN PLAICE - 3Ps - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
MONTH	October			November			December		
COUNTRY	France (St. Pierre et Miquelon)								
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500								
19	-	-	1	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	1
21	-	-	-	-	-	-	-	-	1
22	-	-	-	-	-	-	-	-	2
23	-	-	1	-	-	-	-	-	3
24	-	-	-	-	-	2	-	-	4
25	-	-	15	-	-	1	-	-	4
26	-	-	12	-	-	3	-	-	4
27	-	-	10	-	-	5	-	-	7
28	-	-	18	-	-	5	-	-	5
29	-	-	15	-	-	4	-	-	8
30	-	-	18	-	-	10	-	-	12
31	-	-	30	-	-	10	-	-	21
32	-	-	35	-	-	11	-	-	33
33	-	-	35	-	-	24	-	-	53
34	-	-	47	-	-	27	-	-	54
35	-	-	62	-	-	27	-	-	68
36	-	-	41	-	-	30	-	-	65
37	-	-	50	-	-	29	-	-	60
38	-	-	45	-	-	37	-	-	65
39	-	-	63	-	-	38	-	-	51
40	-	-	60	-	-	41	-	-	53
41	-	-	56	-	-	45	-	-	48
42	-	-	33	-	-	51	-	-	28
43	-	-	35	-	-	52	-	-	29
44	-	-	47	-	-	49	-	-	40
45	-	-	42	-	-	63	-	-	36
46	-	-	41	-	-	50	-	-	35
47	-	-	32	-	-	45	-	-	30
48	-	-	10	-	-	36	-	-	29
49	-	-	16	-	-	46	-	-	21
50	-	-	24	-	-	42	-	-	21
51	-	-	13	-	-	40	-	-	16
52	-	-	19	-	-	26	-	-	15
53	-	-	18	-	-	21	-	-	11
54	-	-	7	-	-	18	-	-	11
55	-	-	12	-	-	20	-	-	8
56	-	-	12	-	-	16	-	-	6
57	-	-	7	-	-	13	-	-	6
58	-	-	3	-	-	13	-	-	8
59	-	-	3	-	-	10	-	-	5
60	-	-	-	-	-	10	-	-	5
61	-	-	3	-	-	9	-	-	3
62	-	-	1	-	-	8	-	-	3
63	-	-	-	-	-	4	-	-	2
64	-	-	-	-	-	3	-	-	2
65	-	-	-	-	-	3	-	-	-
66	-	-	1	-	-	1	-	-	2
67	-	-	1	-	-	1	-	-	2
68	-	-	-	-	-	2	-	-	1
69	-	-	1	-	-	1	-	-	-
70	-	-	-	-	-	1	-	-	-
Total ‰	-	-	1000	-	-	1003	-	-	997
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	2	-	-	3
Number of Fish Measured	-	-	668	-	-	2600	-	-	3602
Mean Length (cm)	-	-	-	-	-	-	-	-	-
Mean Weight (kg)	-	-	0.74	-	-	0.99	-	-	0.73
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	4 1/2 ¹	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	35-50	-	-	80-150	-	-	70-150

¹ inches

TABLE 88 LENGTH FREQUENCIES - AMERICAN PLAICE - 3Pa - 1968
(Cont'd)

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	NK			Tot.
	(Research)			
CATCHES/LANDINGS	Catches			
MONTH	February			
COUNTRY	Poland			
SEX	♂	♀		
TONNAGE	807			
12	-	-	-	1
13	-	-	-	-
14	-	-	-	1
15	-	-	-	-
16	-	-	-	2
17	-	-	-	4
18	-	-	-	2
19	-	-	-	9
20	-	-	-	7
21	-	-	-	14
22	-	-	-	27
23	-	-	-	32
24	-	-	-	53
25	-	-	-	42
26	-	-	-	109
27	-	-	-	50
28	-	-	-	47
29	-	-	-	84
30	-	-	-	90
31	-	-	-	81
32	-	-	-	81
33	-	-	-	67
34	-	-	-	52
35	-	-	-	39
36	-	-	-	55
37	-	-	-	23
38	-	-	-	20
39	-	-	-	12
40	-	-	-	13
41	-	-	-	12
42	-	-	-	4
43	-	-	-	4
44	-	-	-	1
45	-	-	-	1
46	-	-	-	2
47	-	-	-	2
48	-	-	-	2
49	-	-	-	1
50	-	-	-	1
51	-	-	-	-
52	-	-	-	1
53	-	-	-	-
54	-	-	-	-
55	-	-	-	1
Total ‰	-	-	-	1000
Serial Numbers	-	-	-	-
Number of Samples	-	-	-	2
Number of Fish Measured	-	-	-	904
Mean Length (cm)	-	-	-	39.4
Mean Weight (kg)	-	-	-	-
Total Weight Landed (tons)	-	-	-	-
Estimated Number Landed	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-	114
Range of Depths (fm)	-	-	-	60-77

TABLE 89

LENGTH FREQUENCIES - AMERICAN PLAICE - 4Vn - 1968

(FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	Danish Seine (Commercial)		
CATCHES/LANDINGS	Landings		
MONTH	May		
COUNTRY	Canada (Maritimes)		
SEX	00	01	Tot.
TONNAGE	26-50		
34	20	-	20
35	15	-	15
36	55	-	55
37	70	-	70
38	85	5	90
39	90	35	125
40	55	40	95
41	25	25	50
42	15	40	55
43	15	15	30
44	-	25	25
45	15	20	35
46	-	30	30
47	5	20	25
48	5	25	30
49	-	25	25
50	-	20	20
51	-	5	5
52	-	30	30
53	-	25	25
54	-	25	25
55	-	15	15
56	-	20	20
57	-	10	10
58	-	10	10
59	-	25	25
60	-	25	25
61	-	-	-
62	-	5	5
63	-	-	-
64	-	-	-
65	-	-	-
66	-	-	-
67	-	5	5
68	-	5	5
Total %/00	470	530	1000
Serial Numbers	-	-	146
Number of Samples	-	-	1
Number of Fish Measured	94	106	200
Mean Length (cm)	38.6	48.4	43.8
Mean Weight (kg)	-	-	0.77
Total Weight Landed (tons)	-	-	83
Estimated Number Landed	-	-	1078 ¹
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ²
Range of Depths (fm)	-	-	58-72

¹ Numbers in 100's
² inches

TABLE 90

LENGTH FREQUENCIES - AMERICAN PLAICE - 4Vs - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings After Discard			Landings					
CATCHES/LANDINGS	March			March			April		
MONTH	Canada (Newfoundland)			Canada (Maritimes)					
COUNTRY	00	99	Tot.	00	99	Tot.	00	99	Tot.
SEX	501-900			151-500					
TONNAGE									
27	-	-	-	5	-	5	5	-	5
28	-	-	-	5	-	5	5	-	5
29	5	-	5	-	-	-	-	-	-
30	-	-	-	5	-	5	-	-	-
31	-	-	-	10	-	10	10	-	10
32	-	5	5	40	-	40	5	-	5
33	10	5	15	25	-	25	25	-	25
34	10	5	15	60	5	65	10	5	15
35	21	10	31	40	5	45	65	-	65
36	10	10	20	40	-	40	50	-	50
37	15	15	30	35	10	45	60	10	70
38	31	-	31	20	-	20	85	25	110
39	46	21	67	35	20	55	55	5	60
40	15	5	20	60	5	65	35	15	50
41	36	21	57	20	5	25	30	5	35
42	5	21	26	55	5	60	30	20	50
43	15	21	36	45	25	70	25	30	55
44	5	15	20	10	25	35	20	20	40
45	15	21	36	15	25	40	5	55	60
46	15	41	56	10	20	30	20	15	35
47	5	31	36	5	35	40	-	45	45
48	10	26	36	-	45	45	-	30	30
49	10	15	25	5	35	40	-	25	25
50	-	26	26	-	25	25	-	50	50
51	5	31	36	-	35	35	-	20	20
52	-	46	46	-	25	25	-	10	10
53	-	15	15	-	15	15	-	20	20
54	-	26	26	-	15	15	-	10	10
55	-	10	10	-	20	20	-	20	20
56	-	52	52	-	15	15	-	10	10
57	-	26	26	-	5	5	-	5	5
58	-	31	31	-	5	5	-	-	-
59	-	15	15	-	10	10	-	5	5
60	-	10	10	-	5	5	-	-	-
61	-	36	36	-	-	-	-	-	-
62	-	26	26	-	5	5	-	-	-
63	-	10	10	-	5	5	-	-	-
64	-	-	-	-	5	5	-	-	-
65	-	21	21	-	-	-	-	-	-
66	-	21	21	-	-	-	-	-	-
67	-	10	10	-	-	-	-	5	5
68	-	-	-	-	-	-	-	-	-
69	-	10	10	-	-	-	-	-	-
Total ‰	284	710	994	545	455	1000	540	460	1000
Serial Numbers	-	-	-	-	-	141	-	-	142
Number of Samples	-	-	1	-	-	1	-	-	1
Number of Fish Measured	56	138	194	109	91	200	108	92	200
Mean Length (cm)	40.214	51.543	48.273	37.9	48.7	42.8	38.1	47.0	42.2
Mean Weight (kg)	-	-	1.199	-	-	0.84	-	-	0.69
Total Weight Landed (tons)	-	-	375.9	-	-	655	-	-	655
Estimated Number Landed	-	-	313511	-	-	7798 ¹	-	-	9493 ¹
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	3 3/4 ²	-	-	3 1/2 ²
Range of Depths (fm)	-	-	130	-	-	95-180	-	-	26-42

1 Numbers in 100's

2 inches

TABLE 90
(Cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 4Vs - 1968

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)		
CATCHES/LANDINGS	Landings		
MONTH	October		
COUNTRY	France (St. Pierre et Miquelon)		
SEX	%	99	Tot.
TONNAGE	151-500		
18	-	-	1
19	-	-	-
20	-	-	1
21	-	-	-
22	-	-	-
23	-	-	1
24	-	-	1
25	-	-	5
26	-	-	4
27	-	-	6
28	-	-	14
29	-	-	11
30	-	-	20
31	-	-	19
32	-	-	27
33	-	-	35
34	-	-	46
35	-	-	45
36	-	-	51
37	-	-	45
38	-	-	40
39	-	-	34
40	-	-	53
41	-	-	47
42	-	-	34
43	-	-	27
44	-	-	44
45	-	-	33
46	-	-	38
47	-	-	24
48	-	-	46
49	-	-	20
50	-	-	27
51	-	-	33
52	-	-	20
53	-	-	31
54	-	-	25
55	-	-	12
56	-	-	22
57	-	-	9
58	-	-	12
59	-	-	4
60	-	-	9
61	-	-	5
62	-	-	6
63	-	-	5
64	-	-	1
65	-	-	2
66	-	-	-
67	-	-	-
68	-	-	1
69	-	-	-
70	-	-	1
Total %	-	-	997
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	-	-	845
Mean Length (cm)	-	-	-
Mean Weight (kg)	-	-	0.76
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	35-50

¹ inches

TABLE 90 LENGTH FREQUENCIES - AMERICAN PLAICE - 4V8 - 1968
 (Cont'd)

(FREQUENCIES IN %/oo - 1 CM GROUPS)

GEAR	NK		
	(Research)		
CATCHES/LANDINGS	Catches		
MONTH	March		
COUNTRY	Poland		
SEX	♂	♀	Tot.
TONNAGE	807		
14	-	-	2
15	-	-	-
16	-	-	2
17	-	-	-
18	-	-	2
19	-	-	2
20	-	-	6
21	-	-	3
22	-	-	8
23	-	-	22
24	-	-	34
25	-	-	36
26	-	-	55
27	-	-	53
28	-	-	70
29	-	-	87
30	-	-	84
31	-	-	98
32	-	-	106
33	-	-	81
34	-	-	70
35	-	-	62
36	-	-	23
37	-	-	36
38	-	-	16
39	-	-	9
40	-	-	5
41	-	-	9
42	-	-	3
43	-	-	3
44	-	-	2
45	-	-	5
46	-	-	2
47	-	-	4
Total %/oo	-	-	1000
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	-	-	640
Mean Length (cm)	-	-	29.5
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114
Range of Depths (fm)	-	-	71

TABLE 91

LENGTH FREQUENCIES - AMERICAN PLAICE - 4W - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	NK		
CATCHES/LANDINGS	(Research)		
MONTH	Catches		
COUNTRY	March		
SEX	Poland		
TONNAGE	♂♂	♀♀	Tot.
	807		
19	-	-	2
20	-	-	-
21	-	-	-
22	-	-	-
23	-	-	6
24	-	-	2
25	-	-	14
26	-	-	12
27	-	-	48
28	-	-	35
29	-	-	64
30	-	-	90
31	-	-	90
32	-	-	98
33	-	-	84
34	-	-	86
35	-	-	49
36	-	-	47
37	-	-	53
38	-	-	25
39	-	-	25
40	-	-	21
41	-	-	39
42	-	-	14
43	-	-	16
44	-	-	14
45	-	-	12
46	-	-	18
47	-	-	-
48	-	-	4
49	-	-	4
50	-	-	2
51	-	-	10
52	-	-	2
53	-	-	-
54	-	-	-
55	-	-	-
56	-	-	4
57	-	-	-
58	-	-	7
59	-	-	-
60	-	-	-
61	-	-	-
62	-	-	3
Total ‰	-	-	1000
Serial Numbers	-	-	-
Number of Samples	-	-	2
Number of Fish Measured	-	-	512
Mean Length (cm)	-	-	34.2
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114
Range of Depths (fm)	-	-	44-87

TABLE 92

LENGTH FREQUENCIES - GREENLAND HALIBUT - 1A - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Prawn Trawl (Research)		
CATCHES/LANDINGS	Catches		
MONTH	July		
COUNTRY	Denmark (Greenland)		
SEX	♂	♀	Tot.
TONNAGE	<50		
9	-	-	26
10	-	-	174
11	-	-	230
12	-	-	156
13	-	-	42
14	-	-	6
15	-	-	2
16	-	-	6
17	-	-	16
18	-	-	16
19	-	-	14
20	-	-	26
21	-	-	22
22	-	-	20
23	-	-	20
24	-	-	8
25	-	-	18
26	-	-	20
27	-	-	40
28	-	-	20
29	-	-	32
30	-	-	22
31	-	-	10
32	-	-	14
33	-	-	8
34	-	-	4
35	-	-	8
36	-	-	4
37	-	-	8
38	-	-	2
39	-	-	-
40	-	-	2
41	-	-	4
42	-	-	-
43	-	-	-
44	-	-	2
Total ‰	-	-	1000
Serial Numbers	-	-	-
Number of Samples	-	-	-
Number of Fish Measured	-	-	501
Mean Length (cm)	-	-	16.5
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	18
Range of Depths (fm)	-	-	129-143

TABLE 93

LENGTH FREQUENCIES - GREENLAND HALIBUT - JB - 1968

(FREQUENCIES IN %/oo - 1 CM GROUPS)

GEAR	God Trawl with Bobbins (Research)		
CATCHES/LANDINGS	Catches		
MONTH	July		
COUNTRY	Denmark (Greenland)		
SEX	♂	♀	Tot.
TONNAGE	<50		
23	-	-	9
24	-	-	-
25	-	-	17
26	-	-	-
27	-	-	9
28	-	-	26
29	-	-	26
30	-	-	26
31	-	-	60
32	-	-	26
33	-	-	77
34	-	-	68
35	-	-	51
36	-	-	34
37	-	-	85
38	-	-	68
39	-	-	51
40	-	-	60
41	-	-	60
42	-	-	34
43	-	-	60
44	-	-	43
45	-	-	34
46	-	-	34
47	-	-	17
48	-	-	9
49	-	-	-
50	-	-	9
51	-	-	-
52	-	-	-
53	-	-	-
54	-	-	9
Total %/oo	-	-	1002
Serial Numbers	-	-	-
Number of Samples	-	-	-
Number of Fish Measured	-	-	117
Mean Length (cm)	-	-	34.4
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-
Range of Depths (fm)	-	-	230-264

TABLE 94

LENGTH FREQUENCIES - GREENLAND HALIBUT - 1D - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Prawn Trawl (Research)												
	NK												
CATCHES/LANDINGS	January		February		January		February						
MONTH	Denmark (Greenland)												
COUNTRY	♂♂		♀♀		♂♂		♀♀						
SEX	Tot.	Tot.	Tot.	Tot.	Tot.	Tot.	Tot.	Tot.					
TONNAGE	<50												
8	-	-	2	-	-	10	59	-	-	6	-	-	14
9	-	-	34	-	-	68	60	-	-	22	-	-	9
10	-	-	121	-	-	159	61	-	-	34	-	-	8
11	-	-	77	-	-	150	62	-	-	26	-	-	4
12	-	-	42	-	-	78	63	-	-	22	-	-	5
13	-	-	4	-	-	23	64	-	-	6	-	-	5
14	-	-	-	-	-	3	65	-	-	12	-	-	12
15	-	-	-	-	-	-	66	-	-	2	-	-	13
16	-	-	4	-	-	4	67	-	-	10	-	-	3
17	-	-	4	-	-	5	68	-	-	8	-	-	10
18	-	-	14	-	-	8	69	-	-	8	-	-	5
19	-	-	12	-	-	16	70	-	-	8	-	-	16
20	-	-	16	-	-	16	71	-	-	4	-	-	1
21	-	-	8	-	-	12	72	-	-	6	-	-	5
22	-	-	4	-	-	7	73	-	-	4	-	-	3
23	-	-	2	-	-	7	74	-	-	6	-	-	4
24	-	-	4	-	-	7	75	-	-	6	-	-	4
25	-	-	8	-	-	4	76	-	-	10	-	-	1
26	-	-	8	-	-	5	77	-	-	2	-	-	3
27	-	-	4	-	-	8	78	-	-	4	-	-	-
28	-	-	4	-	-	3	79	-	-	2	-	-	1
29	-	-	2	-	-	3	80	-	-	-	-	-	4
30	-	-	-	-	-	4	81	-	-	2	-	-	-
31	-	-	4	-	-	5	82	-	-	-	-	-	-
32	-	-	8	-	-	1	83	-	-	-	-	-	3
33	-	-	6	-	-	3	84	-	-	4	-	-	1
34	-	-	2	-	-	12	85	-	-	-	-	-	4
35	-	-	14	-	-	7	86	-	-	2	-	-	-
36	-	-	8	-	-	7	87	-	-	4	-	-	-
37	-	-	12	-	-	7	88	-	-	-	-	-	-
38	-	-	10	-	-	9	89	-	-	-	-	-	-
39	-	-	18	-	-	7	90	-	-	-	-	-	-
40	-	-	16	-	-	5	91	-	-	4	-	-	-
41	-	-	16	-	-	18	92	-	-	-	-	-	-
42	-	-	22	-	-	21	93	-	-	-	-	-	-
43	-	-	24	-	-	18	94	-	-	4	-	-	-
44	-	-	38	-	-	9	95	-	-	-	-	-	-
45	-	-	34	-	-	21	96	-	-	-	-	-	-
46	-	-	18	-	-	17	97	-	-	-	-	-	-
47	-	-	12	-	-	9	98	-	-	-	-	-	1
48	-	-	16	-	-	4	99	-	-	-	-	-	1
49	-	-	6	-	-	4							
50	-	-	8	-	-	12							
51	-	-	8	-	-	7							
52	-	-	10	-	-	5							
53	-	-	10	-	-	8							
54	-	-	8	-	-	7							
55	-	-	12	-	-	7							
56	-	-	12	-	-	10							
57	-	-	24	-	-	10							
58	-	-	16	-	-	14							
Total ‰										994			1004
Serial Numbers										-			-
Number of Samples										-			-
Number of Fish Measured										496			767
Mean Length (cm)										38.4			29.0
Mean Weight (kg)										-			-
Total Weight Landed (tons)										-			-
Estimated Number Landed										-			-
Mesh(mm) or Hook(no.) Size										18			18
Range of Depths (fm)										121-341			138-341

TABLE 94
(Cont'd)

LENGTH FREQUENCIES - GREENLAND HALIBUT - 1D - 1968

(FREQUENCIES IN ‰ - 1CM GROUPS)

GEAR	Prawn Trawl												
	(Research)												
CATCHES/LANDINGS	NK												
MONTH	April			May			April			May			
COUNTRY	Denmark (Greenland)												
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	
TONNAGE	<50												
9	-	-	-	-	-	7	60	-	-	34	-	-	3
10	-	-	-	-	-	65	61	-	-	31	-	-	3
11	-	-	3	-	-	176	62	-	-	31	-	-	10
12	-	-	-	-	-	186	63	-	-	48	-	-	16
13	-	-	6	-	-	52	64	-	-	23	-	-	7
14	-	-	-	-	-	7	65	-	-	26	-	-	3
15	-	-	-	-	-	7	66	-	-	26	-	-	10
16	-	-	-	-	-	-	67	-	-	26	-	-	10
17	-	-	-	-	-	13	68	-	-	31	-	-	7
18	-	-	3	-	-	10	69	-	-	20	-	-	7
19	-	-	-	-	-	13	70	-	-	34	-	-	-
20	-	-	-	-	-	7	71	-	-	34	-	-	3
21	-	-	-	-	-	3	72	-	-	45	-	-	20
22	-	-	-	-	-	10	73	-	-	20	-	-	7
23	-	-	3	-	-	-	74	-	-	9	-	-	3
24	-	-	-	-	-	10	75	-	-	17	-	-	-
25	-	-	-	-	-	3	76	-	-	3	-	-	3
26	-	-	-	-	-	3	77	-	-	11	-	-	7
27	-	-	-	-	-	3	78	-	-	3	-	-	13
28	-	-	-	-	-	3	79	-	-	6	-	-	13
29	-	-	-	-	-	7	80	-	-	3	-	-	3
30	-	-	-	-	-	7	81	-	-	3	-	-	10
31	-	-	-	-	-	3	82	-	-	14	-	-	-
32	-	-	3	-	-	7	83	-	-	6	-	-	-
33	-	-	-	-	-	7	84	-	-	-	-	-	3
34	-	-	9	-	-	3	85	-	-	-	-	-	-
35	-	-	3	-	-	-	86	-	-	-	-	-	7
36	-	-	-	-	-	7	87	-	-	6	-	-	7
37	-	-	-	-	-	7	88	-	-	-	-	-	3
38	-	-	3	-	-	7	89	-	-	-	-	-	-
39	-	-	11	-	-	16	90	-	-	-	-	-	-
40	-	-	11	-	-	7	91	-	-	3	-	-	3
41	-	-	20	-	-	3	92	-	-	-	-	-	-
42	-	-	37	-	-	10	93	-	-	-	-	-	-
43	-	-	26	-	-	13	94	-	-	-	-	-	-
44	-	-	28	-	-	7	95	-	-	-	-	-	3
45	-	-	20	-	-	16	96	-	-	-	-	-	-
46	-	-	23	-	-	13	97	-	-	-	-	-	-
47	-	-	26	-	-	3	98	-	-	-	-	-	-
48	-	-	17	-	-	7	99	-	-	-	-	-	-
49	-	-	26	-	-	10	100	-	-	-	-	-	-
50	-	-	9	-	-	3	101	-	-	-	-	-	-
51	-	-	17	-	-	7	102	-	-	-	-	-	-
52	-	-	17	-	-	-	103	-	-	3	-	-	-
53	-	-	20	-	-	3	104	-	-	-	-	-	-
54	-	-	20	-	-	7	105	-	-	-	-	-	-
55	-	-	20	-	-	16	106	-	-	-	-	-	-
56	-	-	31	-	-	13	107	-	-	-	-	-	-
57	-	-	14	-	-	3	108	-	-	3	-	-	-
58	-	-	31	-	-	10							
59	-	-	28	-	-	20							
Total ‰	-	-	1004	-	-	1004							
Serial Numbers	-	-	-	-	-	-							
Number of Samples	-	-	-	-	-	-							
Number of Fish Measured	-	-	352	-	-	306							
Mean Length (cm)	-	-	58.7	-	-	31.7							
Mean Weight (kg)	-	-	-	-	-	-							
Total Weight Landed (tons)	-	-	-	-	-	-							
Estimated Number Landed	-	-	-	-	-	-							
Mesh(mm) or Hook(no.) Size	-	-	18	-	-	18							
Range of Depths (fm)	-	-	165-341	-	-	138-220							

TABLE 94
(Cont'd)

LENGTH FREQUENCIES - GREENLAND HALIBUT - 1D - 1968

(FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	Prawn Trawl (Research)												
	NK												
CATCHES/LANDINGS	November			December			November			December			
MONTH	Denmark (Greenland)												
COUNTRY	06 99 Tot.			06 99 Tot.			06 99 Tot.			06 99 Tot.			
SEX	<50												
TONNAGE													
7	-	-	-	-	-	73	58	-	-	4	-	-	5
8	-	-	-	-	-	218	59	-	-	4	-	-	5
9	-	-	-	-	-	236	60	-	-	12	-	-	5
10	-	-	-	-	-	54	61	-	-	12	-	-	5
11	-	-	-	-	-	-	62	-	-	12	-	-	5
12	-	-	8	-	-	3	63	-	-	19	-	-	3
13	-	-	46	-	-	8	64	-	-	4	-	-	3
14	-	-	97	-	-	21	65	-	-	12	-	-	-
15	-	-	108	-	-	44	66	-	-	12	-	-	-
16	-	-	58	-	-	52	67	-	-	12	-	-	-
17	-	-	12	-	-	41	68	-	-	8	-	-	-
18	-	-	-	-	-	23	69	-	-	4	-	-	-
19	-	-	-	-	-	16	70	-	-	-	-	-	-
20	-	-	-	-	-	10	71	-	-	8	-	-	-
21	-	-	4	-	-	-	72	-	-	4	-	-	-
22	-	-	8	-	-	-	73	-	-	15	-	-	-
23	-	-	12	-	-	-	74	-	-	4	-	-	-
24	-	-	15	-	-	-	75	-	-	-	-	-	-
25	-	-	12	-	-	10	76	-	-	4	-	-	-
26	-	-	8	-	-	8	77	-	-	-	-	-	-
27	-	-	12	-	-	16	78	-	-	-	-	-	3
28	-	-	8	-	-	13	79	-	-	4	-	-	-
29	-	-	8	-	-	10	80	-	-	-	-	-	5
30	-	-	4	-	-	5	81	-	-	-	-	-	-
31	-	-	19	-	-	-	82	-	-	-	-	-	-
32	-	-	15	-	-	5	83	-	-	8	-	-	-
33	-	-	12	-	-	10	84	-	-	4	-	-	-
34	-	-	8	-	-	16	85	-	-	-	-	-	3
35	-	-	8	-	-	-	86	-	-	-	-	-	-
36	-	-	12	-	-	8	87	-	-	-	-	-	-
37	-	-	15	-	-	8	88	-	-	-	-	-	3
38	-	-	8	-	-	3	89	-	-	-	-	-	-
39	-	-	8	-	-	-	90	-	-	-	-	-	-
40	-	-	15	-	-	3	91	-	-	-	-	-	-
41	-	-	12	-	-	3	92	-	-	-	-	-	-
42	-	-	39	-	-	8	93	-	-	4	-	-	-
43	-	-	15	-	-	8	94	-	-	-	-	-	3
44	-	-	4	-	-	-	-	-	-	-	-	-	-
45	-	-	19	-	-	5	-	-	-	-	-	-	-
46	-	-	27	-	-	-	-	-	-	-	-	-	-
47	-	-	31	-	-	3	-	-	-	-	-	-	-
48	-	-	35	-	-	-	-	-	-	-	-	-	-
49	-	-	15	-	-	5	-	-	-	-	-	-	-
50	-	-	23	-	-	3	-	-	-	-	-	-	-
51	-	-	12	-	-	5	-	-	-	-	-	-	-
52	-	-	12	-	-	-	-	-	-	-	-	-	-
53	-	-	15	-	-	3	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	15	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	19	-	-	-	-	-	-	-	-	-	-
Total 0/00	-	-	1003	-	-	1005	-	-	-	-	-	-	-
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Fish Measured	-	-	258	-	-	386	-	-	-	-	-	-	-
Mean Length (cm)	-	-	36.7	-	-	17.1	-	-	-	-	-	-	-
Mean Weight (kg)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	18	-	-	18	-	-	-	-	-	-	-
Range of Depths (fm)	-	-	143	-	-	116-220	-	-	-	-	-	-	-

TABLE 94
(Cont'd)

LENGTH FREQUENCIES - GREENLAND HALIBUT - 1D - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Crab Trawl (Research)												
	NK												
CATCHES/LANDINGS	January			February			January			February			
MONTH	Denmark (Greenland)												
COUNTRY													
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	
TONNAGE	<50												
30	-	-	2	-	-	-	81	-	-	2	-	-	-
31	-	-	2	-	-	-	82	-	-	4	-	-	4
32	-	-	-	-	-	-	83	-	-	4	-	-	12
33	-	-	-	-	-	-	84	-	-	2	-	-	4
34	-	-	-	-	-	4	85	-	-	8	-	-	4
35	-	-	-	-	-	-	86	-	-	2	-	-	8
36	-	-	-	-	-	8	87	-	-	6	-	-	20
37	-	-	2	-	-	-	88	-	-	4	-	-	8
38	-	-	-	-	-	-	89	-	-	2	-	-	4
39	-	-	-	-	-	8	90	-	-	4	-	-	8
40	-	-	2	-	-	-	91	-	-	-	-	-	-
41	-	-	2	-	-	12	92	-	-	4	-	-	4
42	-	-	6	-	-	4	93	-	-	4	-	-	-
43	-	-	10	-	-	16	94	-	-	-	-	-	-
44	-	-	19	-	-	4	95	-	-	-	-	-	4
45	-	-	12	-	-	24	96	-	-	-	-	-	-
46	-	-	14	-	-	16	97	-	-	-	-	-	-
47	-	-	12	-	-	20	98	-	-	-	-	-	-
48	-	-	16	-	-	8	99	-	-	-	-	-	4
49	-	-	21	-	-	8	100	-	-	-	-	-	4
50	-	-	6	-	-	12	101	-	-	-	-	-	-
51	-	-	23	-	-	8	102	-	-	-	-	-	-
52	-	-	19	-	-	16	103	-	-	-	-	-	8
53	-	-	19	-	-	16							
54	-	-	35	-	-	49							
55	-	-	39	-	-	16							
56	-	-	43	-	-	32							
57	-	-	56	-	-	16							
58	-	-	62	-	-	49							
59	-	-	60	-	-	40							
60	-	-	60	-	-	49							
61	-	-	33	-	-	36							
62	-	-	39	-	-	40							
63	-	-	47	-	-	16							
64	-	-	14	-	-	32							
65	-	-	23	-	-	32							
66	-	-	25	-	-	28							
67	-	-	27	-	-	40							
68	-	-	19	-	-	49							
69	-	-	19	-	-	24							
70	-	-	39	-	-	24							
71	-	-	10	-	-	4							
72	-	-	19	-	-	24							
73	-	-	21	-	-	16							
74	-	-	21	-	-	16							
75	-	-	21	-	-	20							
76	-	-	6	-	-	12							
77	-	-	12	-	-	24							
78	-	-	12	-	-	8							
79	-	-	-	-	-	8							
80	-	-	4	-	-	8							
Total ‰	-	-	999	-	-	992							
Serial Numbers	-	-	-	-	-	-							
Number of Samples	-	-	-	-	-	-							
Number of Fish Measured	-	-	485	-	-	247							
Mean Length (cm)	-	-	61.3	-	-	63.5							
Mean Weight (kg)	-	-	-	-	-	-							
Total Weight Landed (tons)	-	-	-	-	-	-							
Estimated Number Landed	-	-	-	-	-	-							
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	-							
Range of Depths (fm)	-	-	138-341	-	-	138-341							

TABLE 94
(Cont'd)

LENGTH FREQUENCIES - GREENLAND HALIBUT - 1D - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Crab Trawl										
	(Research)										
CATCHES/LANDINGS	NK										
	April		November		April		November				
MONTH	Denmark (Greenland)										
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.		
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.		
TONNAGE	<50										
36	-	-	-	-	-	14	87	-	-	-	
37	-	-	-	-	-	-	88	-	-	7	
38	-	-	7	-	-	-	89	-	-	-	
39	-	-	-	-	-	-	90	-	-	14	
40	-	-	-	-	-	-	91	-	-	-	
41	-	-	-	-	-	-	92	-	-	-	
42	-	-	-	-	-	-	93	-	-	14	
43	-	-	7	-	-	-	94	-	-	-	
44	-	-	-	-	-	58	95	-	-	-	
45	-	-	14	-	-	-	96	-	-	-	
46	-	-	14	-	-	14	97	-	-	7	
47	-	-	7	-	-	29					
48	-	-	7	-	-	-					
49	-	-	14	-	-	-					
50	-	-	7	-	-	14					
51	-	-	7	-	-	-					
52	-	-	7	-	-	-					
53	-	-	28	-	-	29					
54	-	-	14	-	-	43					
55	-	-	49	-	-	-					
56	-	-	49	-	-	14					
57	-	-	77	-	-	29					
58	-	-	35	-	-	14					
59	-	-	85	-	-	29					
60	-	-	77	-	-	116					
61	-	-	35	-	-	43					
62	-	-	35	-	-	58					
63	-	-	28	-	-	58					
64	-	-	14	-	-	-					
65	-	-	42	-	-	29					
66	-	-	28	-	-	29					
67	-	-	42	-	-	29					
68	-	-	42	-	-	43					
69	-	-	35	-	-	29					
70	-	-	56	-	-	58					
71	-	-	21	-	-	14					
72	-	-	7	-	-	58					
73	-	-	21	-	-	29					
74	-	-	7	-	-	-					
75	-	-	7	-	-	14					
76	-	-	14	-	-	-					
77	-	-	-	-	-	14					
78	-	-	-	-	-	14					
79	-	-	-	-	-	-					
80	-	-	7	-	-	14					
81	-	-	-	-	-	-					
82	-	-	-	-	-	-					
83	-	-	7	-	-	14					
84	-	-	-	-	-	-					
85	-	-	-	-	-	14					
86	-	-	14	-	-	-					
Total ‰	-	-	-	-	-	-	-	-	995	-	992
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	-	-	-	-	-	-	-	-	-
Number of Fish Measured	-	-	142	-	-	69	-	-	-	-	-
Mean Length (cm)	-	-	62.4	-	-	63.3	-	-	-	-	-
Mean Weight (kg)	-	-	-	-	-	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	-	-	-	-	-	-
Range of Depths (fm)	-	-	341	-	-	220	-	-	-	-	-

TABLE 94
(Cont'd)

LENGTH FREQUENCIES - GREENLAND HALIBUT - JD - 1968

(FREQUENCIES IN %/OO - 1 CM GROUPS)

GEAR	Long Line		
CATCHES/LANDINGS	(Research)		
MONTH	Catches		
COUNTRY	March		
SEX	Denmark (Greenland)		
TONNAGE	66	67	Tot.
	<50		
51	-	-	17
52	-	-	8
53	-	-	-
54	-	-	8
55	-	-	-
56	-	-	-
57	-	-	50
58	-	-	8
59	-	-	25
60	-	-	58
61	-	-	33
62	-	-	33
63	-	-	8
64	-	-	25
65	-	-	42
66	-	-	58
67	-	-	25
68	-	-	33
69	-	-	17
70	-	-	42
71	-	-	25
72	-	-	42
73	-	-	33
74	-	-	33
75	-	-	33
76	-	-	33
77	-	-	33
78	-	-	17
79	-	-	17
80	-	-	17
81	-	-	50
82	-	-	17
83	-	-	42
84	-	-	25
85	-	-	25
86	-	-	-
87	-	-	-
88	-	-	25
89	-	-	8
90	-	-	8
91	-	-	8
92	-	-	-
93	-	-	8
94	-	-	-
95	-	-	-
96	-	-	8
97	-	-	8
98	-	-	-
99	-	-	-
100	-	-	8
			17
Total %/oo	-	-	997
Serial Numbers	-	-	-
Number of Samples	-	-	-
Number of Fish Measured	-	-	120
Mean Length (cm)	-	-	71.6
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-
Range of Depths (fm)	-	-	55-193

TABLE 95

LENGTH FREQUENCIES - GREENLAND HALIBUT - 3K - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl												
	(Commercial)												
CATCHES/LANDINGS	Catches												
MONTH	November			December			November			December			
COUNTRY	Poland												
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	
TONNAGE	2799												
21	-	-	1.0	-	-	-	72	-	-	1.9	-	-	6.5
22	-	-	-	-	-	-	73	-	-	2.9	-	-	10.9
23	-	-	-	-	-	-	74	-	-	7.8	-	-	5.4
24	-	-	-	-	-	-	75	-	-	6.9	-	-	6.5
25	-	-	1.9	-	-	1.1	76	-	-	1.0	-	-	7.6
26	-	-	1.9	-	-	-	77	-	-	1.9	-	-	3.3
27	-	-	2.9	-	-	-	78	-	-	2.9	-	-	3.3
28	-	-	1.9	-	-	1.1	79	-	-	3.9	-	-	3.3
29	-	-	5.9	-	-	2.2	80	-	-	3.9	-	-	2.2
30	-	-	17.8	-	-	4.3	81	-	-	1.9	-	-	-
31	-	-	5.9	-	-	9.8	82	-	-	-	-	-	-
32	-	-	8.8	-	-	9.8	83	-	-	1.0	-	-	2.2
33	-	-	20.6	-	-	12.0	84	-	-	1.9	-	-	-
34	-	-	15.7	-	-	7.6	85	-	-	-	-	-	-
35	-	-	8.8	-	-	8.7	86	-	-	-	-	-	-
36	-	-	17.8	-	-	12.0	87	-	-	-	-	-	2.2
37	-	-	17.8	-	-	23.9	88	-	-	1.9	-	-	2.2
38	-	-	20.6	-	-	20.7	89	-	-	1.0	-	-	-
39	-	-	42.3	-	-	22.8	90	-	-	1.0	-	-	-
40	-	-	26.5	-	-	26.1	91	-	-	-	-	-	-
41	-	-	31.4	-	-	25.0	92	-	-	1.0	-	-	-
42	-	-	35.5	-	-	28.3	93	-	-	1.0	-	-	-
43	-	-	27.5	-	-	31.5							
44	-	-	36.3	-	-	34.8							
45	-	-	33.4	-	-	37.0							
46	-	-	34.4	-	-	31.5							
47	-	-	35.5	-	-	31.5							
48	-	-	43.3	-	-	33.7							
49	-	-	34.5	-	-	28.3							
50	-	-	30.4	-	-	34.8							
51	-	-	28.5	-	-	32.6							
52	-	-	31.4	-	-	41.3							
53	-	-	32.4	-	-	38.1							
54	-	-	32.4	-	-	33.7							
55	-	-	35.5	-	-	32.6							
56	-	-	29.5	-	-	25.0							
57	-	-	29.5	-	-	26.1							
58	-	-	26.5	-	-	26.1							
59	-	-	21.6	-	-	22.8							
60	-	-	20.6	-	-	21.8							
61	-	-	17.8	-	-	17.4							
62	-	-	17.8	-	-	16.3							
63	-	-	11.8	-	-	20.7							
64	-	-	14.7	-	-	22.8							
65	-	-	10.8	-	-	16.3							
66	-	-	7.8	-	-	15.2							
67	-	-	6.9	-	-	13.0							
68	-	-	3.9	-	-	15.2							
69	-	-	4.9	-	-	12.0							
70	-	-	7.8	-	-	7.6							
71	-	-	3.9	-	-	8.7							
Total ‰	-	-	1000.0	-	-	-1000.0							
Serial Numbers	-	-	-	-	-	-							
Number of Samples	-	-	1	-	-	1							
Number of Fish Measured	-	-	1018	-	-	919							
Mean Length (cm)	-	-	49.6	-	-	51.8							
Mean Weight (kg)	-	-	-	-	-	-							
Total Weight Landed (tons)	-	-	-	-	-	-							
Estimated Number Landed	-	-	-	-	-	-							
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114							
Range of Depths (fm)	-	-	159-186	-	-	180-197							

TABLE 96

LENGTH FREQUENCIES - WITCH - 3K - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl					
	(Commercial)					
CATCHES/LANDINGS	Catches					
MONTH	October			December		
COUNTRY	Poland					
SEX	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	2799					
25	-	-	0.5	-	-	-
26	-	-	-	-	-	-
27	-	-	-	-	-	-
28	-	-	-	-	-	-
29	-	-	1.5	-	-	-
30	-	-	1.0	-	-	-
31	-	-	4.0	-	-	8.2
32	-	-	0.5	-	-	4.9
33	-	-	4.5	-	-	6.6
34	-	-	3.5	-	-	3.3
35	-	-	2.0	-	-	3.3
36	-	-	3.5	-	-	8.2
37	-	-	5.5	-	-	14.8
38	-	-	9.9	-	-	14.8
39	-	-	11.9	-	-	18.1
40	-	-	19.9	-	-	24.7
41	-	-	18.9	-	-	92.9
42	-	-	32.3	-	-	41.2
43	-	-	33.3	-	-	49.5
44	-	-	46.8	-	-	46.1
45	-	-	53.7	-	-	44.5
46	-	-	55.2	-	-	44.5
47	-	-	67.2	-	-	61.0
48	-	-	66.7	-	-	57.8
49	-	-	68.1	-	-	70.9
50	-	-	74.7	-	-	70.9
51	-	-	61.2	-	-	74.2
52	-	-	56.7	-	-	67.5
53	-	-	45.3	-	-	60.9
54	-	-	40.8	-	-	39.5
55	-	-	40.8	-	-	24.6
56	-	-	33.8	-	-	24.7
57	-	-	35.3	-	-	18.1
58	-	-	30.8	-	-	16.5
59	-	-	23.4	-	-	13.2
60	-	-	18.4	-	-	9.9
61	-	-	10.4	-	-	6.6
62	-	-	5.5	-	-	4.9
63	-	-	4.5	-	-	3.3
64	-	-	4.0	-	-	-
65	-	-	2.0	-	-	3.3
66	-	-	1.5	-	-	1.6
67	-	-	-	-	-	-
68	-	-	-	-	-	-
69	-	-	-	-	-	-
70	-	-	0.5	-	-	-
Total ‰	-	-	1000.0	-	-	1000.6
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	3	-	-	1
Number of Fish Measured	-	-	2010	-	-	607
Mean Length (cm)	-	-	49.4	-	-	48.2
Mean Weight (kg)	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114
Range of Depths (fm)	-	-	164-186	-	-	180

TABLE 97 LENGTH FREQUENCIES - WITCH - 30 - 1968

(FREQUENCIES IN ‰/oo - 1 CM GROUPS)

GEAR	Otter Trawl		
	(Commercial)		
CATCHES/LANDINGS	Landings After Discard		
MONTH	February		
COUNTRY	Canada (Newfoundland)		
SEX	♂	♀	Tot.
TONNAGE	501-900		
32	3	-	3
33	3	-	3
34	12	-	12
35	9	12	21
36	6	-	6
37	16	19	35
38	16	9	25
39	22	12	34
40	25	9	34
41	19	28	47
42	56	28	84
43	31	19	50
44	65	31	96
45	47	50	97
46	56	53	109
47	56	40	96
48	22	40	62
49	6	59	65
50	3	50	53
51	-	31	31
52	-	19	19
53	-	6	6
54	-	6	6
55	-	-	-
56	-	6	6
Total ‰/oo	473	527	1000
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	152	170	322
Mean Length (cm)	42.993	45.959	44.559
Mean Weight (kg)	-	-	0.704
Total Weight Landed (tons)	-	-	161.0
Estimated Number Landed	-	-	228693
Mesh(mm) or Hook(no.) Size	-	-	Large
Range of Depths (fm)	-	-	51-75

TABLE 98

LENGTH FREQUENCIES - WITCH - 3Ps - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

DEAR	Otter Trawl (Commercial)					
	Landings After Discard					
CATCHES/LANDINGS	February			November		
MONTH	Canada (Newfoundland)			France (St. Pierre et Miquelon)		
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	501-900			151-500		
TONNAGE	501-900			151-500		
26	-	-	-	-	-	1
27	-	-	-	-	-	1
28	-	-	-	-	-	3
29	-	-	-	-	-	5
30	6	-	6	-	-	10
31	-	-	-	-	-	16
32	-	-	-	-	-	27
33	6	-	6	-	-	38
34	-	18	18	-	-	56
35	12	18	30	-	-	66
36	23	6	29	-	-	76
37	12	-	12	-	-	77
38	29	41	70	-	-	78
39	29	12	41	-	-	72
40	12	6	18	-	-	59
41	35	18	53	-	-	53
42	47	41	88	-	-	51
43	47	64	111	-	-	50
44	41	23	64	-	-	50
45	41	29	70	-	-	42
46	29	41	70	-	-	39
47	35	58	93	-	-	37
48	23	58	81	-	-	30
49	6	18	24	-	-	21
50	18	35	53	-	-	17
51	-	35	35	-	-	8
52	-	12	12	-	-	8
53	-	12	12	-	-	5
54	-	-	-	-	-	3
55	-	-	-	-	-	2
56	-	-	-	-	-	1
57	-	6	6	-	-	-
Total ‰	451	551	1002	-	-	1002
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	4
Number of Fish Measured	77	94	171	-	-	5386
Mean Length (cm)	42.442	44.787	43.731	-	-	-
Mean Weight (kg)	-	-	0.488	-	-	0.42
Total Weight Landed (tons)	-	-	260.5	-	-	-
Estimated Number Landed	-	-	533811	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	51-75	-	-	90-150

1 inches

TABLE 99 LENGTH FREQUENCIES - WITCH - 4Vn - 1968

(FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	Otter Trawl			Danish Seine								
	(Commercial)											
CATCHES/LANDINGS	Landings											
MONTH	March			May			July		October			
COUNTRY	Canada (Maritimes)											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500						51-150					
32	-	-	-	-	-	-	-	-	-	10	-	10
33	-	-	-	-	-	-	20	-	20	10	-	10
34	5	-	5	-	-	-	20	-	20	50	25	75
35	-	-	-	5	-	5	35	10	45	40	25	65
36	10	-	10	-	-	-	10	15	25	110	30	140
37	15	-	15	15	-	15	60	15	75	55	75	130
38	15	-	15	30	-	30	80	10	90	45	95	140
39	15	-	15	70	15	85	65	35	100	25	70	95
40	20	-	20	40	10	50	50	30	80	20	35	55
41	15	5	20	75	15	90	40	35	75	20	40	60
42	25	5	30	65	30	95	35	45	80	5	30	35
43	65	15	80	80	30	110	15	35	50	10	10	20
44	85	20	105	45	25	70	20	45	65	5	30	35
45	70	15	85	25	40	65	-	45	45	-	25	25
46	30	25	55	30	60	90	-	35	35	-	15	15
47	25	40	65	25	40	65	-	40	40	-	55	55
48	25	55	80	5	30	35	-	45	45	-	5	5
49	20	35	55	5	25	30	-	5	5	-	15	15
50	-	40	40	-	10	10	-	20	20	5	-	5
51	5	60	65	-	30	30	-	10	10	-	10	10
52	15	70	85	-	60	60	-	15	15	-	-	-
53	-	40	40	-	10	10	-	15	15	-	-	-
54	-	40	40	-	15	15	-	20	20	-	-	-
55	-	25	25	-	15	15	-	10	10	-	-	-
56	-	30	30	-	5	5	-	-	-	-	-	-
57	-	-	-	-	20	20	-	-	-	-	-	-
58	-	10	10	-	-	-	-	10	10	-	-	-
59	-	5	5	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	5	5	-	-	-
61	-	5	5	-	-	-	-	-	-	-	-	-
Total %/00	460	540	1000	515	485	1000	450	550	1000	410	590	1000
Serial Numbers	-	-	185	-	-	186	-	-	187	-	-	188
Number of Samples	-	-	1	-	-	1	-	-	1	-	-	1
Number of Fish Measured	92	108	200	103	97	200	90	110	200	82	118	200
Mean Length (cm)	43.8	50.4	47.4	42.1	47.5	44.7	38.6	45.0	42.1	37.0	40.4	39.0
Mean Weight (kg)	-	-	0.78	-	-	0.69	-	-	0.54	-	-	0.40
Total Weight Landed (tons)	-	-	288	-	-	450	-	-	30	-	-	82
Estimated Number Landed	-	-	3692 ¹	-	-	6522 ¹	-	-	556 ¹	-	-	2050 ¹
Mesh(mm) or Hook(no.) Size	-	-	4 3/4 ²	-	-	4 1/2 ²	-	-	4 1/2 ²	-	-	4 1/2 ²
Range of Depths (fm)	-	-	-120-150	-	-	70-80	-	-	60-70	-	-	70-90

¹ Numbers in 100's² inches

TABLE 100 LENGTH FREQUENCIES - WITCH - 4Vs - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings After Discard			Landings					
CATCHES/LANDINGS	March			March			November		
MONTH	Canada (Newfoundland)			Canada (Maritimes)					
COUNTRY	00	00	Tot.	00	00	Tot.	00	00	Tot.
SEX	501-900			151-500					
TONNAGE	501-900			151-500					
30	-	-	-	-	-	-	5	-	5
31	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-
34	-	-	-	5	-	5	-	-	-
35	-	-	-	-	-	-	-	5	5
36	4	-	4	-	-	-	5	-	5
37	13	4	17	-	-	-	10	5	15
38	21	8	29	15	5	20	10	5	15
39	21	8	29	10	5	15	10	-	10
40	13	8	21	5	-	5	5	5	10
41	42	13	55	5	5	10	5	10	15
42	21	8	29	45	5	50	25	25	50
43	29	17	46	20	10	30	39	15	54
44	38	13	51	65	10	75	15	25	40
45	38	17	55	45	30	75	54	44	98
46	34	13	47	65	45	110	25	34	59
47	50	17	67	45	15	60	34	79	113
48	67	25	92	10	35	45	15	69	84
49	34	46	80	25	50	75	-	39	39
50	25	25	50	10	65	75	5	64	69
51	42	55	97	5	50	55	-	44	44
52	17	38	55	-	25	25	-	64	64
53	8	29	37	-	50	50	10	34	44
54	-	21	21	10	50	60	-	25	25
55	-	25	25	-	30	30	-	10	10
56	-	17	17	5	25	30	-	29	29
57	-	21	21	-	20	20	-	29	29
58	-	17	17	-	35	35	-	25	25
59	-	17	17	-	25	25	-	10	10
60	-	4	4	-	-	-	-	25	25
61	-	13	13	-	5	5	-	5	5
62	-	4	4	-	10	10	-	5	5
63	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-
65	-	-	-	-	5	5	-	-	-
Total ‰	517	483	1000	390	610	1000	272	729	1001
Serial Numbers	-	-	-	-	-	189	-	-	190
Number of Samples	-	-	1	-	-	1	-	-	1
Number of Fish Measured	123	115	238	78	122	200	148	55	203
Mean Length (cm)	45.447	50.426	47.853	45.0	51.4	48.9	43.9	49.8	48.2
Mean Weight (kg)	-	-	0.881	-	-	0.95	-	-	0.86
Total Weight Landed (tons)	-	-	826.8	-	-	827	-	-	214
Estimated Number Landed	-	-	938479	-	-	8705 ¹	-	-	2488 ¹
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	4 1/8 ²	-	-	4 1/4 ²
Range of Depths (fm)	-	-	95	-	-	115-170	-	-	35-140

¹ Numbers in 100's² inches

TABLE 101 LENGTH FREQUENCIES - WITCH - 4W - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Danish Seine		
	(Commercial)		
CATCHES/LANDINGS	Landings		
MONTH	January		
COUNTRY	Canada (Maritimes)		
SEX	♂ ¹	♀	Tot.
TONNAGE	51-150		
30	5	-	5
31	-	-	-
32	-	-	-
33	-	-	-
34	5	15	20
35	5	10	15
36	15	5	20
37	5	15	20
38	10	25	35
39	25	25	50
40	25	15	40
41	30	25	55
42	25	25	50
43	15	20	35
44	15	35	50
45	10	30	40
46	20	35	55
47	25	35	60
48	15	55	70
49	5	60	65
50	5	70	75
51	5	55	60
52	-	30	30
53	5	45	50
54	-	35	35
55	-	15	15
56	-	20	20
57	-	10	10
58	-	10	10
59	-	5	5
60	-	-	-
61	-	-	-
62	-	-	-
63	-	5	5
Total ‰	270	730	1000
Serial Numbers	-	-	195
Number of Samples	-	-	1
Number of Fish Measured	54	146	200
Mean Length (cm)	42.4	47.5	46.1
Mean Weight (kg)	-	-	0.54
Total Weight Landed (tons)	-	-	16
Estimated Number Landed	-	-	296 ¹
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ²
Range of Depths (fm)	-	-	95-104

¹ Numbers in 100's
² Inches

TABLE 102

LENGTH FREQUENCIES - YELLOWTAIL - 3N - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings After Discards			Landings		
CATCHES/LANDINGS	September			November		
MONTH	September			November		
COUNTRY	Canada (Newfoundland)			France (St. Pierre et Miquelon)		
SEX	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	501-900			151-500		
26	3	-	3	-	-	-
27	5	-	5	-	-	-
28	5	-	5	-	-	-
29	3	3	6	-	-	-
30	8	-	8	-	-	1
31	8	5	13	-	-	4
32	8	13	21	-	-	2
33	26	24	50	-	-	7
34	26	21	47	-	-	7
35	39	24	63	-	-	15
36	55	63	118	-	-	17
37	89	29	118	-	-	54
38	84	94	178	-	-	59
39	47	65	112	-	-	81
40	34	58	92	-	-	85
41	24	34	58	-	-	101
42	16	26	42	-	-	112
43	5	18	23	-	-	100
44	3	10	13	-	-	90
45	-	13	13	-	-	80
46	-	3	3	-	-	75
47	-	5	5	-	-	48
48	-	-	-	-	-	33
49	-	3	3	-	-	16
50	-	-	-	-	-	9
51	-	3	3	-	-	4
52	-	-	-	-	-	1
Total ‰	488	514	1002	-	-	1001
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	186	196	382	-	-	1192
Mean Length (cm)	36.785	38.388	37.607	-	-	-
Mean Weight (kg)	-	-	0.486	-	-	0.74
Total Weight Landed (tons)	-	-	546.2	-	-	-
Estimated Number Landed	-	-	1123868	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	Large	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	38	-	-	50

¹ Inches

TABLE 103 LENGTH FREQUENCIES - YELLOWTAIL - 3Ps - 1968

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)		
CATCHES/LANDINGS	Landings		
MONTH	December		
COUNTRY	France (St. Pierre et Miquelon)		
SEX	♂	♀	Tot.
TONNAGE	151-500		
25	-	-	1
26	-	-	1
27	-	-	-
28	-	-	2
29	-	-	4
30	-	-	10
31	-	-	10
32	-	-	18
33	-	-	29
34	-	-	42
35	-	-	62
36	-	-	81
37	-	-	88
38	-	-	94
39	-	-	89
40	-	-	83
41	-	-	72
42	-	-	57
43	-	-	63
44	-	-	53
45	-	-	47
46	-	-	42
47	-	-	22
48	-	-	15
49	-	-	8
50	-	-	4
51	-	-	2
52	-	-	1
Total %	-	-	999
Serial Numbers	-	-	-
Number of Samples	-	-	3
Number of Fish Measured	-	-	4289
Mean Length (cm)	-	-	-
Mean Weight (kg)	-	-	0.60
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	4 1/2 ¹
Mesh(mm) or Hook(no.) Size	-	-	30-50
Range of Depths (fm)	-	-	-

¹ inches

TABLE 104

LENGTH FREQUENCIES - YELLOWTAIL - 4Vs - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl											
	(Commercial)											
CATCHES/LANDINGS	Landings											
MONTH	May			June			October			December		
COUNTRY	Canada (Maritimes)						France (St. P. et M.)			Canada (M)		
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500						501-900					
27	5	-	5	-	-	-	-	-	2	-	-	-
28	5	-	5	-	-	-	-	-	8	-	-	-
29	5	-	5	-	-	-	-	-	10	-	-	-
30	5	-	5	-	-	-	-	-	17	5	5	10
31	30	-	30	-	-	-	-	-	31	10	10	20
32	70	5	75	-	-	-	-	-	53	34	29	63
33	30	-	30	7	7	14	-	-	88	44	10	54
34	105	15	120	22	7	29	-	-	93	29	15	44
35	85	35	120	50	-	50	-	-	99	29	54	83
36	135	30	165	72	43	115	-	-	94	59	78	137
37	50	25	75	115	36	151	-	-	85	64	73	137
38	55	70	125	58	73	131	-	-	83	24	59	83
39	25	45	70	58	58	116	-	-	82	10	78	88
40	5	45	50	50	65	115	-	-	71	15	34	49
41	10	20	30	79	50	129	-	-	43	10	69	79
42	-	40	40	29	43	72	-	-	29	-	39	39
43	-	20	20	7	7	14	-	-	29	-	20	20
44	-	10	10	14	14	28	-	-	25	-	10	10
45	-	10	10	-	14	14	-	-	15	-	20	20
46	-	5	5	-	7	7	-	-	11	-	34	34
47	-	-	-	7	-	7	-	-	10	-	10	10
48	-	-	-	-	7	7	-	-	8	-	5	5
49	-	-	-	-	-	-	-	-	7	-	5	5
50	-	-	-	-	-	-	-	-	5	-	-	-
51	-	5	5	-	-	-	-	-	-	-	5	5
52	-	-	-	-	-	-	-	-	2	-	5	5
Total ‰	620	380	1000	568	431	999	-	-	1000	333	667	1000
Serial Numbers	-	-	181	-	-	182	-	-	-	-	-	183
Number of Samples	-	-	1	-	-	1	-	-	1	-	-	1
Number of Fish Measured	124	76	200	79	60	139	-	-	829	68	136	204
Mean Length (cm)	34.9	39.1	36.5	38.3	39.5	38.8	-	-	-	35.5	39.0	37.8
Mean Weight (kg)	-	-	0.44	-	-	0.54	-	-	0.60	-	-	0.54
Total Weight Landed (tons)	-	-	505	-	-	312	-	-	-	-	-	147
Estimated Number Landed	-	-	11477 ¹	-	-	5778 ¹	-	-	-	-	-	2722 ¹
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ²	-	-	5 ²	-	-	4 1/2 ²	-	-	5 ²
Range of Depths (fm)	-	-	27-30	-	-	28-45	-	-	35-50	-	-	28-140

¹ Numbers in 100's² inches

TABLE 105 LENGTH FREQUENCIES - YELLOWTAIL - 4W - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)			NK (Research)		
	Landings			Catches		
CATCHES/LANDINGS	May			March		
MONTH	Canada (Maritimes)			Poland		
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	151-500			807		
TONNAGE						
20	-	-	-	-	-	2
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	9
24	5	-	5	-	-	7
25	-	-	-	-	-	9
26	-	-	-	-	-	11
27	5	-	5	-	-	43
28	10	-	10	-	-	29
29	20	5	25	-	-	43
30	15	5	20	-	-	63
31	25	10	35	-	-	90
32	25	15	40	-	-	88
33	54	20	74	-	-	90
34	25	25	50	-	-	125
35	50	65	115	-	-	90
36	30	114	144	-	-	84
37	20	99	119	-	-	41
38	10	79	89	-	-	46
39	-	84	84	-	-	43
40	5	65	70	-	-	30
41	-	35	35	-	-	18
42	-	25	25	-	-	12
43	-	20	20	-	-	4
44	-	20	20	-	-	5
45	-	5	5	-	-	4
46	-	5	5	-	-	5
47	-	5	5	-	-	7
48	-	-	-	-	-	-
49	-	-	-	-	-	2
Total ‰	299	701	1000	-	-	1000
Serial Numbers	-	-	184	-	-	-
Number of Samples	-	-	1	-	-	2
Number of Fish Measured	60	141	201	-	-	558
Mean Length (cm)	33.2	37.8	36.4	-	-	33.7
Mean Weight (kg)	-	-	0.49	-	-	-
Total Weight Landed (tons)	-	-	75	-	-	-
Estimated Number Landed	-	-	1531 ¹	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ²	-	-	114
Range of Depths (fm)	-	-	35-75	-	-	44-82

¹ Numbers in 100's² inches

TABLE 106

LENGTH FREQUENCIES - YELLOWTAIL - SZ - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	January			February			March			April		
MONTH												
COUNTRY	United States											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-215											
23	-	1	1	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	1	-	1	-	-	-
27	-	-	-	-	-	-	1	-	1	-	-	-
28	3	1	4	-	-	-	1	-	1	1	-	1
29	6	2	8	2	1	3	3	2	5	1	-	1
30	14	7	21	3	1	4	8	4	12	3	2	5
31	24	12	36	20	4	24	17	8	25	15	5	20
32	46	16	62	49	13	62	44	26	70	26	25	51
33	70	49	119	97	37	134	64	49	113	59	47	107
34	66	61	127	96	57	154	90	63	152	82	73	156
35	62	76	138	65	63	128	70	80	150	61	83	145
36	37	72	109	64	78	142	43	85	128	48	83	130
37	24	72	96	40	62	102	36	64	100	32	75	107
38	17	53	71	32	65	97	23	52	74	21	56	76
39	11	44	55	14	43	57	9	41	51	17	47	64
40	10	35	45	9	20	29	8	27	35	11	29	40
41	6	22	28	3	18	21	2	21	23	6	22	28
42	3	21	24	4	13	17	3	14	17	4	16	20
43	3	13	14	1	8	9	2	8	11	1	14	15
44	1	11	12	-	6	6	2	5	7	1	10	11
45	-	7	7	-	4	4	1	12	13	1	6	7
46	-	10	10	-	2	2	1	3	4	-	6	6
47	-	1	1	-	1	1	1	3	3	-	5	5
48	-	5	5	-	1	1	-	1	1	-	4	4
49	-	4	4	-	1	1	-	-	-	-	1	1
50	-	2	2	-	1	1	-	1	1	-	1	1
51	-	-	-	-	-	-	-	1	1	-	-	-
Total ‰	403	597	1000	500	500	1000	430	570	1000	389	611	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	14	14	14	13	13	13	17	17	17	17	17	17
Number of Fish Measured	649	974	1623	852	801	1653	889	1113	2002	764	1206	1970
Mean Length (cm)	34.39	37.07	35.99	34.71	36.80	35.76	34.70	36.65	35.81	35.06	36.93	36.20
Mean Weight (kg)	0.36	0.57	0.49	0.37	0.55	0.46	0.37	0.55	0.47	0.38	0.56	0.49
Total Weight Landed (tons)	587	1382	1969	606	904	1510	741	1446	2187	690	1589	2279
Estimated Number Landed	16269 ¹	24113 ¹	40381 ¹	16412 ¹	16427 ¹	32839 ¹	19960 ¹	26442 ¹	46402 ¹	18048 ¹	28314 ¹	46362 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	7-35	-	-	8-38	-	-	6-43	-	-	6-38

¹ Numbers in 100's

TABLE 106 LENGTH FREQUENCIES - YELLOWTAIL - 5Z - 1968
 (Cont'd)

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	May			June			July			August		
MONTH	United States											
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	0-215											
TONNAGE												
27	-	-	-	-	-	-	1	-	1	-	-	-
28	-	-	-	1	-	1	-	-	-	-	-	-
29	-	-	-	-	-	-	1	-	1	2	-	2
30	3	1	4	2	-	2	1	-	1	2	1	3
31	12	1	13	4	2	6	4	1	5	7	3	10
32	29	16	45	29	11	40	16	9	25	14	15	29
33	41	27	68	44	21	65	31	30	61	36	33	69
34	66	30	97	75	54	129	42	54	96	46	50	96
35	82	47	129	63	53	116	47	71	118	54	61	115
36	71	56	127	63	71	134	41	97	138	44	80	124
37	51	71	122	46	77	123	19	110	128	43	85	128
38	35	72	107	23	64	87	13	97	110	23	84	107
39	31	51	82	21	69	90	15	89	104	13	80	93
40	18	38	56	16	41	57	12	61	74	12	67	79
41	10	31	41	7	42	49	2	37	39	5	48	52
42	8	22	30	9	26	34	1	23	23	5	28	33
43	7	18	25	2	16	18	2	19	20	4	17	21
44	1	6	8	1	18	19	1	16	16	-	11	11
45	-	18	18	-	10	10	-	12	12	-	10	10
46	-	9	9	-	10	10	1	12	13	-	4	4
47	-	6	6	-	5	5	-	6	6	-	6	6
48	-	3	3	-	3	3	-	3	3	-	3	3
49	-	8	8	-	3	3	-	2	2	-	1	1
50	-	3	3	-	-	-	-	2	2	-	2	2
51	-	-	-	-	-	-	-	1	1	-	-	-
52	-	-	-	-	-	-	-	1	1	-	-	-
Total ‰	466	534	1000	405	595	1000	247	753	1000	309	691	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	13	13	13	15	15	15	16	16	16	15	15	15
Number of Fish Measured	696	896	1592	703	1092	1795	442	1357	1799	514	1266	1780
Mean Length (cm)	35.81	38.25	37.11	35.57	38.08	37.06	35.39	37.99	37.35	35.64	37.92	37.21
Mean Weight (kg)	0.41	0.64	0.53	0.40	0.62	0.53	0.39	0.52	0.49	0.40	0.51	0.48
Total Weight Landed (tons)	676	1205	1881	520	1188	1708	539	2166	2705	760	2190	2950
Estimated Number Landed	16493 ¹	18927 ¹	35420 ¹	12996 ¹	19093 ¹	32089 ¹	13801 ¹	41990 ¹	55790 ¹	19104 ¹	42732 ¹	61836 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	17-46	-	-	6-48	-	-	18-43	-	-	13-43

¹ Numbers in 100's

TABLE 106
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - 5Z - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	September			October			November			December		
MONTH	United States											
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	0-215											
TONNAGE												
28	-	-	-	1	-	1	1	-	1	3	-	3
29	2	-	2	4	1	5	-	-	-	5	3	8
30	6	2	8	7	4	11	2	-	2	6	3	9
31	29	6	35	40	15	54	17	6	23	16	8	24
32	44	22	66	61	36	96	38	31	68	29	24	53
33	64	43	107	75	59	135	49	63	112	48	38	86
34	72	70	142	59	78	137	52	93	146	48	51	99
35	72	71	143	48	59	107	36	81	117	51	67	118
36	52	71	123	40	62	103	33	68	101	45	66	111
37	33	58	91	22	53	75	23	76	98	39	68	106
38	31	52	82	11	58	69	20	49	69	26	63	90
39	25	42	66	11	46	57	15	44	59	17	62	79
40	4	34	38	9	41	50	9	43	52	11	51	62
41	7	36	43	1	31	32	4	44	48	10	47	56
42	-	8	8	1	22	23	4	27	31	2	25	26
43	4	10	14	1	13	14	-	21	21	1	24	26
44	-	10	10	-	9	9	-	14	14	-	21	21
45	-	7	7	-	8	8	-	13	13	-	10	10
46	-	4	4	-	4	4	-	9	9	-	4	4
47	-	3	3	-	5	5	-	5	5	-	3	3
48	-	1	1	-	-	-	-	4	4	-	4	4
49	-	-	-	-	2	2	-	1	1	-	2	2
50	-	3	3	-	2	2	-	3	3	-	1	1
51	-	1	1	-	-	-	-	1	1	-	-	-
52	-	1	1	-	-	-	-	-	-	-	-	-
53	-	1	1	-	-	-	-	-	-	-	-	-
54	-	-	-	-	1	1	-	-	-	-	-	-
55	-	-	-	-	1	1	-	-	-	-	-	-
Total ‰	445	555	1000	391	609	1000	303	697	1000	356	644	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	12	12	12	14	14	14	15	15	15	14	14	14
Number of Fish Measured	639	911	1550	708	1061	1769	525	1181	1706	549	1017	1566
Mean Length (cm)	34.80	37.01	36.03	34.03	36.87	35.76	34.83	37.29	36.55	35.11	37.71	36.78
Mean Weight (kg)	0.37	0.48	0.43	0.33	0.44	0.40	0.35	0.46	0.43	0.36	0.48	0.44
Total Weight Landed (tons)	1150	1843	2993	926	1941	2867	580	1745	2325	809	1935	2744
Estimated Number Landed	30853 ¹	38504 ¹	69357 ¹	28137 ¹	43796 ¹	71934 ¹	16515 ¹	37927 ¹	54442 ¹	22502 ¹	40750 ¹	63252 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	23-50	-	-	17-38	-	-	7-45	-	-	5-48

¹ Numbers in 100's

TABLE 107

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		January						February					
COUNTRY		United States											
TONNAGE		0-215											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1966	2	2	-	2	29.60	-	29.60	1	-	1	32.00	-	32.00
1965	3	252	347	599	33.41	35.65	34.71	304	307	611	33.97	35.89	34.93
1964	4	123	191	314	35.28	37.82	36.82	166	162	328	35.38	37.79	36.54
1963	5	20	35	55	39.25	41.47	40.65	23	23	46	39.00	41.39	40.21
1962	6	6	12	18	40.83	45.60	44.01	5	5	10	39.94	47.50	43.48
1961	7	1	7	8	41.00	48.04	47.55	-	2	2	41.00	48.25	47.21
1960	8	-	3	3	-	48.08	48.08	-	1	1	-	49.00	49.00
1959	9	-	1	1	-	49.20	49.20	-	1	1	-	50.00	50.00
Total ‰		404	596	1000				499	501	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		11	11	11				11	11	11			
Number of Fish Aged		179	201	380				186	205	391			
Mean Age		3.45	3.58	3.53				3.46	3.48	3.47			
Mean Weight (kg)		0.36	0.57	0.49				0.37	0.55	0.46			
Total Weight Landed (tons)		587	1382	1969				606	904	1510			
Estimated Number Landed		16269 ¹	24113 ¹	40381 ¹				16412 ¹	16427 ¹	32839 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	7-35				-	-	8-38			

¹ Numbers in 100's

TABLE 107
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		March						April					
COUNTRY		United States											
TONNAGE		0-215											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1966	2	2	-	2	30.86	-	30.86	6	-	6	31.23	-	31.23
1965	3	261	350	611	33.84	35.55	34.82	237	368	605	34.43	35.96	35.36
1964	4	141	182	323	35.38	37.36	36.56	130	205	335	35.82	37.40	36.79
1963	5	18	27	45	38.67	41.50	40.35	11	27	38	39.43	42.38	41.53
1962	6	5	7	12	40.67	44.87	42.99	4	10	14	41.00	45.25	44.04
1961	7	-	3	3	41.00	46.92	46.46	1	1	2	41.50	47.60	44.88
1960	8	-	3	3	-	49.00	49.00	-	-	-	-	-	-
1959	9	-	1	1	-	49.33	49.33	-	-	-	-	-	-
Total ‰		427	573	1000				389	611	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		12	12	12				17	17	17			
Number of Fish Aged		205	237	442				286	307	593			
Mean Age		3.45	3.50	3.48				3.42	3.48	3.46			
Mean Weight (kg)		0.37	0.55	0.47				0.38	0.56	0.49			
Total Weight Landed (tons)		741	1446	2187				690	1589	2279			
Estimated Number Landed		19960 ¹	26442 ¹	46402 ¹				18048 ¹	28314 ¹	46362 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	6-43				-	-	6-38			

¹ Numbers in 100's

TABLE 107
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		May						June					
COUNTRY		United States											
TONNAGE		0-215											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1966	2	5	-	5	31.39	-	31.39	5	2	7	31.19	32.40	31.48
1965	3	263	293	556	34.99	36.92	36.00	238	249	487	34.97	36.09	35.54
1964	4	169	184	353	36.52	38.37	37.49	146	235	381	36.27	38.04	37.36
1963	5	18	39	57	39.34	44.00	42.50	15	57	72	40.20	41.16	40.96
1962	6	9	15	24	41.44	46.19	44.38	5	43	48	40.84	43.46	43.14
1961	7	1	3	4	41.25	48.36	46.46	1	4	5	41.51	41.36	41.38
1960	8	-	1	1	-	49.00	49.00	-	-	-	-	-	-
Total ‰		465	535	1000				410	590	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				15	15	15			
Number of Fish Aged		187	223	410				271	299	570			
Mean Age		3.50	3.60	3.55				3.47	3.84	3.69			
Mean Weight (kg)		0.41	0.64	0.53				0.40	0.62	0.53			
Total Weight Landed (tons)		676	1205	1881				520	1188	1708			
Estimated Number Landed		16493 ¹	18927 ¹	35420 ¹				12996 ¹	19093 ¹	32089 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	17-46				-	-	6-48			

¹ Numbers in 100's

TABLE 107
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		July						August					
COUNTRY		United States											
TONNAGE		0-215											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		80'	90'	Tot.	80'	90'	Tot.	80'	90'	Tot.	80'	90'	Tot.
1966	2	45	46	91	32.00	35.28	33.65	54	44	98	33.53	34.69	34.05
1965	3	148	473	621	35.19	37.11	36.65	185	437	622	35.44	37.19	36.67
1964	4	45	183	228	36.83	39.14	38.68	57	167	224	37.15	39.24	38.71
1963	5	6	33	39	40.75	43.12	42.73	6	29	35	40.80	42.56	42.24
1962	6	2	11	13	41.46	46.57	45.68	4	7	11	41.45	46.00	44.46
1961	7	1	5	6	43.00	47.14	46.86	2	4	6	42.50	46.82	45.29
1960	8	-	1	1	-	48.88	48.88	1	2	3	41.00	46.31	45.31
1959	9	-	1	1	-	48.00	48.00	-	1	1	-	48.00	48.00
Total ‰		247	753	1000				309	691	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		16	16	16				14	14	14			
Number of Fish Aged		177	270	447				196	266	462			
Mean Age		3.09	3.35	3.29				3.12	3.33	3.27			
Mean Weight (kg)		0.39	0.52	0.49				0.40	0.51	0.48			
Total Weight Landed (tons)		539	2166	2705				760	2190	2950			
Estimated Number Landed		13801 ¹	41990 ¹	55790 ¹				19104 ¹	42732 ¹	61836 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	18-43				-	-	13-43			

¹ Numbers in 100's

TABLE 107
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1968

(FREQUENCIES IN %/oo)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		September						October					
COUNTRY		United States											
TONNAGE		0-215											
YEAR-CLASS	AGE	%oo Frequency			Mean Length			%oo Frequency			Mean Length		
		88	89	Tot.	88	89	Tot.	88	89	Tot.	88	89	Tot.
1967	1	-	-	-	-	-	-	1	1	2	29.33	32.00	30.59
1966	2	106	50	156	32.85	34.17	35.84	171	249	420	32.80	34.69	33.92
1965	3	262	360	622	34.91	36.30	35.71	172	261	433	34.58	37.40	36.28
1964	4	68	115	183	36.53	38.49	37.65	41	78	119	36.10	39.47	38.30
1963	5	6	18	24	40.37	46.60	45.01	4	11	15	37.82	44.40	42.66
1962	6	3	5	8	41.62	48.56	45.74	2	5	7	40.64	45.85	44.55
1961	7	-	3	3	-	47.60	47.60	-	3	4	41.25	47.14	46.20
1960	8	1	2	3	41.50	48.00	46.00	-	-	-	-	-	-
1959	9	-	1	1	-	-	-	-	1	1	-	54.50	54.50
Total %oo		446	554	1000				391	609	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		12	12	12				14	14	14			
Number of Fish Aged		290	294	584				348	350	698			
Mean Age		2.98	3.25	3.13				2.70	2.81	2.77			
Mean Weight (kg)		0.37	0.48	0.43				0.33	0.44	0.40			
Total Weight Landed (tons)		1150	1843	2993				926	1941	2867			
Estimated Number Landed		80853 ¹	38504 ¹	169357 ¹				28137 ¹	43796 ¹	171934 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	23-50				-	-	17-38			

¹ Numbers in 100's

TABLE 107
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		November						December					
COUNTRY		United States											
TONNAGE		0-215											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1967	1	1	1	2	28.67	32.00	30.75	2	1	3	28.71	32.00	29.58
1966	2	112	268	380	33.33	35.14	34.61	120	221	341	33.27	35.38	34.66
1965	3	143	300	443	35.29	37.60	36.86	171	296	467	35.66	38.05	37.21
1964	4	41	96	137	36.83	39.96	39.03	53	101	154	36.73	40.14	38.97
1963	5	5	18	23	38.44	44.36	43.10	7	15	22	38.75	43.56	41.96
1962	6	2	8	10	41.00	45.68	44.55	3	6	9	40.44	45.14	43.69
1961	7	-	5	5	39.50	47.63	47.07	1	3	4	43.33	47.48	46.62
1960	8	-	-	-	-	52.00	52.00	-	-	-	-	-	-
Total ‰		304	696	1000				357	643	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		14	14	14				14	14	14			
Number of Fish Aged		240	274	514				242	284	526			
Mean Age		2.82	2.87	2.85				2.87	2.91	2.90			
Mean Weight (kg)		0.35	0.46	0.43				0.36	0.48	0.44			
Total Weight Landed (tons)		580	1745	2325				809	1935	2744			
Estimated Number Landed		16515 ¹	37927 ¹	54442 ¹				22502 ¹	40750 ¹	63252 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	7-45				-	-	5-48			

¹ Numbers in 100's

TABLE 108

LENGTH FREQUENCIES - POLLOCK - 4X - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl	
	(Commercial)	
CATCHES/LANDINGS	Landings	
MONTH	March	August
COUNTRY	Canada (Maritimes)	
TONNAGE	151-500	
36	3	-
38	29	-
40	26	-
42	54	-
44	67	-
46	99	-
48	114	22
50	179	13
52	198	22
54	90	22
56	48	13
58	32	26
60	27	52
62	18	48
64	10	65
66	4	57
68	-	83
70	-	78
72	-	96
74	-	87
76	-	91
78	2	78
80	-	22
82	-	35
84	-	61
86	-	13
88	-	13
90	-	4
Total ‰	1000	1001
Serial Numbers	191	192
Number of Samples	1	1
Number of Fish Measured	392	230
Mean Length (cm)	50.4	70.6
Mean Weight (kg)	1.74	4.26
Total Weight Landed (tons)	430	342
Estimated Number Landed	247100	80300
Mesh(mm) or Hook(no.) Size	4 1/2 ¹	4 1/2 ¹
Range of Depths (fm)	90-95	55-85

¹ inches

TABLE 109

LENGTH FREQUENCIES - RED HAKE - 52e - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl				
	(Commercial)				
CATCHES/LANDINGS	Catches				
MONTH	March	April	May	June	November
COUNTRY	USSR				
TONNAGE	501-900, 901-1800, over 1800				
20	1	-	-	-	-
22	1	-	-	-	5
24	3	-	-	-	5
26	24	20	27	5	50
28	82	93	53	32	190
30	155	301	187	90	250
32	190	301	260	358	160
34	163	128	267	356	95
36	150	94	150	113	65
38	99	39	33	28	70
40	76	24	17	7	60
42	29	-	3	9	25
44	22	-	3	2	20
46	3	-	-	-	5
48	2	-	-	-	-
Total ‰	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-
Number of Samples	9	1	1	2	1
Number of Fish Measured	1524	203	300	433	200
Mean Length (cm)	34.43	32.46	33.29	33.66	32.76
Mean Weight (kg)	0.254	0.212	0.245	0.279	0.240
Total Weight Landed (tons)	800.8	-	213.1	-	95.9
Estimated Number Landed	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	40	40	40	40	40
Range of Depths (fm)	55-110	55-100	50-60	50-60	50-60

TABLE 110

LENGTH FREQUENCIES - RED HAKE - 52w - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)			
	Catches			
CATCHES/LANDINGS	March	April	September	November
MONTH	USSR			
COUNTRY	USSR			
TONNAGE	501-900, 901-1800, over 1800			
22	8	-	-	3
24	37	120	-	6
26	67	220	33	36
28	101	130	203	42
30	150	160	217	166
32	199	120	213	274
34	166	160	177	248
36	93	30	57	108
38	78	60	47	46
40	48	-	43	29
42	23	-	10	10
44	10	-	-	3
46	4	-	-	26
48	6	-	-	3
50	4	-	-	-
52	3	-	-	-
54	2	-	-	-
56	1	-	-	-
58	-	-	-	-
60	-	-	-	-
62	+	-	-	-
64	-	-	-	-
66	+	-	-	-
Total ‰	1000	1000	1000	1000
Serial Numbers	-	-	-	-
Number of Samples	17	1	1	3
Number of Fish Measured	2460	100	300	307
Mean Length (cm)	33.28	30.18	32.36	32.69
Mean Weight (kg)	0.233	0.212	0.234	0.240
Total Weight Landed (tons)	252.4	225.5	430.1	301.8
Estimated Number Landed	-	-	-	-
Mesh(mm) or Hook(no.) Size	40	40	40	40
Range of Depths (fm)	35-155	35-50	35	35-40

TABLE 111

LENGTH FREQUENCIES - RED HAKE - 5Z - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)							
	Landings							
CATCHES/LANDINGS	May	June	July	August	September	October	November	December
MONTH	United States							
COUNTRY	0-215							
TONNAGE								
17	-	-	-	3	-	-	-	-
18	-	2	-	7	-	-	-	-
19	12	6	-	7	-	11	-	-
20	-	-	1	9	6	11	-	2
21	-	5	8	3	9	-	-	11
22	6	1	2	42	5	8	76	-
23	-	3	3	6	15	18	-	6
24	6	18	22	27	16	24	76	-
25	12	17	76	57	20	33	38	-
26	6	62	85	75	48	37	96	6
27	18	71	145	64	65	64	76	78
28	6	90	140	67	89	130	19	8
29	30	75	169	102	116	50	76	112
30	27	86	87	68	136	142	38	37
31	66	80	94	58	92	148	34	2
32	60	96	43	119	89	43	69	115
33	57	88	16	79	76	103	70	193
34	33	45	33	72	70	47	70	98
35	60	47	15	33	31	46	58	94
36	68	39	16	12	14	23	47	136
37	36	43	13	28	26	10	59	8
38	78	29	1	23	6	17	11	13
39	69	19	1	6	14	-	2	2
40	57	22	-	15	7	5	4	27
41	60	18	-	5	8	10	39	2
42	52	16	1	4	6	-	40	6
43	40	3	1	-	7	-	-	2
44	39	5	-	6	8	-	1	21
45	20	3	15	-	-	-	-	-
46	7	3	1	3	1	-	1	21
47	-	-	-	-	1	-	-	-
48	10	3	1	-	-	-	-	-
49	30	-	-	-	-	-	-	-
50	7	-	1	-	6	-	-	-
51	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-
53	4	2	6	-	13	-	-	-
55	24	3	1	-	-	-	-	-
Total ‰	1000	1000	1000	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-	-	-	-
Number of Samples	9	14	10	12	7	8	3	6
Number of Fish Measured	194	742	581	287	645	142	96	74
Mean Length (cm)	37.16	31.80	30.22	30.01	31.10	29.98	30.75	33.14
Mean Weight (kg)	0.39	0.24	0.18	0.16	0.21	0.20	0.19	0.29
Total Weight Landed (tons)	856	1562	639	365	1458	369	539	203
Estimated Number Landed	21952 ¹	63948 ¹	35241 ¹	22211 ¹	68426 ¹	18624 ¹	29153 ¹	6876 ¹
Mesh(mm) or Hook(no.) Size	64	64	64	64	64	64	64	64
Range of Depths (fm)	7-27	12-30	9-32	18-30	18-32	18-31	20-31	18-26

¹ Numbers in 100's

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		April						May					
COUNTRY		USSR											
TONNAGE		501-900, 901-1800, over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1966	2	121	158	279	27.1	27.5	27.4	-	46	46	-	30.5	30.5
1965	3	180	94	274	31.3	31.3	31.3	62	129	191	31.6	33.7	33.0
1964	4	152	89	241	32.5	33.9	33.0	97	145	242	33.0	36.0	34.9
1963	5	58	56	114	34.0	35.7	34.8	95	147	242	34.3	36.4	35.6
1962	6	4	40	44	32.5	37.1	36.7	69	129	198	35.3	37.8	36.9
1961	7	4	32	36	36.5	38.0	37.8	23	28	51	36.0	38.1	37.2
1960	8	-	8	8	-	38.5	38.5	-	18	18	-	37.9	37.9
1959	9	-	4	4	-	40.5	40.5	6	6	12	40.5	42.5	41.5
Total ‰/oo		519	481	1000				352	648	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	2				-	-	2			
Number of Fish Aged		134	123	257				62	115	177			
Mean Age		3.34	3.74	3.53				4.77	4.58	4.64			
Mean Weight (kg)		-	-	0.212				-	-	0.250			
Total Weight Landed (tons)		-	-	-				-	-	213.1			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	55-110				-	-	50-60			

TABLE 112
(Cont'd)

AGE FREQUENCIES - RED HAKE - 52e - 1968

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)					
CATCHES/LANDINGS		Catches					
MONTH		June					
COUNTRY		USSR					
TONNAGE		501-900, 901-1800, over 1800					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.
1966	2	11	-	11	28.8	-	28.8
1965	3	126	3	219	31.5	29.0	31.4
1964	4	164	109	273	32.8	33.5	33.0
1963	5	147	78	225	33.9	36.7	34.6
1962	6	94	65	159	34.3	39.3	37.3
1961	7	39	54	93	35.4	39.2	37.6
1960	8	21	64	85	35.7	40.0	39.0
1959	9	14	11	25	38.8	42.5	40.4
Total ‰		616	384	1000			
Serial Numbers		-	-	-			
Number of Samples		-	-	4			
Number of Fish Aged		239	148	387			
Mean Age		4.75	5.76	5.13			
Mean Weight (kg)		-	-	0.264			
Total Weight Landed (tons)		-	-	-			
Estimated Number Landed		-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40			
Range of Depths (fm)		-	-	50-60			

GEAR		Otter Trawl (Commercial)					
CATCHES/LANDINGS		Catches					
MONTH		March					
COUNTRY		USSR					
TONNAGE		501-900, 901-1800, over 1800					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.
1966	2	194	186	380	26.9	27.9	27.4
1965	3	108	109	217	29.8	30.4	30.1
1964	4	175	109	284	31.2	32.1	31.6
1963	5	50	45	95	32.2	35.1	33.6
1962	6	9	6	15	33.2	36.5	34.5
1961	7	-	3	3	-	36.5	36.5
1960	8	-	6	6	-	39.5	39.5
Total ‰		536	464	1000			
Serial Numbers		-	-	-			
Number of Samples		-	-	3			
Number of Fish Aged		190	165	355			
Mean Age		3.21	3.16	3.18			
Mean Weight (kg)		-	-	0.190			
Total Weight Landed (tons)		-	-	252.4			
Estimated Number Landed		-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40			
Range of Depths (fm)		-	-	35-155			

TABLE 114

AGE/LENGTH KEYS AND FREQUENCIES (RED HAKE) - 1968

(Available on request from the Secretariat)

In accordance with an recommendation made by the Research and Statistics Committee at their Annual Meeting in 1962 and reaffirmed in 1965, Age/Length Keys and Frequencies will not be published but are to be deposited in the Secretariat and made available to Member Countries on request. The following Age/Length Keys and Frequencies for red hake are now on file in the Secretariat.

GEAR: Otter Trawl

U. S. S. R.

DIVISION	MONTH
5Ze	April May June
5Zw	March

TABLE 115

LENGTH FREQUENCIES - WHITE HAKE - 4T - 1968

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Long Line
CATCHES/LANDINGS	(Commercial)
MONTH	Landings
COUNTRY	August
TONNAGE	Canada (Maritimes)
	0-25
40	22
42	31
44	13
46	4
48	31
50	39
52	53
54	66
56	66
58	66
60	83
62	35
64	35
66	75
68	48
70	48
72	48
74	53
76	66
78	18
80	26
82	22
84	13
86	13
88	4
90	4
92	4
94	9
96	-
98	-
100	-
102	-
104	-
106	-
108	-
110	-
112	4
Total ‰	999
Serial Numbers	193
Number of Samples	1
Number of Fish Measured	228
Mean Length (cm)	64.0
Mean Weight (kg)	2.41
Total Weight Landed (tons)	60
Estimated Number Landed	24900
Mesh(mm) or Hook(no.) Size	6/0
Range of Depths (fm)	20-25

TABLE 116

LENGTH FREQUENCIES - WOLFFISH - 1C - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Long Line (Research)
CATCHES/LANDINGS	NK
MONTH	August
COUNTRY	Denmark (Greenland)
TONNAGE	< 50
31	8
32	-
33	-
34	8
35	8
36	8
37	8
38	8
39	16
40	8
41	8
42	8
43	16
44	49
45	-
46	16
47	-
48	16
49	16
50	25
51	33
52	8
53	41
54	33
55	49
56	49
57	57
58	57
59	74
60	49
61	49
62	49
63	41
64	82
65	33
66	25
67	16
68	-
69	8
78	8
85	8
Total ‰	995
Serial Numbers	-
Number of Samples	-
Number of Fish Measured	122
Mean Length (cm)	55.9
Mean Weight (kg)	-
Total Weight Landed (tons)	-
Estimated Number Landed	-
Mesh(mm) or Hook(no.) Size	-
Range of Depths (fm)	55-176

TABLE 117 LENGTH FREQUENCIES - WOLFFISH - 1D - 1968

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Long Line
CATCHES/LANDINGS	(Research)
MONTH	August
COUNTRY	Denmark (Greenland)
TONNAGE	<50
51	32
52	-
53	16
54	-
55	-
56	47
57	32
58	79
59	63
60	111
61	47
62	63
63	63
64	16
65	32
66	32
67	47
68	32
69	63
70	-
71	47
72	16
73	32
74	16
75	-
76	16
77	32
78	32
79	-
80	32
Total ‰	998
Serial Numbers	-
Number of Samples	-
Number of Fish Measured	63
Mean Length (cm)	64.4
Mean Weight (kg)	-
Total Weight Landed (tons)	-
Estimated Number Landed	-
Mesh(mm) or Hook(no.) Size	-
Range of Depths (fm)	21-41

TABLE 118

LENGTH FREQUENCIES - SILVER HAKE - 5 - 1962

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl											
	(Commercial)											
CATCHES/LANDINGS	Landings											
MONTH	April			June			July			August		
COUNTRY	United States											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-215											
18	-	-	-	-	-	-	-	1	1	-	1	1
20	-	-	-	-	1	1	-	-	-	2	-	2
22	-	-	-	1	4	5	2	1	3	2	1	3
24	23	15	38	13	11	24	11	3	14	28	7	35
26	-	30	30	31	21	52	61	19	80	101	25	126
28	205	45	250	145	21	165	161	26	187	145	53	198
30	197	61	258	209	59	269	195	67	262	160	85	245
32	53	91	144	99	138	237	104	94	198	81	107	188
34	15	30	45	28	95	123	28	95	122	25	80	105
36	15	-	15	5	43	48	6	45	51	1	42	43
38	45	-	45	-	26	26	1	34	35	1	20	21
40	83	-	83	-	16	16	2	17	20	1	9	9
42	30	-	30	-	10	10	1	6	6	-	7	7
44	15	8	23	-	9	9	1	4	5	-	4	4
46	-	-	-	-	1	1	2	2	4	-	4	4
48	-	8	8	-	2	2	-	2	2	-	3	3
50	-	15	15	-	4	4	-	2	2	-	1	1
52	-	-	-	-	7	7	1	1	2	-	3	3
54	-	8	8	-	1	1	1	1	2	-	1	1
56	-	-	-	-	1	1	-	2	2	-	1	1
58	-	-	-	-	-	-	1	-	1	-	1	1
60	-	-	-	-	1	1	1	-	1	-	1	1
62	-	8	8	-	-	-	-	1	1	-	-	-
Total ‰	682	318	1000	531	469	1000	578	422	1000	547	453	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	2	2	2	12	12	12	14	14	14	19	19	19
Number of Fish Measured	90	42	132	740	543	1283	909	616	1525	1229	1000	2229
Mean Length (cm)	32.68	33.55	32.95	30.19	34.00	31.97	30.27	33.98	31.84	29.39	33.10	31.07
Mean Weight (kg)	0.25	0.33	0.28	0.19	0.29	0.24	0.19	0.27	0.22	0.16	0.25	0.20
Total Weight Landed (tons)	579	357	936	3149	4138	7287	5855	6039	11894	4313	5421	9734
Estimated Number Landed	23231 ¹	10841 ¹	34072 ¹	164599 ¹	145227 ¹	309825 ¹	306456 ¹	223663 ¹	530119 ¹	263834 ¹	218351 ¹	482185 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-100-150	-	-	-	25-63	-	-	15-58	-	-	18-58

¹ Numbers in 100's

TABLE 118
(Cont'd)

LENGTH FREQUENCIES - SILVER HAKE - 5 - 1962

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	September			October		
CATCHES/LANDINGS	Landings					
MONTH	United States					
COUNTRY	66	67	Tot.	66	67	Tot.
SEX	0-215					
TONNAGE						
18	1	-	2	-	2	2
20	1	1	2	2	-	2
22	10	4	14	8	-	8
24	33	15	48	16	3	19
26	62	44	108	83	21	104
28	116	89	204	179	65	244
30	125	122	247	169	101	270
32	65	107	172	97	80	177
34	12	84	96	8	63	71
36	1	48	50	-	39	39
38	-	21	21	-	26	26
40	-	14	14	-	10	10
42	-	8	8	-	6	6
44	-	6	6	-	6	6
46	-	6	6	-	3	3
48	-	1	1	-	5	5
50	-	1	1	-	2	2
52	-	-	-	-	3	3
54	-	-	-	-	2	2
56	-	-	-	-	2	2
58	-	1	1	-	-	-
Total ‰	426	574	1000	562	438	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	8	8	8	5	5	5
Number of Fish Measured	492	653	1145	346	270	616
Mean Length (cm)	29.12	32.26	30.92	29.36	33.22	31.05
Mean Weight (kg)	0.17	0.74	0.21	0.17	0.25	0.20
Total Weight Landed (tons)	2130	4117	6247	1642	1972	3614
Estimated Number Landed	128062 ¹	172544 ¹	300606 ¹	98611 ¹	76951 ¹	175562 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64
Range of Depths (fm)	-	-	26-50	-	-	30-50

¹ Numbers in 100's

TABLE 119 LENGTH FREQUENCIES - YELLOWTAIL - SZ - 1962

(FREQUENCIES IN ‰ - 1 CM GROUPS)

YEAR	Otter Trawl											
	(Commercial)											
	Landings											
	January			February			March			April		
CATCHES/LANDINGS	United States											
MONTH	0-499											
COUNTRY	65	66	Tot.	66	67	Tot.	68	69	Tot.	68	69	Tot.
SEX												
TONNAGE												
25	1	-	1	-	-	-	-	-	-	-	-	-
26	1	-	1	-	-	-	-	-	-	-	-	-
27	-	-	-	4	-	4	2	-	2	-	-	1
28	2	-	2	11	-	11	6	-	6	2	-	2
29	3	-	3	4	1	5	6	-	6	9	1	10
30	13	-	13	20	3	23	28	4	32	21	1	23
31	48	4	52	31	9	41	44	13	57	44	14	58
32	79	23	101	97	39	136	65	36	101	57	33	90
33	79	53	132	91	70	161	93	51	143	63	52	115
34	81	64	145	89	76	165	64	82	146	76	56	132
35	59	51	110	60	64	123	43	69	112	68	52	121
36	52	42	95	38	45	83	30	57	88	79	45	124
37	29	42	71	24	48	72	31	50	81	55	35	90
38	23	46	69	11	40	52	18	41	59	19	30	49
39	9	35	44	3	30	34	15	39	54	27	29	56
40	6	35	41	4	25	30	5	17	22	10	38	48
41	2	35	37	1	22	23	3	25	27	5	28	33
42	3	33	36	2	14	16	-	16	17	6	13	19
43	-	17	18	-	8	8	-	18	19	2	11	12
44	1	9	10	-	4	4	-	10	11	-	4	4
45	-	9	9	-	3	3	-	4	4	-	6	6
46	-	4	4	-	1	1	-	5	5	-	1	1
47	-	2	2	-	2	2	-	1	1	-	1	1
48	-	2	2	-	2	2	-	1	1	-	3	3
49	-	-	-	-	1	1	-	2	2	-	-	-
50	-	-	-	-	-	-	-	2	2	-	-	-
51	-	1	1	-	-	-	-	-	-	-	4	4
Total ‰	492	508	1000	491	509	1000	458	542	1000	544	456	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	13	13	13	8	8	8	11	11	11	9	9	9
Number of Fish Measured	684	810	1494	408	548	956	546	662	1208	634	611	1265
Mean Length (cm)	34.00	37.37	35.71	33.47	36.09	34.81	33.64	36.54	35.21	34.53	36.61	35.48
Mean Weight (kg)	0.36	0.49	0.43	0.34	0.44	0.39	0.34	0.46	0.41	0.37	0.55	0.45
Total Weight Landed (tons)	650	930	1580	554	743	1297	522	818	1340	681	856	1537
Estimated Number Landed	18235 ¹	18803 ¹	37038 ¹	16377 ¹	17007 ¹	33384 ¹	15215 ¹	17868 ¹	32983 ¹	18632 ¹	15617 ¹	34249 ¹
Mesh (mm) or Hook (no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	10-34	-	-	20-50	-	-	9-37	-	-	23-45

¹ Numbers in 100's

TABLE 119
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - 5Z - 1962

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	May			June			July			August		
MONTH												
COUNTRY	United States											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-499											
26	-	-	-	3	-	3	-	-	-	-	-	-
27	-	-	-	1	-	1	-	-	-	-	-	-
28	1	-	1	11	-	11	-	-	-	3	-	3
29	2	-	2	20	-	20	7	-	7	5	1	6
30	11	-	11	57	-	57	21	2	23	21	1	22
31	31	7	39	71	16	87	13	4	17	37	9	46
32	45	25	70	76	21	97	23	7	30	59	28	87
33	88	36	124	72	50	122	49	8	58	62	48	109
34	93	52	145	62	44	106	55	40	94	57	59	116
35	67	52	118	58	53	112	57	45	102	49	61	110
36	42	55	97	43	26	69	43	76	119	53	69	122
37	47	49	95	21	42	63	32	73	105	30	68	98
38	16	44	59	8	40	48	17	73	90	18	62	80
39	12	39	51	18	39	57	7	106	113	7	51	58
40	9	44	53	10	20	30	7	51	58	5	40	44
41	6	27	33	11	25	36	-	52	52	4	34	38
42	2	31	32	2	29	31	1	39	40	1	17	18
43	2	23	25	2	17	19	-	37	37	1	17	18
44	1	14	15	-	13	13	-	16	16	1	9	10
45	-	9	9	-	7	7	-	13	13	-	4	4
46	-	7	7	-	4	4	-	13	13	-	3	3
47	-	7	7	-	4	4	-	4	4	-	3	3
48	-	2	2	-	2	2	-	3	3	-	1	1
49	-	1	1	-	2	2	-	2	2	-	1	1
50	-	1	1	-	-	-	-	-	-	-	-	-
51	-	1	1	-	-	-	-	1	1	-	1	1
52	-	-	-	-	-	-	-	1	1	-	1	1
53	-	-	-	-	-	-	-	-	-	-	1	1
54	-	1	1	-	-	-	-	-	-	-	-	-
Total ‰	472	528	1000	545	455	1000	333	667	1000	412	588	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	13	13	13	5	5	5	8	8	8	14	14	14
Number of Fish Measured	778	834	1612	309	311	620	281	559	840	746	1028	1774
Mean Length (cm)	34.43	37.76	36.19	33.35	37.30	35.15	34.43	38.71	37.29	34.02	37.08	35.82
Mean Weight (kg)	0.36	0.61	0.49	0.33	0.59	0.44	0.36	0.54	0.49	0.35	0.48	0.43
Total Weight Landed (tons)	538	1019	1557	579	861	1440	514	1556	2070	792	1550	2342
Estimated Number Landed	14901 ¹	16691 ¹	31592 ¹	17590 ¹	14681 ¹	32272 ¹	14228 ¹	28490 ¹	42718 ¹	22614 ¹	32276 ¹	54890 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	6-46	-	-	23-42	-	-	25-40	-	-	19-40

¹ Numbers in 100's

TABLE 119
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - 52 - 1962

(FREQUENCIES IN %/OO - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	CATCHES/LANDINGS											
MONTH	September			October			November			December		
COUNTRY	United States											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-499											
25	-	-	-	-	-	-	-	-	-	1	-	1
26	1	-	1	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	1	-	1
29	2	-	2	6	1	7	-	-	-	6	1	7
30	11	3	14	9	3	13	13	-	13	24	2	26
31	27	10	37	19	6	24	28	1	29	52	12	64
32	30	16	47	47	29	76	89	20	109	91	31	122
33	29	38	67	58	40	98	76	44	120	72	29	101
34	46	85	131	75	77	152	100	58	158	82	53	135
35	37	89	126	46	93	139	56	85	141	61	62	123
36	35	77	111	38	100	138	37	80	118	27	52	79
37	25	89	114	14	94	108	28	88	116	30	65	96
38	14	88	102	10	70	80	17	57	75	18	42	60
39	15	59	74	4	47	50	10	28	39	14	34	49
40	3	63	66	2	45	46	-	30	30	8	23	31
41	4	39	43	1	30	31	2	16	17	5	23	28
42	1	25	26	-	15	15	-	13	13	-	8	8
43	-	14	14	1	7	8	-	8	8	1	18	19
44	-	6	6	-	6	6	-	7	7	-	12	12
45	1	5	6	-	3	3	-	1	1	1	12	13
46	-	8	8	-	1	1	-	3	3	-	13	13
47	-	3	3	-	3	3	-	-	-	-	5	5
48	-	1	1	-	1	1	-	1	1	-	6	6
49	-	-	-	-	-	-	-	-	-	-	1	1
50	-	1	1	-	-	-	-	-	-	-	-	-
51	-	1	1	-	-	-	-	-	-	-	2	2
Total %/oo	280	720	1000	330	670	1000	458	542	1000	495	505	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	10	10	10	11	11	11	10	10	10	10	10	10
Number of Fish Measured	340	873	1213	481	982	1463	507	643	1150	595	618	1213
Mean Length (cm)	34.52	37.21	36.46	33.90	36.65	35.75	33.91	36.59	35.36	33.78	37.32	35.57
Mean Weight (kg)	0.37	0.49	0.45	0.33	0.43	0.39	0.33	0.43	0.38	0.32	0.46	0.39
Total Weight Landed (tons)	550	1869	2419	665	1782	2447	984	1525	2509	913	1332	2248
Estimated Number Landed	15055 ¹	38652 ¹	53707 ¹	20477 ¹	41653 ¹	62131 ¹	30276 ¹	35878 ¹	66154 ¹	28225 ¹	28747 ¹	56972 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	20-37	-	-	18-39	-	-	5-38	-	-	2-35

¹ Numbers in 100's

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		January						February					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1960	2	9	-	9	29.34	31.00	29.40	22	1	23	28.53	31.00	28.55
1959	3	339	279	618	33.10	34.79	33.86	355	345	700	32.91	34.50	33.70
1958	4	125	179	304	36.06	39.62	38.16	103	137	240	35.60	38.91	37.49
1957	5	11	35	46	38.54	42.09	41.24	8	19	27	38.08	41.52	40.52
1956	6	6	10	16	38.95	44.95	42.70	2	5	7	38.22	45.47	43.11
1955	7	1	4	5	40.95	47.00	45.78	-	2	2	40.38	47.22	46.23
1954	8	-	2	2	43.00	50.72	50.22	-	1	1	-	48.08	48.08
1953	9	-	-	-	-	-	-	-	-	-	-	51.50	51.50
Total ‰		491	509	1000				490	510	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				8	8	8			
Number of Fish Aged		306	324	630				197	200	397			
Mean Age		3.33	3.60	3.46				3.21	3.40	3.31			
Mean Weight (kg)		0.36	0.49	0.43				0.34	0.44	0.39			
Total Weight Landed (tons)		650	930	1580				554	743	1297			
Estimated Number Landed		18235 ¹	18803 ¹	37038 ¹				16377 ¹	17007 ¹	33384 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	10-34				-	-	20-50			

¹ Numbers in 100's

TABLE 120
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1962

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		March						April					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1960	2	84	1	85	31.17	31.00	31.17	21	3	24	29.82	33.58	30.29
1959	3	255	346	601	33.09	34.62	33.98	350	306	656	33.52	35.05	34.24
1958	4	105	155	260	35.86	39.14	37.82	122	105	227	36.26	39.42	37.72
1957	5	11	27	38	38.20	42.11	40.97	40	25	65	38.05	40.32	38.92
1956	6	2	7	9	39.75	45.28	44.04	8	11	19	39.48	44.16	42.19
1955	7	1	3	4	39.74	46.76	45.01	3	1	4	40.50	46.02	42.12
1954	8	-	2	2	43.00	48.28	48.06	-	4	4	-	49.59	49.59
1953	9	-	1	1	-	50.00	50.00	-	1	1	-	48.00	48.00
Total ‰		458	542	1000				544	456	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		10	10	10				9	9	9			
Number of Fish Aged		238	251	489				225	225	450			
Mean Age		3.12	3.47	3.31				3.40	3.47	3.43			
Mean Weight (kg)		0.34	0.46	0.41				0.37	0.55	0.45			
Total Weight Landed (tons)		522	818	1340				681	856	1537			
Estimated Number Landed		15115 ¹	17868 ¹	32983 ¹				18632 ¹	15617 ¹	34249 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	9-37				-	-	25-45			

¹ Numbers in 100's

TABLE 120
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1962

(FREQUENCIES IN %/oo)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		May						June					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	%oo Frequency			Mean Length			%oo Frequency			Mean Length		
		00	00	Tot.	00	00	Tot.	00	00	Tot.	00	00	Tot.
1960	2	11	2	13	30.59	33.74	31.07	49	2	51	29.19	33.61	29.37
1959	3	323	308	631	33.70	35.60	34.68	375	281	656	32.82	35.24	33.86
1958	4	102	133	235	35.94	39.88	38.17	85	116	201	36.06	39.60	38.10
1957	5	27	49	76	37.56	40.33	39.34	26	30	56	38.29	41.25	39.88
1956	6	7	24	31	40.23	44.73	43.71	7	17	24	40.13	44.56	43.25
1955	7	2	8	10	41.53	46.25	45.31	3	6	9	41.51	46.02	44.51
1954	8	-	2	2	-	46.88	46.88	-	2	2	-	46.13	46.13
1953	9	-	1	1	-	48.41	48.41	-	1	1	-	48.68	48.68
1952	10	-	1	1	-	54.00	54.00	-	-	-	-	-	-
Total %oo		472	528	1000				545	455	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		10	10	10				5	5	5			
Number of Fish Aged		247	249	496				112	125	237			
Mean Age		3.37	3.67	3.53				3.22	3.58	3.39			
Mean Weight (kg)		0.36	0.61	0.49				0.33	0.59	0.44			
Total Weight Landed (tons)		538	1019	1557				579	861	1440			
Estimated Number Landed		14901 ¹	16691 ¹	31592 ¹				17590 ¹	14681 ¹	32272 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	6-46				-	-	23-42			

¹ Numbers in 100's

TABLE 120
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - SZ - 1962

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		July						August					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		80 ^a	90 ^b	Tot.	80 ^a	90 ^b	Tot.	80 ^a	90 ^b	Tot.	80 ^a	90 ^b	Tot.
1960	2	99	60	159	32.13	34.47	33.01	146	104	250	31.97	33.77	32.72
1959	3	177	385	562	34.80	37.61	36.72	207	360	567	34.58	36.69	35.70
1958	4	50	152	202	37.09	39.72	39.07	51	93	144	37.17	39.99	37.70
1957	5	6	43	49	38.18	43.74	43.06	5	19	24	37.75	43.31	42.15
1956	6	1	19	20	42.00	45.55	45.48	2	8	10	40.50	45.27	44.47
1955	7	-	5	5	42.00	46.83	46.51	1	2	3	41.30	46.87	45.70
1954	8	-	1	1	-	49.00	49.00	-	1	1	-	49.00	49.00
1953	9	-	1	1	-	51.00	51.00	-	1	1	-	51.00	51.00
1952	10	-	1	1	-	51.00	51.00	-	-	-	-	51.00	51.00
Total ‰		333	667	1000				412	588	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		7	7	7				14	14	14			
Number of Fish Aged		159	174	333				349	350	699			
Mean Age		2.90	3.41	3.24				2.82	3.12	3.00			
Mean Weight (kg)		0.36	0.54	0.49				0.35	0.48	0.43			
Total Weight Landed (tons)		514	1556	2070				792	1550	2342			
Estimated Number Landed		14228 ¹	28490 ¹	42718 ¹				22614 ¹	32276 ¹	54890 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	25-40				-	-	19-40			

¹ Numbers in 100's

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	April			May			June			July		
MONTH	United States											
COUNTRY	0-310											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-310											
18	-	-	-	2	2	3	-	-	-	-	-	-
20	-	-	-	-	2	2	-	1	1	-	-	-
22	2	-	2	3	3	7	-	-	-	-	-	-
24	19	12	31	11	3	14	14	4	18	14	1	15
26	52	33	84	64	42	106	43	5	48	108	5	113
28	180	54	234	130	51	181	157	48	205	216	47	263
30	148	107	255	166	79	246	154	71	226	167	80	247
32	35	96	131	81	81	162	88	88	176	92	80	173
34	8	23	31	20	62	81	26	81	108	17	66	83
36	8	12	19	3	47	51	5	52	57	2	35	37
38	19	6	25	-	30	30	-	49	49	-	16	16
40	19	10	29	2	36	38	-	26	26	-	10	10
42	27	4	31	-	8	8	-	18	18	-	12	12
44	54	2	56	-	23	23	-	10	10	-	7	7
46	33	-	33	-	12	12	-	8	8	-	3	3
48	8	10	18	-	9	9	-	8	8	-	1	1
50	-	2	2	-	8	8	-	11	11	-	2	2
52	-	8	8	-	5	5	-	11	11	-	5	5
54	6	4	10	-	6	6	-	11	11	-	6	6
56	4	-	4	-	5	5	-	7	7	-	3	3
58	-	-	-	-	2	2	-	-	-	-	1	1
60	-	-	-	-	3	3	-	2	2	-	1	1
62	-	-	-	-	-	-	-	1	1	-	-	-
Total ‰	620	380	1000	482	518	1000	488	512	1000	617	383	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	5	5	5	6	6	6	11	11	11	17	17	17
Number of Fish Measured	323	198	521	299	333	632	592	523	1115	1016	632	1648
Mean Length (cm)	33.35	32.43	33.00	29.78	35.10	32.53	29.97	36.26	33.19	29.38	34.51	31.35
Mean Weight (kg)	0.28	0.27	0.27	0.18	0.34	0.26	0.19	0.37	0.28	0.17	0.29	0.21
Total Weight Landed (tons)	332	194	526	281	568	849	2567	5208	7775	5990	6509	12499
Estimated Number Landed	11933 ¹	7315 ¹	19249 ¹	15729 ¹	16928 ¹	32657 ¹	135914 ¹	142550 ¹	278464 ¹	360528 ¹	224138 ¹	584665 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	65-140	-	-	30-120	-	-	15-50	-	-	16-60

¹ Numbers in 100's

TABLE 121
(Cont'd)

LENGTH FREQUENCIES - SILVER HAKE - 5 - 1963

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	August			September			October			November		
MONTH	United States											
COUNTRY												
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-310											
20	-	-	-	-	-	-	-	-	-	-	2	2
22	3	-	3	1	3	4	7	2	9	12	2	14
24	6	2	8	6	2	8	26	2	28	26	7	33
26	73	11	84	65	10	75	35	9	44	21	9	31
28	216	64	280	183	61	244	179	40	219	92	9	101
30	158	115	272	167	150	316	195	119	314	230	61	291
32	44	118	162	47	113	160	67	130	198	85	77	162
34	7	82	89	11	77	88	9	77	86	19	70	89
36	4	29	33	1	33	34	-	33	33	-	59	59
38	-	20	20	-	22	22	2	19	21	-	40	40
40	-	16	16	-	9	9	-	7	7	-	49	49
42	-	8	8	-	6	6	-	7	7	-	40	40
44	-	5	5	-	3	3	-	2	2	-	21	21
46	-	1	1	-	9	9	-	7	7	-	21	21
48	-	6	6	-	6	6	-	5	5	-	7	7
50	-	3	3	-	3	3	-	-	-	-	12	12
52	-	2	2	-	4	4	-	5	5	-	7	7
54	-	4	4	-	1	1	-	2	2	-	5	5
56	-	3	3	-	-	-	-	2	2	-	-	-
58	-	-	-	-	3	3	-	7	7	-	-	-
60	-	-	-	-	-	-	-	-	-	-	9	9
62	-	1	1	-	3	3	-	2	2	-	5	5
64	-	-	-	-	-	-	-	-	-	-	2	2
66	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	2	2	-	2	2	-	-	-
Total ‰	512	488	1000	480	520	1000	521	479	1000	484	516	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	6	6	6	7	7	7	4	4	4	4	4	4
Number of Fish Measured	335	310	645	351	376	727	224	206	430	206	220	426
Mean Length (cm)	29.24	33.48	31.31	29.42	33.58	31.58	29.51	34.09	31.70	29.94	37.69	33.94
Mean Weight (kg)	0.16	0.26	0.21	0.17	0.28	0.23	0.16	0.28	0.22	0.17	0.37	0.27
Total Weight Landed (tons)	3003	4546	7549	1182	2142	3324	1609	2489	4098	366	839	1205
Estimated Number Landed	183779 ¹	175296 ¹	359074 ¹	69904 ¹	75764 ¹	145667 ¹	97992 ¹	90117 ¹	188109 ¹	21389 ¹	22842 ¹	44231 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	20-50	-	-	30-60	-	-	40-50	-	-	40-50

¹ Numbers in 100's

TABLE 122

LENGTH FREQUENCIES - YELLOWTAIL - 5Z - 1963

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	January			February			March			April		
MONTH	United States											
COUNTRY	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
SEX	0-499											
TONNAGE												
26	-	-	-	-	-	-	1	-	1	-	-	-
27	-	-	-	-	-	-	-	-	-	2	-	2
28	2	-	2	-	-	-	2	-	2	2	-	2
29	10	-	10	4	1	5	3	1	4	2	-	2
30	22	2	24	15	4	19	16	2	18	9	1	10
31	66	10	77	48	14	62	50	6	55	34	9	43
32	87	34	120	81	42	123	84	21	106	89	28	117
33	72	38	110	94	45	139	92	43	135	87	63	150
34	85	43	128	84	64	147	77	67	143	89	68	157
35	63	52	115	75	63	138	60	59	119	55	72	127
36	44	56	100	45	49	94	43	54	97	48	56	103
37	32	70	101	18	43	61	35	65	100	38	60	97
38	16	55	71	19	49	68	14	31	45	21	50	71
39	13	33	46	11	37	48	10	28	37	8	32	40
40	7	27	34	4	24	29	11	25	37	4	19	23
41	3	17	20	3	25	27	3	22	25	4	17	21
42	4	13	18	2	11	13	2	25	27	1	8	8
43	1	8	10	-	7	7	1	16	17	-	7	7
44	1	4	5	1	6	7	-	11	11	-	9	9
45	-	3	4	-	8	8	-	7	7	-	5	5
46	-	3	3	-	1	1	-	5	5	-	2	2
47	-	2	2	-	2	2	-	3	3	-	2	2
48	-	1	1	-	1	1	-	1	1	-	-	-
49	-	-	1	-	-	-	-	3	3	-	1	1
50	1	1	1	-	-	-	-	-	-	-	-	-
Total ‰	527	473	1000	504	496	1000	504	496	1000	491	509	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	13	13	13	11	11	11	10	10	10	8	8	8
Number of Fish Measured	861	770	1631	703	705	1408	568	591	1159	501	543	1044
Mean Length (cm)	33.85	36.63	35.16	33.89	36.34	35.10	33.92	37.04	35.47	34.00	36.26	35.15
Mean Weight (kg)	0.35	0.46	0.40	0.35	0.45	0.40	0.35	0.48	0.42	0.34	0.53	0.44
Total Weight Landed (tons)	1375	1599	2974	1028	1288	2316	1219	1624	2843	975	1532	2507
Estimated Number Landed	38987 ¹	34944 ¹	73931 ¹	29227 ¹	28775 ¹	58002 ¹	34439 ¹	33852 ¹	68292 ¹	28216 ¹	29193 ¹	57409 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	10-31	-	-	20-31	-	-	8-35	-	-	26-44

¹ Numbers in 100's

TABLE 122
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - SZ - 1963

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	May			June			July			August		
MONTH	United States											
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	0-499											
TONNAGE												
26	3	-	3	1	-	1	-	-	-	-	-	-
27	1	-	1	-	-	-	1	-	1	-	-	-
28	1	-	1	2	-	2	2	-	2	-	-	-
29	3	-	3	4	1	5	2	-	2	-	-	-
30	10	3	12	12	2	14	9	-	9	4	-	4
31	21	11	32	22	4	25	24	1	25	4	2	7
32	51	36	87	43	14	57	29	5	34	21	-	21
33	79	72	151	50	48	98	45	18	63	45	16	61
34	63	79	142	82	67	149	51	54	105	58	39	97
35	59	60	119	52	61	113	38	67	105	65	64	129
36	33	58	91	32	68	101	25	96	121	52	111	163
37	31	59	91	10	97	106	21	109	130	27	101	128
38	17	53	70	11	91	102	9	106	115	24	100	124
39	9	43	52	6	76	82	3	89	92	3	101	105
40	7	43	56	1	53	53	4	73	77	9	57	66
41	2	23	26	-	29	29	1	46	47	1	31	33
42	1	23	24	-	30	30	-	30	30	2	29	31
43	3	17	20	-	10	10	-	13	13	1	17	18
44	1	6	6	-	9	9	-	9	9	-	6	6
45	1	5	6	-	6	6	-	9	9	-	3	3
46	1	4	5	-	5	5	-	4	4	-	2	2
47	-	4	4	-	2	2	-	3	3	-	1	1
48	-	1	1	-	-	-	-	1	1	-	-	-
49	-	1	1	-	1	1	-	1	1	-	-	-
50	-	2	2	-	1	1	-	1	1	-	-	-
51	-	1	1	-	1	1	-	1	1	-	-	-
52	-	1	1	-	-	-	-	-	-	-	-	-
Total ‰	397	603	1000	328	672	1000	263	737	1000	317	683	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	6	6	6	10	10	10	13	13	13	6	6	6
Number of Fish Measured	425	659	1084	440	881	1321	460	1206	1666	220	456	676
Mean Length (cm)	34.27	36.71	35.75	33.80	37.35	36.18	33.93	37.89	36.85	35.05	37.75	36.89
Mean Weight (kg)	0.36	0.55	0.48	0.34	0.58	0.50	0.34	0.51	0.47	0.38	0.50	0.46
Total Weight Landed (tons)	882	2080	2962	517	1809	2326	688	2819	3507	933	2655	3588
Estimated Number Landed	24734 ¹	37641 ¹	62376 ¹	15278 ¹	31260 ¹	46537 ¹	19831 ¹	55437 ¹	75268 ¹	24644 ¹	53049 ¹	77693 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	25-42	-	-	20-46	-	-	18-44	-	-	20-42

¹ Numbers in 100's

TABLE 122 LENGTH FREQUENCIES - YELLOWTAIL - SZ - 1963
 (Cont'd)

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	September			October			November			December		
MONTH	United States											
COUNTRY												
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-499											
27	-	-	-	-	-	-	-	-	-	1	-	1
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	1	-	1	1	-	-	-	-	-
30	13	-	13	3	1	4	9	1	10	1	-	1
31	22	-	22	19	5	24	16	4	19	10	2	11
32	39	5	44	38	12	50	53	11	65	38	5	42
33	43	13	55	55	24	79	66	26	93	65	12	78
34	61	33	94	57	25	82	75	28	103	74	31	105
35	44	62	107	84	44	128	63	41	104	81	46	127
36	46	79	125	49	68	117	64	44	107	69	52	121
37	24	101	125	39	105	144	56	55	111	48	60	107
38	18	102	120	18	99	117	30	74	104	30	68	97
39	14	81	95	10	91	101	22	83	105	21	59	79
40	5	68	73	2	51	53	11	57	68	7	74	81
41	2	53	55	1	42	43	2	47	49	5	61	66
42	-	33	33	-	29	29	1	25	26	2	36	38
43	-	17	17	-	12	12	-	22	22	-	17	17
44	1	8	9	-	10	10	-	5	5	-	8	8
45	-	4	4	-	1	1	-	2	2	-	8	8
46	-	5	5	-	3	3	-	3	3	-	4	4
47	-	1	1	-	1	1	-	2	2	-	4	4
48	-	1	1	-	2	2	-	1	1	-	1	1
49	-	1	1	-	-	-	-	-	-	-	1	1
50	-	-	-	-	-	-	-	-	-	-	1	1
Total ‰	333	667	1000	377	623	1000	468	532	1000	450	550	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	10	10	10	14	14	14	12	12	12	11	11	11
Number of Fish Measured	402	798	1200	707	997	1704	658	754	1412	555	701	1256
Mean Length (cm)	34.50	38.12	36.92	34.63	37.85	36.64	34.90	38.07	36.58	35.10	38.53	36.99
Mean Weight (kg)	0.36	0.52	0.47	0.34	0.47	0.43	0.35	0.49	0.42	0.36	0.50	0.44
Total Weight Landed (tons)	889	2533	3422	1121	2551	3672	996	1555	2551	910	1567	2477
Estimated Number Landed	24437 ¹	48988 ¹	73425 ¹	32577 ¹	53840 ¹	86416 ¹	28282 ¹	32127 ¹	60409 ¹	25458 ¹	31096 ¹	56554 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	22-37	-	-	21-43	-	-	7-36	-	-	10-40

¹ Numbers in 100's

TABLE 123

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1963

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		January						February					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1961	2	4	-	4	28.57	-	28.57	1	-	1	29.00	-	29.00
1960	3	323	258	581	32.80	34.94	33.77	309	291	600	32.99	34.59	33.77
1959	4	165	168	333	34.99	37.91	36.53	165	156	321	34.62	37.82	36.09
1958	5	29	36	65	37.94	41.96	40.18	26	39	65	37.65	41.41	39.88
1957	6	4	8	12	39.23	44.53	42.81	3	8	11	38.61	44.47	42.82
1956	7	2	2	4	43.40	44.91	44.15	-	1	1	43.00	44.14	43.86
1955	8	-	1	1	39.00	48.40	46.58	-	1	1	39.00	48.13	46.59
1954	9	-	-	-	-	-	-	-	-	-	-	-	-
1953	10	-	-	-	45.00	50.00	48.33	-	-	-	45.00	50.81	49.65
Total ‰		527	473	1000				504	496	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				11	11	11			
Number of Fish Aged		324	325	649				275	274	549			
Mean Age		3.45	3.59	3.52				3.45	3.54	3.49			
Mean Weight (kg)		0.35	0.46	0.40				0.35	0.45	0.40			
Total Weight Landed (tons)		1375	1599	2974				1028	1288	2316			
Estimated Number Landed		38987 ¹	34944 ¹	73931 ¹				29227 ¹	28775 ¹	58002 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	10-31				-	-	20-31			

¹ Numbers in 100's

TABLE 123
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1963

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		March						April					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1961	2	4	-	4	27.61	-	27.61	13	-	13	30.12	-	30.12
1960	3	304	261	565	32.94	34.73	33.77	270	344	614	33.17	35.15	34.30
1959	4	164	162	326	35.00	37.87	36.36	165	122	287	34.86	37.60	36.02
1958	5	28	52	80	38.26	42.20	40.83	41	33	74	37.00	41.83	39.12
1957	6	3	14	17	38.78	44.34	43.43	3	7	10	38.78	44.78	42.95
1956	7	1	3	4	43.00	44.28	44.04	-	2	2	-	45.40	45.40
1955	8	-	4	4	39.00	48.59	48.06	-	-	-	-	49.00	49.00
1954	9	-	-	-	-	-	-	-	-	-	-	49.00	49.00
1953	10	-	-	-	45.00	-	45.00	-	-	-	-	-	-
Total ‰		504	496	1000				492	508	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		10	10	10				8	8	8			
Number of Fish Aged		247	247	494				198	204	402			
Mean Age		3.45	3.69	3.57				3.49	3.43	3.46			
Mean Weight (kg)		0.35	0.48	0.42				0.34	0.53	0.44			
Total Weight Landed (tons)		1219	1624	2843				975	1532	2507			
Estimated Number Landed		34439 ¹	33852 ¹	68292 ¹				28216 ¹	29193 ¹	57409 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	8-35				-	-	26-44			

¹ Numbers in 100's

TABLE 123
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - SZ - 1963

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		May						June					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		80	90	Tot.	80	90	Tot.	80	90	Tot.	80	90	Tot.
1961	2	10	-	10	30.12	-	30.12	11	-	11	30.30	-	30.30
1960	3	207	383	590	33.23	35.02	34.35	187	387	574	33.08	35.99	35.04
1959	4	131	159	290	34.85	38.25	36.71	109	211	320	34.43	38.39	37.04
1958	5	38	48	86	37.16	41.65	39.67	22	58	80	36.39	41.32	39.96
1957	6	6	10	16	38.00	44.74	42.21	1	10	11	37.75	44.38	43.78
1956	7	1	4	5	46.00	45.07	45.20	-	3	3	-	45.21	45.21
1955	8	-	1	1	-	48.33	48.33	-	-	-	-	49.00	49.00
1954	9	-	1	1	-	51.32	51.32	-	-	-	-	49.00	49.00
1953	10	-	1	1	-	51.00	51.00	-	1	1	-	51.00	51.00
Total ‰		393	607	1000				330	670	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		9	9	9				10	10	10			
Number of Fish Aged		225	249	474				225	250	475			
Mean Age		3.56	3.53	3.54				3.44	3.56	3.52			
Mean Weight (kg)		0.36	0.55	0.48				0.34	0.58	0.50			
Total Weight Landed (tons)		882	2080	2962				517	1809	2326			
Estimated Number Landed		24734 ¹	37641 ¹	62376 ¹				15278 ¹	31260 ¹	46537 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	25-42				-	-	20-46			

¹ Numbers in 100's

TABLE 123
(Cont'd)

AGE FREQUENCIES -- YELLOWTAIL -- 52 -- 1963

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		July					August						
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		80'	90'	Tot.	80'	90'	Tot.	80'	90'	Tot.	80'	90'	Tot.
1961	2	66	44	110	31.75	34.48	32.84	42	35	77	32.88	34.70	33.70
1960	3	135	464	599	34.50	37.31	36.68	175	445	620	35.11	37.30	36.68
1959	4	58	176	234	35.23	39.11	38.15	88	165	253	35.61	38.99	38.09
1958	5	5	40	45	37.00	41.24	40.78	9	30	43	37.40	41.04	40.28
1957	6	-	6	6	-	43.95	43.95	2	3	5	42.43	43.12	42.85
1956	7	-	3	3	-	44.82	44.82	-	2	2	-	44.15	44.15
1955	8	-	2	2	-	48.67	48.67	-	-	-	-	-	-
1954	9	-	1	1	-	51.00	51.00	-	-	-	-	-	-
Total ‰		264	736	1000				316	684	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				6	6	6			
Number of Fish Aged		296	325	621				139	150	289			
Mean Age		3.01	3.35	3.26				3.22	3.31	3.28			
Mean Weight (kg)		0.34	0.51	0.47				0.38	0.50	0.46			
Total Weight Landed (tons)		688	2819	3507				933	2655	3588			
Estimated Number Landed		19831 ¹	55437 ¹	75265 ¹				24644 ¹	53049 ¹	77693 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	18-44				-	-	20-42			

¹ Numbers in 100's

TABLE 126 LENGTH FREQUENCIES - RED HAKE - 52 - 1963

(FREQUENCIES IN %/oo - 1 CM GROUPS)

YEAR	Otter Trawl (Commercial)			
	Landings			
CATCHES/LANDINGS	May	June	July	August
MONTH	United States			
COUNTRY	0-215			
TONNAGE				
15	-	-	1	-
16	-	-	1	-
17	1	-	6	-
18	1	-	6	3
19	1	3	13	3
20	1	-	32	15
21	1	3	34	40
22	2	6	40	62
23	8	16	55	79
24	5	33	68	71
25	12	48	84	57
26	9	90	92	71
27	18	89	122	61
28	25	77	107	59
29	32	83	69	59
30	43	86	59	57
31	87	87	48	62
32	118	89	44	69
33	122	90	26	56
34	128	78	21	47
35	108	47	18	39
36	98	23	18	36
37	54	24	10	6
38	40	8	8	20
39	26	6	4	8
40	17	7	5	2
41	10	2	-	2
42	5	2	4	6
43	8	-	3	2
44	5	1	2	2
45	3	2	-	-
46	3	-	-	2
47	2	-	-	-
48	4	-	-	-
49	1	-	-	2
50	1	-	-	-
51	1	-	-	-
Total %/oo	1000	1000	1000	1000
Serial Numbers	-	-	-	-
Number of Samples	14	5	5	6
Number of Fish Measured	1400	663	681	440
Mean Length (cm)	33.64	30.14	26.80	28.52
Mean Weight (kg)	0.27	0.21	0.16	0.18
Total Weight Landed (tons)	575	4244	3289	1575
Estimated Number Landed	21413 ¹	202469 ¹	209074 ¹	86310 ¹
Mesh(mm) or Hook(no.) Size	64	64	64	64
Range of Depths (fm)	3-32	8-30	16-30	8-31

¹ Numbers in 100's

TABLE 125 LENGTH FREQUENCIES - SILVER HAKE - 5 - 1964

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	April			May			June			July		
MONTH	United States											
COUNTRY	0-215											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-215											
20	-	-	-	-	-	-	2	-	2	-	-	-
22	-	19	19	30	15	45	12	5	16	-	-	-
24	49	39	87	20	15	35	22	12	34	10	-	10
26	107	68	175	15	5	20	39	15	54	99	10	109
28	194	29	223	10	5	15	91	25	116	139	-	139
30	146	29	175	164	40	204	192	54	246	257	40	297
32	78	58	136	95	134	229	121	130	251	99	109	208
34	-	68	68	40	129	169	19	97	117	20	79	99
36	-	29	29	-	90	90	2	61	63	-	40	40
38	-	-	-	-	45	45	-	24	24	-	20	20
40	10	-	10	-	20	20	-	23	23	-	10	10
42	10	19	29	5	5	10	-	13	13	-	10	10
44	-	10	10	-	25	25	-	5	5	-	10	10
46	-	-	-	-	20	20	-	4	4	-	10	10
48	-	-	-	-	20	20	-	9	9	-	20	20
50	-	19	19	-	15	15	-	4	4	-	-	-
52	-	-	-	-	5	5	-	8	8	-	10	10
54	-	10	10	-	20	20	-	2	2	-	-	-
56	-	-	-	-	5	5	-	6	6	-	10	10
58	-	10	10	-	10	10	-	2	2	-	-	-
Total ‰	592	408	1000	378	622	1000	501	499	1000	624	376	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	1	1	1	2	2	2	9	9	9	1	1	1
Number of Fish Measured	61	43	103	76	128	204	534	423	957	63	39	102
Mean Length (cm)	29.25	33.21	30.87	30.42	36.96	34.49	29.99	34.91	32.45	29.77	36.45	32.28
Mean Weight (kg)	0.18	0.32	0.24	0.20	0.38	0.31	0.19	0.34	0.26	0.19	0.37	0.25
Total Weight Landed (tons)	41	50	91	163	501	664	2176	3864	6040	6929	8285	15214
Estimated Number Landed	2277 ¹	1568 ¹	3845 ¹	8009 ¹	13173 ¹	21182 ¹	114189 ¹	113928 ¹	228117 ¹	372712 ¹	224810 ¹	597522 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	98-130	-	-	100-110	-	-	12-110	-	-	28-50

¹ Numbers in 100's

TABLE 125
(Cont'd)

LENGTH FREQUENCIES - SILVER HAKE - 5 - 1964

(FREQUENCIES IN % - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	August			September			October			November		
MONTH	United States											
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	0-215											
TONNAGE												
8	-	-	-	-	-	-	1	-	1	-	-	-
10	-	-	-	-	-	-	1	-	1	-	-	-
12	-	-	-	-	-	-	4	-	4	-	-	-
14	-	-	-	-	-	-	4	-	4	-	-	-
16	-	-	-	-	-	-	2	1	3	-	-	-
18	1	-	1	3	1	4	4	-	4	4	-	4
20	7	-	7	5	-	5	2	-	2	12	-	12
22	24	10	34	4	1	5	3	-	3	18	2	20
24	57	5	62	33	1	4	8	6	14	12	8	20
26	136	12	148	98	16	34	57	25	82	44	8	52
28	99	26	125	147	26	113	136	61	197	161	24	185
30	114	67	181	145	66	173	139	91	230	155	56	210
32	55	145	200	71	144	211	76	129	204	60	133	192
34	10	75	85	20	102	215	18	92	110	18	85	103
36	10	66	76	2	43	122	2	52	54	-	83	83
38	-	37	37	-	17	17	1	19	20	2	32	34
40	-	2	2	1	11	12	2	7	9	-	20	20
42	-	4	4	-	7	7	-	15	15	-	8	8
44	-	11	11	-	6	6	-	6	6	-	6	6
46	-	4	4	-	4	4	-	5	5	-	10	10
48	-	6	6	-	6	6	-	5	5	-	10	10
50	-	9	9	-	8	8	-	7	7	-	6	6
52	-	-	-	-	3	3	-	3	3	-	6	6
54	-	1	1	-	4	4	-	6	6	-	10	10
56	-	6	6	-	4	4	-	5	5	-	2	2
58	-	2	2	-	2	2	-	3	3	-	8	8
Total %/oo	512	488	1000	529	471	1000	461	539	1000	484	516	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	6	6	6	10	10	10	10	10	10	5	5	5
Number of Fish Measured	321	290	611	616	546	1162	444	525	969	244	265	509
Mean Length (cm)	28.26	34.36	31.23	29.06	34.50	31.62	29.21	34.04	31.81	29.11	35.72	32.52
Mean Weight (kg)	0.15	0.28	0.21	0.16	0.30	0.23	0.17	0.29	0.23	0.16	0.24	0.20
Total Weight Landed (tons)	3237	5800	9037	1572	2544	4116	894	1774	2668	533	852	1385
Estimated Number Landed	217173 ¹	207062 ¹	424236 ¹	95809 ¹	85206 ¹	181015 ¹	53207 ¹	62314 ¹	115521 ¹	32603 ¹	34741 ¹	67345 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	18-50	-	-	40-50	-	-	34-50	-	-	40-50

¹ Numbers in 100's

TABLE 126

LENGTH FREQUENCIES - YELLOWTAIL - SZ - 1964

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	January			February			March			April		
MONTH	United States											
COUNTRY	0-499											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-499											
27	1	-	1	-	-	-	-	-	-	-	-	-
28	1	-	1	-	-	-	-	-	-	-	-	-
29	1	-	1	-	-	-	1	-	1	1	-	1
30	3	-	3	-	-	-	2	-	2	1	-	1
31	4	1	5	6	1	7	4	-	4	-	-	-
32	15	9	24	14	1	15	7	1	8	13	-	13
33	39	11	50	27	10	37	33	8	40	23	1	25
34	66	39	106	68	21	89	40	40	79	40	6	46
35	62	36	98	73	30	103	60	52	111	55	21	76
36	56	44	101	84	56	141	77	53	130	69	28	97
37	65	51	116	62	54	117	60	42	102	73	36	109
38	60	77	137	61	59	120	49	64	113	67	48	115
39	28	60	88	26	67	93	23	73	96	43	51	94
40	16	66	82	15	63	78	15	74	89	26	65	91
41	8	60	69	8	59	67	5	54	58	15	72	87
42	3	34	37	2	41	42	4	62	66	2	72	74
43	3	34	38	3	41	45	-	41	41	4	50	54
44	-	16	16	1	19	20	2	23	26	2	43	45
45	-	13	13	-	12	12	-	14	14	-	30	30
46	-	7	7	-	5	5	-	19	19	3	21	24
47	-	4	4	-	5	5	-	4	4	-	6	6
48	-	3	3	-	2	2	-	4	4	-	9	9
49	-	1	1	-	1	1	-	1	1	-	1	1
50	-	2	2	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	1	1	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	2	2
Total %/oo	432	568	1000	451	549	1000	382	618	1000	437	563	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	13	13	13	14	14	14	16	16	16	10	10	10
Number of Fish Measured	591	767	1358	597	716	1313	584	857	1441	408	499	907
Mean Length (cm)	35.99	38.88	37.63	36.08	39.19	37.79	36.14	39.20	38.03	36.74	40.81	39.03
Mean Weight (kg)	0.43	0.56	0.50	0.43	0.58	0.51	0.43	0.58	0.52	0.44	0.78	0.64
Total Weight Landed (tons)	951	1643	2594	898	1466	2364	760	1648	2408	734	1669	2403
Estimated Number Landed	22302 ¹	29289 ¹	51591 ¹	20983 ¹	25535 ¹	46518 ¹	17647 ¹	28605 ¹	46252 ¹	16570 ¹	21346 ¹	37916 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	8-34	-	-	8-32	-	-	10-45	-	-	5-44

¹ Numbers in 100's

TABLE 126
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - 5Z - 1964

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	May			June			July			August		
MONTH												
COUNTRY	United States											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-499											
28	2	-	2	-	-	-	2	-	2	-	-	-
29	8	-	8	1	-	1	2	-	2	9	-	9
30	3	-	3	1	-	1	5	-	5	7	-	7
31	10	1	10	4	-	4	4	2	6	12	-	12
32	24	-	24	6	1	7	25	1	26	9	-	9
33	44	9	53	20	8	28	28	2	30	26	-	26
34	63	11	74	31	14	45	31	14	45	60	4	65
35	90	20	110	58	20	77	64	37	101	44	32	77
36	83	41	124	73	45	118	61	62	122	84	40	123
37	60	43	103	56	62	118	40	61	102	43	62	106
38	47	40	87	41	83	123	27	90	118	31	85	117
39	44	50	94	32	69	101	14	89	103	14	65	79
40	22	72	94	15	73	88	4	99	104	18	107	125
41	10	51	62	7	72	79	-	80	80	7	80	87
42	6	54	60	-	60	60	-	56	56	9	50	59
43	4	28	32	3	55	58	1	44	45	-	36	36
44	-	31	32	-	34	34	-	29	29	-	18	18
45	-	16	16	-	27	27	-	13	13	-	13	13
46	-	1	1	-	17	17	-	6	6	-	16	16
47	-	4	4	-	6	6	-	2	2	-	4	4
48	-	3	3	-	3	3	-	3	3	-	7	7
49	-	1	1	-	1	1	-	-	-	-	2	2
50	-	-	-	-	1	1	-	-	-	-	2	2
51	-	-	-	-	1	1	-	-	-	-	-	-
52	-	2	2	-	1	1	-	-	-	-	2	2
Total ‰	522	478	1000	348	652	1000	308	692	1000	373	627	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	15	15	15	8	8	8	12	12	12	3	3	3
Number of Fish Measured	423	420	843	248	465	713	240	524	764	116	198	314
Mean Length (cm)	35.84	39.76	37.72	36.32	39.99	38.71	35.27	39.38	38.11	35.63	39.84	38.27
Mean Weight (kg)	0.41	0.72	0.56	0.43	0.73	0.62	0.39	0.57	0.51	0.40	0.59	0.52
Total Weight Landed (tons)	1139	1821	2960	655	2124	2779	867	2882	3749	1092	2739	3831
Estimated Number Landed	27719 ¹	25422 ¹	53141 ¹	15497 ¹	29057 ¹	44554 ¹	22499 ¹	50492 ¹	72991 ¹	27445 ¹	46202 ¹	73647 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	30-58	-	-	31-52	-	-	18-40	-	-	19-36

¹ Numbers in 100's

TABLE 126
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - SZ - 1964

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	September			October			November			December		
MONTH	United States											
COUNTRY	0-499											
SEX	♂ ¹	♀	Tot.	♂ ¹	♀	Tot.	♂ ¹	♀	Tot.	♂ ¹	♀	Tot.
TONNAGE												
27	1	-	1	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	1	-	1	4	-	4	-	-	-	-	-	-
30	10	-	10	12	2	14	6	-	6	4	2	6
31	31	6	36	21	6	28	25	2	27	19	4	23
32	46	15	61	34	13	47	63	12	75	38	13	51
33	48	15	64	58	30	88	61	22	84	44	30	75
34	55	26	81	47	37	85	65	34	99	52	35	88
35	64	25	89	66	40	106	52	45	98	44	38	81
36	64	38	102	77	21	98	51	24	75	48	24	72
37	41	42	83	66	35	100	60	33	92	67	26	93
38	42	59	101	43	41	84	56	62	118	60	23	83
39	14	76	90	32	53	84	20	55	75	47	34	81
40	8	79	87	18	70	88	16	63	79	28	42	70
41	6	57	63	7	51	57	4	52	56	21	50	71
42	-	51	51	1	45	46	1	31	32	7	46	53
43	-	36	36	-	29	29	1	33	33	2	53	55
44	-	24	24	-	18	18	-	23	23	1	38	39
45	-	12	12	-	9	9	-	13	13	-	25	25
46	-	6	6	-	8	8	-	11	11	-	19	19
47	-	1	1	-	3	3	-	1	1	-	6	6
48	-	-	-	-	3	3	-	1	1	-	5	5
49	-	-	-	-	-	-	-	-	-	-	5	5
50	-	-	-	-	-	-	-	2	2	-	-	-
Total ‰	432	568	1000	486	514	1000	483	517	1000	481	519	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	9	9	9	9	9	9	9	9	9	14	14	14
Number of Fish Measured	434	600	1034	515	547	1062	481	480	961	646	703	1349
Mean Length (cm)	34.85	39.01	37.21	35.34	38.62	37.03	35.08	38.84	37.03	36.10	39.62	37.93
Mean Weight (kg)	0.37	0.56	0.48	0.37	0.51	0.44	0.36	0.52	0.44	0.39	0.56	0.48
Total Weight Landed (tons)	985	1933	2918	1534	2274	3808	1157	1806	2963	1152	1800	2952
Estimated Number Landed	26339 ¹	34677 ¹	61016 ¹	42011 ¹	44397 ¹	86408 ¹	32332 ¹	34653 ¹	66985 ¹	29708 ¹	32010 ¹	61718
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	20-34	-	-	22-35	-	-	20-40	-	-	12-39

¹ Numbers in 100's

TABLE 127

AGE FREQUENCIES - YELLOWTAIL - SZ - 1964

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		January						February					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		00	01	Tot.	00	01	Tot.	00	01	Tot.	00	01	Tot.
1962	2	1	-	1	28.54	-	28.54	1	-	1	31.00	-	31.00
1961	3	142	182	324	34.19	35.70	35.04	143	159	302	34.34	36.12	35.28
1960	4	206	270	476	36.72	39.60	38.35	223	269	492	36.64	39.74	38.33
1959	5	68	87	155	37.40	41.35	39.63	71	91	162	37.30	41.46	39.63
1958	6	13	25	38	39.27	43.88	42.27	14	25	39	39.09	43.78	42.18
1957	7	-	3	3	44.00	46.60	46.56	-	3	3	44.00	46.02	45.93
1956	8	-	2	2	44.00	49.18	48.98	-	1	1	44.00	48.43	47.65
1955	9	-	1	1	-	49.86	49.86	-	-	-	-	49.32	49.32
Total ‰		430	570	1000				452	548	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		12	12	12				13	13	13			
Number of Fish Aged		291	300	591				325	325	650			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.43	0.56	0.50				0.43	0.58	0.51			
Total Weight Landed (tons)		951	1643	2594				898	1466	2364			
Estimated Number Landed		22302 ¹	29289 ¹	51591 ¹				20983 ¹	25535 ¹	46518 ¹			
Mesh(mm) or Hook(no.) Size:		-	-	114				-	-	114			
Range of Depths (fm)		-	-	8-34				-	-	8-32			

¹ Numbers in 100's

TABLE 127
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1964

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		March						April					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		00	01	Tot.	00	01	Tot.	00	01	Tot.	00	01	Tot.
1962	2	1	-	1	31.00	-	31.00	8	-	8	32.24	-	32.24
1961	3	113	185	298	34.43	35.88	35.33	193	105	298	35.40	37.32	36.08
1960	4	191	296	487	36.65	39.80	38.56	236	309	545	37.48	40.32	39.09
1959	5	63	104	167	37.41	44.60	40.02	32	90	122	39.28	42.22	41.45
1958	6	12	29	41	39.04	43.84	42.50	3	21	24	41.26	44.69	44.31
1957	7	-	4	4	44.00	45.95	45.81	-	3	3	43.00	47.20	46.94
1956	8	-	1	1	44.00	49.07	48.06	-	-	-	-	-	-
1955	9	-	1	1	-	51.71	51.71	-	-	-	-	-	-
Total ‰		380	620	1000				472	528	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		15	15	15				10	10	10			
Number of Fish Aged		360	410	770				229	251	480			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.43	0.58	0.52				0.44	0.78	0.64			
Total Weight Landed (tons)		760	1648	2408				734	1669	2403			
Estimated Number Landed		17647 ¹	28605 ¹	46252 ¹				16570 ¹	21346 ¹	37916 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	10-45				-	-	5-44			

¹ Numbers in 100's

TABLE 127
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1964

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		May						June					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1962	2	25	-	25	31.15	-	31.15	9	-	9	31.71	-	31.71
1961	3	242	117	359	34.93	36.84	35.55	153	151	304	35.46	36.97	36.21
1960	4	227	271	498	36.99	40.03	38.35	168	362	530	37.18	40.06	39.11
1959	5	26	72	98	38.98	41.88	41.11	20	102	122	38.29	42.12	41.50
1958	6	2	14	16	40.72	44.52	44.07	1	27	28	39.94	44.68	44.50
1957	7	-	4	4	43.00	48.10	47.92	-	5	5	43.00	48.70	48.40
1956	8	-	-	-	-	50.00	50.00	-	1	1	-	50.00	50.00
1955	9	-	-	-	-	-	-	-	1	1	-	52.00	52.00
Total ‰		522	478	1000				351	649	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		9	9	9				6	6	6			
Number of Fish Aged		225	225	450				132	150	282			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.41	0.72	0.56				0.43	0.73	0.62			
Total Weight Landed (tons)		1139	1821	2960				655	2124	2779			
Estimated Number Landed		27719 ¹	25422 ¹	53141 ¹				15497 ¹	29057 ¹	44554 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	30-58				-	-	31-52			

¹ Numbers in 100's

TABLE 127
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1964

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		July						August					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1962	2	70	-	70	32.72	35.13	33.67	77	29	106	32.48	35.81	33.38
1961	3	107	46	153	35.24	37.66	36.92	122	214	336	35.33	37.82	36.91
1960	4	96	243	339	36.49	40.53	39.43	122	233	355	36.80	40.50	39.23
1959	5	33	255	288	36.92	41.20	40.34	50	128	178	38.23	41.44	40.54
1958	6	1	131	132	36.00	43.86	43.20	1	13	14	36.00	44.70	43.86
1957	7	-	11	11	40.00	45.44	45.04	2	9	11	40.00	46.53	45.35
1956	8	-	7	7	-	-	-	-	-	-	-	-	-
Total ‰		307	692	1000				374	626	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		7	7	7				3	3	3			
Number of Fish Aged		137	174	311				72	75	147			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.39	0.57	0.51				0.40	0.59	0.52			
Total Weight Landed (tons)		867	2882	3749				1092	2739	3831			
Estimated Number Landed		22499 ¹	50492 ¹	72991 ¹				27445 ¹	46202 ¹	73647 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	18-40				-	-	19-36			

¹ Numbers in 100's

TABLE 127
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1964

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		September						October					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1963	1	-	-	-	-	-	-	-	1	1	-	33.00	33.00
1962	2	135	75	210	32.42	33.69	32.87	172	140	312	32.78	34.16	33.40
1961	3	134	174	308	35.00	37.67	36.51	135	135	270	35.75	38.70	37.22
1960	4	122	202	324	36.70	40.66	39.17	127	159	286	37.32	40.58	39.13
1959	5	40	107	147	37.11	41.36	40.23	46	58	104	37.60	42.59	40.39
1958	6	1	8	9	36.00	43.66	42.80	10	16	26	39.97	43.89	42.78
1957	7	-	2	2	-	42.43	42.43	-	1	1	-	47.43	47.43
Total ‰		432	568	1000				490	510	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		9	9	9				9	9	9			
Number of Fish Aged		167	196	363				177	193	370			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.37	0.56	0.48				0.37	0.51	0.44			
Total Weight Landed (tons)		985	1933	2918				1534	2274	3808			
Estimated Number Landed		26339 ¹	34677 ¹	61016 ¹				42011 ¹	44397 ¹	86408 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	20-34				-	-	22-35			

¹ Numbers in 100's

TABLE 127
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1964

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		November					December						
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1963	1	-	1	1	-	33.00	33.00	-	1	1	-	33.00	33.00
1962	2	198	129	327	32.76	34.42	33.42	143	132	275	32.88	34.12	33.48
1961	3	124	144	268	35.62	38.56	37.20	119	98	217	35.94	38.70	37.19
1960	4	115	160	275	37.36	40.50	39.16	145	155	300	37.87	41.35	39.68
1959	5	40	64	104	37.54	42.64	40.66	60	93	153	38.51	43.51	41.55
1958	6	6	16	22	39.88	43.86	42.85	16	32	48	40.61	44.62	43.29
1957	7	-	1	1	44.00	48.08	47.26	-	5	5	-	47.93	47.93
1956	8	-	1	1	-	50.00	50.00	-	-	-	-	50.00	50.00
1955	9	-	1	1	-	49.95	49.95	-	1	1	-	49.18	49.18
Total ‰		483	517	1000				483	517	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		9	9	9				14	14	14			
Number of Fish Aged		159	185	344				225	267	492			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.36	0.52	0.44				0.39	0.56	0.48			
Total Weight Landed (tons)		1157	1806	2963				1152	1800	2952			
Estimated Number Landed		32332 ¹	34653 ¹	66985 ¹				29708 ¹	32010 ¹	61718 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	20-40				-	-	12-39			

¹ Numbers in 100's

TABLE 128

LENGTH FREQUENCIES - RED HAKE - 52 - 1964

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl	
	(Commercial)	
CATCHES/LANDINGS	Landings	
MONTH	June	July
COUNTRY	United States	
TONNAGE	0-215	
13	3	2
14	7	2
15	30	2
16	28	6
17	23	14
18	23	28
19	40	30
20	18	29
21	33	22
22	15	20
23	3	43
24	35	67
25	57	75
26	57	108
27	80	152
28	108	128
29	106	84
30	70	40
31	62	43
32	70	27
33	43	21
34	30	14
35	23	13
36	3	6
37	17	8
38	3	2
39	-	5
40	3	7
41	-	-
42	10	-
43	-	-
44	-	-
45	-	2
Total ‰	1000	1000
Serial Numbers	-	-
Number of Samples	2	8
Number of Fish Measured	262	453
Mean Length (cm)	26.95	26.55
Mean Weight (kg)	0.15	0.14
Total Weight Landed (tons)	6519	1647
Estimated Number Landed	443689 ¹	115072 ¹
Mesh(mm) or Hook(no.) Size	64	64
Range of Depths (fm)	25-28	14-30

¹ Numbers in 100's

TABLE 129

LENGTH FREQUENCIES - SILVER HAKE - 5 - 1965

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	April			May			June			July		
MONTH	United States											
COUNTRY												
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-310											
18	-	-	-	-	-	-	4	-	4	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
22	3	16	19	11	3	14	15	4	19	3	-	3
24	38	47	85	27	10	37	28	13	41	8	-	8
26	85	53	138	81	24	106	86	31	117	95	4	99
28	104	74	182	192	34	226	161	71	231	200	31	231
30	195	63	258	183	83	266	158	52	210	133	64	197
32	63	75	138	85	55	140	75	60	135	105	63	167
34	16	35	50	42	40	82	22	93	115	21	95	116
36	6	9	16	14	19	34	5	42	47	1	62	63
38	3	6	9	10	9	19	-	23	23	-	26	26
40	3	13	16	8	3	11	-	18	18	-	20	20
42	-	13	13	11	4	15	-	2	2	-	9	9
44	3	13	16	4	6	11	-	11	11	-	13	13
46	-	13	13	3	10	13	-	13	13	-	8	8
48	-	3	3	1	6	7	-	1	1	-	10	10
50	-	19	19	-	9	9	-	6	6	-	10	10
52	-	16	16	-	7	7	-	3	3	-	4	4
54	-	3	3	-	3	3	-	-	-	-	5	5
56	-	6	6	-	-	-	-	5	5	-	6	6
58	-	-	-	-	1	1	-	1	1	-	4	4
Total ‰	519	481	1000	672	328	1000	553	447	1000	566	434	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	3	3	3	7	7	7	6	6	6	9	9	9
Number of Fish Measured	165	153	318	509	255	764	349	299	648	547	411	958
Mean Length (cm)	29.59	33.18	31.32	30.31	33.81	31.46	29.18	33.81	31.25	29.53	36.23	32.43
Mean Weight (kg)	0.18	0.32	0.25	0.20	0.31	0.24	0.17	0.29	0.23	0.18	0.34	0.25
Total Weight Landed (tons)	176	282	458	827	638	1465	1859	2523	4382	4940	7243	12183
Estimated Number Landed	9609 ¹	8910 ¹	18519 ¹	41552 ¹	20276 ¹	61828 ¹	106901 ¹	86276 ¹	193178 ¹	273605 ¹	209665 ¹	483270 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	95-130	-	-	20-140	-	-	10-120	-	-	16-50

¹ Numbers in 100's

TABLE 129
(Cont'd)

LENGTH FREQUENCIES - SILVER HAKE - 5 - 1965

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	August			September			October			November		
MONTH	United States											
COUNTRY	0-310											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-310											
20	1	-	1	8	-	8	1	-	1	-	9	9
22	-	-	-	13	8	21	7	7	14	-	-	-
24	34	5	39	54	14	68	19	12	31	-	-	-
26	121	17	138	148	31	179	35	41	77	9	37	46
28	218	75	292	216	88	304	97	46	143	74	102	176
30	135	92	226	68	119	187	123	106	229	93	148	241
32	52	61	113	16	66	82	106	107	213	46	120	167
34	16	52	68	10	44	53	31	76	107	65	111	176
36	1	41	42	-	28	28	3	84	87	9	102	111
38	-	20	20	-	21	21	2	30	32	-	19	19
40	-	14	14	-	10	10	-	18	18	-	28	28
42	-	6	6	-	10	10	-	5	5	-	9	9
44	-	6	6	-	8	8	-	4	4	-	-	-
46	-	9	9	-	4	4	-	7	7	-	-	-
48	-	5	5	-	4	4	-	5	5	-	9	9
50	-	8	8	-	4	4	-	8	8	-	-	-
52	-	4	4	-	2	2	-	5	5	-	-	-
54	-	5	5	-	4	4	-	4	4	-	9	9
56	-	2	2	-	2	2	-	3	3	-	-	-
58	-	1	1	-	2	2	-	7	7	-	-	-
Total ‰/oo	577	423	1000	532	468	1000	424	576	1000	296	704	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	12	12	12	5	5	5	7	7	7	1	1	1
Number of Fish Measured	720	545	1265	284	236	520	313	407	720	32	77	109
Mean Length (cm)	28.84	33.95	31.00	27.76	32.55	30.00	30.16	34.02	32.38	31.25	33.03	32.50
Mean Weight (kg)	0.15	0.27	0.20	0.14	0.24	0.19	0.18	0.29	0.24	0.20	0.18	0.19
Total Weight Landed (tons)	3235	4268	7503	2022	3072	5094	536	1157	1693	228	507	735
Estimated Number Landed	215541 ¹	157925 ¹	373466 ¹	142555 ¹	125156 ¹	267711 ¹	29593 ¹	40245 ¹	69838 ¹	11436 ¹	27161 ¹	38597 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	20-60	-	-	30-65	-	-	40-80	-	-	44-52

¹ Numbers in 100's

TABLE 130 LENGTH FREQUENCIES - YELLOWTAIL - 52 - 1965

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	January			February			March			April		
MONTH	United States											
COUNTRY	0-499											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE												
25	-	-	-	1	-	1	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	1	-	1	-	-	-
28	-	-	-	3	-	3	2	-	2	-	-	-
29	1	-	1	3	-	3	5	-	5	1	-	1
30	1	-	1	6	-	7	5	-	5	5	-	5
31	11	1	12	13	1	15	16	3	19	12	-	12
32	32	3	35	21	5	26	27	4	32	23	1	24
33	55	23	78	51	18	69	59	8	67	47	9	55
34	80	39	119	61	43	104	82	31	114	67	21	88
35	68	63	131	62	52	114	81	56	136	72	39	111
36	64	62	126	63	61	124	74	61	134	77	45	122
37	52	37	89	48	52	100	67	49	115	70	52	122
38	43	32	75	45	37	82	43	38	81	52	36	88
39	33	39	72	37	44	81	32	44	75	49	45	94
40	22	43	65	20	37	57	20	41	61	26	44	71
41	6	47	53	10	47	56	9	42	50	18	45	62
42	6	51	57	7	40	47	4	29	33	2	41	43
43	2	28	30	1	36	37	2	20	21	2	36	39
44	-	13	13	-	24	24	-	20	20	-	23	23
45	-	13	13	-	22	23	-	11	11	-	13	13
46	-	13	13	-	12	12	-	7	7	-	15	15
47	-	6	6	-	6	6	-	5	5	-	7	7
48	-	4	4	-	3	3	-	3	3	-	3	3
49	-	4	4	-	1	1	-	1	1	-	-	-
50	-	2	2	-	1	1	-	1	1	-	10	10
51	-	1	1	-	1	1	-	1	1	-	1	1
Total ‰	477	523	1000	455	545	1000	528	472	1000	522	478	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	10	10	10	22	22	22	21	21	21	20	20	20
Number of Fish Measured	556	565	1121	1002	1198	2200	1173	1057	2230	961	922	1883
Mean Length (cm)	35.60	38.76	37.26	35.64	38.90	37.42	35.45	38.57	36.92	35.99	39.42	37.63
Mean Weight (kg)	0.41	0.56	0.49	0.42	0.57	0.50	0.41	0.55	0.47	0.42	0.70	0.55
Total Weight Landed (tons)	861	1287	2148	978	1603	2581	1256	1512	2768	1053	1620	2673
Estimated Number Landed	20902 ¹	22955 ¹	43857 ¹	23546 ¹	28236 ¹	51783 ¹	30872 ¹	27588 ¹	58460 ¹	25306 ¹	23142 ¹	48448 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	20-36	-	-	15-35	-	-	20-38	-	-	22-44

¹ Numbers in 100's

TABLE 130
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - 52 - 1965

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl											
	(Commercial)											
CATCHES/LANDINGS	Landings											
MONTH	May			June			July			August		
COUNTRY	United States											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-499											
26	-	-	-	-	-	-	1	-	1	-	-	-
27	-	-	-	-	-	-	2	-	2	-	-	-
28	-	-	-	-	-	-	2	-	2	1	-	1
29	2	-	2	-	-	-	4	-	4	3	-	3
30	2	-	2	4	-	4	3	-	3	10	-	10
31	7	-	7	14	-	14	20	-	20	25	-	25
32	14	1	15	18	2	21	40	3	43	45	4	49
33	39	7	45	30	10	40	49	13	62	49	7	56
34	50	15	65	46	28	74	48	30	78	64	26	90
35	76	26	102	67	51	118	39	64	104	52	47	99
36	72	41	113	50	58	109	56	62	118	55	67	172
37	62	47	109	45	60	105	46	64	110	35	63	99
38	58	36	94	39	74	113	24	62	86	30	68	98
39	43	47	90	25	67	92	22	55	77	24	70	94
40	25	37	62	14	70	84	10	50	60	13	47	61
41	8	50	59	4	57	60	13	63	75	9	56	65
42	11	51	62	4	62	66	-	40	40	5	41	46
43	5	43	48	-	38	38	2	31	33	-	25	25
44	3	45	48	-	18	18	-	29	29	-	21	21
45	2	22	24	-	19	19	-	16	16	-	16	16
46	-	22	22	-	17	17	-	21	21	-	11	11
47	-	8	8	-	2	2	-	7	7	-	3	3
48	-	11	11	-	2	2	-	5	5	-	5	5
49	-	8	8	-	-	-	-	3	3	-	2	2
50	-	3	3	-	2	2	-	-	-	-	-	-
51	-	-	-	-	2	2	-	-	-	-	-	-
Total ‰	479	521	1000	361	639	1000	383	617	1000	426	579	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	11	11	11	10	10	10	10	10	10	10	10	10
Number of Fish Measured	530	579	1109	292	593	885	349	557	906	509	686	1195
Mean Length (cm)	36.36	40.50	38.81	35.66	39.21	37.93	35.06	39.08	37.54	35.03	38.94	37.27
Mean Weight (kg)	0.43	0.77	0.61	0.40	0.68	0.59	0.38	0.56	0.49	0.38	0.55	0.48
Total Weight Landed (tons)	858	1667	2525	685	2062	2747	1020	2422	3442	1023	2010	3033
Estimated Number Landed	19949 ¹	21662 ¹	41612 ¹	16991 ¹	30109 ¹	47100 ¹	26703 ¹	42978 ¹	69681 ¹	26890 ¹	36220 ¹	63110 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	20-47	-	-	20-46	-	-	19-46	-	-	19-36

¹ Numbers in 100's

TABLE 130
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - 5Z - 1965

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	September			October			November			December		
MONTH	United States											
COUNTRY	0-499											
SEX	♂♂ ¹	♀♀	Tot.	♂♂ ¹	♀♀	Tot.	♂♂ ¹	♀♀	Tot.	♂♂ ¹	♀♀	Tot.
TONNAGE	0-499											
27	1	-	1	-	-	-	-	-	-	-	-	-
28	1	-	1	-	-	-	-	-	-	-	-	-
29	9	1	10	4	-	4	5	-	5	-	-	-
30	27	-	27	7	1	8	23	-	23	11	-	11
31	49	3	52	36	6	42	38	12	50	33	6	38
32	64	17	81	61	26	87	80	36	115	63	8	71
33	84	18	101	65	35	100	71	50	121	65	42	108
34	69	31	101	68	45	113	52	54	107	56	46	102
35	64	35	100	57	48	105	48	58	106	65	76	141
36	53	51	104	63	62	125	43	50	93	42	56	98
37	29	46	74	41	61	102	31	58	88	40	41	81
38	21	63	84	23	64	87	26	47	73	32	54	86
39	9	44	53	15	54	69	8	56	64	24	38	62
40	9	45	55	7	45	52	4	40	45	14	49	63
41	3	36	39	2	38	40	2	31	33	7	27	34
42	5	33	39	-	27	27	1	28	29	6	34	40
43	2	29	31	-	16	16	-	27	27	2	22	24
44	-	21	21	-	10	10	-	10	10	-	10	10
45	-	10	10	-	2	2	-	4	4	-	20	20
46	-	8	8	-	7	7	-	3	3	-	6	6
47	-	5	5	-	1	1	-	2	2	-	2	2
48	-	3	3	-	1	1	-	-	-	-	-	-
49	-	1	1	-	-	-	-	-	-	-	-	-
50	-	1	1	-	1	1	-	1	1	-	-	-
51	-	1	1	-	-	-	-	-	-	-	-	-
Total ‰	499	501	1000	451	549	1000	432	568	1000	461	539	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	12	12	12	10	10	10	11	11	11	9	9	9
Number of Fish Measured	780	783	1563	547	690	1237	509	692	1201	497	566	1063
Mean Length (cm)	34.00	38.56	36.28	34.43	37.48	36.11	33.89	37.16	35.75	34.84	37.76	36.41
Mean Weight (kg)	0.35	0.54	0.44	0.34	0.46	0.41	0.33	0.45	0.40	0.35	0.48	0.42
Total Weight Landed (tons)	1167	1810	2977	1183	1967	3150	1030	1879	2909	1237	1957	3194
Estimated Number Landed	33321 ¹	33419 ¹	66740 ¹	34834 ¹	42484 ¹	77318 ¹	31604 ¹	41552 ¹	73156 ¹	35116 ¹	41106 ¹	76221 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	17-35	-	-	20-38	-	-	26-35	-	-	18-35

¹ Numbers in 100's

TABLE 131

AGE FREQUENCIES - YELLOWTAIL - SZ - 1965

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		January						February					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
1963	2	5	-	5	30.76	-	30.76	13	-	13	29.57	-	29.57
1962	3	202	192	394	33.83	35.44	34.58	178	199	377	33.76	35.42	34.70
1961	4	122	142	264	36.11	38.24	37.16	114	143	257	36.02	38.30	37.22
1960	5	109	121	230	37.29	41.95	39.65	109	131	240	38.02	42.25	40.28
1959	6	36	49	85	37.63	43.76	41.14	36	56	92	38.47	42.69	41.01
1958	7	3	15	18	38.79	45.47	44.33	4	14	18	39.19	44.82	43.89
1957	8	-	4	4	-	48.20	48.20	-	3	3	-	47.14	47.14
1956	9	-	-	-	-	47.67	47.67	-	-	-	-	48.00	48.00
1955	10	-	-	-	-	51.00	51.00	-	-	-	-	51.00	51.00
Total ‰		477	523	1000				454	546	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		9	9	9				22	22	22			
Number of Fish Aged		219	242	461				284	347	631			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.41	0.56	0.49				0.42	0.57	0.50			
Total Weight Landed (tons)		861	1287	2148				978	1603	2581			
Estimated Number Landed		20902 ¹	22955 ¹	43857 ¹				23546 ¹	28236 ¹	51783 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	20-36				-	-	15-35			

¹ Numbers in 100's

TABLE 131
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1965

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		March						April					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
1963	2	13	-	13	29.68	-	29.68	22	-	22	31.40	-	31.40
1962	3	221	179	400	33.98	35.82	34.81	238	195	433	34.70	36.47	35.56
1961	4	136	136	272	35.84	38.34	37.03	106	102	208	36.98	39.92	38.34
1960	5	119	104	223	37.77	41.43	39.52	107	114	221	37.71	39.78	38.74
1959	6	36	40	76	38.36	41.92	40.20	46	51	97	39.36	44.08	41.83
1958	7	3	10	13	38.53	44.82	43.58	4	13	17	38.95	44.90	43.75
1957	8	-	2	2	-	48.33	48.33	-	1	1	-	48.00	48.00
1956	9	-	1	1	-	47.54	47.54	-	1	1	-	51.00	51.00
1955	10	-	-	-	-	51.00	51.00	-	-	-	-	-	-
Total ‰		528	472	1000				523	477	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		21	21	21				18	18	18			
Number of Fish Aged		417	471	888				288	339	627			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.41	0.55	0.47				0.42	0.70	0.55			
Total Weight Landed (tons)		1256	1512	2768				1053	1620	2673			
Estimated Number Landed		30872 ¹	27588 ¹	58460 ¹				25306 ¹	23142 ¹	48448 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	20-38				-	-	22-44			

¹ Numbers in 100's

TABLE 131
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1965

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		May						June					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		88	89	Tot.	88	89	Tot.	88	89	Tot.	88	89	Tot.
1963	2	15	-	15	31.44	-	31.44	18	-	18	31.49	-	31.49
1962	3	209	166	375	35.06	36.45	35.72	179	267	446	34.59	36.52	35.77
1961	4	99	109	208	36.63	40.11	38.45	72	150	222	36.26	39.86	38.80
1960	5	104	144	248	38.56	42.50	40.81	67	146	213	38.19	41.97	40.77
1959	6	51	68	119	39.76	44.29	42.38	26	59	85	38.16	42.36	41.08
1958	7	3	21	24	38.93	45.64	44.61	1	11	12	39.00	43.96	43.17
1957	8	-	3	3	-	46.73	46.73	-	2	2	-	48.51	48.51
1956	9	-	8	8	-	49.00	49.00	-	2	2	-	51.00	51.00
Total ‰		481	519	1000				563	637	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		10	10	10				11	11	11			
Number of Fish Aged		209	236	445				217	248	465			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.43	0.77	0.61				0.40	0.68	0.59			
Total Weight Landed (tons)		858	1667	2525				685	2062	2747			
Estimated Number Landed		19949 ¹	21662 ¹	41612 ¹				16991 ¹	30109 ¹	47100 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	20-47				-	-	20-46			

¹ Numbers in 100's

TABLE 131
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1965

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		July						August					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1963	2	98	20	118	31.40	34.24	31.87	111	17	128	32.36	33.95	32.57
1962	3	154	318	472	34.89	36.95	36.29	174	303	477	34.65	37.18	36.25
1961	4	70	109	179	37.14	40.22	39.16	76	107	183	37.25	40.27	38.86
1960	5	50	102	152	37.83	42.21	40.70	54	91	145	38.26	41.85	40.52
1959	6	10	56	66	37.67	43.00	42.19	11	48	59	37.72	42.66	41.70
1958	7	-	8	8	-	45.78	45.78	-	6	6	-	45.00	45.00
1957	8	-	5	5	-	48.48	48.48	-	2	2	-	48.32	48.32
Total ‰		382	618	1000				426	574	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		8	8	8				10	10	10			
Number of Fish Aged		184	188	372				176	212	388			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.38	0.56	0.49				0.38	0.55	0.48			
Total Weight Landed (tons)		1020	2422	3442				1023	2010	3033			
Estimated Number Landed		26703 ¹	42978 ¹	69681 ¹				26890 ¹	36220 ¹	63110 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	19-46				-	-	19-36			

¹ Numbers in 100's

TABLE 131
(Cont'd)

AGE FREQUENCIES --YELLOWTAIL - 5Z - 1965

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		September						October					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		83	89	Tot.	83	89	Tot.	83	89	Tot.	83	89	Tot.
1963	2	181	35	216	31.93	33.21	32.15	213	189	402	32.82	34.49	33.60
1962	3	203	258	461	34.30	36.90	35.77	137	216	353	35.35	37.94	36.90
1961	4	64	85	149	36.62	40.00	38.57	65	80	145	36.64	39.69	38.32
1960	5	44	74	118	37.62	42.20	44.42	25	48	73	37.78	41.57	40.27
1959	6	8	42	50	37.28	43.18	42.23	8	12	20	37.28	43.09	40.72
1958	7	-	6	6	-	45.54	45.54	2	3	5	36.14	44.31	41.52
1957	8	-	-	-	-	48.20	48.20	-	2	2	-	50.00	50.00
Total ‰		500	500	1000				450	550	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		11	11	11				11	11	11			
Number of Fish Aged		232	259	491				201	228	429			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.35	0.54	0.44				0.34	0.46	0.41			
Total Weight Landed (tons)		1167	1810	2977				1183	1967	3150			
Estimated Number Landed		33321 ¹	33419 ¹	66740 ¹				34834 ¹	42484 ¹	77318 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	17-35				-	-	20-38			

¹ Numbers in 100's

TABLE 131
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1965

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		November						December					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1963	2	241	222	463	32.43	34.25	33.34	208	193	401	32.84	34.65	33.69
1962	3	114	202	316	33.92	37.75	36.39	129	190	319	35.30	37.78	36.75
1961	4	50	80	130	36.32	40.19	36.80	71	78	149	37.33	40.45	37.33
1960	5	19	49	68	38.68	42.06	41.08	38	56	94	38.79	42.44	38.79
1959	6	6	11	17	37.39	42.98	40.99	13	16	29	39.21	43.39	39.21
1958	7	2	3	5	36.43	44.17	41.95	1	7	8	36.51	44.16	36.51
1957	8	-	1	1	-	50.00	50.00	-	-	-	-	-	-
Total ‰		432	568	1000				460	540	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		10	10	10				9	9	9			
Number of Fish Aged		180	228	408				225	225	450			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.33	0.45	0.40				0.35	0.48	0.42			
Total Weight Landed (tons)		1030	1879	2909				1237	1957	3194			
Estimated Number Landed		31604 ¹	41552 ¹	73156 ¹				35116 ¹	41106 ¹	76221 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	26-35				-	-	18-35			

¹ Numbers in 100's

TABLE 132

LENGTH FREQUENCIES - RED HAKE - SZ - 1965

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl						
	(Commercial)						
CATCHES/LANDINGS	Landings						
MONTH	May	June	July	August	September	October	November
COUNTRY	United States						
TONNAGE	0-215						
14	-	-	-	5	-	-	-
15	-	-	-	-	-	-	-
16	2	-	-	-	-	-	-
17	-	20	-	22	3	-	-
18	1	-	3	16	3	-	-
19	-	7	21	62	-	-	-
20	2	14	15	57	34	-	-
21	6	17	15	49	25	21	10
22	3	4	23	50	93	56	31
23	5	19	39	87	158	42	46
24	11	3	23	80	151	21	70
25	17	6	46	63	65	21	130
26	36	25	47	67	80	21	79
27	47	34	100	53	80	77	92
28	63	57	118	58	46	57	70
29	52	118	87	54	34	57	50
30	75	182	153	47	38	78	80
31	92	129	116	35	43	155	63
32	114	99	67	45	62	78	86
33	123	82	42	41	19	99	47
34	100	69	30	31	16	56	41
35	61	55	17	23	4	21	33
36	72	39	9	5	7	56	9
37	49	2	14	13	12	-	15
38	30	1	10	5	8	-	10
39	18	9	-	5	4	21	21
40	9	7	-	17	8	-	3
41	4	-	1	-	-	21	5
42	6	-	-	4	3	-	1
43	2	-	-	-	-	-	2
44	-	1	3	4	-	21	4
45	-	1	-	-	-	-	-
46	-	-	1	-	-	-	-
47	-	-	-	2	-	-	-
48	-	-	-	-	-	-	2
49	-	-	-	-	-	21	-
50	-	-	-	-	-	-	-
51	-	-	-	-	4	-	-
Total ‰	1000	1000	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-	-	-
Number of Samples	7	5	7	6	5	1	8
Number of Fish Measured	941	291	381	315	260	51	299
Mean Length (cm)	32.02	30.28	28.69	26.23	26.33	30.74	28.84
Mean Weight (kg)	0.20	0.23	0.20	0.13	0.13	0.22	0.19
Total Weight Landed (tons)	4630	3318	1245	568	891	786	810
Estimated Number Landed	233887 ¹	146504 ¹	62542 ¹	43153 ¹	70587 ¹	35158 ¹	43545 ¹
Mesh(mm) or Hook(no.) Size	64	64	64	64	64	64	64
Range of Depths (fm)	11-25	19-30	6-30	14-31	19-24	22-31	20-30

¹ Numbers in 100's

TABLE 133 LENGTH FREQUENCIES - SILVER HAKE - 5 - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings								
CATCHES/LANDINGS	September			October			November		
MONTH	United States								
COUNTRY									
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-310								
22	2	1	3	-	-	-	-	-	-
24	3	1	4	3	-	3	-	-	-
26	22	2	24	-	-	-	-	-	-
28	167	31	198	71	6	76	119	-	119
30	227	143	370	232	75	308	317	20	337
32	70	176	246	118	186	304	208	99	307
34	9	68	77	29	140	169	69	40	109
36	-	19	19	6	53	59	10	30	40
38	-	16	16	-	43	43	-	40	40
40	-	7	7	-	9	9	-	10	10
42	-	2	2	-	3	3	-	-	-
44	-	6	6	-	7	7	-	10	10
46	-	4	4	-	3	3	-	10	10
48	-	5	5	-	-	-	-	-	-
50	-	6	6	-	1	1	-	10	10
52	-	2	2	-	1	1	-	-	-
54	-	4	4	-	1	1	-	-	-
56	-	3	3	-	9	9	-	-	-
58	-	2	2	-	1	1	-	10	10
60	-	1	1	-	6	6	-	-	-
62	-	2	2	-	-	-	-	-	-
Total ‰	499	501	1000	459	541	1000	723	277	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	12	12	12	3	3	3	1	1	1
Number of Fish Measured	641	611	1252	158	163	321	73	28	101
Mean Length (cm)	29.94	33.69	31.82	31.00	34.77	33.04	31.21	36.71	32.74
Mean Weight (kg)	0.18	0.27	0.22	0.20	0.29	0.25	0.20	0.26	0.22
Total Weight Landed (tons)	1664	2573	4237	785	1400	2185	381	195	576
Estimated Number Landed	94767 ¹	95120 ¹	189887 ¹	40437 ¹	47650 ¹	88086 ¹	19332 ¹	7415 ¹	26747 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	30-80	-	-	40-75	-	-	40-50

¹ Numbers in 100's

TABLE 133
(Cont'd)

LENGTH FREQUENCIES - SILVER HAKE - 5 - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	May			June			July			August		
MONTH	United States											
COUNTRY	0-310											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-310											
20	9	-	9	-	-	-	-	-	-	1	-	1
22	-	9	9	-	2	2	1	-	1	-	-	-
24	-	9	9	4	-	4	8	1	8	2	1	3
26	68	34	103	40	3	43	36	1	37	34	3	37
28	171	85	256	169	75	245	223	33	256	221	38	259
30	120	205	325	183	175	357	231	132	364	226	137	364
32	17	137	154	51	125	176	52	118	170	60	124	184
34	-	17	17	14	51	65	14	54	68	14	48	62
36	-	34	34	1	23	24	2	29	31	1	33	34
38	-	-	-	-	13	13	1	14	15	-	16	17
40	-	26	26	-	18	18	-	10	10	-	9	9
42	-	9	9	-	7	7	-	5	5	-	5	5
44	-	-	-	-	6	6	-	3	3	-	7	7
46	-	-	-	-	8	8	-	3	3	-	5	5
48	-	17	17	-	5	5	-	8	8	-	4	4
50	-	-	-	-	5	5	-	4	4	-	4	4
52	-	17	17	-	3	3	-	6	6	-	1	1
54	-	9	9	-	3	3	-	3	3	-	3	3
56	-	-	-	-	2	2	-	3	3	-	2	2
58	-	9	9	-	5	5	-	1	1	-	-	-
60	-	-	-	-	3	3	-	1	1	-	-	-
62	-	-	-	-	1	1	-	1	1	-	-	-
64	-	-	-	-	1	1	-	-	-	-	-	-
66	-	-	-	-	1	1	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	1	1	-	-	-	-	-	-
Total ‰	385	615	1000	463	537	1000	567	433	1000	559	441	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	1	1	1	11	11	11	15	15	15	19	19	19
Number of Fish Measured	45	72	117	432	512	944	901	692	1593	1143	902	2045
Mean Length (cm)	28.77	33.11	31.44	29.73	33.82	31.93	29.68	34.08	31.59	29.76	33.53	31.42
Mean Weight (kg)	0.15	0.28	0.23	0.18	0.29	0.24	0.19	0.29	0.23	0.17	0.26	0.20
Total Weight Landed (tons)	15	39	54	1339	2529	3868	4237	5069	9306	6008	7298	13306
Estimated Number Landed ¹	990 ¹	1585 ¹	2575 ¹	75737 ¹	87832 ¹	163569 ¹	230370 ¹	176282 ¹	406652 ¹	360470 ¹	284732 ¹	645201 ¹
Mesh(mm) or Hook(no.) Size	-	-	64	-	-	64	-	-	64	-	-	64
Range of Depths (fm)	-	-	85-160	-	-	45-170	-	-	12-80	-	-	22-70

¹ Numbers in 100's

TABLE 134

AGE FREQUENCIES - SILVER HAKE - 5 - 1966

(FREQUENCIES IN %/oo)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		May						June					
COUNTRY		United States											
TONNAGE		0-310											
YEAR-CLASS	AGE	%/oo Frequency			Mean Length			%/oo Frequency			Mean Length		
		00	00	Tot.	00	00	Tot.	00	00	Tot.	00	00	Tot.
1964	2	23	-	23	24.75	-	24.75	13	-	13	27.56	-	27.56
1963	3	149	175	324	28.24	29.98	29.19	143	137	280	29.14	30.26	29.69
1962	4	162	308	470	29.28	31.77	30.91	199	270	469	30.10	32.20	31.30
1961	5	33	15	48	29.83	37.67	31.75	49	18	67	31.05	37.93	33.00
1960	6	23	31	54	30.95	40.24	36.27	55	52	107	32.47	38.33	35.40
1959	7	1	43	44	32.50	44.62	44.40	5	31	36	33.75	43.98	42.56
1958	8	-	20	20	-	47.59	47.59	-	13	13	-	47.60	47.60
1957	9	-	3	3	-	54.51	54.51	-	5	5	-	53.33	53.33
1956	10	-	5	5	-	56.33	56.33	-	3	3	-	61.40	61.40
1955	11	-	9	9	-	55.36	55.36	-	7	7	-	58.27	58.27
Total %/oo		391	609	1000				464	536	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		7	7	7				11	11	11			
Number of Fish Aged		62	66	128				108	104	212			
Mean Age		3.69	4.41	4.12				4.01	4.41	4.23			
Mean Weight (kg)		0.15	0.28	0.23				0.18	0.29	0.24			
Total Weight Landed (tons)		15	39	54				1339	2529	3868			
Estimated Number Landed		990 ¹	1555 ¹	2575 ¹				75737 ¹	87832 ¹	163569 ¹			
Mesh(mm) or Hook(no.) Size		-	-	64				-	-	64			
Range of Depths (fm)		-	-	85-160				-	-	45-170			

¹ Numbers in 100's

TABLE 134
(Cont'd)

AGE FREQUENCIES - SILVER HAKE - 5 - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		July						August					
COUNTRY		United States											
TONNAGE		0-310											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		80	90	Tot.	80	90	Tot.	80	90	Tot.	80	90	Tot.
1965	1	2	-	2	22.51	-	22.51	-	-	-	-	-	-
1964	2	45	7	52	27.45	28.32	28.24	39	9	48	27.65	28.08	27.79
1963	3	194	119	313	29.48	31.42	30.28	190	124	314	29.57	31.21	30.27
1962	4	259	187	446	30.51	32.96	31.56	260	190	450	30.63	32.65	31.49
1961	5	37	33	70	31.45	35.48	33.32	37	34	71	31.61	35.35	33.39
1960	6	24	44	68	33.12	39.87	37.46	25	43	68	33.18	39.07	36.89
1959	7	6	21	27	34.89	44.94	42.94	6	26	32	33.79	41.69	39.94
1958	8	-	11	11	-	49.00	49.00	-	9	9	-	46.84	46.84
1957	9	1	5	6	36.82	49.12	47.37	1	4	5	36.46	46.08	44.80
1956	10	-	3	3	-	50.58	50.58	-	2	2	-	48.24	48.24
1955	11	-	2	2	-	53.80	53.80	-	1	1	-	53.64	53.64
Total ‰		568	432	1000				558	442	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		14	14	14				19	19	19			
Number of Fish Aged		139	137	276				190	178	368			
Mean Age		3.68	4.35	3.97				3.72	4.30	3.97			
Mean Weight (kg)		0.19	0.29	0.23				0.17	0.26	0.20			
Total Weight Landed (tons)		4237	5069	9306				6008	7298	13306			
Estimated Number Landed		230370 ¹	176282 ¹	406652 ¹				360470 ¹	284732 ¹	645201 ¹			
Mesh(mm) or Hook(no.) Size		-	-	64				-	-	64			
Range of Depths (fm)		-	-	12-80				-	-	22-70			

¹ Numbers in 100's

TABLE 134
(Cont'd)

AGE FREQUENCIES - SILVER HAKE - 5 - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		September						October					
COUNTRY		United States											
TONNAGE		0-310											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		85	90	Tot.	85	90	Tot.	85	90	Tot.	85	90	Tot.
1965	1	1	1	2	22.51	22.51	22.51	-	-	-	-	-	-
1964	2	30	7	37	27.88	28.16	27.94	84	6	90	29.86	29.51	29.84
1963	3	158	136	294	29.76	31.35	30.48	102	251	353	30.83	33.10	32.43
1962	4	246	238	484	30.57	32.75	31.66	207	206	413	32.41	35.68	34.04
1961	5	37	38	75	31.83	34.94	33.43	49	-	49	32.56	-	32.56
1960	6	23	42	65	32.76	39.34	37.04	-	47	47	-	41.02	41.02
1959	7	5	18	23	33.62	44.97	42.46	18	13	31	30.57	53.71	40.26
1958	8	-	11	11	-	50.29	50.29	-	1	1	-	50.53	50.53
1957	9	-	4	4	34.51	51.03	50.24	-	14	14	-	40.68	40.68
1956	10	-	3	3	-	53.24	53.24	-	1	1	-	54.52	54.52
1955	11	-	2	2	-	53.32	53.32	-	1	1	-	58.57	58.57
Total ‰		500	500	1000				460	540	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				3	3	3			
Number of Fish Aged		129	129	258				29	30	59			
Mean Age		3.75	4.24	4.00				3.64	3.92	3.79			
Mean Weight (kg)		0.18	0.27	0.22				0.20	0.29	0.25			
Total Weight Landed (tons)		1664	2573	4237				785	1400	2185			
Estimated Number Landed		94767 ¹	95120 ¹	189887 ¹				40437 ¹	47650 ¹	88086 ¹			
Mesh(mm) or Hook(no.) Size		-	-	64				-	-	64			
Range of Depths (fm)		-	-	30-80				-	-	40-75			

¹ Numbers in 100's

TABLE 134
(Cont'd)

AGE FREQUENCIES - SILVER HAKE - 5 - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)					
CATCHES/LANDINGS		Landings					
MONTH		November					
COUNTRY		United States					
TONNAGE		0-310					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.
1964	2	129	-	129	29.26	-	29.26
1963	3	143	90	233	30.22	32.65	31.74
1962	4	349	105	454	32.12	34.46	33.92
1961	5	84	15	99	32.33	36.50	35.87
1960	6	-	15	15	-	40.49	40.49
1959	7	25	15	40	30.50	53.82	44.98
1958	8	-	10	10	-	50.50	50.50
1957	9	-	20	20	-	42.51	42.51
Total ‰		730	270	1000			
Serial Numbers		-	-	-			
Number of Samples		1	1	1			
Number of Fish Aged		10	9	19			
Mean Age		3.67	4.52	3.90			
Mean Weight (kg)		0.20	0.26	0.22			
Total Weight Landed (tons)		381	195	576			
Estimated Number Landed		1933200	741500	2674700			
Mesh(mm) or Hook(no.) Size		-	-	64			
Range of Depths (fm)		-	-	40-50			

TABLE 135

LENGTH FREQUENCIES - YELLOWTAIL - 5Z - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	January			February			March			April		
MONTH	United States											
COUNTRY												
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-499											
27	-	-	-	1	-	1	-	-	-	-	-	-
28	2	-	2	-	-	-	-	-	-	-	-	-
29	3	-	3	-	-	-	-	1	1	1	-	1
30	8	-	8	-	-	-	3	1	4	2	-	2
31	26	4	31	7	1	7	13	2	15	7	-	7
32	59	16	75	29	-	29	32	3	36	33	13	46
33	66	32	99	46	13	59	55	17	72	57	14	70
34	77	67	143	71	31	102	65	32	96	78	36	113
35	55	61	116	73	69	142	74	42	116	87	61	148
36	63	46	109	56	61	117	49	52	101	54	76	130
37	51	31	82	49	70	119	46	38	84	51	56	107
38	42	28	71	51	44	95	50	39	90	44	52	96
39	34	20	54	37	41	78	48	29	77	20	39	59
40	22	26	48	21	30	51	26	31	57	11	45	56
41	14	26	40	10	32	43	29	41	70	13	37	51
42	4	34	37	12	34	47	10	35	45	5	35	40
43	4	21	25	4	23	27	4	39	43	4	19	22
44	1	19	20	1	25	27	1	27	28	0	22	22
45	-	16	17	1	26	27	1	23	24	1	15	15
46	-	8	8	-	11	11	-	14	14	-	5	5
47	-	6	6	-	6	6	-	16	16	-	6	6
48	-	4	4	-	4	4	-	5	5	-	1	1
49	-	3	3	-	4	4	-	3	3	-	-	-
50	-	1	1	-	1	1	-	3	3	-	-	-
51	-	-	-	-	-	-	-	-	-	-	1	1
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	1	1
Total ‰	531	469	1000	469	531	1000	505	495	1000	466	534	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	14	14	14	11	11	11	14	14	14	10	10	10
Number of Fish Measured	827	717	1544	520	589	1109	743	727	1470	500	591	1091
Mean Length (cm)	35.26	37.92	36.51	36.00	38.86	37.52	36.11	39.47	37.78	35.52	38.29	37.00
Mean Weight (kg)	0.40	0.53	0.46	0.43	0.57	0.50	0.44	0.60	0.52	0.40	0.64	0.53
Total Weight Landed (tons)	848	981	1829	984	1470	2454	1341	1817	3158	812	1481	2293
Estimated Number Landed	21099 ¹	18662 ¹	39761 ¹	23006 ¹	26005 ¹	49010 ¹	30936 ¹	30278 ¹	61215 ¹	20389 ¹	23343 ¹	43732 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	6-35	-	-	11-35	-	-	17-36	-	-	5-39

¹ Numbers in 100's

TABLE 135
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - SZ - 1966

(FREQUENCIES IN %/100 - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS												
MONTH	May			June			July			August		
COUNTRY	United States											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-499											
28	1	-	1	2	-	2	1	-	1	-	-	-
29	1	-	1	5	1	6	1	-	1	2	-	2
30	7	-	7	8	1	9	5	-	5	11	-	11
31	16	1	17	10	4	14	11	-	11	22	1	23
32	27	4	31	29	4	34	18	5	23	48	6	54
33	55	15	71	44	18	62	47	13	59	47	17	64
34	64	31	95	54	38	92	46	42	87	56	40	96
35	86	48	133	57	53	111	42	84	126	52	67	119
36	70	66	136	58	73	131	40	106	146	35	82	117
37	54	57	111	47	72	119	26	98	124	23	96	119
38	40	44	84	44	51	94	13	92	105	15	95	110
39	42	40	82	28	54	82	9	78	87	9	75	85
40	28	32	60	8	42	50	3	74	77	6	57	63
41	18	36	54	12	43	55	1	51	52	1	36	37
42	8	26	34	7	30	37	1	33	34	1	39	39
43	5	26	31	3	23	26	-	25	25	2	17	18
44	1	17	19	3	25	28	-	19	19	1	17	18
45	2	10	12	1	17	18	-	10	10	-	12	12
46	-	5	5	-	9	9	-	3	3	-	6	6
47	-	6	6	-	10	10	-	3	3	-	1	1
48	-	2	2	-	6	6	-	1	1	-	1	1
49	-	5	5	-	2	2	-	1	1	-	2	2
50	-	2	2	-	2	2	-	-	-	-	2	2
51	-	2	2	-	-	-	-	-	-	-	-	-
Total %/100	526	474	1000	421	579	1000	263	737	1000	331	669	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	14	14	14	14	14	14	13	13	13	13	13	13
Number of Fish Measured	814	742	1556	747	1038	1785	349	1161	1510	482	1021	1503
Mean Length (cm)	35.89	38.57	37.16	35.64	38.63	37.37	34.69	38.11	37.21	34.34	38.13	36.88
Mean Weight (kg)	0.41	0.65	0.53	0.40	0.66	0.55	0.37	0.52	0.48	0.36	0.52	0.47
Total Weight Landed (tons)	764	1087	1851	693	1550	2243	588	2323	2911	729	2135	2864
Estimated Number Landed	18465 ¹	16642 ¹	35107 ¹	17115 ¹	23576 ¹	40691 ¹	15964 ¹	44850 ¹	60815 ¹	20318 ¹	41065 ¹	61383 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	5-43	-	-	11-40	-	-	17-35	-	-	15-50

¹ Numbers in 100's

TABLE 135
(Cont'd)

LENGTH FREQUENCIES - YELLOWTAIL - SZ - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	September			October			November			December		
MONTH	United States											
COUNTRY	0-499											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-499											
24	-	-	-	1	-	1	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	1	-	1	-	-	-	-	-	-	-	-	-
27	-	-	-	1	-	1	2	-	2	-	-	-
28	3	-	3	5	-	5	3	-	3	-	-	-
29	9	1	9	7	2	9	19	4	23	7	-	7
30	27	4	31	40	5	46	28	10	38	24	4	28
31	48	13	61	57	8	64	44	18	62	36	6	42
32	62	20	82	56	16	72	59	21	80	60	15	75
33	67	31	99	59	27	87	49	32	81	66	42	108
34	74	35	109	52	30	82	38	27	65	64	37	100
35	40	38	79	42	32	74	49	38	87	68	43	111
36	49	52	100	35	41	77	41	40	81	50	34	84
37	45	54	98	36	52	87	44	39	83	51	25	76
38	24	52	75	38	52	90	36	39	74	33	44	77
39	15	60	75	17	51	67	35	41	76	27	37	64
40	8	49	57	17	36	54	16	53	69	25	42	68
41	3	27	30	6	39	45	10	36	46	7	39	45
42	1	23	24	3	28	32	9	29	38	5	30	35
43	1	25	26	1	24	24	-	19	19	2	23	24
44	-	10	10	-	27	27	-	30	30	1	18	19
45	1	13	14	-	21	21	1	14	15	-	19	19
46	-	10	10	-	16	16	-	15	15	1	11	11
47	-	4	4	-	12	12	-	5	5	-	5	5
48	-	2	2	-	5	5	-	2	2	-	2	2
49	-	1	1	-	3	3	-	1	1	-	-	-
50	-	1	1	-	-	-	-	3	3	-	1	1
51	-	-	-	-	1	1	-	1	1	-	-	-
Total ‰	476	524	1000	472	528	1000	483	517	1000	525	475	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	13	13	13	12	12	12	13	13	13	11	11	11
Number of Fish Measured	759	839	1598	661	759	1420	795	745	1540	611	587	1198
Mean Length (cm)	34.05	37.89	36.06	34.12	38.79	36.58	34.60	38.21	36.47	34.83	38.27	36.47
Mean Weight (kg)	0.35	0.52	0.44	0.34	0.53	0.44	0.35	0.50	0.43	0.35	0.53	0.42
Total Weight Landed (tons)	938	1514	2452	942	1659	2601	791	1226	2017	614	790	1404
Estimated Number Landed	26652 ¹	29381 ¹	56034 ¹	28183 ¹	31578 ¹	59761 ¹	22740 ¹	24376 ¹	47116 ¹	17399 ¹	15745 ¹	33144 ¹
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	18-38	-	-	15-45	-	-	10-49	-	-	13-35

¹ Numbers in 100's

TABLE 136

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		January						February					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
1964	2	9	-	9	30.20	-	30.20	1	-	1	30.93	-	30.93
1963	3	310	264	574	33.85	35.07	34.41	249	263	512	34.48	36.12	35.33
1962	4	110	102	212	36.14	38.78	37.42	110	136	246	36.48	39.34	38.20
1961	5	66	54	120	38.81	42.58	40.50	70	65	135	38.06	42.31	40.08
1960	6	29	35	64	39.67	44.17	42.12	31	48	79	39.68	43.13	41.73
1959	7	5	10	15	40.67	46.02	44.38	7	14	21	41.16	46.14	44.59
1958	8	1	4	5	41.28	48.73	47.88	1	4	5	41.65	47.94	46.32
1957	9	-	1	1	-	48.40	48.40	-	1	1	-	48.52	48.52
Total ‰		530	470	1000				469	531	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				11	11	11			
Number of Fish Aged		285	311	596				238	266	504			
Mean Age		3.65	3.81	3.73				3.80	3.93	3.87			
Mean Weight (kg)		0.40	0.53	0.46				0.43	0.57	0.50			
Total Weight Landed (tons)		848	981	1829				984	1470	2454			
Estimated Number Landed		21099 ¹	18662 ¹	39761 ¹				23006 ¹	26005 ¹	49010 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	6-35				-	-	11-35			

¹ Numbers in 100's

TABLE 136
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		March						April					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
1964	2	3	-	3	30.77	-	30.77	12	-	12	32.25	-	32.25
1963	3	260	210	470	34.40	35.92	35.09	285	307	592	34.73	36.16	35.44
1962	4	113	126	239	36.64	39.73	38.17	105	143	248	36.40	40.00	38.57
1961	5	84	79	163	39.08	42.41	40.59	42	42	84	38.64	42.57	40.54
1960	6	39	54	93	39.11	44.73	42.37	18	30	48	38.74	43.53	41.68
1959	7	6	17	23	40.74	46.17	44.76	3	9	12	40.31	44.47	43.81
1958	8	1	6	7	41.34	48.69	47.53	1	2	3	43.00	45.71	44.92
1957	9	-	2	2	-	48.58	48.58	-	1	1	-	55.55	55.55
Total ‰		506	494	1000				466	534	1000			
Serial Numbers		-	-	-				11	11	11			
Number of Samples		13	13	13				234	250	484			
Number of Fish Aged		215	267	482				234	250	484			
Mean Age		3.84	4.13	3.98				3.53	3.69	3.62			
Mean Weight (kg)		0.44	0.60	0.52				0.40	0.64	0.53			
Total Weight Landed (tons)		1341	1817	3158				812	1481	2294			
Estimated Number Landed		30936 ¹	30278 ¹	61215 ¹				20389 ¹	23343 ¹	43732 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	17-36				-	-	5-39			

¹ Numbers in 100's

TABLE 136
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl											
CATCHES/LANDINGS		(Commercial)											
MONTH		May						June					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		00	25	Tot.	00	25	Tot.	00	25	Tot.	00	25	Tot.
1964	2	19	-	19	31.42	-	31.42	19	1	20	30.86	30.00	30.83
1963	3	292	265	557	34.81	36.29	35.53	237	315	552	34.48	36.29	35.54
1962	4	122	129	251	36.84	39.78	38.38	96	155	251	36.20	39.71	38.21
1961	5	62	36	98	39.00	42.54	40.85	43	48	91	37.82	43.74	40.96
1960	6	27	30	57	39.43	44.29	41.96	22	40	62	39.56	44.38	42.72
1959	7	4	11	15	41.27	45.77	44.17	4	15	19	40.93	45.65	44.57
1958	8	1	2	3	43.00	46.88	45.65	1	4	5	43.00	47.14	45.19
Total ‰		527	473	1000				422	578	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		14	14	14				14	14	14			
Number of Fish Aged		254	305	596				258	283	541			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.41	0.65	0.53				0.40	0.66	0.55			
Total Weight Landed (tons)		764	1087	1851				693	1550	2243			
Estimated Number Landed		18465 ¹	16642 ¹	35107 ¹				17115 ¹	23576 ¹	40691 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	5-43				-	-	11-40			

¹ Numbers in 100's

TABLE 136
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		July					August						
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
1964	2	65	55	120	32.58	34.70	33.56	105	54	159	32.05	34.36	32.81
1963	3	130	400	530	34.83	36.94	36.51	149	360	509	34.37	36.97	36.25
1962	4	40	196	236	35.86	39.48	38.92	44	172	216	35.90	39.51	38.82
1961	5	17	49	66	37.11	41.41	40.25	19	43	62	37.37	42.04	40.68
1960	6	8	34	42	37.16	42.99	41.90	9	29	38	38.07	43.33	42.00
1959	7	2	3	5	37.71	44.60	42.67	4	10	14	39.08	45.18	41.88
1958	8	-	1	1	-	39.00	39.00	-	1	1	-	49.72	49.72
1957	9	-	-	-	-	-	-	-	1	1	-	51.35	51.35
Total ‰		262	738	1000				330	670	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				12	12	12			
Number of Fish Aged		265	323	588				275	299	574			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.37	0.52	0.48				0.34	0.52	0.47			
Total Weight Landed (tons)		588	2323	2911				729	2135	2864			
Estimated Number Landed		15964 ¹	44850 ¹	60815 ¹				20318 ¹	41065 ¹	61383 ¹			
Mesh (mm) or Hook (no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	17-35				-	-	51-50			

¹ Numbers in 100's

TABLE 136
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 5Z - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		September						October					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1965	1	-	-	-	-	-	-	1	-	1	29.00	-	29.00
1964	2	175	75	250	31.68	33.03	32.05	284	205	489	32.54	35.11	33.60
1963	3	197	248	445	34.65	36.71	35.75	130	181	311	36.05	39.34	37.88
1962	4	59	126	185	35.88	39.86	38.78	40	74	114	37.92	41.70	40.40
1961	5	27	39	66	37.51	42.10	40.27	14	34	48	39.38	44.52	43.04
1960	6	14	31	45	37.81	43.95	42.09	3	23	26	39.80	45.78	45.07
1959	7	3	3	6	39.29	44.84	42.26	-	9	9	-	45.65	45.65
1958	8	-	2	2	39.00	48.22	46.24	-	2	2	-	43.70	43.70
1957	9	-	1	1	-	50.00	50.00	-	-	-	-	-	-
Total ‰		475	525	1000				472	528	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				12	12	12			
Number of Fish Aged		234	274	508				228	264	492			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.35	0.52	0.44				0.34	0.53	0.44			
Total Weight Landed (tons)		938	1514	2452				942	1659	2601			
Estimated Number Landed		26652 ¹	29381 ¹	56034 ¹				28183 ¹	31578 ¹	59761 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	18-38				-	-	15-45			

¹ Numbers in 100's

TABLE 136
(Cont'd)

AGE FREQUENCIES - YELLOWTAIL - 52 - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Landings											
MONTH		November						December					
COUNTRY		United States											
TONNAGE		0-499											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		00	00	Tot.	00	00	Tot.	00	00	Tot.	00	00	Tot.
1965	1	2	-	2	29.00	-	29.00	1	-	1	29.00	-	29.00
1964	2	265	220	485	32.71	34.41	33.46	284	199	483	33.30	34.89	33.96
1963	3	141	173	314	36.35	39.68	38.28	162	163	325	36.07	39.15	37.51
1962	4	49	70	119	38.32	41.21	40.00	52	65	117	37.98	41.53	39.67
1961	5	20	29	49	39.76	44.17	42.34	20	25	45	39.84	44.09	42.22
1960	6	5	15	20	39.86	45.30	44.10	3	14	17	39.55	45.08	43.62
1959	7	-	9	9	44.00	46.66	46.61	3	7	10	44.00	45.26	45.08
1958	8	-	2	2	-	43.88	43.88	-	2	2	-	43.60	43.60
Total ‰		482	518	1000				525	475	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		13	13	13				11	11	11			
Number of Fish Aged		285	306	591				340	253	593			
Mean Age		-	-	-				-	-	-			
Mean Weight (kg)		0.35	0.50	0.43				0.35	0.53	0.42			
Total Weight Landed (tons)		791	1226	2017				614	790	1404			
Estimated Number Landed		22740 ¹	24376 ¹	47116 ¹				17399 ¹	15745 ¹	33144 ¹			
Mesh(mm) or Hook(no.) Size		-	-	114				-	-	114			
Range of Depths (fm)		-	-	10-49				-	-	13-35			

¹ Numbers in 100's

TABLE 137

LENGTH FREQUENCIES - RED HAKE - 5Z - 1966

(FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)							
	Landings							
CATCHES/LANDINGS	May	June	July	August	September	October	November	December
MONTH	United States							
COUNTRY	0-215							
TONNAGE								
12	-	1	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-
14	-	2	1	-	-	-	-	-
15	-	2	1	-	-	-	-	-
16	-	1	1	-	-	-	-	15
17	-	22	4	5	-	-	-	-
18	-	2	61	12	7	-	1	-
19	4	3	60	27	-	-	-	58
20	4	12	87	41	41	-	-	2
21	14	1	81	51	31	4	1	30
22	4	1	56	53	52	4	-	-
23	23	-	57	45	109	42	5	-
24	28	14	53	65	109	89	36	2
25	52	21	60	45	110	124	19	24
26	52	29	62	74	105	130	110	17
27	68	37	68	126	90	117	79	99
28	30	38	79	85	73	121	109	67
29	39	43	76	66	78	18	120	89
30	60	29	65	58	37	47	129	57
31	55	46	33	38	28	44	69	87
32	66	98	19	40	33	73	69	15
33	46	57	11	30	21	38	49	83
34	121	70	6	23	19	58	37	99
35	90	79	11	32	5	-	38	78
36	58	32	7	23	9	18	25	49
37	22	75	7	12	13	20	20	31
38	38	58	9	13	8	-	15	5
39	51	68	13	10	5	-	14	22
40	28	61	-	9	7	-	7	7
41	6	26	-	4	3	33	17	15
42	17	37	-	6	2	-	4	26
43	6	-	2	2	2	-	6	-
44	6	10	-	-	-	-	8	-
45	-	-	2	-	-	20	7	22
46	6	-	-	2	-	-	2	-
47	6	-	-	-	-	-	-	1
48	-	15	6	-	-	-	1	-
49	-	-	-	3	-	-	1	-
50	-	-	2	-	-	-	2	-
51	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-
54	-	10	-	-	3	-	-	-
Total 0/00	1000	1000	1000	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-	-	-	-
Number of Samples	3	4	8	14	14	5	16	6
Number of Fish Measured	138	113	377	540	356	86	326	136
Mean Length (cm)	33.13	33.76	25.43	27.55	26.67	28.80	30.56	30.94
Mean Weight (kg)	0.25	0.32	0.11	0.15	0.12	0.16	0.22	0.24
Total Weight Landed (tons)	579	281	424	495	275	108	556	369
Estimated Number Landed	2286100	890400	3740100	3280100	2207700	664400	2539800	1537100
Mesh(mm) or Hook(no.) Size	64	64	64	64	64	64	64	64
Range of Depths (fm)	14-29	14-29	17-28	18-31	11-39	10-26	10-31	19-28

