

TABLE 49

AGE FREQUENCIES - COD - 4VN - 1961

(FREQUENCIES IN ‰)

GEAR		OTTER TRAWL (NK)											
CATCHES/LANDINGS		CATCHES											
MONTH		MARCH						APRIL					
COUNTRY		PORTUGAL											
TONNAGE		1264											
YEAR-CLASS	AGE	‰ FREQUENCY			MEAN LENGTH			‰ FREQUENCY			MEAN LENGTH		
		00	99	TOT.	00	99	TOT.	00	99	TOT.	00	99	TOT.
1957	4	60	50	110	44.0	42.4	43.2	30	50	80	42.3	44.0	43.2
1956	5	150	220	370	46.1	46.5	46.3	140	90	230	43.1	44.8	44.0
1955	6	190	120	310	50.4	51.8	51.1	190	190	380	48.1	47.1	47.6
1954	7	80	60	140	54.0	53.5	53.9	140	70	210	51.0	56.0	53.5
1953	8	10	40	50	58.0	58.5	58.3	30	40	70	51.0	56.5	53.8
1952	9	10	10	20	71.0	62.0	66.5	-	10	10	-	70.0	70.0
1951	10	-	-	-	-	-	-	-	-	-	-	-	-
1950	11	-	-	-	-	-	-	10	-	10	66.0	-	66.0
1949	12	-	-	-	-	-	-	10	-	10	78.0	-	78.0
TOTAL ‰		500	500	1000	/			550	450	1000	/		
SERIAL NUMBERS		-	-	4				-	-	7			
NUMBER OF SAMPLES		-	-	1				-	-	1			
NUMBER OF FISH AGED		-	-	100				-	-	100			
MEAN AGE		-	-	5.7				-	-	6.1			
MEAN WEIGHT (KG)		-	-	-				-	-	-			
TOTAL WEIGHT LANDED (TONS)		-	-	-				-	-	-			
ESTIMATED NUMBER LANDED		-	-	-				-	-	-			
MESH SIZE (MM)		-	-	114				-	-	114			
RANGE OF DEPTHS (FM)		-	-	165				-	-	80			

TABLE 44

AGE FREQUENCIES - COD - 4Vs - 1961

(FREQUENCIES IN ‰)

GEAR		OTTER TRAWL (RESEARCH)					
CATCHES/LANDINGS		CATCHES					
MONTH		MARCH					
COUNTRY		FRANCE					
TONNAGE		1469					
YEAR-CLASS	AGE	‰ FREQUENCY			MEAN LENGTH		
		00	99	TOT.	00	99	TOT.
1959	2	-	-	9	-	-	22.0
1958	3	-	-	17	-	-	35.5
1957	4	-	-	52	-	-	45.0
1956	5	-	-	224	-	-	51.8
1955	6	-	-	345	-	-	56.3
1954	7	-	-	146	-	-	60.0
1953	8	-	-	95	-	-	68.6
1952	9	-	-	60	-	-	82.4
1951	10	-	-	26	-	-	94.0
1950	11	-	-	26	-	-	99.0
TOTAL ‰		-	-	1000	/		
SERIAL NUMBERS		-	-	3			
NUMBER OF SAMPLES		-	-	4			
NUMBER OF FISH AGED		-	-	116			
MEAN AGE		-	-	6.3			
MEAN WEIGHT (KG)		-	-	-			
TOTAL WEIGHT LANDED (TONS)		-	-	-			
ESTIMATED NUMBER LANDED		-	-	-			
MESH SIZE (MM)		-	-	120			
RANGE OF DEPTHS (FM)		-	-	49-120			

TABLE 44
(CONT'D)

AGE FREQUENCIES - COD - 4Vs - 1961

(FREQUENCIES IN %/00)

GEAR		OTTER TRAWL (RESEARCH)											
CATCHES/LANDINGS		CATCHES											
MONTH		AUGUST						AUGUST					
COUNTRY		FRANCE											
TONNAGE		NK											
YEAR-CLASS	AGE	%/00 FREQUENCY			MEAN LENGTH			%/00 FREQUENCY			MEAN LENGTH		
		00'	99'	TOT.	00'	99'	TOT.	00'	99'	TOT.	00'	99'	TOT.
1959	2	-	-	221	-	-	32.82	-	-	8	-	-	37.00
1958	3	-	-	415	-	-	38.31	-	-	59	-	-	47.57
1957	4	-	-	286	-	-	47.77	-	-	403	-	-	51.12
1956	5	-	-	65	-	-	60.00	-	-	403	-	-	56.00
1955	6	-	-	13	-	-	75.00	-	-	118	-	-	61.64
1954	7	-	-	-	-	-	-	-	-	8	-	-	85.00
TOTAL %/00		-	-	1000	/			-	-	999	/		
SERIAL NUMBERS		-	-	1				-	-	283			
NUMBER OF SAMPLES		-	-	1				-	-	2			
NUMBER OF FISH AGED		-	-	77				-	-	119			
MEAN AGE		-	-	3.16				-	-	4.58			
MEAN WEIGHT (KG)		-	-	-				-	-	-			
TOTAL WEIGHT LANDED (TONS)		-	-	125				-	-	1329			
ESTIMATED NUMBER LANDED		-	-	-				-	-	-			
MESH SIZE (MM)		-	-	50 ¹⁾				-	-	50 ¹⁾			
RANGE OF DEPTHS (FM)		-	-	104	-	-	131						

1) NYLON

TABLE 45

AGE/LENGTH KEYS AND FREQUENCIES (COD) - 1961

(AVAILABLE ON REQUEST FROM THE SECRETARIAT)

IN ACCORDANCE WITH A RECOMMENDATION MADE BY THE RESEARCH AND STATISTICS COMMITTEE AT THEIR ANNUAL MEETING IN 1962, 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 COD ARE NOW ON FILE IN THE SECRETARIAT. (THE NUMERALS IN THE COLUMNS REPRESENT THE NUMBER OF SAMPLES HELD ON FILE FOR EACH DIVISION, MONTH AND COUNTRY.)

ALL GEARS - BY DIVISIONS, MONTHS AND COUNTRIES

DIV.	MONTH	DENMARK	DENMARK	FRANCE	GERMANY	NORWAY	PORTUGAL	SPAIN	U.S.S.R.	U.K.	TOTAL
		(F.)	(G.)								
IA	JUL-AUG	-	1	-	-	-	-	-	-	-	1
	SEPT	-	1	-	-	-	-	-	-	-	1
	OCT-NOV	-	1	-	-	-	-	-	-	-	1
IB	MAY-JUN	1	-	-	-	-	-	-	-	-	1
	JUNE	-	2	-	-	-	-	-	-	-	2
	JULY	-	1	-	-	-	-	-	-	-	1
	JUL-AUG	-	1	-	-	-	-	-	-	-	1
	AUG	-	1	-	-	-	-	-	-	-	1
SEPT-OCT	-	1	-	-	-	-	-	-	-	1	
IC	JAN	-	-	-	1	-	-	-	-	-	1
	APR	-	-	-	1	-	-	-	-	1	2
	JUN	-	-	-	1	-	-	-	-	-	1
	JUL	-	-	-	1	-	-	-	-	-	1
AUG	-	3	-	-	-	-	-	-	-	3	
ID	JAN	-	1	-	1	-	-	-	-	1	3
	FEB	-	1	-	-	-	-	-	-	-	1
	MAR	-	1	-	1	-	-	-	-	-	2
	APR	-	4	-	-	-	-	-	-	-	4
	MAY	1	1	-	-	-	-	-	-	-	2
	JUN	-	1	-	-	-	-	-	-	-	1
	JUL	-	3	-	-	-	-	-	-	-	3
	AUG	-	2	-	-	-	-	-	-	-	2
	SEPT	-	-	-	1	-	-	-	-	-	1
NOV	-	1	-	1	-	-	-	-	-	2	
IE	JUN	-	-	-	1	-	-	-	-	-	1
	SEPT	-	-	-	-	-	-	-	-	1	1
	OCT	-	-	-	-	-	-	-	-	1	1
IF	JAN	-	-	-	-	-	-	-	-	1	1
	FEB	-	-	-	1	-	-	-	-	-	1
	MAR	-	-	-	1	-	-	-	-	-	1
	APR	-	-	-	-	-	-	-	-	1	1
	MAY	1	-	-	2	-	-	-	-	-	3
	JUN	-	1	-	-	-	-	-	-	-	1
	JUL	-	1	-	1	-	-	-	-	-	2
	AUG	-	2	-	-	-	-	-	-	-	2
	OCT	-	-	-	-	-	-	-	-	1	1
	NOV	-	-	-	1	-	-	-	-	1	2
	DEC	-	-	-	-	-	-	-	-	1	1
INK	FEB	-	-	-	-	-	-	-	-	1	1
	APR-MAY	-	-	-	-	2	-	-	-	-	2

(CONT'D)

TABLE 45
(CONT'D)

AGE/LENGTH KEYS AND FREQUENCIES (COD) - 1961

DIV.	MONTH	DENMARK (F.)	DENMARK (G.)	FRANCE	GERMANY	NORWAY	PORTUGAL	SPAIN	U.S.S.R.	U.K.	TOTAL
2J	FEB	-	-	-	-	-	-	-	-	-	1
	MAR	-	-	-	-	-	-	-	-	-	1
	APR	-	-	-	-	-	-	-	-	-	1
	JUL	-	-	-	-	-	-	-	-	-	1
2J-3K	MAY	-	-	-	-	-	-	-	-	-	1
	JUN	-	-	-	-	-	-	-	-	-	1
	AUG	-	-	-	-	-	-	-	-	-	1
	SEPT	-	-	-	-	-	-	-	-	-	1
	OCT	-	-	-	-	-	-	-	-	-	1
	NOV	-	-	-	-	-	-	-	-	-	1
3K	JAN	-	-	-	-	-	-	-	-	-	1
	JUN	-	-	-	-	-	-	-	-	-	1
	JUL	-	-	-	-	-	-	-	-	-	1
	AUG	-	-	-	-	-	-	-	-	-	1
	NOV	-	-	-	-	-	-	-	-	-	1
3L	APR	-	-	-	-	-	1	-	-	-	1
	MAY	-	-	-	-	-	1	-	-	-	1
3M	MAR	-	-	-	-	-	-	-	1	-	1
	OCT	-	-	-	-	-	-	-	1	-	1
3PN	FEB	-	-	-	-	-	1	-	-	-	1
	MAR	-	-	1	-	-	2	-	-	-	3
	APR	-	-	-	-	-	1	-	-	-	1
3Ps	APR	-	-	1	-	-	1	-	-	-	2
	AUG	-	-	2	-	-	-	-	-	-	2
4R	MAR	-	-	1	-	-	2	-	-	-	3
4T	APR	-	-	1	-	-	1	-	-	-	2
4VN	MAR	-	-	-	-	-	1	-	-	-	1
	APR	-	-	-	-	-	1	-	-	-	1
4VS	APR	-	-	1	-	-	-	-	-	-	1
	AUG	-	-	2	-	-	-	-	-	-	2
EAST GREEN- LAND	JAN	-	-	-	1	-	-	-	-	-	1
	APR	-	-	-	1	-	-	-	-	-	1
	MAY	-	-	-	-	-	-	-	-	-	1
	JUL	-	-	-	2	-	-	-	-	-	2
	AUG	-	-	-	1	-	-	-	-	-	1
	NOV	-	-	-	1	-	-	-	-	-	1
S.E. GREEN- LAND	MAR	-	-	-	1	-	-	-	-	-	1
	APR	-	-	-	1	-	-	-	-	-	1
	JUN	-	-	-	1	-	-	-	-	-	1
TOTAL		3	31	9	26	2	17	6	7	10	111

TABLE 46

LENGTH FREQUENCIES - COD - 1961

(FREQUENCIES IN ‰ - 3 CM GROUPS)

SUBMITTED BY FRANCE FOR DIVISIONS 3PN, 3Ps, 4R, 4T, 4VS

CONTRIBUTORS: MESSRS. ANCELLIN, CAPELLE ET THOMAS

DIVISION	3PN	3Ps	4R	4T	4VS
GEAR	OTTER TRAWL (COMMERCIAL)				
CATCHES/LANDINGS	CATCHES				
MONTH	MARCH	APRIL	MARCH	APRIL	MARCH
TONNAGE			1469		
21-23	-	-	-	-	2
24-26	-	-	2	-	-
27-29	-	-	1	5	-
30-32	-	-	2	2	2
33-35	1	-	7	24	3
36-38	1	-	10	31	7
39-41	8	-	31	65	8
42-44	20	7	28	140	21
45-47	26	7	72	159	77
48-50	65	29	115	139	107
51-53	76	52	116	105	147
54-56	113	77	127	102	165
57-59	130	96	139	57	124
60-62	112	103	99	76	97
63-65	110	111	81	35	49
66-68	105	107	69	31	58
69-71	75	66	36	19	46
72-74	52	63	25	4	25
75-77	25	52	17	-	15
78-80	27	63	6	9	5
81-83	16	59	8	2	7
84-86	8	44	5	-	5
87-89	5	18	3	-	5
90-92	8	22	-	-	7
93-95	2	11	-	-	2
96-98	2	4	-	-	2
99-101	-	-	-	-	2
102-104	-	-	-	-	-
105-107	-	-	-	-	3
108-110	2	-	1	-	5
111-113	-	-	-	-	-
114-116	-	-	1	-	2
117-119	-	-	-	-	-
120-122	4	4	-	-	2
123-125	1	-	-	-	-
126-128	-	-	-	-	-
129-131	1	4	-	-	2
132-134	-	-	-	-	-
135-137	1	-	-	-	-
TOTAL ‰/00	996	999	1001	999	1000
SERIAL NUMBERS	-	-	-	-	-
NUMBER OF SAMPLES	16	5	20	10	16
NUMBER OF FISH MEASURED	829	271	1237	541	606
MEAN LENGTH (CM)	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-
MESH SIZE (MM)	120	120	120	120	120
RANGE OF DEPTHS (FM)	150-280	180	100-300	175	90-210

TABLE 46
(CONT'D)

LENGTH FREQUENCIES - COD - 1961

(FREQUENCIES IN ‰ - 3 CM GROUPS)

SUBMITTED BY FRANCE FOR DIVISIONS 3Ps AND 4Vs

CONTRIBUTORS: MESSRS. ANCELLIN, CAPELLE ET THOMAS

DIVISION	3Ps	3Ps	4Vs	4Vs
GEAR	OTTER TRAWL (RESEARCH)			
CATCHES/LANDINGS	CATCHES			
MONTH	AUGUST	AUGUST	AUGUST	AUGUST
TONNAGE	NK			
12-14	-	56	-	-
15-17	-	-	-	-
18-20	-	83	-	-
21-23	-	111	-	-
24-26	-	83	-	4
27-29	-	83	10	-
30-32	-	111	176	-
33-35	-	28	186	-
36-38	-	56	109	4
39-41	-	56	161	8
42-44	-	-	62	35
45-47	13	-	52	78
48-50	26	56	62	172
51-53	26	-	62	211
54-56	78	83	62	152
57-59	39	-	21	164
60-62	104	28	15	86
63-65	52	56	10	40
66-68	52	-	-	20
69-71	39	83	-	4
72-74	39	-	5	8
75-77	78	28	5	8
78-80	65	-	-	8
81-83	26	-	-	4
84-86	13	-	-	-
87-89	39	-	-	4
90-92	52	-	-	-
93-95	91	-	-	-
96-98	26	-	-	-
99-101	39	-	-	-
102-104	13	-	-	-
105-107	26	-	-	-
108-110	13	-	-	-
111-113	13	-	-	-
114-116	-	-	-	-
117-119	26	-	-	-
120-122	-	-	-	-
123-125	13	-	-	-
TOTAL ‰	1001	1001	998	1010
SERIAL NUMBERS	4	526	1	1
NUMBER OF SAMPLES	1	2	1	2
NUMBER OF FISH MEASURED	77	36	199	256
MEAN LENGTH (CM)	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-
MESH SIZE - NYLON (MM)	50	50	50	50
RANGE OF DEPTHS (FM)	25	76	104	131

TABLE 47

LENGTH FREQUENCIES - COD - 1961

(FREQUENCIES IN NOS. - 3 CM GROUPS)

SUBMITTED BY THE UNITED KINGDOM FOR SUBAREA 1

ON NUMBERS LANDED AT BRITISH PORTS (EXCLUDING FACTORY TRAWLERS)..... BY: J. A. GULLAND

LENGTH (CM)	JANUARY-MARCH	JULY-SEPTEMBER	OCTOBER-DECEMBER	YEAR	%
33-35	58	-	829	887	0.0
36-38	-	-	6,030	6,030	0.2
39-41	349	10,806	35,255	46,410	1.3
42-44	3,955	69,308	89,920	163,183	4.6
45-47	14,049	214,240	78,594	306,883	8.6
48-50	34,382	306,127	64,867	405,376	11.3
51-53	39,898	215,386	93,396	348,680	9.8
54-56	53,321	216,525	97,028	366,874	10.3
57-59	33,775	177,936	132,804	344,515	9.6
60-62	29,747	142,794	197,456	369,997	10.3
63-65	21,092	156,811	120,511	298,414	8.3
66-68	25,483	157,194	92,465	275,142	7.7
69-71	31,936	113,669	56,094	201,699	5.6
72-74	35,729	45,101	31,287	112,117	3.1
75-77	34,211	34,938	34,569	103,718	2.9
78-80	31,698	15,717	28,014	75,429	2.1
81-83	16,957	14,083	24,407	55,447	1.6
84-86	8,037	17,571	10,663	36,271	1.0
87-89	8,716	8,692	7,871	25,279	0.7
90-92	6,612	7,374	7,896	21,882	0.6
93-95	2,697	-	1,246	3,943	0.1
96-98	326	-	2,316	2,642	0.1
99-101	2,410	545	2,994	5,949	0.2
102-104	37	-	-	37	0.0
105-107	16	-	716	732	0.0
108-110	21	-	28	49	0.0
111-113	16	-	-	16	0.0
114-116	5	-	-	5	0.0
117-119	-	-	-	-	-
120-122	-	-	-	-	-
123-125	-	-	92	92	0.0
126-128	5	-	-	5	0.0
TOTAL	435,538	1,924,817	1,217,348	3,577,703	100.0
WEIGHT LANDED (TONS, GUTTED)	960	3,020	1,680	5,660	-

TABLE 48

WEIGHTS - COD - 1961

SUBMITTED BY PORTUGAL

DATA ON WEIGHTS, IN GRAMS OF WHOLE FISH, THE LIVER, THE GONADS,
AND THE INTESTINES, STRATIFIED BY SIZE CLASSES.....BY: G. V. MARTIN

SUBAREA 2 (LABRADOR)

SEX	♂♂ (MEAN WEIGHT IN GRAMS)					♀♀ (MEAN WEIGHT IN GRAMS)					
	CM GROUP	NUMBER OF FISH	WHOLE FISH	LIVERS	GONADS	INTESTINES	NUMBER OF FISH	WHOLE FISH	LIVERS	GONADS	INTESTINES
	40	4	692	43	>10	68	4	724	55	>10	93
	43	14	703	39	>10	59	22	689	37	>10	59
	46	23	699	43	>14	53	28	891	62	>10	86
	49	24	1396	64	>19	77	41	1062	77	>11	95
	52	25	1230	91	>17	104	27	1178	66	>14	84
	55	35	1591	110	58	68	31	1401	93	>28	107
	58	24	1665	105	38	131	42	1628	97	48	110
	61	27	1562	95	57	163	35	1935	113	51	157
	64	9	2369	173	113	230	24	2297	147	51	285
	67	7	2620	129	92	208	13	2437	131	82	190
	70	6	2795	153	103	152	12	2783	138	54	242
	73	4	2920	103	238	138	9	3367	169	210	226
	76	2	3805	150	310	175	2	2580	176	320	185
	79	-	-	-	-	-	2	4775	385	297	207
	82	-	-	-	-	-	1	5970	320	410	300

TABLE 48
(CONT'D)

WEIGHTS - COD - 1961

SUBMITTED BY PORTUGALDATA ON WEIGHTS, IN GRAMS OF WHOLE FISH, THE LIVER, THE GONADS,
AND THE INTESTINES, STRATIFIED BY SIZE CLASSES.....BY: G. V. QUARTIN

SUBAREA 3 (NEWFOUNDLAND)

SEX CM GROUP	♂♂ (MEAN WEIGHT IN GRAMS)					♀♀ (MEAN WEIGHT IN GRAMS)				
	NUMBER OF FISH	WHOLE FISH	LIVERS	GONADS	INTESTINES	NUMBER OF FISH	WHOLE FISH	LIVERS	GONADS	INTESTINES
40	1	760	60	>10	50	1	700	50	>10	100
43	4	672	30	>15	35	2	635	20	>10	35
46	8	831	35	>10	43	9	848	39	>10	57
49	14	821	55	>36	106	5	1152	38	>10	58
52	19	1198	62	>37	82	17	1268	84	>33	105
55	27	1463	79	>53	102	36	1505	861	>22	109
58	26	1715	84	>75	108	38	1660	97	>31	126
61	35	1991	104	>53	145	44	1964	114	>45	144
64	37	2265	122	79	174	31	2241	130	>47	175
67	22	2519	125	81	183	35	2634	154	85	212
70	17	2969	141	>105	190	20	2926	161	79	263
73	8	3371	126	168	223	9	3344	192	99	238
76	4	3473	207	120	212	7	3960	207	271	237
79	1	4800	180	440	240	6	4538	310	228	417
82	3	4441	230	350	235	3	5113	323	320	390
85	2	5535	250	85	310	1	5500	500	40	410
88	-	-	-	-	-	1	6550	550	570	580
91	-	-	-	-	-	3	7248	383	290	700
94	-	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	1	10400	500	320	1290
103	-	-	-	-	-	-	-	-	-	-
106	1	1050	230	970	360	-	-	-	-	-

TABLE 48
(CONT'D)

WEIGHTS - COD - 1961

SUBMITTED BY PORTUGALDATA ON WEIGHTS, IN GRAMS OF WHOLE FISH, THE LIVER, THE GONADS,
AND THE INTESTINES, STRATIFIED BY SIZE CLASSES.....BY: G. V. QUARTIN

SUBAREA 4 (GULF OF ST. LAWRENCE)

SEX	♂ (MEAN WEIGHT IN GRAMS)					♀ (MEAN WEIGHT IN GRAMS)					
	CM GROUP	NUMBER OF FISH	WHOLE FISH	LIVERS	GONADS	INTESTINES	NUMBER OF FISH	WHOLE FISH	LIVERS	GONADS	INTESTINES
	40	1	500	10	>10	30	-	-	-	-	-
	43	9	698	21	>10	28	9	627	16	10	33
	46	13	757	27	12	24	14	744	33	>10	39
	49	13	985	38	38	46	5	929	41	>15	45
	52	17	1194	38	47	49	11	1101	52	>25	51
	55	16	1344	50	71	55	9	1730	78	>77	73
	58	10	1641	54	58	69	12	1567	72	71	56
	61	8	1923	58	123	67	10	1885	81	91	87
	64	6	2147	62	157	87	10	2229	86	101	100
	67	3	2644	90	208	128	13	2493	96	107	108
	70	1	3000	120	320	140	-	-	-	-	-
	73	2	3085	80	175	165	-	-	-	-	-
	76	1	3720	70	230	250	1	4030	260	410	170
	79	-	-	-	-	-	-	-	-	-	-
	82	-	-	-	-	-	2	4390	170	135	225

TABLE 49

LENGTH FREQUENCIES - HADDOCK - 3N - 1961

(FREQUENCIES IN %/00 - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)	
	CATCHES	LANDINGS
CATCHES/LANDINGS	JULY	MAY
MONTH	U. S. S. R.	CANADA (NEWFOUNDLAND)
COUNTRY	2560	151-500
TONNAGE		
30-31	5	2
32-33	-	19
34-35	11	79
36-37	44	202
38-39	174	283
40-41	282	196
42-43	240	119
44-45	115	40
46-47	54	38
48-49	33	8
50-51	26	8
52-53	11	2
54-55	5	2
56-57	-	-
58-59	-	-
60-61	-	2
62-63	-	2
TOTAL %/00	1000	1002
SERIAL NUMBERS	-	-
NUMBER OF SAMPLES	2	1
NUMBER OF FISH MEASURED	184	530
MEAN LENGTH (CM)	41.80	39.37
MEAN WEIGHT (KG)	0.68	0.63
TOTAL WEIGHT LANDED (TONS)	5627	181
ESTIMATED NUMBER LANDED	-	286785
MESH SIZE	110 ¹⁾	L-M ²⁾
RANGE OF DEPTHS (FM)	25-44	50

MESH SIZE:

- 1) (MM)
- 2) L = LARGE
M = MANILLA
(MESH SIZES VARY FROM 3 7/8 INCHES - 4 3/4 INCHES)

TABLE 50

LENGTH FREQUENCIES - HADDOCK - 30 - 1961

(FREQUENCIES IN % - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
	CATCHES	LANDINGS				
CATCHES/LANDINGS	JUNE	JANUARY	FEBRUARY	MARCH	APRIL	MAY
MONTH	U. S. S. R.	CANADA (NEWFOUNDLAND)				
COUNTRY	U. S. S. R.	CANADA (NEWFOUNDLAND)				
TONNAGE	2560	151-500				
30-31	4	1	2	1	-	-
32-33	16	13	17	10	6	7
34-35	50	88	88	63	55	79
36-37	162	206	228	182	189	214
38-39	322	263	272	251	272	308
40-41	210	203	195	203	216	202
42-43	150	114	104	111	110	105
44-45	38	53	51	72	79	43
46-47	24	30	19	47	36	21
48-49	14	14	10	26	20	8
50-51	4	6	8	14	9	5
52-53	2	5	2	8	4	3
54-55	-	2	3	5	3	2
56-57	4	1	1	3	1	1
58-59	-	1	-	1	-	-
60-61	-	-	1	1	-	1
62-63	-	-	-	-	-	-
64-65	-	-	-	1	-	-
TOTAL %	1000	1000	1001	999	1000	999
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	5	21	6	16	5	8
NUMBER OF FISH MEASURED	500	6866	4291	7837	2524	3348
MEAN LENGTH (CM)	39.50	39.41	39.15	40.22	39.93	39.22
MEAN WEIGHT (KG)	0.56	0.58	0.57	0.62	0.60	0.59
TOTAL WEIGHT LANDED (TONS)	3110	4668	6057	5124	2917	1706
ESTIMATED NUMBER LANDED	-	7997659	10552394	8316713	4840001	2879444
MESH SIZE	110 ¹⁾	L-M, N&D ²⁾	L-M&N ²⁾	L-M&N ²⁾	L-M ²⁾	L-M ²⁾
RANGE OF DEPTHS (FM)	66-88	38-100	75-125	70-125	48-55	45-60

MESH SIZE: 1) (MM)

2)

L = LARGE

M = MANILLA

N = NYLON

D = DRILENE

(MESH SIZES VARY FROM 3 7/8 INCHES - 4 3/4 INCHES)

TABLE 51

LENGTH FREQUENCIES - HADDOCK - 4T - 1961

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)			
	LANDINGS			
CATCHES/LANDINGS				
MONTH	JUNE	JUNE	OCTOBER	OCTOBER
COUNTRY	CANADA (MARITIMES)			
TONNAGE	26-50	51-150	26-50	51-150
32-33	-	-	8	-
34-35	-	-	8	-
36-37	2	13	-	-
38-39	4	26	15	-
40-41	93	97	38	19
42-43	136	129	62	77
44-45	138	116	38	45
46-47	103	51	69	122
48-49	114	103	62	83
50-51	83	90	69	141
52-53	77	45	185	115
54-55	72	71	123	167
56-57	34	39	115	103
58-59	27	39	100	26
60-61	20	13	54	70
62-63	16	45	15	26
64-65	17	26	8	6
66-67	16	13	-	-
68-69	16	26	-	-
70-71	15	32	23	-
72-73	4	13	-	-
74-75	5	-	8	-
76-77	3	13	-	-
78-79	2	-	-	-
80-81	2	-	-	-
82-83	1	-	-	-
TOTAL ‰	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-
NUMBER OF SAMPLES	2	1	1	1
NUMBER OF FISH MEASURED	517	155	130	156
MEAN LENGTH (CM)	49.7	50.8	52.4	51.6
MEAN WEIGHT (KG)	1.28	1.40	1.68	1.39
TOTAL WEIGHT LANDED (TONS)	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-
MESH SIZE (INCHES)	4 5/8-4 3/4	4 1/2	4 1/2	4 1/2
RANGE OF DEPTHS (FM)	27-60	58-60	12-20	15-16

TABLE 52 LENGTH FREQUENCIES - HADDOCK - 4T OR 4V - 1961 (FREQUENCIES IN %/00 - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)
CATCHES/LANDINGS	LANDINGS
MONTH	JULY
COUNTRY	CANADA (QUEBEC)
TONNAGE	51-150
36-37	17
38-39	12
40-41	50
42-43	75
44-45	75
46-47	87
48-49	100
50-51	139
52-53	66
54-55	66
56-57	79
58-59	50
60-61	62
62-63	29
64-65	33
66-67	8
68-69	12
70-71	25
72-73	12
74-75	-
76-77	4
78-79	-
80-81	4
TOTAL %/00	999
SERIAL NUMBERS	-
NUMBER OF SAMPLES	1
NUMBER OF FISH MEASURED	241
MEAN LENGTH (CM)	52.01
MEAN WEIGHT (KG)	-
TOTAL WEIGHT LANDED (TONS)	-
ESTIMATED NUMBER LANDED	-
MESH OR HOOK SIZE	-
RANGE OF DEPTHS (FM)	-

TABLE 53

LENGTH FREQUENCIES - HADDOCK - 4V - 1961

(FREQUENCIES IN %/00 - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)	LONG LINE (COMMERCIAL)
	LANDINGS	
CATCHES/LANDINGS		
MONTH	JUNE	OCTOBER
COUNTRY	CANADA (QUEBEC)	CANADA (MARITIMES)
TONNAGE	51-150	0-25
32-33	2	-
34-35	-	-
36-37	10	-
38-39	7	14
40-41	51	22
42-43	51	43
44-45	76	72
46-47	122	112
48-49	129	87
50-51	144	144
52-53	100	144
54-55	102	141
56-57	63	65
58-59	32	47
60-61	27	33
62-63	17	25
64-65	29	22
66-67	12	7
68-69	7	4
70-71	5	7
72-73	7	7
74-75	-	-
76-77	-	-
78-79	5	-
80-81	-	4
TOTAL %/00	998	1000
SERIAL NUMBERS	-	-
NUMBER OF SAMPLES	1	2
NUMBER OF FISH MEASURED	410	277
MEAN LENGTH (CM)	50.93	51.9
MEAN WEIGHT (KG)	-	1.46
TOTAL WEIGHT LANDED (TONS)	-	-
ESTIMATED NUMBER LANDED	-	-
MESH OR HOOK SIZE	3 1/2	6/0
RANGE OF DEPTHS (FM)	90	25-35

1) INCHES

TABLE 54

LENGTH FREQUENCIES - HADDOCK - 4W - 1961

(FREQUENCIES IN 0/00 - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)						
	LANDINGS						
CATCHES/LANDINGS							
MONTH	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER	NOVEMBER
COUNTRY	CANADA (MARITIMES)						
TONNAGE	151-500						
36-37	10	-	-	-	-	-	-
38-39	45	-	-	-	-	-	-
40-41	156	23	10	5	4	57	23
42-43	141	67	34	33	13	140	43
44-45	135	137	89	115	48	195	103
46-47	130	207	148	180	176	165	162
48-49	77	145	165	190	203	137	173
50-51	83	161	130	133	160	90	95
52-53	71	116	102	124	136	72	146
54-55	56	38	66	79	78	41	72
56-57	56	30	60	50	66	44	75
58-59	16	51	49	22	39	18	65
60-61	7	11	40	29	27	17	10
62-63	4	4	25	22	23	14	20
64-65	8	8	28	5	19	3	3
66-67	3	-	18	6	6	2	10
68-69	2	2	10	5	-	-	-
70-71	-	-	9	1	2	3	-
72-73	-	-	5	-	-	-	-
74-75	-	-	6	1	-	2	-
76-77	-	-	3	-	-	-	-
78-79	-	-	3	-	-	-	-
TOTAL 0/00	1000	1000	1000	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-
NUMBER OF SAMPLES	5	1	5	1	1	2	1
NUMBER OF FISH MEASURED	1000	385	2765	580	400	783	298
MEAN LENGTH (CM)	46.8	49.1	52.0	50.3	51.2	47.9	50.4
MEAN WEIGHT (KG)	1.13	1.23	1.50	1.17	1.34	1.18	1.42
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-
MESH SIZE (INCHES)	4½	4½	4½	4½	4½	4½-4 5/8	4½
RANGE OF DEPTHS (FM)	40-60	45-60	48-70	32-42	30-40	22-45	45-52

TABLE 55

LENGTH FREQUENCIES - HADDOCK - 4X - 1961

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)			
	LANDINGS			
CATCHES/LANDINGS	FEBRUARY/APRIL	MAY/JULY	JULY	JULY
MONTH	U.S./CAN. 1)		CANADA (MARITIMES)	
COUNTRY	U.S./CAN. 1)		CANADA (MARITIMES)	
TONNAGE	NK		0-25	26-50
28-29	-	-	1	-
30-31	-	-	1	-
32-33	-	1	6	-
34-35	-	2	19	-
36-37	-	7	71	-
38-39	13	22	191	-
40-41	50	68	184	3
42-43	82	78	170	27
44-45	130	97	116	93
46-47	123	108	71	93
48-49	127	107	61	114
50-51	112	85	48	150
52-53	109	87	39	133
54-55	89	67	32	114
56-57	65	90	20	107
58-59	42	69	12	70
60-61	26	44	6	37
62-63	14	39	3	23
64-65	8	12	5	17
66-67	5	8	3	13
68-69	3	5	-	3
70-71	1	2	-	3
72-73	-	2	1	-
74-75	1	-	-	-
TOTAL ‰	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-
NUMBER OF SAMPLES	33	13	5	1
NUMBER OF FISH MEASURED	2776	5616	2200	300
MEAN LENGTH (CM)	50.2	51.0	43.8	52.2
MEAN WEIGHT (KG)	1.41	1.41	0.93	1.54
TOTAL WEIGHT LANDED (TONS)	8130	2499	-	-
EST. NUMBER LANDED (MILLIONS)	5.762	1.769	-	-
MESH SIZE (INCHES)	-	-	4 $\frac{1}{2}$	4 $\frac{1}{2}$
RANGE OF DEPTHS (FM)	32-150	25-100	30-50	100

1) UNITED STATES/CANADA CO-OPERATIVE PROGRAMME

TABLE 55
(CONT'D)

LENGTH FREQUENCIES - HADDOCK - 4X - 1961

(FREQUENCIES IN 0/00 - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)				
	CATCHES/LANDINGS				
MONTH	AUGUST	SEPTEMBER	AUGUST/OCTOBER	OCTOBER	NOVEMBER
COUNTRY	CANADA (MARITIMES)		U.S./CAN. 1)	CANADA (MARITIMES)	
TONNAGE	51-150		NK	26-50	
34-35	-	-	4	13	7
36-37	19	-	29	89	7
38-39	115	19	57	182	7
40-41	254	46	82	199	13
42-43	158	37	82	137	-
44-45	148	19	88	97	40
46-47	134	46	71	105	80
48-49	48	19	61	64	100
50-51	67	37	54	64	146
52-53	14	130	69	27	146
54-55	14	83	72	10	100
56-57	14	148	57	10	67
58-59	5	120	68	-	107
60-61	-	74	61	-	80
62-63	5	83	56	-	27
64-65	-	65	33	-	53
66-67	-	56	27	-	13
68-69	5	9	11	-	7
70-71	-	-	9	-	-
72-73	-	9	8	-	-
74-75	-	-	1	3	-
TOTAL 0/00	1000	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-	-
NUMBER OF SAMPLES	1	1	13	1	1
NUMBER OF FISH MEASURED	209	108	2354	250	150
MEAN LENGTH (CM)	43.9	55.5	51.5	42.9	53.5
MEAN WEIGHT (KG)	1.30	2.10	1.54	0.96	1.51
TOTAL WEIGHT LANDED (TONS)	-	-	2661	-	-
ESTIMATED NUMBER LANDED	-	-	1.731 ²⁾	-	-
MESH SIZE (INCHES)	4½	4	-	4½	4½
RANGE OF DEPTHS (FM)	34-70	50	20-115	20-32	40-50

1) UNITED STATES/CANADA CO-OPERATIVE PROGRAMME

2) MILLIONS

TABLE 55
(CONT'D)

LENGTH FREQUENCIES - HADDOCK - 4X - 1961

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR CATCHES/LANDINGS	LONG LINE (COMMERCIAL)			
	LANDINGS			
MONTH	JANUARY	FEBRUARY/APRIL	JUNE	MAY/JULY
COUNTRY	CANADA (MARITIMES)	U.S./CAN. 1)	CANADA (MARITIMES)	U.S./CAN. 1)
TONNAGE	26-50	NK	0-25	NK
94-95	4	-	-	-
96-97	10	-	-	-
98-99	18	-	-	-
40-41	16	5	5	5
42-43	50	10	10	10
44-45	64	20	20	20
46-47	77	80	80	80
48-49	88	90	90	90
50-51	101	85	85	85
52-53	120	135	135	135
54-55	112	110	110	110
56-57	107	90	90	90
58-59	73	105	105	105
60-61	37	60	60	60
62-63	51	70	70	70
64-65	38	50	50	50
66-67	11	35	35	35
68-69	11	30	30	30
70-71	4	15	15	15
72-73	2	10	10	10
74-75	4	-	-	-
76-77	2	-	-	-
TOTAL ‰	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-
NUMBER OF SAMPLES	3	1	1	1
NUMBER OF FISH MEASURED	600	200	200	200
MEAN LENGTH (CM)	52.7	56.1	55.6	56.1
MEAN WEIGHT (KG)	1.76	1.81	1.75	1.81
TOTAL WEIGHT LANDED (TONS)	-	1124	-	1172
ESTIMATED NUMBER LANDED	-	0.621 ²⁾	-	0.648 ²⁾
HOOK SIZE	6/0	-	NO. 16	-
RANGE OF DEPTHS (FM)	28-50	-	25-30	-

1) UNITED STATES/CANADA CO-OPERATIVE PROGRAMME

2) MILLIONS

TABLE 55
(CONT'D)

LENGTH FREQUENCIES - HADDOCK - 4X - 1961

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	LONG LINE (COMMERCIAL)			HAND LINE (COMMERCIAL)
	LANDINGS			
CATCHES/LANDINGS	AUGUST/OCTOBER		NOVEMBER	OCTOBER
MONTH	U.S./CAN. 1)		CANADA (MARITIMES)	
COUNTRY	U.S./CAN. 1)		CANADA (MARITIMES)	
TONNAGE	NK	0-25	26-50	0-25
30-31	2	3	-	-
32-33	4	3	-	7
34-35	4	7	-	-
36-37	7	7	-	7
38-39	16	20	-	7
40-41	29	33	-	21
42-43	109	110	-	106
44-45	102	137	5	28
46-47	195	216	20	141
48-49	152	157	110	148
50-51	142	147	175	134
52-53	57	30	190	113
54-55	50	37	185	77
56-57	47	27	125	85
58-59	32	23	85	49
60-61	34	43	60	14
62-63	9	-	20	28
64-65	2	-	10	7
66-67	7	-	10	28
68-69	-	-	5	-
TOTAL ‰	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-
NUMBER OF SAMPLES	2	1	1	1
NUMBER OF FISH MEASURED	442	300	200	142
MEAN LENGTH (CM)	49.1	47.7	54.0	50.6
MEAN WEIGHT (KG)	1.29	1.19	1.81	1.51
TOTAL WEIGHT LANDED (TONS)	1317	-	-	-
ESTIMATED NUMBER LANDED	1.0192)	-	-	-
HOOK SIZE	-	NO. 16	NO. 11	NO. 16
RANGE OF DEPTHS (FM)	-	30-40	40-70	20

1) UNITED STATES/CANADA CO-OPERATIVE PROGRAMME

2) MILLIONS

TABLE 56

LENGTH FREQUENCIES - HADDOCK - 5Y - 1961

(FREQUENCIES IN %/00 - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)			
	LANDINGS			
CATCHES/LANDINGS				
MONTH	FEBRUARY/APRIL	MAY/JULY	AUGUST/OCTOBER	NOVEMBER/JANUARY
COUNTRY	UNITED STATES/CANADA Co-OPERATIVE PROGRAMME			
TONNAGE	NK			
34-35	-	1	1	-
36-37	8	3	2	2
38-39	30	14	6	18
40-41	80	39	46	66
42-43	94	88	85	188
44-45	108	109	109	176
46-47	97	114	166	153
48-49	83	87	107	109
50-51	75	85	71	73
52-53	79	81	45	51
54-55	84	84	59	40
56-57	71	79	39	34
58-59	62	64	52	24
60-61	46	47	41	23
62-63	32	47	48	21
64-65	22	28	38	12
66-67	13	25	35	7
68-69	7	10	20	5
70-71	4	4	15	3
72-73	3	3	10	1
74-75	2	-	8	-
76-77	-	-	2	-
78-79	-	-	1	-
TOTAL %/00	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-
NUMBER OF SAMPLES	36	24	20	21
NUMBER OF FISH MEASURED	3183	1953	1581	1712
MEAN LENGTH (CM)	50.9	52.1	52.4	48.3
MEAN WEIGHT (KG)	1.43	1.50	1.67	1.28
TOTAL WEIGHT LANDED (TONS)	1485	1218	1640	1281
EST. NO. LANDED (MILLIONS)	1.041	0.812	0.981	0.997
MESH OR HOOK SIZE	-	-	-	-
RANGE OF DEPTHS (FM)	14-110	15-90	15-115	18-120

TABLE 57

LENGTH FREQUENCIES - HADDOCK - 5Z - 1961

(FREQUENCIES IN $\text{0}/\text{00}$ - 2 CM GROUPS)

GEAR	ALL GEARS (COMMERCIAL) ¹⁾					
	LANDINGS					
CATCHES/LANDINGS	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
MONTH	UNITED STATES ²⁾					
COUNTRY	NK					
TONNAGE						
32-33	1	-	1	-	-	-
34-35	2	3	3	3	4	4
36-37	19	12	6	15	20	22
38-39	39	20	25	47	69	67
40-41	63	52	51	77	77	100
42-43	92	99	96	100	101	196
44-45	124	99	121	109	110	121
46-47	118	119	118	110	114	120
48-49	90	102	111	101	106	122
50-51	71	76	84	81	80	90
52-53	56	72	56	54	62	55
54-55	54	48	44	44	44	39
56-57	45	55	50	45	42	24
58-59	45	52	49	44	36	21
60-61	34	44	41	41	35	19
62-63	41	38	35	28	30	17
64-65	36	39	29	27	26	13
66-67	28	31	25	27	18	10
68-69	22	22	20	18	13	8
70-71	13	19	14	12	9	5
72-73	9	8	9	9	5	3
74-75	5	5	6	6	3	2
76-77	4	2	3	1	1	2
78-79	1	1	2	1	1	-
80-81	-	-	1	-	-	-
TOTAL $\text{0}/\text{00}$	1000	1000	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	35	49	44	68	91	72
NUMBER OF FISH MEASURED	2532	3405	3524	5166	7297	5840
MEAN LENGTH (CM)	51.5	52.1	51.6	50.7	49.8	48.0
MEAN WEIGHT (KG)	1.60	1.58	1.41	1.39	1.36	1.23
TOTAL WEIGHT LANDED (TONS)	2958	3317	2900	4926	5440	4918
EST. NO. LANDED (MILLIONS)	1.845	2.101	2.062	3.545	4.008	4.019
MESH OR HOOK SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	25-160	28-120	16-105	15-115	12-120	14-190

1) APPROXIMATELY 98% OTTER TRAWL

2) CANADIAN LANDINGS IN METRIC TONS ROUND FRESH FROM 5Z WERE APPROXIMATELY:

MAY	-	1
JULY	-	1
NOVEMBER	-	92
DECEMBER	-	38

TABLE 57
(CONT'D)

LENGTH FREQUENCIES - HADDOCK - 5Z - 1961

(FREQUENCIES IN %/00 - 2 CM GROUPS)

GEAR	ALL GEARS (COMMERCIAL) 1)					
	LANDINGS					
CATCHES/LANDINGS	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY (1962)
MONTH	UNITED STATES ²⁾					
COUNTRY	NK					
TONNAGE						
32-33	-	-	-	-	1	-
34-35	4	1	2	-	11	-
36-37	20	17	10	7	18	1
38-39	64	57	39	29	46	17
40-41	113	100	124	85	94	42
42-43	150	152	194	197	119	100
44-45	142	148	186	198	192	190
46-47	126	120	142	130	198	121
48-49	112	126	108	133	97	110
50-51	74	98	69	90	99	86
52-53	57	57	49	71	62	78
54-55	31	30	27	52	42	68
56-57	25	21	18	33	27	48
58-59	18	18	10	25	19	49
60-61	17	16	9	15	28	36
62-63	14	10	6	14	24	37
64-65	11	9	5	12	20	24
66-67	8	7	3	10	9	23
68-69	4	5	2	7	7	14
70-71	4	4	1	5	9	11
72-73	3	2	1	3	2	4
74-75	2	1	1	1	2	4
76-77	1	1	-	2	-	2
78-79	-	-	-	1	-	1
TOTAL %/00	1000	1000	1000	1000	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	79	48	47	33	25	17
NUMBER OF FISH MEASURED	6019	3163	3293	2524	1759	1595
MEAN LENGTH (CM)	47.4	47.5	46.4	48.8	48.6	51.4
MEAN WEIGHT (KG)	1.21	1.23	1.13	1.34	1.36	1.59
TOTAL WEIGHT LANDED (TONS)	4548	3861	5954	3722	3077	3513
EST. NO. LANDED (MILLIONS)	3.750	3.129	5.276	2.783	2.270	2.211
MESH OR HOOK SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	10-125	12-125	19-140	20-128	10-145	19-175

1) APPROXIMATELY 98% OTTER TRAWL.

2) CANADIAN LANDINGS IN METRIC TONS ROUND FRESH FROM 5Z WERE APPROXIMATELY:

MAY	-	1
JULY	-	1
NOVEMBER	-	92
DECEMBER	-	38

TABLE 58 AGE/LENGTH KEYS AND FREQUENCIES (HADDOCK) - 1961
(AVAILABLE ON REQUEST FROM THE SECRETARIAT)

IN ACCORDANCE WITH A RECOMMENDATION MADE BY THE RESEARCH AND STATISTICS COMMITTEE AT THEIR ANNUAL MEETING IN 1962, 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 HADDOCK ARE NOW ON FILE IN THE SECRETARIAT. (THE NUMERALS IN THE COLUMNS REPRESENT THE NUMBER OF SAMPLES HELD ON FILE FOR EACH DIVISION, MONTH AND COUNTRY.)

ALL GEARS* - BY DIVISIONS, MONTHS AND COUNTRIES

DIVISION	MONTH	UNITED STATES
5Z	JANUARY	
	FEBRUARY	
	MARCH	
	APRIL	
	MAY	
	JUNE	
	JULY	
	AUGUST	
	SEPTEMBER	
	OCTOBER	
	NOVEMBER	
	DECEMBER	
TOTAL		12

* 98% OTTER TRAWL

TABLE 59 LENGTH FREQUENCIES - REDFISH ¹⁾ - ID - 1961 (FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES/LANDINGS			LANDINGS					
MONTH	APRIL			OCTOBER			OCTOBER		
COUNTRY	"MARINUS"			ICELAND			"MARINUS"		
SPECIES OR TYPE	"MARINUS"			"MARINUS"			"MARINUS"		
SEX	00	99	00	00	99	00	00	99	00
TONNAGE				NK					
27	-	-	-	-	-	10	-	-	-
28	-	-	-	-	-	-	-	-	-
30	-	-	3	-	-	-	-	-	-
31	-	-	-	-	-	10	-	-	-
32	-	-	7	-	-	20	-	-	-
33	-	-	-	-	-	10	-	-	6
34	-	-	10	-	-	10	-	-	6
35	-	-	17	-	-	20	-	-	11
36	-	-	10	-	-	10	-	-	11
37	-	-	14	-	-	10	-	-	23
38	-	-	14	-	-	40	-	-	11
39	-	-	38	-	-	30	-	-	40
40	-	-	42	-	-	20	-	-	63
41	-	-	59	-	-	30	-	-	28
42	-	-	59	-	-	60	-	-	51
43	-	-	98	-	-	110	-	-	80
44	-	-	98	-	-	100	-	-	80
45	-	-	90	-	-	90	-	-	80
46	-	-	111	-	-	140	-	-	57
47	-	-	62	-	-	80	-	-	91
48	-	-	66	-	-	50	-	-	68
49	-	-	52	-	-	80	-	-	46
50	-	-	24	-	-	30	-	-	86
51	-	-	14	-	-	10	-	-	28
52	-	-	21	-	-	-	-	-	17
53	-	-	14	-	-	-	-	-	23
54	-	-	3	-	-	-	-	-	17
55	-	-	7	-	-	-	-	-	11
56	-	-	14	-	-	-	-	-	6
57	-	-	7	-	-	-	-	-	6
58	-	-	3	-	-	-	-	-	-
59	-	-	3	-	-	10	-	-	6
60	-	-	-	-	-	-	-	-	-
61	-	-	7	-	-	10	-	-	-
62	-	-	7	-	-	-	-	-	6
63	-	-	7	-	-	-	-	-	17
64	-	-	-	-	-	10	-	-	6
65	-	-	10	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-
67	-	-	3	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	11
69	-	-	-	-	-	-	-	-	-
70	-	-	3	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	6
72	-	-	3	-	-	-	-	-	-
TOTAL %/00	-	-	1000	-	-	1000	-	-	998
NUMBER OF FISH MEASURED	-	-	289	-	-	100	-	-	175

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 59 LENGTH FREQUENCIES - REDFISH¹⁾ - 10²⁾ - 1961 (FREQUENCIES IN ^o/100 - 1 CM GROUPS)
(CONT'D)

GEAR	SHRIMP TRAWL-SINGLE HAUL (RESEARCH)								
CATCHES/LANDINGS	NK								
MONTH	JANUARY			FEBRUARY			MARCH		
COUNTRY	DENMARK (GREENLAND)								
SPECIES OR TYPE									
SEX	06 ^o	09 ^o	09 ^o	06 ^o	09 ^o	09 ^o	06 ^o	09 ^o	09 ^o
TONNAGE	NK								
6	-	-	-	-	-	-	-	-	3
7	-	-	-	-	-	-	-	-	8
8	-	-	2	-	-	2	-	-	2
9	-	-	8	-	-	8	-	-	11
10	-	-	33	-	-	22	-	-	32
11	-	-	56	-	-	38	-	-	32
12	-	-	116	-	-	116	-	-	103
13	-	-	131	-	-	105	-	-	167
14	-	-	62	-	-	32	-	-	66
15	-	-	34	-	-	38	-	-	28
16	-	-	48	-	-	70	-	-	60
17	-	-	105	-	-	111	-	-	108
18	-	-	133	-	-	115	-	-	118
19	-	-	57	-	-	75	-	-	98
20	-	-	57	-	-	65	-	-	69
21	-	-	56	-	-	69	-	-	35
22	-	-	41	-	-	32	-	-	26
23	-	-	8	-	-	18	-	-	6
24	-	-	8	-	-	21	-	-	1
25	-	-	8	-	-	17	-	-	2
26	-	-	10	-	-	19	-	-	3
27	-	-	3	-	-	13	-	-	2
28	-	-	5	-	-	7	-	-	4
29	-	-	3	-	-	4	-	-	3
30	-	-	5	-	-	2	-	-	-
31	-	-	-	-	-	2	-	-	2
32	-	-	-	-	-	1	-	-	1
33	-	-	2	-	-	1	-	-	2
34	-	-	2	-	-	-	-	-	1
35	-	-	2	-	-	-	-	-	3
36	-	-	2	-	-	1	-	-	-
37	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	1
40	-	-	-	-	-	1	-	-	1
>40	-	-	3	-	-	1	-	-	2
TOTAL ^o /100	-	-	1000	-	-	1000	-	-	1000
NUMBER OF FISH MEASURED	-	-	610	-	-	2594	-	-	1444

- 1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.
- 2) GODTHÅB FJORD 64° 25' N - 50° 19' W

TABLE 59
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - (D²⁾ - 1961

(FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	SHRIMP TRAWL-SINGLE HAUL (RESEARCH)								
	APRIL			MAY			JULY		
CATCHES/LANDINGS	NK								
MONTH	APRIL			MAY			JULY		
COUNTRY	DENMARK (GREENLAND)								
SPECIES OR TYPE									
SEX	♂♂	♀♀	♂♀	♂♂	♀♀	♂♀	♂♂	♀♀	♂♀
TONNAGE	NK								
7	-	-	15	-	-	7	-	-	-
8	-	-	4	-	-	15	-	-	19
9	-	-	6	-	-	7	-	-	45
10	-	-	32	-	-	51	-	-	32
11	-	-	42	-	-	26	-	-	58
12	-	-	100	-	-	70	-	-	58
13	-	-	177	-	-	232	-	-	109
14	-	-	119	-	-	153	-	-	269
15	-	-	31	-	-	59	-	-	129
16	-	-	39	-	-	46	-	-	51
17	-	-	79	-	-	62	-	-	32
18	-	-	105	-	-	42	-	-	32
19	-	-	81	-	-	57	-	-	45
20	-	-	39	-	-	46	-	-	19
21	-	-	48	-	-	35	-	-	26
22	-	-	28	-	-	20	-	-	-
23	-	-	16	-	-	15	-	-	19
24	-	-	8	-	-	18	-	-	19
25	-	-	8	-	-	15	-	-	-
26	-	-	7	-	-	7	-	-	6
27	-	-	4	-	-	7	-	-	-
28	-	-	1	-	-	4	-	-	6
29	-	-	5	-	-	2	-	-	-
30	-	-	-	-	-	-	-	-	-
31	-	-	2	-	-	-	-	-	-
32	-	-	1	-	-	-	-	-	6
33	-	-	1	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	6
35	-	-	1	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	13
38	-	-	-	-	-	-	-	-	13
39	-	-	-	-	-	-	-	-	6
40	-	-	-	-	-	-	-	-	-
>40	-	-	1	-	-	4	-	-	-
TOTAL 0/00	-	-	1000	-	-	1000	-	-	1000
NUMBER OF FISH MEASURED	-	-	1367	-	-	454	-	-	156

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

2) GODTHÅB FJORD 64° 25' N - 50° 19' W

TABLE 59 LENGTH FREQUENCIES - REDFISH¹⁾ - ID²⁾ - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)
(CONT'D)

GEAR	SHRIMP TRAWL-SINGLE HAUL (RESEARCH)								
CATCHES/LANDINGS	NK								
MONTH	AUGUST			SEPTEMBER			OCTOBER		
COUNTRY	DENMARK (GREENLAND)								
SPECIES OR TYPE									
SEX	♂♂	♀♀	♂♀	♂♂	♀♀	♂♀	♂♂	♀♀	♂♀
TONNAGE	NK								
7	-	-	3	-	-	-	-	-	-
8	-	-	20	-	-	14	-	-	5
9	-	-	20	-	-	7	-	-	7
10	-	-	3	-	-	2	-	-	-
11	-	-	17	-	-	21	-	-	4
12	-	-	27	-	-	45	-	-	11
13	-	-	65	-	-	102	-	-	35
14	-	-	150	-	-	146	-	-	102
15	-	-	199	-	-	82	-	-	74
16	-	-	59	-	-	31	-	-	37
17	-	-	27	-	-	57	-	-	33
18	-	-	71	-	-	75	-	-	95
19	-	-	78	-	-	99	-	-	128
20	-	-	59	-	-	89	-	-	91
21	-	-	62	-	-	95	-	-	93
22	-	-	55	-	-	43	-	-	80
23	-	-	27	-	-	33	-	-	70
24	-	-	14	-	-	19	-	-	29
25	-	-	20	-	-	7	-	-	15
26	-	-	24	-	-	-	-	-	11
27	-	-	20	-	-	5	-	-	11
28	-	-	7	-	-	7	-	-	16
29	-	-	-	-	-	5	-	-	7
30	-	-	-	-	-	5	-	-	11
31	-	-	-	-	-	7	-	-	9
32	-	-	-	-	-	-	-	-	1
33	-	-	3	-	-	2	-	-	11
34	-	-	-	-	-	2	-	-	4
35	-	-	10	-	-	-	-	-	5
36	-	-	-	-	-	-	-	-	4
37	-	-	3	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-
39	-	-	7	-	-	-	-	-	-
40	-	-	3	-	-	-	-	-	1
>40	-	-	7	-	-	-	-	-	-
TOTAL 0/00	-	-	1000	-	-	1000	-	-	1000
NUMBER OF FISH MEASURED	-	-	294	-	-	419	-	-	546

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

2) GODTHÅB FJORD 64° 25' N - 50° 19' W

TABLE 59 LENGTH FREQUENCIES - REDFISH¹⁾ - 10²⁾ - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)
(CONT'D)

GEAR	SHRIMP TRAWL-SINGLE HAUL (RESEARCH)					
CATCHES/LANDINGS	NK					
MONTH	NOVEMBER			DECEMBER		
COUNTRY	DENMARK (GREENLAND)					
SPECIES OR TYPE						
SEX	♂	♀	♂	♂	♀	♂
TONNAGE	NK					
8	-	-	5	-	-	-
9	-	-	11	-	-	6
10	-	-	3	-	-	5
11	-	-	3	-	-	1
12	-	-	19	-	-	6
13	-	-	25	-	-	7
14	-	-	52	-	-	59
15	-	-	94	-	-	68
16	-	-	41	-	-	59
17	-	-	36	-	-	29
18	-	-	60	-	-	64
19	-	-	80	-	-	104
20	-	-	124	-	-	122
21	-	-	124	-	-	124
22	-	-	77	-	-	84
23	-	-	77	-	-	85
24	-	-	38	-	-	55
25	-	-	19	-	-	19
26	-	-	25	-	-	18
27	-	-	14	-	-	17
28	-	-	19	-	-	14
29	-	-	8	-	-	17
30	-	-	11	-	-	10
31	-	-	5	-	-	8
32	-	-	-	-	-	1
33	-	-	8	-	-	1
34	-	-	5	-	-	5
35	-	-	3	-	-	5
36	-	-	-	-	-	4
37	-	-	-	-	-	-
38	-	-	-	-	-	1
39	-	-	3	-	-	-
40	-	-	3	-	-	1
>40	-	-	8	-	-	1
TOTAL ‰	-	-	1000	-	-	1000
NUMBER OF FISH MEASURED	-	-	364	-	-	824

- 1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.
- 2) GODTHÅB FJORD 64° 25' N - 50° 19' W

TABLE 60 LENGTH FREQUENCIES - REDFISH¹⁾ - 2J - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (EXPLORATORY)								
	CATCHES								
CATCHES/LANDINGS	MARCH			APRIL			MAY		
MONTH									
COUNTRY	U. S. S. R.								
SPECIES OR TYPE	"MENTELLA"								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	1800								
22	-	-	-	-	-	-	-	1	1
23	-	1	1	-	1	1	1	1	2
24	-	7	7	-	-	-	5	2	7
25	1	12	13	1	-	1	4	3	7
26	9	2	11	1	1	2	17	7	24
27	16	10	26	2	3	5	19	14	39
28	19	15	34	4	9	7	19	12	31
29	12	14	26	6	4	10	20	12	32
30	12	16	28	8	5	13	32	19	45
31	28	37	65	9	9	18	31	16	47
32	36	32	68	39	15	54	44	20	64
33	39	42	75	39	40	79	66	23	89
34	29	42	71	52	41	93	72	25	97
35	26	31	57	52	36	88	57	21	78
36	39	38	77	39	39	72	46	25	71
37	30	40	70	50	42	92	36	36	72
38	11	28	39	40	69	109	35	34	69
39	10	17	27	32	57	89	19	21	40
40	24	22	46	26	35	61	17	31	48
41	6	22	28	12	35	47	14	27	41
42	15	23	38	13	37	50	12	29	41
43	2	41	43	10	44	54	2	15	17
44	2	46	48	5	11	16	3	15	18
45	1	18	19	2	9	11	1	9	10
46	1	17	18	-	7	7	-	5	5
47	1	20	21	-	11	11	-	3	3
48	-	17	17	-	2	2	-	4	4
49	-	12	12	-	2	2	-	2	2
50	-	5	5	-	-	-	-	1	1
51	-	9	9	-	-	-	-	1	1
52	-	1	1	-	-	-	-	-	-
TOTAL 0/00	363	637	1000	442	552	994	572	428	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	-	2	2	2	-	-	-
NUMBER OF FISH MEASURED	583	1023	1606	1543	1947	3490	2651	1981	4632
MEAN LENGTH (CM)	34.18	37.71	36.37	31.94	38.14	37.17	33.85	37.57	35.97
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	2783	-	-	2556	-	-	4449
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	232-272	-	-	222-328	-	-	183-312

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 60
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 2J - 1961

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	OTTER TRAWL (EXPLORATORY)					
	CATCHES					
CATCHES/LANDINGS	JULY			SEPTEMBER		
MONTH	U. S. S. R.					
COUNTRY	"MENTELLA"					
SPECIES OR TYPE						
SEX	♂	♀	♂	♀	♂	♀
TONNAGE	1800					
23	-	-	-	1	2	3
24	-	1	1	1	3	4
25	1	2	3	3	5	8
26	2	3	5	7	13	20
27	1	3	4	14	18	32
28	3	5	8	21	30	51
29	3	5	8	18	22	40
30	9	18	27	17	26	43
31	7	12	19	22	32	54
32	13	24	37	37	34	71
33	19	20	39	42	37	79
34	38	35	73	56	37	93
35	100	61	161	51	40	91
36	76	33	109	48	26	74
37	92	50	142	51	33	84
38	71	46	117	34	33	67
39	42	27	69	25	22	47
40	41	45	86	17	22	39
41	13	15	28	11	21	32
42	9	14	23	9	22	31
43	5	8	13	5	14	19
44	3	6	9	1	6	7
45	3	8	11	1	5	6
46	1	2	3	-	1	1
47	-	2	2	-	2	2
48	-	1	1	-	1	1
49	-	1	1	-	1	1
50	-	1	1	-	-	-
TOTAL ‰	552	448	1000	492	508	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	2	2	2	1	1	1
NUMBER OF FISH MEASURED	5921	4798	10719	3572	3673	7245
MEAN LENGTH (CM)	36.50	36.51	36.51	34.63	34.52	34.48
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	29	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE (MM)	-	-	110-120	-	-	110-120
RANGE OF DEPTHS (FM)	-	-	125-250	-	-	-

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 60 LENGTH FREQUENCIES - REDFISH¹⁾ - 2J - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (EXPLORATORY)					
	CATCHES					
CATCHES/LANDINGS	NOVEMBER			DECEMBER		
MONTH						
COUNTRY	U. S. S. R.					
SPECIES OR TYPE	"MENTELLA"					
SEX	♂	♀	♂	♀	♀	♂
TONNAGE	1800					
25	-	-	-	2	-	2
26	-	-	-	4	4	8
27	-	-	-	14	8	22
28	5	5	10	11	9	20
29	-	5	5	11	9	20
30	11	28	39	42	33	75
31	5	5	10	37	18	55
32	17	17	34	50	27	77
33	17	-	17	31	13	44
34	44	39	83	49	20	69
35	50	11	61	106	31	137
36	33	17	50	62	23	85
37	94	73	167	60	17	77
38	66	56	122	44	15	59
39	39	44	83	19	8	27
40	27	67	94	13	27	40
41	11	67	78	5	14	19
42	11	22	33	5	28	33
43	-	28	28	2	33	35
44	-	22	22	-	10	10
45	-	22	22	2	43	45
46	-	5	5	-	7	7
47	-	22	22	-	20	20
48	-	5	5	-	9	9
49	-	5	5	-	3	3
50	-	-	-	-	2	2
51	-	5	5	-	-	-
TOTAL ‰/00	430	570	1000	569	431	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	-	-	-	-
NUMBER OF FISH MEASURED	78	103	181	3641	2753	6394
MEAN LENGTH (CM)	36.42	38.99	37.88	34.36	32.90	35.90
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE (MM)	-	-	110-120	-	-	110-120
RANGE OF DEPTHS (FM)	-	-	155-278	-	-	153-222

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 61 LENGTH FREQUENCIES - REDFISH¹⁾ - 3K - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
	CATCHES					
CATCHES/LANDINGS	FEBRUARY			JUNE		
MONTH	U. S. S. R.					
COUNTRY	"MENTELLA"					
SPECIES OR TYPE	00'	09'	08'	06'	09'	09'
SEX	264-5752)					
TONNAGE						
24	3	-	3	-	-	-
25	1	1	2	-	-	-
26	4	1	5	-	-	-
27	3	1	4	-	-	-
28	31	4	35	-	-	-
29	26	13	39	5	7	12
30	28	13	41	27	2	29
31	41	6	47	24	12	36
32	33	13	46	44	5	49
33	41	9	50	61	2	63
34	55	6	61	100	5	105
35	51	14	65	115	5	120
36	64	10	74	74	17	91
37	64	9	73	81	7	88
38	45	22	67	98	10	108
39	33	24	57	27	34	61
40	21	31	52	-	27	27
41	4	36	40	-	32	32
42	5	49	54	-	37	37
43	-	53	53	-	49	49
44	-	42	42	-	39	39
45	4	28	32	-	25	25
46	-	19	19	-	22	22
47	1	11	12	-	7	7
48	1	11	12	-	-	-
49	2	8	10	-	-	-
50	-	5	5	-	-	-
TOTAL 0/00	561	439	1000	656	344	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	4	-	-	4
NUMBER OF FISH MEASURED	432	340	772	268	140	408
MEAN LENGTH (CM)	34.8	41.0	37.5	36.3	44.2	38.0
MEAN WEIGHT (KG)	0.812	1.330	0.996	0.834	1.470	0.990
TOTAL WEIGHT LANDED (TONS)	-	-	535	-	-	8426
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE (MM)	-	-	110	-	-	110
RANGE OF DEPTH (FM)	-	-	160-219	-	-	175-246

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

2) BMRT 2566 TONS IN FEBRUARY

TABLE 61
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 3K - 1961

(FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
	FEBRUARY			MARCH		
CATCHES/LANDINGS	LANDINGS					
MONTH	FEBRUARY			MARCH		
COUNTRY	ICELAND					
SPECIES OR TYPE	"MENTELLA"					
SEX	06	99	01	06	99	01
TONNAGE	NK					
27	-	-	10	-	-	-
28	-	-	10	-	-	-
29	-	-	20	-	-	-
30	-	-	10	-	-	-
31	-	-	10	-	-	40
32	-	-	20	-	-	10
33	-	-	59	-	-	20
34	-	-	79	-	-	50
35	-	-	158	-	-	50
36	-	-	139	-	-	30
37	-	-	79	-	-	100
38	-	-	50	-	-	100
39	-	-	20	-	-	10
40	-	-	20	-	-	30
41	-	-	119	-	-	80
42	-	-	59	-	-	100
43	-	-	50	-	-	140
44	-	-	20	-	-	80
45	-	-	30	-	-	40
46	-	-	-	-	-	30
47	-	-	-	-	-	40
48	-	-	30	-	-	30
49	-	-	10	-	-	10
50	-	-	-	-	-	10
TOTAL %/00	-	-	1002	-	-	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	-	-	-	-
NUMBER OF FISH MEASURED	-	-	101	-	-	100
MEAN LENGTH (CM)	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH OR HOOK SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	-	-	-	-

- 1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 61
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 3K - 1961

(FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (EXPLORATORY)								
	CATCHES / LANDINGS			CATCHES			CATCHES		
MONTH	JANUARY			FEBRUARY			MARCH		
COUNTRY	U. S. S. R.								
SPECIES OR TYPE	"MENTELLA"								
SEX	00'	99	01	00'	99	01	00'	99	01
TONNAGE	1800								
23	-	-	-	1	-	1	-	-	-
24	1	1	2	-	-	-	-	-	-
25	4	1	5	1	-	1	1	1	2
26	5	2	7	5	1	6	3	1	4
27	16	4	20	9	2	11	3	1	4
28	14	6	20	11	5	16	13	4	17
29	13	5	18	13	4	17	20	6	26
30	36	15	51	34	11	45	21	6	27
31	18	10	28	30	8	38	25	12	37
32	48	17	65	52	13	65	42	13	55
33	25	8	33	56	10	66	52	20	72
34	31	11	42	66	12	78	55	17	72
35	112	23	135	115	21	136	67	16	83
36	64	14	78	67	18	85	49	26	75
37	86	20	106	45	23	68	42	24	66
38	26	18	44	24	26	50	20	34	54
39	17	22	39	11	28	39	14	62	76
40	12	45	57	2	55	57	9	59	68
41	3	36	39	1	48	49	4	70	74
42	2	75	77	1	52	53	2	79	75
43	-	38	38	-	40	40	1	42	43
44	-	22	22	-	28	28	-	32	32
45	1	51	52	-	28	28	-	17	17
46	-	10	10	-	9	9	-	13	13
47	-	8	8	-	7	7	-	3	3
48	-	3	3	-	4	4	-	2	2
49	-	1	1	-	1	1	-	2	2
50	-	-	-	-	1	1	-	1	1
51	-	-	-	-	-	-	-	-	-
52	-	-	-	-	1	1	-	-	-
TOTAL 0/00	534	466	1000	544	456	1000	443	557	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	-	-	-	1	-	-	-
NUMBER OF FISH MEASURED	3446	3004	6450	3893	3269	7162	2092	2632	4724
MEAN LENGTH (CM)	34.26	39.50	36.70	33.86	39.55	36.45	34.05	39.36	37.01
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	30	-	-	535	-	-	62
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH OR HOOK SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	150-209	-	-	150-208	-	-	172-203

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 61 LENGTH FREQUENCIES - REDFISH¹⁾ - 3K - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (EXPLORATORY)					
	CATCHES					
CATCHES/LANDINGS	JULY			OCTOBER		
MONTH	U. S. S. R.					
COUNTRY	"MENTELLA"					
SPECIES OR TYPE						
SEX	00'	00	02	00'	00	02
TONNAGE	1800					
20	-	-	-	3	1	4
21	-	-	-	-	-	-
22	-	-	-	2	2	4
23	-	-	-	3	3	6
24	1	-	1	2	1	3
25	6	9	15	6	5	11
26	6	7	13	6	5	11
27	5	9	14	16	8	24
28	18	35	53	39	14	53
29	13	9	22	21	14	35
30	37	53	90	37	10	47
31	21	28	49	30	18	48
32	45	45	90	61	37	98
33	45	27	72	65	26	91
34	67	51	118	62	34	96
35	112	77	189	38	13	51
36	41	21	62	31	22	53
37	39	23	62	34	40	74
38	30	18	48	28	54	82
39	13	9	22	3	14	17
40	17	21	38	1	23	24
41	3	4	7	1	29	30
42	3	9	12	1	42	43
43	2	5	7	1	33	34
44	-	6	6	-	24	24
45	2	3	5	-	19	19
46	-	2	2	-	7	7
47	-	2	2	-	8	8
48	-	1	1	-	1	1
49	-	-	-	-	1	1
50	-	-	-	-	-	-
51	-	-	-	-	-	-
52	-	-	-	-	1	1
TOTAL 0/00	526	474	1000	491	509	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	-
NUMBER OF FISH MEASURED	964	868	1832	429	445	874
MEAN LENGTH (CM)	34.03	33.72	33.88	32.50	37.05	34.81
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	3
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	150-250	-	-	155-183

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 61
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 3K - 1961

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	OTTER TRAWL (EXPLORATORY)					
	CATCHES					
CATCHES/LANDINGS	NOVEMBER			DECEMBER		
MONTH	U. S. S. R.					
COUNTRY	"MENTELLA"					
SPECIES OR TYPE	60"	99"	60"	66"	99"	69"
SEX	1800					
TONNAGE	1800					
22	-	-	-	-	1	1
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	1	10	11	-	2	2
26	-	11	11	8	4	12
27	-	18	18	7	5	12
28	1	7	8	10	9	19
29	6	16	22	7	9	16
30	16	26	42	39	33	72
31	11	21	32	24	17	41
32	30	16	46	35	27	62
33	16	20	36	13	10	23
34	41	33	74	49	32	81
35	56	36	92	70	49	119
36	56	43	99	44	29	73
37	38	20	58	44	24	68
38	36	18	54	38	26	64
39	16	25	41	18	14	32
40	17	55	72	9	30	39
41	3	49	52	8	23	31
42	3	64	67	6	29	35
43	1	40	41	5	33	38
44	1	52	53	1	41	42
45	1	48	49	2	57	59
46	3	9	12	1	21	22
47	-	6	6	2	15	17
48	-	3	3	-	12	12
49	-	1	1	-	4	4
50	-	-	-	-	4	4
TOTAL ‰/00	353	647	1000	440	560	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	-	-	-	-
NUMBER OF FISH MEASURED	478	877	1355	920	1170	2090
MEAN LENGTH (CM)	35.42	38.00	37.07	34.65	38.56	36.84
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	2	-	-	29
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	161-200	-	-	144-233

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 62 LENGTH FREQUENCIES - REDFISH¹⁾ - 3L - 1961 (FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
CATCHES/LANDINGS	CATCHES								
MONTH	AUGUST-SEPTEMBER								
COUNTRY	POLAND								
SPECIES OR TYPE	"MARINUS"			"MENTELLA"					
SEX	00	99	02	00	99	02	00	99	02
TONNAGE	NK								
23	-	-	-	-	-	-	1	1	2
24	-	-	-	1	1	2	1	0	1
25	-	-	-	2	2	4	3	2	5
26	-	-	12	4	1	5	4	2	6
27	-	-	-	2	7	9	9	4	13
28	-	-	12	3	6	9	4	7	11
29	-	-	-	10	6	16	4	9	7
30	-	-	12	23	11	34	19	12	27
31	-	-	25	19	19	41	19	22	41
32	-	-	12	36	18	54	34	25	59
33	-	-	-	64	29	87	61	34	95
34	-	-	-	95	29	118	64	22	86
35	-	-	12	167	27	194	145	35	180
36	-	-	25	102	34	136	74	27	101
37	-	-	12	45	14	59	53	19	72
38	-	-	25	22	19	41	33	29	62
39	-	-	49	17	28	45	18	40	58
40	-	-	87	2	31	33	0	37	37
41	-	-	25	2	43	44	0	37	37
42	-	-	74	11	29	30	0	27	27
43	-	-	12	11	23	23	0	32	32
44	-	-	-	1	6	6	0	20	20
45	-	-	49	0	7	7	0	9	9
46	-	-	74	0	1	1	0	4	4
47	-	-	100	0	-	-	0	4	4
48	-	-	75	0	1	1	0	1	1
49	-	-	37	0	-	-	0	1	1
50	-	-	12	0	-	-	0	2	2
51	-	-	12	0	-	-	0	-	-
52	-	-	62	0	-	-	0	-	-
53	-	-	25	0	-	-	0	-	-
54	-	-	62	0	-	-	0	-	-
55	-	-	12	0	-	-	0	-	-
56	-	-	62	0	-	-	0	-	-
57	-	-	-	0	-	-	0	-	-
58	-	-	12	0	-	-	0	-	-
59	-	-	-	0	-	-	0	-	-
60	-	-	-	0	-	-	0	-	-
61	-	-	12	0	-	-	0	-	-
TOTAL %/00	-	-	1000	625	375	1000	542	458	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	-	-	-	-	-	-	-
NUMBER OF FISH MEASURED	-	-	81	605	368	973	614	522	1136
MEAN LENGTH (CM)	-	-	45.3	-	-	35.4	-	-	35.9
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	-	-	-	137-148	-	-	159-164

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 62
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 3L - 1961

(FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
CATCHES/LANDINGS	CATCHES								
MONTH	AUGUST-SEPTEMBER								
COUNTRY	POLAND								
SPECIES OR TYPE	"MENTELLA"								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
23	1	1	2	-	-	-	2	-	2
24	1	3	4	-	-	-	-	-	-
25	3	5	8	2	1	3	8	-	8
26	3	5	8	1	-	1	13	4	17
27	3	4	7	2	1	3	33	7	40
28	3	4	7	9	8	17	50	19	69
29	4	4	8	15	13	28	36	29	65
30	7	3	10	6	14	20	23	31	54
31	9	5	14	5	6	11	17	33	50
32	16	8	24	13	10	23	23	46	69
33	42	10	52	25	15	40	19	27	46
34	57	12	69	49	21	70	33	36	69
35	123	17	140	84	31	115	74	33	107
36	92	24	116	48	28	76	48	23	71
37	58	22	80	40	38	78	27	31	58
38	32	41	73	21	36	57	17	27	44
39	9	59	68	8	71	79	7	33	40
40	2	86	88	-	110	110	4	48	52
41	-	66	66	-	81	81	2	27	29
42	-	64	64	-	78	78	4	46	50
43	-	37	37	-	46	46	2	19	21
44	-	28	28	-	32	32	2	13	15
45	-	13	13	-	28	28	1	7	8
46	-	10	10	-	3	3	-	2	2
47	-	4	4	-	1	1	-	10	10
48	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	2	2
50	-	-	-	-	-	-	-	2	2
TOTAL %/00	465	535	1000	328	672	1000	445	555	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	-	-	-	-	-	-	-
NUMBER OF FISH MEASURED	895	1040	1935	214	440	654	213	266	479
MEAN LENGTH (CM)	-	-	37.2	-	-	37.6	-	-	34.6
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	170-175	-	-	180-191	-	-	170-191

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 63 LENGTH FREQUENCIES - REDFISH¹⁾ - 3M - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
	CATCHES					
CATCHES/LANDINGS	JUNE			JULY		
MONTH	U. S. S. R.					
COUNTRY	"MENTELLA"					
SPECIES OR TYPE						
SEX	00	00	00	00	00	00
TONNAGE	264-575					
25	-	2	2	-	-	-
26	1	6	7	3	1	4
27	1	6	7	1	-	1
28	4	3	7	4	1	5
29	3	4	7	4	5	9
30	5	5	10	8	10	18
31	16	10	26	9	12	21
32	37	24	61	26	16	42
33	56	35	91	22	21	43
34	76	68	144	51	32	83
35	75	68	143	42	37	79
36	46	92	138	76	62	138
37	25	120	145	46	53	99
38	8	94	102	25	71	96
39	5	67	72	15	69	84
40	1	23	24	3	69	72
41	-	11	11	1	75	76
42	-	2	2	-	89	89
43	-	1	1	1	25	26
44	-	-	-	-	15	15
TOTAL 0/00	359	641	1000	337	663	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	5	-	-	6
NUMBER OF FISH MEASURED	668	1235	1903	256	508	764
MEAN LENGTH (CM)	34.1	35.9	35.3	35.0	37.0	36.2
MEAN WEIGHT (KG)	0.453	0.576	0.535	0.478	0.612	0.567
TOTAL WEIGHT LANDED (TONS)	-	-	3941	-	-	5434
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE (MM)	-	-	110	-	-	110
RANGE OF DEPTHS (FM)	-	-	169-224	-	-	153-175

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 63
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 3M - 1961

(FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (EXPLORATORY)					
	CATCHES					
CATCHES/LANDINGS	MARCH			JUNE		
MONTH	U. S. S. R.					
COUNTRY	"MENTELLA"					
SPECIES OR TYPE	00'	00	02	00'	00	02
SEX	1800					
TONNAGE	1800					
22	1	-	1	-	1	1
23	-	-	-	-	1	1
24	1	-	1	2	1	3
25	1	1	2	2	4	6
26	2	2	4	6	6	12
27	3	2	5	4	4	8
28	5	3	8	7	6	13
29	8	3	11	18	5	23
30	23	10	33	59	26	85
31	55	23	78	65	31	96
32	64	41	105	86	52	138
33	60	47	107	70	50	120
34	61	58	119	56	68	124
35	61	82	143	70	99	169
36	35	84	119	19	62	81
37	19	67	86	10	43	53
38	10	56	66	7	26	33
39	5	34	39	4	14	18
40	3	31	34	1	11	12
41	1	19	20	-	2	2
42	1	10	11	-	2	2
43	-	4	4	-	-	-
44	-	2	2	-	-	-
45	-	2	2	-	-	-
TOTAL 0/00	419	581	1000	486	514	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	2
NUMBER OF FISH MEASURED	6206	8602	14808	2220	2341	4561
MEAN LENGTH (CM)	33.29	35.74	34.71	32.48	34.15	33.94
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	1795	-	-	151
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	132-317	-	-	180-267

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 63 LENGTH FREQUENCIES - REDFISH¹⁾ - 3M - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (EXPLORATORY)					
	CATCHES					
CATCHES/LANDINGS	OCTOBER			DECEMBER		
MONTH	U. S. S. R.					
COUNTRY	"MENTELLA"					
SPECIES OR TYPE						
SEX	00	01	02	00	01	02
TONNAGE	1800					
12	1	-	1	-	-	-
13	-	-	-	-	-	-
14	1	-	1	-	-	-
15	5	2	7	-	-	-
16	7	4	11	2	3	5
17	1	1	2	2	-	2
18	-	-	-	2	-	2
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	1	1	-	-	-
22	1	1	2	-	-	-
23	2	1	3	-	-	-
24	4	1	5	3	-	3
25	1	-	1	5	2	7
26	7	5	12	8	3	11
27	8	6	14	8	2	10
28	18	12	30	6	9	15
29	22	9	31	14	6	20
30	44	15	59	48	6	54
31	89	24	107	42	17	59
32	116	45	161	82	57	139
33	99	52	151	71	40	111
34	61	47	108	70	77	147
35	59	53	112	58	103	161
36	22	36	58	22	84	106
37	14	28	42	11	37	48
38	9	31	40	8	42	50
39	3	13	16	2	17	19
40	-	12	12	-	17	17
41	-	6	6	-	5	5
42	-	3	3	-	2	2
43	1	2	3	-	5	5
44	-	-	-	-	-	-
45	-	-	-	-	-	-
46	-	-	-	-	2	2
TOTAL 0/00	589	410	999	464	536	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	-
NUMBER OF FISH MEASURED	1788	2584	4372	298	348	646
MEAN LENGTH (CM)	31.80	33.69	32.59	32.32	34.92	33.65
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	10	-	-	899
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	114-272	-	-	217-222

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 64 LENGTH FREQUENCIES - REDFISH¹⁾ - 3N - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
CATCHES/LANDINGS	LANDINGS								
MONTH	JANUARY			FEBRUARY			MARCH		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	51-500								
19	-	-	-	-	-	-	17	-	10
20	-	23	10	-	-	-	-	-	-
21	18	23	20	52	48	50	-	-	-
22	88	70	80	190	119	160	103	71	90
23	175	116	150	121	214	160	155	95	130
24	211	163	190	155	214	180	155	95	130
25	228	70	160	224	143	190	155	238	190
26	158	116	140	190	-	110	155	95	130
27	105	116	110	35	95	60	138	119	130
28	-	70	30	-	48	20	86	48	70
29	18	116	60	-	71	30	-	24	10
30	-	116	50	17	-	10	-	48	20
31	-	-	-	17	48	30	35	95	60
32	-	-	-	-	-	-	-	24	10
33	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	48	20
TOTAL ‰	1001	999	1000	1001	1000	1000	999	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	1	-	-	1
NUMBER OF FISH MEASURED	57	43	100	58	42	100	58	42	100
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE (INCHES)	-	-	2 3/4	-	-	2 3/4	-	-	2 3/4
RANGE OF DEPTHS (FM)	-	-	100-110	-	-	125-140	-	-	140-175

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 64 LENGTH FREQUENCIES - REDFISH¹⁾ - 3N - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)								
	LANDINGS								
CATCHES/LANDINGS	APRIL			JUNE			JULY		
MONTH	UNITED STATES								
COUNTRY	"MARINUS"								
SPECIES OR TYPE									
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
21	19	21	20	23	-	10	-	-	-
22	39	21	30	23	18	20	10	-	5
23	154	63	110	70	53	60	61	-	30
24	77	83	80	70	140	110	133	39	85
25	173	146	160	116	88	100	112	108	110
26	211	146	180	209	53	120	184	128	155
27	154	125	140	70	105	90	184	88	135
28	19	104	60	139	70	100	51	69	60
29	77	104	90	23	70	50	71	88	80
30	39	83	60	139	70	100	92	147	120
31	-	63	30	93	70	80	20	49	35
32	-	42	20	23	-	10	10	10	10
33	39	-	20	-	88	50	41	49	45
34	-	-	-	-	53	30	20	29	25
35	-	-	-	-	18	10	10	39	25
36	-	-	-	-	70	40	-	39	20
37	-	-	-	-	18	10	-	49	25
38	-	-	-	-	18	10	-	10	5
39	-	-	-	-	-	-	-	29	15
40	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	20	10
42	-	-	-	-	-	-	-	10	5
TOTAL 0/00	1001	1001	1000	998	1002	1000	999	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	1	-	-	2
NUMBER OF FISH MEASURED	52	48	100	43	57	100	98	102	200
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	140-170	-	-	115-160	-	-	120-200

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 64 LENGTH FREQUENCIES - REDFISH¹⁾ - 3N - 1961 (FREQUENCIES IN ⁰/00 - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)					
	LANDINGS					
CATCHES/LANDINGS	JULY			AUGUST		
MONTH	CANADA (NEWFOUNDLAND)					
COUNTRY	"MENTELLA" ²⁾					
SPECIES OR TYPE	08	09	09	08	09	09
SEX	151-500					
TONNAGE						
15	-	-	-	-	4	4
16	-	-	-	4	-	4
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	3	3	6	-	-	-
23	20	7	27	8	-	8
24	47	23	70	67	21	88
25	53	37	90	46	25	71
26	70	27	97	71	42	113
27	60	30	90	83	38	121
28	13	50	63	79	33	112
29	10	86	96	42	33	75
30	23	50	73	25	29	54
31	20	43	63	29	42	71
32	13	83	96	25	33	58
33	13	37	50	8	33	41
34	3	37	40	4	33	37
35	13	30	43	4	25	29
36	-	17	17	4	21	25
37	-	40	40	-	29	29
38	-	23	23	-	25	25
39	-	-	-	-	13	13
40	-	3	3	-	13	13
41	-	10	10	-	8	8
42	-	-	-	-	-	-
43	-	3	3	-	-	-
TOTAL ⁰ /00	361	639	1000	499	500	999
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	1
NUMBER OF FISH MEASURED	109	192	301	120	120	240
MEAN LENGTH (CM)	-	-	29.55	-	-	29.32
MEAN WEIGHT (KG)	-	-	0.38	-	-	0.39
TOTAL WEIGHT LANDED (TONS)	-	-	132	-	-	123
ESTIMATED NUMBER LANDED	-	-	351734	-	-	317105
MESH SIZE	-	-	L-M ³⁾	-	-	L-M ³⁾
RANGE OF DEPTHS (FM)	-	-	150-190	-	-	140-180

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

2) ONE "MARINUS" TYPE (34 CM) IN SAMPLE FOR JULY

3) (LARGE MESH SIZES RANGE FROM 3 7/8 INCHES TO 4 3/4 INCHES; SMALL MESH SIZE 2 3/4 INCHES)

L = LARGE
M = MANILLA

TABLE 64 LENGTH FREQUENCIES - REDFISH¹⁾ - 3N - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)								
	LANDINGS								
CATCHES/LANDINGS	AUGUST			SEPTEMBER			OCTOBER		
MONTH	UNITED STATES								
COUNTRY	"MARINUS"								
SPECIES OR TYPE	06	99	09	06	99	09	06	99	09
SEX	NK								
TONNAGE									
21	21	-	10	19	-	10	-	-	-
22	21	10	15	96	-	50	43	7	27
23	93	29	60	173	21	100	190	73	137
24	72	87	80	211	83	150	221	102	167
25	113	116	115	115	146	130	184	190	186
26	194	107	120	211	83	150	184	146	167
27	165	68	115	96	104	100	86	88	87
28	124	58	90	58	104	80	18	117	63
29	62	78	70	19	146	80	18	51	33
30	31	68	50	-	83	40	12	102	53
31	72	107	90	-	104	50	12	80	43
32	21	78	50	-	42	20	6	15	10
33	31	58	45	-	42	20	12	-	7
34	10	19	15	-	42	20	6	22	13
35	-	19	10	-	-	-	6	7	7
36	10	58	35	-	-	-	-	-	-
37	-	19	10	-	-	-	-	-	-
38	-	10	5	-	-	-	-	-	-
39	10	10	10	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-
42	10	-	5	-	-	-	-	-	-
TOTAL 0/00	1000	999	1000	998	1000	1000	998	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	2	-	-	1	-	-	3
NUMBER OF FISH MEASURED	97	103	200	52	48	100	163	137	300
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	140-200	-	-	155-180	-	-	150-200

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 64
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 3N - 1961(FREQUENCIES IN ⁰/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
CATCHES/LANDINGS	LANDINGS					
MONTH	NOVEMBER			NOVEMBER		
COUNTRY	CANADA (NEWFOUNDLAND)					
SPECIES OR TYPE	"MENTELLA"					
SEX	♂	♀	♂	♂	♀	♂
TONNAGE	151-500					
14	-	-	-	3	-	3
15	-	-	-	-	3	3
16	-	-	-	-	-	-
17	-	-	-	3	-	3
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	12	6	18
21	-	-	-	9	6	15
22	9	3	12	61	23	84
23	20	3	23	87	32	119
24	14	11	25	113	52	165
25	48	43	91	99	49	148
26	125	40	165	90	29	119
27	71	40	111	44	26	70
28	71	60	131	38	20	58
29	54	54	108	17	17	34
30	20	60	80	20	23	43
31	17	43	60	12	20	32
32	11	46	57	9	12	21
33	11	23	34	-	3	3
34	-	28	28	3	12	15
35	3	17	20	-	6	6
36	-	11	11	-	15	15
37	-	17	17	-	6	6
38	-	6	6	-	3	3
39	-	6	6	-	12	12
40	-	9	9	-	3	3
41	-	6	6	-	3	3
42	-	-	-	-	-	-
43	-	3	3	-	-	-
TOTAL ⁰ /00	474	529	1003	620	381	1001
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	1
NUMBER OF FISH MEASURED	167	185	352	213	131	344
MEAN LENGTH (CM)	-	-	28.74	-	-	25.97
MEAN WEIGHT (KG)	-	-	0.41	-	-	0.30
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	515 ²⁾
ESTIMATED NUMBER LANDED	-	-	-	-	-	169212 ²⁾
MESH SIZE	-	-	L-M ³⁾	-	-	S-M ³⁾
RANGE OF DEPTHS (FM)	-	-	150-190	-	-	140-180

- 1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.
 - 2) THESE FIGURES ARE FOR BOTH LARGE AND SMALL MESH GEARS - NOVEMBER
 - 3) (LARGE MESH SIZES RANGE FROM 3 7/8 INCHES TO 4 3/4 INCHES; SMALL MESH SIZE 2 3/4 INCHES)
- L = LARGE
M = MANILLA
S = SMALL

TABLE 64 LENGTH FREQUENCIES - REDFISH¹⁾ - 3N - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)					
CATCHES/LANDINGS	LANDINGS					
MONTH	NOVEMBER			DECEMBER		
COUNTRY	UNITED STATES					
SPECIES OR TYPE	"MARINUS"					
SEX	♂	♀	♂	♂	♀	♂
TONNAGE	NK					
19	-	-	-	6	-	2
20	-	-	-	6	-	2
21	-	-	-	28	5	15
22	57	-	20	88	5	42
23	229	61	120	139	41	82
24	286	139	190	149	132	140
25	86	123	110	232	151	189
26	171	108	130	133	100	115
27	86	139	120	105	46	72
28	29	154	110	66	73	70
29	-	61	40	22	91	60
30	57	61	60	22	91	60
31	-	77	50	11	59	38
32	-	46	30	-	50	28
33	-	15	10	-	50	28
34	-	15	10	-	23	12
35	-	-	-	-	36	20
36	-	-	-	-	32	18
37	-	-	-	-	9	5
38	-	-	-	-	5	2
TOTAL ‰	1001	999	1000	1001	999	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	4
NUMBER OF FISH MEASURED	35	65	100	181	219	400
MEAN LENGTH (CM)	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	140-165	-	-	140-240

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 65 LENGTH FREQUENCIES - REDFISH¹⁾ - 30 - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES/LANDINGS			LANDINGS			LANDINGS		
MONTH	FEBRUARY			MAY			JUNE		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
19	22	-	10	-	-	-	-	-	-
20	22	-	10	-	-	-	-	-	-
21	65	-	30	-	-	-	7	-	3
22	87	130	110	7	31	20	52	18	33
23	239	241	240	100	62	80	104	54	77
24	196	241	220	150	87	117	127	78	100
25	217	148	180	264	144	201	216	115	160
26	152	93	120	279	169	221	134	96	113
27	-	56	30	164	112	136	179	96	133
28	-	56	30	29	94	63	82	108	97
29	-	-	-	7	131	73	60	84	73
30	-	-	-	-	119	63	15	108	67
31	-	18	10	-	25	13	7	60	37
32	-	-	-	-	19	10	7	102	60
33	-	-	-	-	-	-	7	30	20
34	-	18	10	-	6	3	-	30	17
35	-	-	-	-	-	-	-	12	7
36	-	-	-	-	-	-	-	6	3
TOTAL 0/00	1000	1001	1000	1000	999	1000	997	997	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	3	-	-	3
NUMBER OF FISH MEASURED	46	54	100	140	160	300	134	166	300
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	150-200	-	-	68-200	-	-	150-240

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 65 LENGTH FREQUENCIES - REDFISH¹⁾ - 30 - 1961 (FREQUENCIES IN ⁰/100 - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)								
CATCHES/LANDINGS	LANDINGS								
MONTH	AUGUST			SEPTEMBER			NOVEMBER		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	♂	♀	Ø	♂	♀	Ø	♂	♀	Ø
TONNAGE	NK								
17	-	-	-	3	2	2	-	-	-
18	-	-	-	-	-	-	-	-	-
19	-	-	-	6	-	2	-	-	-
20	-	-	-	12	4	8	25	-	10
21	-	8	5	26	2	12	37	8	20
22	36	8	20	63	15	36	37	17	25
23	85	21	48	140	47	88	188	75	120
24	127	34	72	180	89	129	213	108	150
25	194	60	115	203	82	136	75	117	100
26	236	77	142	169	73	115	213	50	115
27	176	111	138	129	102	114	162	108	130
28	109	132	122	52	113	86	25	117	80
29	30	140	95	6	155	90	25	108	75
30	-	183	108	9	124	74	-	125	75
31	6	123	75	-	124	70	-	117	70
32	-	51	30	3	42	25	-	33	20
33	-	21	12	-	20	11	-	8	5
34	-	13	8	-	4	2	-	-	-
35	-	13	8	-	-	-	-	8	5
36	-	4	2	-	-	-	-	-	-
TOTAL ⁰ /100	999	999	1000	1001	998	1000	1000	999	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	4	-	-	8	-	-	2
NUMBER OF FISH MEASURED	165	235	400	349	451	800	80	120	200
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	160-240	-	-	150-220	-	-	170-230

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 65
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 30 - 1961

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)		
CATCHES/LANDINGS	LANDINGS		
MONTH	DECEMBER		
COUNTRY	UNITED STATES		
SPECIES OR TYPE	"MARINUS"		
SEX	♂	♀	84
TONNAGE	NK		
19	10	-	5
20	-	-	-
21	30	-	15
22	59	40	50
23	138	71	105
24	149	152	150
25	178	131	155
26	178	111	145
27	129	51	90
28	50	101	75
29	20	30	25
30	20	71	45
31	20	61	40
32	-	40	20
33	-	30	15
34	-	61	30
35	-	40	20
36	10	-	5
37	-	10	5
38	-	-	-
39	10	-	5
TOTAL ‰	1001	1000	1000
SERIAL NUMBERS	-	-	-
NUMBER OF SAMPLES	-	-	2
NUMBER OF FISH MEASURED	101	99	200
MEAN LENGTH (CM)	-	-	-
MEAN WEIGHT (KG)	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-
ESTIMATED NUMBER LANDED	-	-	-
MESH SIZE	-	-	-
RANGE OF DEPTHS (FM)	-	-	120-160

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 66 LENGTH FREQUENCIES - REDFISH¹⁾ - 4R - 1961 (FREQUENCIES IN ⁰/₀₀ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)		
CATCHES/LANDINGS	LANDINGS		
MONTH	NOVEMBER		
COUNTRY	CANADA (MARITIMES)		
SPECIES OR TYPE			
SEX	00'	00'	00'
TONNAGE	151-500		
21	5	-	5
22	10	5	15
23	2	2	4
24	17	2	19
25	2	-	2
26	12	-	12
27	22	2	24
28	24	10	34
29	24	15	39
30	22	-	22
31	38	15	53
32	34	24	58
33	55	69	124
34	50	69	119
35	53	134	187
36	26	103	129
37	24	55	79
38	7	31	38
39	-	14	14
40	-	7	7
41	-	7	7
42	-	2	2
43	-	2	2
44	-	5	5
TOTAL ⁰ / ₀₀	427	573	1000
SERIAL NUMBERS	-	-	-
NUMBER OF SAMPLES	-	-	1
NUMBER OF FISH MEASURED	178	240	418
MEAN LENGTH (CM)	-	-	39.4
MEAN WEIGHT (KG)	-	-	0.56
TOTAL WEIGHT LANDED (TONS)	-	-	-
ESTIMATED NUMBER LANDED	-	-	-
MESH SIZE (INCHES)	-	-	4 1/2
RANGE OF DEPTHS (FM)	-	-	151-200

- 1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 67 LENGTH FREQUENCIES - REDFISH¹⁾ - 4S - 1961 (FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
CATCHES/LANDINGS	LANDINGS								
MONTH	JUNE			JULY			AUGUST		
COUNTRY	CANADA (QUEBEC)								
SPECIES OR TYPE									
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	51-150								
26	-	-	2	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	1	-	-	-
29	-	-	9	-	-	6	-	-	-
30	-	-	9	-	-	11	-	-	1
31	-	-	11	-	-	11	-	-	6
32	-	-	23	-	-	28	-	-	19
33	-	-	73	-	-	59	-	-	47
34	-	-	120	-	-	110	-	-	115
35	-	-	218	-	-	141	-	-	152
36	-	-	225	-	-	170	-	-	159
37	-	-	148	-	-	144	-	-	147
38	-	-	68	-	-	107	-	-	126
39	-	-	20	-	-	67	-	-	86
40	-	-	30	-	-	80	-	-	86
41	-	-	18	-	-	40	-	-	37
42	-	-	14	-	-	16	-	-	15
43	-	-	5	-	-	4	-	-	2
44	-	-	-	-	-	2	-	-	1
45	-	-	2	-	-	1	-	-	-
46	-	-	2	-	-	1	-	-	-
47	-	-	-	-	-	-	-	-	-
48	-	-	2	-	-	1	-	-	-
TOTAL %/00	-	-	999	-	-	1000	-	-	999
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	6	-	-	11
NUMBER OF FISH MEASURED	-	-	440	-	-	2800	-	-	5455
MEAN LENGTH (CM)	-	-	35.77	-	-	36.43	-	-	36.66
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE (INCHES)	-	-	3½	-	-	3½	-	-	3½
RANGE OF DEPTHS (FM)	-	-	100-150	-	-	100-150	-	-	100-150

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 68 LENGTH FREQUENCIES - REDFISH¹⁾ - 4V - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES/LANDINGS			LANDINGS					
MONTH	MAY			JUNE			JULY		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS" ¹⁾								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
18	4	-	2	2	-	1	6	2	4
19	-	-	-	-	-	-	11	3	7
20	8	4	6	6	4	5	9	6	8
21	12	-	6	6	2	4	16	9	12
22	12	8	10	11	6	8	36	8	22
23	21	23	22	32	13	22	37	27	32
24	71	31	50	91	21	54	103	27	65
25	154	27	88	127	34	78	148	39	93
26	163	66	112	169	57	110	180	55	115
27	179	97	137	182	80	128	144	65	103
28	146	112	129	114	131	123	117	103	110
29	54	81	68	70	110	91	53	86	70
30	83	128	106	44	91	69	34	120	78
31	46	77	62	47	89	69	33	94	64
32	29	62	46	55	49	52	27	91	59
33	13	46	30	23	64	45	16	56	36
34	4	58	32	9	53	32	12	33	23
35	-	43	22	2	51	28	6	41	24
36	-	50	26	-	38	20	6	30	18
37	-	39	20	6	38	23	3	30	17
38	-	35	18	2	32	18	-	29	15
39	-	4	2	2	19	11	2	21	12
40	-	-	-	-	8	4	-	14	7
41	-	4	2	-	6	3	-	5	2
42	-	4	2	-	2	1	-	2	1
43	-	-	-	-	2	1	-	2	1
44	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	2	1
47	-	-	-	-	-	-	-	2	1
TOTAL ‰	999	999	998	1000	1000	1000	999	1002	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	5	-	-	10	-	-	13
NUMBER OF FISH MEASURED	240	258	498	473	527	1000	640	660	1300
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	85-150	-	-	75-160	-	-	90-140

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 68
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 4V - 1961

(FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
	AUGUST			NOVEMBER		
CATCHES/LANDINGS	LANDINGS					
MONTH	AUGUST			NOVEMBER		
COUNTRY	UNITED STATES					
SPECIES OR TYPE	"MARINUS"					
SEX	00	01	02	00	01	02
TONNAGE	NK					
18	10	-	5	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	10	10	10	-	-	-
23	31	-	25	24	-	10
24	41	10	25	49	-	20
25	41	10	25	73	17	40
26	122	10	65	73	-	30
27	204	39	120	219	51	120
28	153	59	105	317	34	150
29	122	59	90	98	51	70
30	71	118	95	73	136	110
31	31	88	60	49	34	40
32	41	78	60	24	203	130
33	71	59	65	-	186	110
34	10	69	40	-	102	60
35	-	69	35	-	102	60
36	20	59	40	-	68	40
37	-	69	35	-	17	10
38	-	98	50	-	-	-
39	-	39	20	-	-	-
40	-	29	15	-	-	-
41	-	10	5	-	-	-
42	-	10	5	-	-	-
43	-	10	5	-	-	-
TOTAL 0/00	998	1002	1000	999	1001	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	2	-	-	1
NUMBER OF FISH MEASURED	98	102	200	41	59	100
MEAN LENGTH (CM)	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	115	-	-	130-150

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 69 LENGTH FREQUENCIES - REDFISH¹⁾ - 4W - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES / LANDINGS			LANDINGS			LANDINGS		
MONTH	JANUARY			FEBRUARY			MARCH		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	♂♂	♀♀	♂♀	♂♂	♀♀	♂♀	♂♂	♀♀	♂♀
TONNAGE	NK								
17	5	-	2	-	8	5	-	-	-
18	9	5	8	-	15	10	20	20	20
19	9	11	10	14	23	20	-	-	-
20	5	-	2	100	31	55	61	-	30
21	79	16	50	129	61	85	163	98	130
22	102	54	80	243	100	150	286	39	160
23	125	43	88	186	146	160	245	157	200
24	153	76	118	200	115	145	143	255	200
25	194	98	149	129	146	140	61	98	80
26	153	114	194	-	146	95	20	98	60
27	69	71	70	-	108	70	-	118	60
28	74	98	85	-	69	45	-	78	40
29	9	87	45	-	15	10	-	39	20
30	14	65	38	-	8	5	-	-	-
31	-	60	28	-	-8	5	-	-	-
32	-	71	32	-	-	-	-	-	-
33	-	76	35	-	-	-	-	-	-
34	-	38	18	-	-	-	-	-	-
35	-	16	8	-	-	-	-	-	-
TOTAL ‰	1000	999	1000	1001	999	1000	999	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	4	-	-	2	-	-	1
NUMBER OF FISH MEASURED	216	184	400	70	130	200	49	51	100
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	60-125	-	-	80-95	-	-	75-80

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 69 LENGTH FREQUENCIES - REDFISH¹⁾ - 4W - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	LANDINGS								
CATCHES/LANDINGS	APRIL			MAY			AUGUST		
MONTH	UNITED STATES								
COUNTRY	"MARINUS"								
SPECIES OR TYPE									
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
15	-	-	-	-	-	-	4	-	2
16	-	-	-	-	-	-	4	-	2
17	-	-	-	8	6	7	12	-	6
18	14	-	7	43	3	20	27	-	14
19	42	-	20	31	12	20	43	17	30
20	70	-	34	46	12	27	70	33	52
21	127	25	74	66	38	50	109	41	76
22	155	63	106	127	53	85	117	62	90
23	225	76	146	189	94	134	179	86	134
24	169	101	133	232	97	154	187	107	148
25	70	127	100	108	111	110	93	115	104
26	99	114	106	89	129	109	62	115	88
27	-	114	60	31	117	80	55	103	78
28	14	165	93	15	117	73	23	103	62
29	14	114	67	8	76	47	-	82	40
30	-	51	27	-	26	15	4	62	32
31	-	38	20	4	23	15	8	21	14
32	-	-	-	4	21	13	4	12	8
33	-	13	7	-	35	20	-	17	8
34	-	-	-	-	29	17	-	12	6
35	-	-	-	-	3	2	-	-	-
36	-	-	-	-	-	-	-	4	2
37	-	-	-	-	3	2	-	-	-
38	-	-	-	-	-	-	-	4	2
39	-	-	-	-	-	-	-	4	2
TOTAL 0/00	999	1001	1000	1001	999	1000	1001	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	2	-	-	6	-	-	5
NUMBER OF FISH MEASURED	71	79	150	259	341	600	257	243	500
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	75-85	-	-	90-110	-	-	65-115

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 69
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 4W - 1961(FREQUENCIES IN $\frac{0}{00}$ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES/LANDINGS			LANDINGS					
MONTH	OCTOBER			NOVEMBER			DECEMBER		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	$\frac{00}{00}$	$\frac{99}{99}$	$\frac{02}{02}$	$\frac{00}{00}$	$\frac{99}{99}$	$\frac{02}{02}$	$\frac{00}{00}$	$\frac{99}{99}$	$\frac{02}{02}$
TONNAGE	NK								
17	-	-	-	9	-	5	9	-	5
18	19	10	15	5	6	5	35	-	20
19	10	-	5	32	17	25	124	46	90
20	67	21	45	46	39	42	115	46	85
21	67	42	55	55	33	45	195	126	165
22	144	89	115	173	28	108	274	80	190
23	106	52	80	223	78	157	133	92	115
24	250	94	175	173	100	140	97	138	115
25	144	42	95	132	100	118	-	126	55
26	125	187	155	73	111	90	9	149	70
27	39	146	90	59	156	102	9	109	50
28	29	115	70	14	111	58	-	57	25
29	-	62	30	9	78	40	-	12	5
30	-	42	20	-	67	30	-	12	5
31	-	52	25	-	22	10	-	-	-
32	-	10	5	-	11	5	-	12	5
33	-	-	-	-	33	15	-	-	-
34	-	-	-	-	11	5	-	-	-
35	-	31	15	-	-	-	-	-	-
36	-	10	5	-	-	-	-	-	-
TOTAL $\frac{0}{00}$	1000	999	1000	1003	1001	1000	1000	999	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	2	-	-	4	-	-	2
NUMBER OF FISH MEASURED	104	96	200	220	180	400	113	87	200
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	85	-	-	72-100	-	-	70-75

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 70 LENGTH FREQUENCIES - REDFISH¹⁾ - 4X - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
CATCHES/LANDINGS	LANDINGS								
MONTH	JANUARY			FEBRUARY			MARCH		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
13	-	-	-	3	-	2	-	-	-
14	-	-	-	-	-	-	-	-	-
15	11	-	5	3	-	2	-	-	-
16	-	9	5	10	-	5	-	-	-
17	22	-	10	23	14	18	-	-	-
18	22	19	20	26	17	22	-	-	-
19	32	-	15	29	10	20	-	-	-
20	129	75	100	111	54	84	-	-	-
21	193	19	100	167	74	122	-	-	-
22	226	131	175	226	102	164	24	-	10
23	75	159	120	141	146	143	-	-	-
24	172	84	125	121	153	136	98	-	40
25	64	150	110	98	125	112	122	68	90
26	32	112	75	33	125	78	171	51	100
27	11	84	50	7	58	32	146	85	110
28	11	65	40	-	51	25	195	136	160
29	-	47	25	-	44	22	98	186	150
30	-	19	10	-	20	10	73	68	70
31	-	19	10	-	7	3	73	170	130
32	-	9	5	-	-	-	-	85	50
33	-	-	-	-	-	-	-	51	30
34	-	-	-	-	-	-	-	34	20
35	-	-	-	-	-	-	-	17	10
36	-	-	-	-	-	-	-	34	20
37	-	-	-	-	-	-	-	17	10
TOTAL 0/00	1000	1001	1000	998	1000	1000	1000	1002	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	2	-	-	6	-	-	1
NUMBER OF FISH MEASURED	93	107	200	305	295	600	41	59	100
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	70-85	-	-	70-90	-	-	105-112

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 70 LENGTH FREQUENCIES - REDFISH¹⁾ - 4X - 1961 (FREQUENCIES IN ⁰/100 - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)								
	LANDINGS								
CATCHES/LANDINGS	APRIL			MAY			JUNE		
MONTH	UNITED STATES								
COUNTRY	"MARINUS"								
SPECIES OR TYPE	00	01	02	03	04	05	06	07	08
SEX	00	01	02	03	04	05	06	07	08
TONNAGE	NK								
15	-	-	-	2	1	2	3	-	1
16	-	-	-	13	1	7	1	-	1
17	-	-	-	27	4	15	14	-	7
18	-	-	-	37	20	28	21	6	13
19	35	-	20	33	19	25	21	11	16
20	-	-	-	71	36	52	34	15	24
21	53	-	30	70	42	55	50	23	36
22	35	-	20	123	53	85	56	36	45
23	-	23	10	161	85	119	78	64	71
24	35	-	20	160	117	136	92	53	72
25	88	93	90	101	95	98	88	78	83
26	175	46	120	66	112	91	97	70	83
27	158	163	160	42	87	66	102	79	90
28	175	23	110	47	102	76	123	61	91
29	123	116	120	32	74	55	99	80	89
30	35	163	90	13	43	29	73	69	71
31	18	163	80	3	44	25	29	112	79
32	53	23	40	-	26	14	13	78	47
33	18	116	60	-	14	8	4	75	41
34	-	-	-	-	13	7	-	44	23
35	-	46	20	-	3	2	-	25	13
36	-	23	10	-	4	2	-	18	9
37	-	-	-	-	1	1	-	3	1
38	-	-	-	-	1	1	-	-	-
39	-	-	-	-	1	1	-	-	-
TOTAL ⁰ /100	1001	998	1000	1001	998	1000	998	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	13	-	-	15
NUMBER OF FISH MEASURED	57	43	100	602	698	1300	714	786	1500
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	105-110	-	-	75-115	-	-	80-130

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 70 LENGTH FREQUENCIES - REDFISH¹⁾ - 4X - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)								
CATCHES/LANDINGS	LANDINGS								
MONTH	JULY			AUGUST			SEPTEMBER		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	♂♂	♀♀	♂♀	♂♂	♀♀	♂♀	♂♂	♀♀	♂♀
TONNAGE	NK								
16	-	-	-	5	-	2	-	-	-
17	-	-	-	15	5	10	-	-	-
18	7	2	4	-	10	5	22	5	12
19	5	2	3	53	10	32	22	5	12
20	-	6	3	34	26	30	66	27	45
21	12	8	10	77	52	65	126	23	70
22	20	12	16	126	67	98	192	101	143
23	54	18	34	193	88	142	220	128	169
24	113	35	70	242	166	206	165	156	160
25	157	65	107	140	129	135	99	170	138
26	162	67	110	68	129	98	55	128	95
27	118	102	109	48	124	85	16	73	48
28	96	191	148	-	93	45	11	101	60
29	86	128	109	-	47	22	5	46	28
30	86	89	88	-	36	18	-	32	18
31	49	69	60	-	10	5	-	5	2
32	24	57	42	-	5	2	-	-	-
33	10	61	38	-	-	-	-	-	-
34	2	37	21	-	-	-	-	-	-
35	-	29	16	-	-	-	-	-	-
36	-	16	9	-	-	-	-	-	-
37	-	6	3	-	-	-	-	-	-
TOTAL ‰	1001	1000	1000	1001	998	1000	999	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	9	-	-	4	-	-	4
NUMBER OF FISH MEASURED	408	492	900	207	193	400	182	218	400
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	90-140	-	-	75-84	-	-	65-95

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 71 LENGTH FREQUENCIES - REDFISH¹⁾ - 5Y - 1961 (FREQUENCIES IN ⁰/₁₀₀ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	LANDINGS								
CATCHES/LANDINGS	JANUARY			FEBRUARY			MARCH		
MONTH	UNITED STATES								
COUNTRY	"MARINUS"								
SPECIES OR TYPE	♂	♀	♂	♂	♀	♂	♂	♀	♂
SEX	NK								
TONNAGE									
13	-	-	-	-	-	-	2	-	1
14	-	-	-	-	-	-	3	8	6
15	-	-	-	-	-	-	4	3	4
16	-	-	-	12	6	9	25	16	21
17	-	-	-	22	18	20	62	31	47
18	-	-	-	70	18	45	84	84	83
19	-	-	-	72	40	57	98	68	83
20	17	-	10	72	77	75	112	94	102
21	35	-	20	86	70	78	82	77	80
22	103	48	80	109	40	76	97	87	92
23	138	-	80	89	86	88	82	77	80
24	121	48	90	109	77	94	54	48	52
25	121	71	100	78	67	73	73	53	64
26	103	48	80	74	48	62	51	50	51
27	103	95	100	70	62	66	63	47	55
28	86	48	70	61	42	52	54	48	52
29	34	71	50	46	35	41	22	40	31
30	86	95	90	15	58	35	18	34	25
31	34	95	60	9	64	35	7	36	21
32	17	71	40	4	62	32	3	31	16
33	-	71	30	-	43	21	-	21	10
34	-	71	30	-	40	19	2	18	9
35	-	95	40	2	18	9	-	15	7
36	-	48	20	-	13	6	-	3	2
37	-	-	-	-	11	5	-	7	3
38	-	24	10	-	3	2	-	3	2
39	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	2	1
TOTAL ⁰ / ₁₀₀	998	999	1000	1000	998	1000	998	1001	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	13	-	-	13
NUMBER OF FISH MEASURED	58	42	100	676	624	1300	680	620	1300
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	80-85	-	-	60-115	-	-	45-110

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 71
(CONT'D)LENGTH FREQUENCIES - REDFISH¹⁾ - 5Y - 1961

(FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES/LANDINGS			LANDINGS					
MONTH	APRIL			MAY			JUNE		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
12	-	-	-	1	-	1	-	-	-
13	-	-	-	1	-	1	-	-	-
14	-	-	-	6	3	5	-	-	-
15	14	-	8	4	2	3	-	-	-
16	42	16	30	24	10	18	5	-	1
17	75	54	65	38	26	32	-	-	-
18	94	59	78	59	56	58	3	-	1
19	75	102	88	41	61	50	8	-	4
20	108	70	90	64	85	74	8	2	5
21	89	64	78	87	78	83	16	5	10
22	117	38	80	97	90	94	26	26	26
23	113	81	98	106	90	98	58	24	40
24	70	91	80	69	80	74	74	48	60
25	47	86	65	77	53	66	58	31	44
26	66	75	70	66	70	68	81	36	58
27	42	43	43	73	44	60	100	38	68
28	23	48	35	88	41	67	179	46	110
29	19	32	25	49	32	42	189	98	142
30	5	70	35	29	39	34	113	91	101
31	-	21	10	14	48	29	42	115	80
32	-	21	10	7	32	18	26	86	58
33	-	16	8	-	21	9	11	112	64
34	-	5	2	-	15	7	5	74	41
35	-	-	-	-	7	3	-	79	41
36	-	5	2	-	12	5	-	48	25
37	-	-	-	-	2	1	-	22	11
38	-	-	-	-	-	-	-	10	5
39	-	-	-	-	-	-	-	7	4
40	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	2	1
TOTAL 0/00	999	997	1000	1000	997	1000	1002	1000	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	4	-	-	13	-	-	8
NUMBER OF FISH MEASURED	213	186	399	714	586	1300	381	418	799
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	45-100	-	-	45-120	-	-	79-120

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 71 LENGTH FREQUENCIES - REDFISH¹⁾ - 5Y - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)								
	LANDINGS								
CATCHES/LANDINGS	JULY			AUGUST			SEPTEMBER		
MONTH	UNITED STATES								
COUNTRY	"MARINUS"								
SPECIES OR TYPE									
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
17	-	-	-	-	-	-	9	22	15
18	5	-	2	13	-	6	-	11	5
19	5	-	2	8	4	6	-	44	20
20	10	-	5	25	8	16	27	44	35
21	16	24	20	25	23	24	55	22	40
22	21	19	20	59	19	38	119	99	110
23	74	38	55	84	54	68	147	132	140
24	74	62	68	176	84	128	202	88	150
25	197	49	88	159	88	122	101	99	100
26	110	43	75	121	107	114	156	22	95
27	197	67	100	96	69	82	83	55	70
28	147	71	108	113	65	88	37	132	80
29	184	90	135	50	107	80	46	55	50
30	32	109	72	50	88	70	-	33	15
31	26	76	52	13	88	52	18	11	15
32	5	86	48	8	50	30	-	55	25
33	10	76	45	-	69	36	-	55	25
34	5	71	40	-	38	20	-	11	5
35	-	71	38	-	15	8	-	11	5
36	-	29	15	-	11	6	-	-	-
37	-	24	12	-	11	6	-	-	-
TOTAL ‰	998	999	1000	1000	998	1000	1000	1001	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	4	-	-	5	-	-	2
NUMBER OF FISH MEASURED	190	210	400	239	261	500	109	91	200
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	55-130	-	-	74-105	-	-	50-110

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 71 LENGTH FREQUENCIES - REDFISH¹⁾ - 5Y - 1961 (FREQUENCIES IN ⁰/100 - 1 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)					
CATCHES/LANDINGS	LANDINGS					
MONTH	NOVEMBER			DECEMBER		
COUNTRY	UNITED STATES					
SPECIES OR TYPE	"MARINUS"					
SEX	♂	♀	♂	♂	♀	♂
TONNAGE	NK					
13	14	-	8	-	-	-
14	27	10	20	-	-	-
15	54	10	36	-	-	-
16	101	49	80	-	-	-
17	172	109	144	12	8	10
18	145	132	140	6	-	3
19	115	128	120	23	15	20
20	71	88	78	35	8	23
21	34	29	32	71	38	57
22	54	44	50	88	31	63
23	20	20	20	106	23	70
24	10	15	12	165	131	151
25	17	20	18	141	92	120
26	7	34	18	94	85	90
27	27	15	22	88	69	80
28	20	15	18	65	69	67
29	40	5	26	88	69	80
30	40	29	36	12	108	53
31	20	49	32	6	92	43
32	7	29	16	-	38	17
33	-	34	14	-	38	17
34	3	49	22	-	54	23
35	-	49	20	-	31	13
36	-	20	8	-	-	-
37	-	10	4	-	-	-
38	-	5	2	-	-	-
39	-	10	4	-	-	-
TOTAL ⁰ /100	998	1001	1000	1000	999	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	5	-	-	3
NUMBER OF FISH MEASURED	296	204	500	170	130	300
MEAN LENGTH (CM)	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	30-95	-	-	64-95

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 72 LENGTH FREQUENCIES - REDFISH¹⁾ - 52 - 1961 (FREQUENCIES IN ^o/100 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES/LANDINGS			LANDINGS					
MONTH	MARCH			MAY			JUNE		
COUNTRY	UNITED STATES								
SPECIES OR TYPE	"MARINUS"								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	NK								
16	-	-	-	6	-	2	-	-	-
17	-	-	-	-	-	-	-	-	-
18	5	-	2	6	-	2	-	-	-
19	9	-	5	11	-	5	-	-	-
20	14	16	15	6	-	2	-	-	-
21	42	11	28	-	-	-	6	-	2
22	51	48	50	6	9	8	12	-	5
23	117	107	113	22	5	12	6	21	15
24	112	102	108	67	23	42	110	42	70
25	84	86	85	111	68	88	92	25	52
26	37	59	48	133	55	90	147	30	78
27	65	59	62	133	55	90	135	68	95
28	126	70	100	156	68	107	178	30	90
29	167	54	112	156	73	109	110	118	115
30	107	38	75	100	82	90	92	68	78
31	51	59	55	50	64	58	61	105	88
32	9	38	22	28	64	48	31	55	45
33	5	48	25	11	41	28	18	72	50
34	-	32	15	-	82	45	-	93	55
35	-	64	30	-	68	38	-	76	45
36	-	59	28	-	86	48	-	76	45
37	-	32	15	-	86	48	-	68	40
38	-	11	5	-	36	20	-	25	15
39	-	5	2	-	23	12	-	17	10
40	-	-	-	-	14	8	-	13	7
TOTAL ^o /100	1001	998	1000	1002	1002	1000	998	1002	1000
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	4	-	-	4	-	-	4
NUMBER OF FISH MEASURED	214	186	400	180	220	400	163	237	400
MEAN LENGTH (CM)	-	-	-	-	-	-	-	-	-
MEAN WEIGHT (KG)	-	-	-	-	-	-	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-	-	-	-
MESH SIZE	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)	-	-	85-105	-	-	84-120	-	-	85-105

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

NOTE: MALES AND FEMALES FOR THE U. S. A. SUBMISSION ARE EACH CALCULATED ON THE BASIS OF 1000, WHILE OTHER COUNTRIES HAVE CALCULATED MALES AND FEMALES AS A PROPORTION OF THE "TOTAL" OF 1000.

TABLE 73

AGE FREQUENCIES - REDFISH¹⁾ - 2J - 1961

(FREQUENCIES IN ‰)

GEAR		OTTER TRAWL (NK)											
CATCHES/LANDINGS		CATCHES											
MONTH		APRIL					JULY						
COUNTRY		U. S. S. R.											
SPECIES OR TYPE		"MENTELLA"											
TONNAGE		1800											
YEAR-CLASS	AGE	‰ FREQUENCY			MEAN LENGTH			‰ FREQUENCY			MEAN LENGTH		
		00	99	TOT.	00	99	TOT.	00	99	TOT.	00	99	TOT.
1953	8	3	-	3	22.0	-	22.0	-	-	-	-	-	-
1952	9	3	3	6	28.0	27.0	27.5	3	2	5	27.0	27.0	27.0
1951	10	8	10	18	29.7	31.0	30.4	5	3	8	28.0	29.5	29.0
1950	11	51	22	73	32.2	31.1	31.9	23	9	32	32.3	31.2	32.0
1949	12	58	39	97	33.5	33.9	33.6	37	21	58	33.8	33.3	33.6
1948	13	74	13	87	34.7	35.0	34.9	70	31	101	34.9	34.8	34.9
1947	14	65	48	113	35.9	36.2	36.2	115	30	145	35.8	36.5	36.0
1946	15	45	51	96	37.4	37.2	37.3	104	29	133	36.9	37.3	36.8
1945	16	30	33	63	38.2	39.1	38.6	63	18	81	37.2	37.0	37.8
1944	17	23	23	46	37.7	39.9	39.2	48	27	75	38.5	38.4	38.5
1943	18	23	62	85	39.9	39.4	39.7	59	27	86	38.8	38.7	38.7
1942	19	30	64	94	40.6	40.6	40.6	82	64	146	39.7	40.1	39.9
1941	20	57	74	131	41.5	42.2	41.9	51	18	69	40.7	41.0	40.7
1940	21	20	34	54	42.0	43.4	42.9	27	18	45	41.7	42.9	42.2
1939	22	8	10	18	43.7	44.5	44.1	5	3	8	45.0	44.0	44.8
1938	23	-	5	5	-	47.0	47.0	3	6	9	45.5	45.5	45.5
1937	24	-	5	5	-	48.0	48.0	-	-	-	-	-	-
1936	25	-	3	3	-	48.0	48.0	-	-	-	-	-	-
1935	26	-	-	-	-	-	-	-	-	-	-	-	-
1934	27	-	-	-	-	-	-	-	-	-	-	-	-
1933	28	-	3	3	-	50.0	50.0	-	-	-	-	-	-
TOTAL ‰		498	502	1000	36.7	39.0	37.8	695	306	1001	37.3	38.1	37.6
SERIAL NUMBERS		-	-	-	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES		-	-	2	-	-	-	-	-	2	-	-	-
NUMBER OF FISH AGED		196	196	392	-	-	-	391	172	564	-	-	-
MEAN AGE		15.12	16.91	16.01	-	-	-	15.9	16.5	16.1	-	-	-
MEAN WEIGHT (KG)		0.77	1.03	0.90	-	-	-	0.80	0.85	0.82	-	-	-
TOTAL WEIGHT LANDED (TONS)		-	-	2556	-	-	-	-	-	29	-	-	-
ESTIMATED NUMBER LANDED		-	-	-	-	-	-	-	-	-	-	-	-
MESH SIZE		-	-	-	-	-	-	-	-	-	-	-	-
RANGE OF DEPTHS (FM)		-	-	228-288	-	-	-	-	-	222-294	-	-	-

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 73
(CONT'D)AGE FREQUENCIES - REDFISH¹⁾ - 2J - 1961

(FREQUENCIES IN ‰)

GEAR		OTTER TRAWL (NK)											
CATCHES/LANDINGS		CATCHES											
MONTH		SEPTEMBER						DECEMBER					
COUNTRY		U. S. S. R.											
SPECIES OR TYPE		"MENTELLA"											
TONNAGE		1800											
YEAR-CLASS	AGE	‰ FREQUENCY			MEAN LENGTH			‰ FREQUENCY			MEAN LENGTH		
		00	00	TOT.	00	00	TOT.	00	00	TOT.	00	00	TOT.
1954	7	-	-	-	-	-	-	2	-	2	27.0	-	27.0
1953	8	-	-	-	-	-	-	4	-	4	26.5	-	26.5
1952	9	-	-	-	-	-	-	17	7	24	28.5	29.0	28.6
1951	10	4	-	4	29.0	-	29.0	66	59	125	30.5	31.1	30.8
1950	11	22	9	31	31.4	33.0	32.0	74	46	120	32.0	32.2	32.1
1949	12	22	9	31	32.8	34.0	33.1	66	46	112	34.3	34.0	34.2
1948	13	41	18	59	34.4	35.0	34.6	99	53	146	34.9	35.4	35.1
1947	14	41	41	82	35.8	35.6	35.7	95	44	139	35.9	36.4	36.1
1946	15	31	31	62	36.1	36.4	36.2	47	7	54	36.9	37.3	37.0
1945	16	22	45	67	37.6	37.7	37.7	44	9	53	37.8	38.4	37.9
1944	17	22	18	40	37.8	38.0	37.9	6	4	10	39.0	38.5	38.8
1943	18	27	36	63	38.8	38.6	38.7	6	-	6	39.7	-	39.7
1942	19	18	36	54	39.8	40.0	39.9	7	7	14	41.3	40.0	40.6
1941	20	104	130	234	41.4	41.3	41.3	6	30	36	41.7	41.6	41.6
1940	21	75	90	165	42.3	42.6	42.4	4	58	62	-	42.7	42.7
1939	22	31	31	62	43.3	44.3	43.8	-	47	47	-	44.4	44.4
1938	23	4	22	26	47.0	45.2	45.5	-	28	28	-	46.0	46.0
1937	24	-	9	9	-	47.5	47.5	-	7	7	-	46.7	46.7
1936	25	-	9	9	-	49.0	49.0	-	7	7	-	48.5	48.5
1935	26	-	-	-	-	-	-	-	2	2	-	49.0	49.0
1934	27	-	-	-	-	-	-	-	-	-	-	-	-
1933	28	-	-	-	-	-	-	-	-	-	-	-	-
1932	29	-	-	-	-	-	-	-	2	2	-	52.0	52.0
TOTAL ‰		464	534	998	38.7	40.2	39.5	537	463	1000	34.5	37.9	36.1
SERIAL NUMBERS		-	-	-	/			-	-	-	/		
NUMBER OF SAMPLES		-	-	1				-	-	2			
NUMBER OF FISH AGED		104	119	223				289	244	527			
MEAN AGE		17.46	18.65	18.10				12.95	16.00	14.96			
MEAN WEIGHT (KG)		0.91	1.02	0.98				0.57	0.86	0.71			
TOTAL WEIGHT LANDED (TONS)		-	-	-				-	-	-			
ESTIMATED NUMBER LANDED		-	-	-				-	-	-			
MESH SIZE		-	-	-				-	-	-			
RANGE OF DEPTHS (FM)		-	-	294				-	-	155-178			

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 74

AGE FREQUENCIES - REDFISH¹⁾ - 3K - 1961

(FREQUENCIES IN %/00)

GEAR		OTTER TRAWL (NK)											
CATCHES/LANDINGS		CATCHES											
MONTH		JANUARY						FEBRUARY					
COUNTRY		U. S. S. R.											
SPECIES OR TYPE		"MENTELLA"											
TONNAGE		1800											
YEAR-CLASS	AGE	%/00 FREQUENCY			MEAN LENGTH			%/00 FREQUENCY			MEAN LENGTH		
		00	99	TOT.	00	99	TOT.	00	99	TOT.	00	99	TOT.
1953	8	4	-	4	24.00	-	24.00	-	-	-	-	-	-
1952	9	4	4	8	28.00	27.00	27.50	-	-	-	-	-	-
1951	10	20	12	32	30.20	26.33	29.00	-	-	-	-	-	-
1950	11	33	24	57	31.87	32.20	31.71	15	8	23	28.50	29.50	29.00
1949	12	33	16	49	32.75	30.50	32.00	15	4	19	30.75	32.00	31.00
1948	13	28	12	40	33.28	35.00	33.80	42	15	57	32.18	32.25	32.20
1947	14	61	16	77	34.66	36.00	34.95	53	24	77	33.85	34.16	33.95
1946	15	55	24	79	36.00	36.50	36.15	114	30	144	34.83	35.25	34.92
1945	16	69	12	81	36.94	38.00	37.10	49	46	95	35.84	37.25	36.52
1944	17	24	20	44	37.50	42.20	39.64	23	49	72	36.67	37.53	37.26
1943	18	20	20	40	37.60	40.20	38.90	27	30	57	37.71	38.12	37.93
1942	19	33	52	85	37.75	42.93	40.95	4	110	114	40.00	40.45	40.43
1941	20	12	96	108	39.33	42.54	42.19	-	115	115	-	41.73	41.73
1940	21	4	136	140	40.00	43.30	43.20	-	84	84	-	43.27	43.27
1939	22	-	116	116	-	44.62	44.62	-	115	115	-	44.40	44.40
1938	23	-	28	28	-	46.56	46.56	-	15	15	-	46.00	46.00
1937	24	-	12	12	-	46.00	46.00	-	12	12	-	47.66	47.66
TOTAL %/00		400	600	1000	35.24	41.48	38.95	342	657	999	34.48	40.59	38.50
SERIAL NUMBERS		-	-	-	/			-	-	-	/		
NUMBER OF SAMPLES		-	-	1				-	-	1			
NUMBER OF FISH AGED		99	150	249				90	172	262			
MEAN AGE		14.73	19.15	17.39				14.48	19.09	17.63			
MEAN WEIGHT (KG)		0.80	1.32	1.11				0.71	1.17	1.01			
TOTAL WEIGHT LANDED (TONS)		-	-	30				-	-	535			
ESTIMATED NUMBER LANDED		-	-	-				-	-	-			
MESH SIZE		-	-	-				-	-	-			
RANGE OF DEPTHS (FM)		-	-	178				-	-	250			

- 1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 74
(CONT'D)AGE FREQUENCIES - REDFISH¹⁾ - 9K - 1961

(FREQUENCIES IN ‰)

GEAR		OTTER TRAWL (NK)											
CATCHES/LANDINGS		CATCHES											
MONTH		FEBRUARY						APRIL					
COUNTRY		U. S. S. R.											
SPECIES OR TYPE		"MENTELLA"											
TONNAGE		864-575											
YEAR-CLASS	AGE	‰ FREQUENCY			MEAN LENGTH			‰ FREQUENCY			MEAN LENGTH		
		00	99	TOT.	00	99	TOT.	00	99	TOT.	00	99	TOT.
1951	10	27	9	36	29.3	36.0	31.0	7	-	7	30.0	-	30.0
1950	11	14	18	32	30.4	32.3	31.4	13	-	13	31.5	-	31.5
1949	12	49	27	76	31.9	33.0	32.2	13	-	13	34.5	-	34.5
1948	13	63	14	77	33.0	35.0	33.9	61	-	61	34.2	-	34.2
1947	14	31	14	45	34.1	35.7	34.6	108	7	115	35.3	36.0	35.4
1946	15	62	18	80	35.8	37.0	36.0	128	-	128	35.5	-	35.5
1945	16	79	27	106	37.1	37.3	37.2	155	-	155	36.6	-	36.7
1944	17	58	5	63	37.5	39.0	37.8	75	14	89	37.4	38.0	37.5
1943	18	45	53	98	38.3	39.5	39.0	54	20	74	38.4	38.7	38.5
1942	19	44	36	80	39.6	40.4	40.0	27	40	67	39.0	40.3	39.8
1941	20	9	49	58	40.0	41.3	41.0	7	67	74	40.0	40.9	40.8
1940	21	9	96	105	41.0	42.4	42.3	27	48	75	40.8	42.7	42.0
1939	22	-	45	45	-	43.2	43.2	-	68	68	-	43.3	43.3
1938	23	5	45	50	45.0	44.5	44.5	-	61	61	-	44.2	44.2
1937	24	-	22	22	-	45.6	45.6	-	-	-	-	-	-
1936	25	5	22	27	48.0	46.2	46.5	-	-	-	-	-	-
TOTAL ‰		500	500	1000	35.8	40.5	38.2	675	325	1000	36.3	44.1	38.0
SERIAL NUMBERS		-	-	-	/			-	-	-	/		
NUMBER OF SAMPLES		-	-	3				-	-	-			
NUMBER OF FISH AGED		112	112	224				100	48	148			
MEAN AGE		15.4	19.0	17.2				15.7	20.6	17.2			
MEAN WEIGHT (KG)		0.81	1.33	0.99				0.83	1.47	0.99			
TOTAL WEIGHT LANDED (TONS)		-	-	535				-	-	8426			
ESTIMATED NUMBER LANDED		-	-	-				-	-	-			
MESH SIZE (MM)		-	-	110				-	-	110			
RANGE OF DEPTHS (FM)		-	-	164-219				-	-	175-246			

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 74
(CONT'D)AGE FREQUENCIES - REDFISH¹⁾ - 3K - 1961

(FREQUENCIES IN ‰)

GEAR		OTTER TRAWL (NK)					
CATCHES/LANDINGS		CATCHES					
MONTH		JULY					
COUNTRY		U. S. S. R.					
SPECIES OR TYPE		"MENTELLA"					
TONNAGE		NK					
YEAR-CLASS	AGE	‰ FREQUENCY			MEAN LENGTH		
		00	99	TOT.	00	99	TOT.
1952	9	17	10	27	26.80	28.00	27.25
1951	10	35	32	67	29.50	29.22	29.37
1950	11	39	32	71	31.54	31.11	31.35
1949	12	53	43	96	31.93	32.41	32.18
1948	13	109	67	176	33.87	34.06	33.94
1947	14	147	99	246	35.21	35.46	35.31
1946	15	88	39	127	36.20	36.36	36.39
1945	16	39	24	63	37.37	37.57	37.44
1944	17	63	7	70	39.33	38.00	39.27
1943	18	24	17	41	39.50	39.80	40.16
1942	19	3	3	6	41.00	42.00	41.50
1941	20	-	3	3	-	40.00	40.00
1940	21	-	3	3	-	43.00	43.00
1939	22	-	3	3	-	45.00	45.00
TOTAL ‰		617	382	999	34.86	34.56	34.78
SERIAL NUMBERS		-	-	-	/		
NUMBER OF SAMPLES		-	-	1			
NUMBER OF FISH AGED		176	109	285			
MEAN AGE		13.86	13.60	13.76			
MEAN WEIGHT (KG)		0.70	0.68	0.69			
TOTAL WEIGHT LANDED (TONS)		-	-	-			
ESTIMATED NUMBER LANDED		-	-	-			
MESH SIZE		-	-	-			
RANGE OF DEPTHS (FM)		-	-	250-275			

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 75

AGE FREQUENCIES - REDFISH¹⁾ - 3M - 1961

(FREQUENCIES IN %/00)

GEAR		OTTER TRAWL (NK)												
CATCHES/LANDINGS		CATCHES												
MONTH		MARCH						JUNE						
COUNTRY		U. S. S. R.												
SPECIES OR TYPE		"MENTELLA"												
TONNAGE		1800												
YEAR-CLASS	AGE	%/00 FREQUENCY			MEAN LENGTH			%/00 FREQUENCY			MEAN LENGTH			
		00	99	TOT.	00	99	TOT.	00	99	TOT.	00	99	TOT.	
1953	8	-	4	4	-	28.00	28.00	-	-	-	-	-	-	-
1952	9	15	7	22	28.75	30.00	29.16	26	4	30	29.58	30.00	29.69	
1951	10	44	15	59	31.00	32.75	31.44	88	40	128	30.65	31.28	30.84	
1950	11	147	41	188	32.95	33.27	33.02	148	106	254	32.13	32.38	32.23	
1949	12	155	69	218	33.38	35.18	34.24	86	124	210	33.90	34.11	34.02	
1948	13	96	89	185	34.58	36.17	35.34	44	99	143	34.40	35.02	34.95	
1947	14	59	114	173	35.50	37.32	36.70	22	124	146	35.90	36.38	36.30	
1946	15	15	81	96	37.25	38.50	38.30	-	29	29	-	37.46	37.46	
1945	16	-	37	37	-	39.30	39.30	2	22	24	37.00	38.90	38.73	
1944	17	-	11	11	-	40.66	40.66	-	24	24	-	39.18	39.18	
1943	18	-	7	7	-	39.50	39.50	-	4	4	-	40.50	40.50	
1942	19	-	-	-	-	-	-	-	4	4	-	42.00	42.00	
1941	20	-	-	-	-	-	-	-	2	2	-	41.00	41.00	
TOTAL %/00		591	469	1000	33.64	36.59	35.02	416	582	998	32.48	34.99	33.91	
SERIAL NUMBERS		-	-	-				-	-	-				
NUMBER OF SAMPLES		-	-	1				-	-	2				
NUMBER OF FISH AGED		144	127	271				189	264	453				
MEAN AGE		11.96	13.49	12.68				11.27	12.89	12.21				
MEAN WEIGHT (KG)		0.49	0.66	0.57				0.50	0.62	0.57				
TOTAL WEIGHT LANDED (TONS)		-	-	1795				-	-	151				
ESTIMATED NUMBER LANDED		-	-	-				-	-	-				
MESH SIZE		-	-	-				-	-	-				
RANGE OF DEPTHS (FM)		-	-	217-242				-	-	212-235				

- 1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 75
(CONT'D)AGE FREQUENCIES - REDFISH¹⁾ - 3M - 1961

(FREQUENCIES IN ‰)

GEAR		OTTER TRAWL (NK)											
CATCHES/LANDINGS		CATCHES											
MONTH		JUNE					JULY						
COUNTRY		U. S. S. R.											
SPECIES OR TYPE		"MENTELLA"											
TONNAGE		264-575											
YEAR-CLASS	AGE	‰ FREQUENCY			MEAN LENGTH			‰ FREQUENCY			MEAN LENGTH		
		00	99	TOT.	00	99	TOT.	00	99	TOT.	00	99	TOT.
1954	7	-	-	-	-	-	-	-	8	8	-	24.0	24.0
1953	8	-	-	-	-	-	-	17	-	17	25.5	-	25.5
1952	9	11	-	11	31.5	-	31.5	8	17	25	27.5	27.8	27.7
1951	10	41	17	58	31.4	31.7	31.5	25	45	70	29.0	32.0	30.3
1950	11	41	35	76	33.0	34.1	33.5	58	49	107	29.5	31.5	30.5
1949	12	17	58	75	33.3	35.5	35.0	49	99	148	33.4	32.1	32.1
1948	13	52	111	163	34.5	35.9	35.5	33	58	91	33.9	32.3	32.6
1947	14	70	128	198	34.9	36.5	36.0	41	37	78	33.9	33.5	33.8
1946	15	58	116	174	34.4	37.4	36.4	66	45	111	36.4	35.8	36.2
1945	16	35	76	111	34.7	37.3	36.5	37	62	99	36.5	36.0	36.2
1944	17	17	47	64	35.3	38.0	37.3	25	90	115	36.9	39.3	38.7
1943	18	-	23	23	-	39.0	39.0	4	78	82	36.0	40.8	40.5
1942	19	6	23	29	36.0	40.5	38.8	4	12	16	38.0	42.0	41.0
1941	20	-	18	18	-	40.0	40.0	-	25	25	-	43.0	43.0
1940	21	-	-	-	-	-	-	-	8	8	-	39.0	39.0
TOTAL ‰		348	652	1000	33.9	36.7	35.8	367	633	1000	33.0	35.3	34.4
SERIAL NUMBERS		-	-	-	/			-	-	-	/		
NUMBER OF SAMPLES		-	-	2				-	-	2			
NUMBER OF FISH AGED		60	112	172				89	154	243			
MEAN AGE		13.4	14.5	14.0				13.1	14.2	14.0			
MEAN WEIGHT (KG)		0.45	0.58	0.54				0.48	0.61	0.57			
TOTAL WEIGHT LANDED (TONS)		-	-	3941				-	-	5434			
ESTIMATED NUMBER LANDED		-	-	-				-	-	-			
MESH SIZE (MM)		-	-	110				-	-	110			
RANGE OF DEPTHS (FM)		-	-	175-224				-	-	153-175			

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 75
(CONT'D)AGE FREQUENCIES - REDFISH¹⁾ - 3M - 1961(FREQUENCIES IN ⁰/100)

GEAR		OTTER TRAWL (NK)											
CATCHES/LANDINGS		CATCHES											
MONTH		OCTOBER						DECEMBER					
COUNTRY		U. S. S. R.											
SPECIES OR TYPE		"MENTELLA"											
TONNAGE		1800											
YEAR-CLASS	AGE	⁰ /100 FREQUENCY			MEAN LENGTH			⁰ /100 FREQUENCY			MEAN LENGTH		
		00	99	TOT.	00	99	TOT.	00	99	TOT.	00	99	TOT.
1957	4	-	-	-	-	-	-	8	-	8	16.50	-	16.50
1956	5	9	-	9	19.00	-	19.00	4	-	4	18.00	-	18.00
1955	6	-	-	-	-	-	-	4	-	4	24.00	-	24.00
1954	7	-	-	-	-	-	-	4	-	4	25.00	-	25.00
1953	8	13	4	17	26.66	25.00	26.25	12	-	12	25.00	-	25.00
1952	9	13	18	31	27.70	27.00	27.00	19	-	19	28.40	-	28.40
1951	10	9	4	13	31.00	30.00	30.66	104	31	135	30.96	30.75	30.91
1950	11	71	13	84	32.94	31.66	32.74	155	54	209	32.37	33.00	32.54
1949	12	62	27	89	33.93	33.50	33.80	81	135	216	34.00	34.31	34.20
1948	13	124	22	146	35.18	35.60	35.30	51	97	148	35.00	35.40	35.26
1947	14	120	13	133	36.18	36.66	36.29	19	104	123	36.20	36.37	36.34
1946	15	67	54	121	36.87	37.17	37.00	8	35	43	37.00	37.33	37.27
1945	16	36	49	85	37.75	38.18	38.00	4	23	27	38.00	38.17	38.14
1944	17	18	22	40	38.75	40.20	39.55	8	4	12	38.00	39.00	38.33
1943	18	31	31	62	39.00	39.29	39.14	-	12	12	-	39.67	39.67
1942	19	4	93	97	39.00	40.43	40.36	-	19	19	-	40.80	40.80
1941	20	-	53	53	-	41.33	41.33	-	-	-	-	-	-
1940	21	-	18	18	-	42.75	42.75	-	4	4	-	43.00	43.00
TOTAL ⁰ /100		577	421	998	35.14	37.95	36.39	481	518	999	32.52	35.42	34.04
SERIAL NUMBERS		-	-	-				-	-	-			
NUMBER OF SAMPLES		-	-	1				-	-	1			
NUMBER OF FISH AGED		130	95	225				124	134	258			
MEAN AGE		13.33	16.37	14.62				11.10	13.25	12.21			
MEAN WEIGHT (KG)		0.57	0.81	0.67				0.37	0.52	0.45			
TOTAL WEIGHT LANDED (TONS)		-	-	10				-	-	899			
ESTIMATED NUMBER LANDED		-	-	-				-	-	-			
MESH SIZE		-	-	-				-	-	-			
RANGE OF DEPTHS (FM)		-	-	200-209				-	-	217			

1) IT HAS BEEN INDICATED ON LINE 5 ENTITLED "SPECIES OR TYPE", THE CLASSIFICATION UNDER WHICH THE REPORTING COUNTRY HAS GROUPED THE SAMPLE IN QUESTION.

TABLE 76

AGE/LENGTH KEYS AND FREQUENCIES (REDFISH) - 1961

(AVAILABLE ON REQUEST FROM THE SECRETARIAT)

IN ACCORDANCE WITH A RECOMMENDATION MADE BY THE RESEARCH AND STATISTICS COMMITTEE AT THEIR ANNUAL MEETING IN 1962, 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

"SEBASTES MENTELLA" -- (♂♀)

U. S. S. R.

DIVISION	MONTH	DEPTH (FM)
2J	APRIL	125-160
	JULY	120-160
	SEPTEMBER	160
	DECEMBER	85-100
3K	JANUARY	100
	FEBRUARY	165-220
	FEBRUARY	140
	APRIL	175-250
	JULY	140-150
3M	MARCH	120-130
	JUNE	175-225
	JUNE	115-130
	JULY	150-175
	OCTOBER	110-115
	DECEMBER	120

TABLE 77 LENGTH FREQUENCIES - AMERICAN PLAICE - 3L - 1961 (FREQUENCIES IN 0/00 - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
	LANDINGS					
CATCHES/LANDINGS	MAY			JUNE		
MONTH	CANADA (NEWFOUNDLAND)					
COUNTRY						
SEX	♂	♀	♂	♂	♀	♂
TONNAGE	151-500					
28-29	2	-	2	-	-	-
30-31	2	-	2	-	-	-
32-33	6	-	6	3	-	3
34-35	29	15	44	42	-	42
36-37	88	18	106	52	7	59
38-39	81	28	109	100	23	123
40-41	80	36	116	81	36	117
42-43	81	60	141	104	42	146
44-45	54	69	123	52	45	97
46-47	35	53	88	26	52	78
48-49	6	46	52	19	52	71
50-51	-	55	55	-	68	68
52-53	-	33	33	-	94	94
54-55	-	36	36	3	42	45
56-57	-	30	30	-	23	23
58-59	-	16	16	-	16	16
60-61	-	10	10	-	3	3
62-63	-	15	15	-	10	10
64-65	-	4	4	-	7	7
66-67	-	10	10	-	-	-
68-69	-	2	2	-	-	-
TOTAL 0/00	464	536	1000	482	520	1002
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	2	-	-	1
NUMBER OF FISH MEASURED	225	259	484	149	160	309
MEAN LENGTH (CM)	-	-	44.40	-	-	44.99
MEAN WEIGHT (KG)	-	-	0.94	-	-	0.95
TOTAL WEIGHT LANDED (TONS)	-	-	314	-	-	1780
ESTIMATED NUMBER LANDED	-	-	333209	-	-	1879067
MESH SIZE ¹⁾	-	-	L-M&N	-	-	L-M&N
RANGE OF DEPTHS (FM)	-	-	48-55	-	-	47-70

1) (MESH SIZES VARY FROM 3 7/8 INCHES TO 4 3/4 INCHES)

L = LARGE
M = MANILLA
N = NYLON

TABLE 77 LENGTH FREQUENCIES - AMERICAN PLAICE - 3L - 1961 (FREQUENCIES IN $\frac{0}{00}$ - 2 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)					
	LANDINGS					
CATCHES/LANDINGS	SEPTEMBER			NOVEMBER		
MONTH	CANADA (NEWFOUNDLAND)					
COUNTRY	06	09	01	06	09	01
SEX	151-500					
TONNAGE						
22-23	-	-	-	-	1	1
24-25	1	-	1	-	-	-
26-27	-	-	-	-	1	1
28-29	-	-	-	-	-	-
30-31	2	2	4	3	1	4
32-33	5	2	7	4	3	7
34-35	22	6	28	15	7	22
36-37	59	26	85	22	9	31
38-39	81	24	105	31	21	52
40-41	87	42	129	60	40	100
42-43	79	46	125	85	42	127
44-45	64	48	112	64	65	129
46-47	24	55	79	56	83	139
48-49	14	71	85	26	87	113
50-51	3	50	53	5	65	70
52-53	1	54	55	1	72	73
54-55	-	60	60	-	49	49
56-57	-	35	35	1	35	36
58-59	-	26	26	1	25	26
60-61	-	8	8	-	11	11
62-63	-	3	3	-	6	6
64-65	-	2	2	-	3	3
66-67	-	-	-	-	1	1
TOTAL $\frac{0}{00}$	442	560	1002	374	627	1001
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	4	-	-	8
NUMBER OF FISH MEASURED	328	480	808	547	917	1464
MEAN LENGTH (CM)	-	-	44.83	-	-	46.22
MEAN WEIGHT (KG)	-	-	0.96	-	-	1.07
TOTAL WEIGHT LANDED (TONS)	-	-	698	-	-	1990
ESTIMATED NUMBER LANDED	-	-	729323	-	-	1854336
MESH SIZE ¹⁾	-	-	L-M&N	-	-	L-M
RANGE OF DEPTHS (FM)	-	-	42-106	-	-	42-44&85-140

1) (MESH SIZES VARY FROM 3 7/8 INCHES TO 4 3/4 INCHES)

L = LARGE
M = MANILLA
N = NYLON

TABLE 78 LENGTH FREQUENCIES - AMERICAN PLAICE - 3N - 1961 (FREQUENCIES IN %/00 - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES/LANDINGS			LANDINGS			LANDINGS		
MONTH	JANUARY			AUGUST			SEPTEMBER		
COUNTRY	CANADA (NEWFOUNDLAND)								
SEX	00	00	00	00	00	00	00	00	00
TONNAGE	151-500								
28-29	-	-	-	3	-	3	1	2	3
30-31	-	-	-	3	1	4	6	3	9
32-33	7	-	7	18	9	27	15	9	24
34-35	4	18	22	38	26	64	36	20	56
36-37	11	18	29	55	36	91	36	31	67
38-39	29	-	29	66	33	99	66	25	91
40-41	77	33	110	89	39	122	87	28	115
42-43	110	26	136	79	42	121	77	30	107
44-45	121	51	172	62	52	114	72	60	132
46-47	77	40	117	59	63	122	51	48	99
48-49	44	51	95	29	47	76	28	65	93
50-51	7	37	44	4	43	47	7	58	65
52-53	7	51	58	2	47	49	-	61	61
54-55	-	48	48	-	20	20	-	36	36
56-57	-	33	33	-	19	19	-	26	26
58-59	-	48	48	-	13	13	-	9	9
60-61	-	26	26	-	6	6	-	4	4
62-63	-	11	11	-	2	2	-	4	4
64-65	-	-	-	-	-	-	-	1	1
66-67	-	4	4	-	-	-	-	-	-
68-69	-	4	4	-	1	1	-	1	1
70-71	-	7	7	-	-	-	-	-	-
TOTAL %/00	494	506	1000	501	499	1000	482	521	1003
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	4	-	-	4
NUMBER OF FISH MEASURED	135	138	273	501	510	1011	416	490	906
MEAN LENGTH (CM)	-	-	46.92	-	-	43.37	-	-	44.13
MEAN WEIGHT (KG)	-	-	1.09	-	-	0.86	-	-	0.96
TOTAL WEIGHT LANDED (TONS)	-	-	68	-	-	406	-	-	397
ESTIMATED NUMBER LANDED	-	-	63148	-	-	469535	-	-	413657
MESH SIZE ¹⁾	-	-	L-M	-	-	L-M&N	-	-	L-M
RANGE OF DEPTHS (FM)	-	-	50-60	-	-	38-70	-	-	42-110

1) (MESH SIZES VARY FROM 3 7/8 INCHES TO 4 3/4 INCHES)

L = LARGE
M = MANILLA
N = NYLON

TABLE 7B LENGTH FREQUENCIES - AMERICAN PLAICE - 3N - 1961 (FREQUENCIES IN ⁰/100 - 2 CM GROUPS)
(CONT'D)

GEAR	OTTER TRAWL (COMMERCIAL)								
	CATCHES/LANDINGS			LANDINGS					
MONTH	OCTOBER			NOVEMBER			DECEMBER		
COUNTRY	CANADA (NEWFOUNDLAND)								
SEX	♂	♀	♂	♂	♀	♂	♂	♀	♂
TONNAGE	151-500								
20-21	-	1	1	-	-	-	-	-	-
22-23	-	-	-	-	-	-	-	-	-
24-25	-	-	-	1	1	2	-	-	-
26-27	1	-	1	1	1	2	-	-	-
28-29	1	3	4	3	1	4	2	-	2
30-31	10	10	20	9	5	14	2	2	4
32-33	29	23	52	21	11	32	5	10	15
34-35	45	32	77	35	22	57	14	2	16
36-37	61	47	108	44	32	76	12	22	34
38-39	74	31	105	59	27	86	36	24	60
40-41	76	43	119	71	30	101	62	30	92
42-43	86	39	125	98	30	128	92	45	137
44-45	59	33	92	85	46	131	75	40	115
46-47	43	41	84	65	50	115	77	64	141
48-49	24	43	67	35	62	97	47	76	123
50-51	9	48	57	5	49	54	17	77	94
52-53	1	32	33	2	37	39	2	53	55
54-55	-	13	13	-	30	30	-	42	42
56-57	-	17	17	-	12	12	-	28	28
58-59	-	11	11	-	14	14	-	18	18
60-61	-	9	9	-	5	5	-	9	9
62-63	-	3	3	-	2	2	-	9	9
64-65	-	3	3	-	1	1	-	2	2
66-67	-	-	-	-	-	-	-	2	2
68-69	-	-	-	-	-	-	-	-	-
70-71	-	-	-	-	-	-	-	-	-
TOTAL ⁰ /100	519	482	1001	534	469	1003	443	555	998
SERIAL NUMBERS	-	-	-	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	4	-	-	7	-	-	2
NUMBER OF FISH MEASURED	564	505	1069	984	850	1834	188	237	425
MEAN LENGTH (CM)	-	-	42.27	-	-	43.48	-	-	46.00
MEAN WEIGHT (KG)	-	-	0.88	-	-	0.95	-	-	1.09
TOTAL WEIGHT LANDED (TONS)	-	-	657	-	-	664	-	-	252
ESTIMATED NUMBER LANDED	-	-	748141	-	-	702033	-	-	232068
MESH SIZE ¹⁾	-	-	L-M&N	-	-	L-M&N	-	-	L-N
RANGE OF DEPTHS (FM)	-	-	35-85	-	-	33-95	-	-	35-95
	-	-	100-190	-	-	-	-	-	-

1) (MESH SIZES VARY FROM 3 7/8 INCHES TO 4 3/4 INCHES)

L = LARGE
M = MANILLA
N = NYLON

TABLE 79 LENGTH FREQUENCIES - AMERICAN PLAICE - 3Ps - 1961 (FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)		
CATCHES/LANDINGS	LANDINGS		
MONTH	MARCH		
COUNTRY	CANADA (NEWFOUNDLAND)		
SEX	♂	♀	?
TONNAGE	151-500		
24-25	5	10	15
26-27	5	10	15
28-29	20	19	39
30-31	19	10	29
32-33	10	-	10
34-35	39	15	54
36-37	29	20	49
38-39	29	15	44
40-41	49	9	58
42-43	29	10	39
44-45	93	24	117
46-47	73	29	102
48-49	44	29	73
50-51	10	29	39
52-53	10	48	58
54-55	-	44	44
56-57	-	93	93
58-59	-	49	49
60-61	-	34	34
62-63	-	10	10
64-65	-	24	24
66-67	-	-	-
68-69	-	5	5
TOTAL ‰	464	536	1000
SERIAL NUMBERS	-	-	-
NUMBER OF SAMPLES	-	-	1
NUMBER OF FISH MEASURED	95	110	205
MEAN LENGTH (CM)	-	-	46.05
MEAN WEIGHT (KG)	-	-	1.13
TOTAL WEIGHT LANDED (TONS)	-	-	99
ESTIMATED NUMBER LANDED	-	-	89473
MESH SIZE ¹⁾	-	-	L-M
RANGE OF DEPTHS (FM)	-	-	80-85

1) (MESH SIZES VARY FROM 3 7/8 INCHES TO 4 3/4 INCHES)

L = LARGE
M = MANILLA

TABLE 80 LENGTH FREQUENCIES - AMERICAN PLAICE - 4S - 1961 (FREQUENCIES IN % - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
	LANDINGS					
CATCHES/LANDINGS	JUNE			AUGUST		
MONTH	CANADA (QUEBEC)			CANADA (MARITIMES)		
COUNTRY	00'	90'	80'	00'	90'	80'
SEX	51-150					
TONNAGE	51-150					
23	-	-	5	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
26	-	-	-	-	-	-
27	-	-	-	-	-	-
28	-	-	9	-	-	-
29	-	-	9	-	-	3
30	-	-	14	-	-	6
31	-	-	-	-	-	12
32	-	-	23	-	-	41
33	-	-	5	-	-	49
34	-	-	9	-	-	64
35	-	-	37	-	-	87
36	-	-	33	-	-	87
37	-	-	60	-	-	79
38	-	-	74	-	-	102
39	-	-	60	-	-	64
40	-	-	121	-	-	79
41	-	-	88	-	-	61
42	-	-	70	-	-	55
43	-	-	56	-	-	35
44	-	-	28	-	-	26
45	-	-	14	-	-	23
46	-	-	23	-	-	23
47	-	-	33	-	-	6
48	-	-	42	-	-	20
49	-	-	5	-	-	12
50	-	-	42	-	-	15
51	-	-	23	-	-	9
52	-	-	28	-	-	12
53	-	-	14	-	-	3
54	-	-	5	-	-	6
55	-	-	14	-	-	-
56	-	-	9	-	-	-
57	-	-	19	-	-	6
58	-	-	-	-	-	6
59	-	-	5	-	-	3
60	-	-	14	-	-	-
--	-	-	-	-	-	-
63	-	-	9	-	-	-
64	-	-	-	-	-	3
--	-	-	-	-	-	-
67	-	-	-	-	-	3
TOTAL %/00	-	-	1000	-	-	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	1
NUMBER OF FISH MEASURED	-	-	215	-	-	349
MEAN LENGTH (CM)	-	-	42.42	-	-	39.3
MEAN WEIGHT (KG)	-	-	-	-	-	0.76
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE (INCHES)	-	-	4 1/2	-	-	4 3/8
RANGE OF DEPTHS (FM)	-	-	-	-	-	30-90

TABLE 81 LENGTH FREQUENCIES - AMERICAN PLAICE - 4T - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
CATCHES/LANDINGS	LANDINGS					
MONTH	MAY			JUNE		
COUNTRY	CANADA (QUEBEC)			CANADA (MARITIMES)		
SEX	♂	♀	♂	♂	♀	♂
TONNAGE	151-150			26-50		
24	-	-	-	-	-	7
25	-	-	-	-	-	-
26	-	-	-	-	-	-
27	-	-	3	-	-	2
28	-	-	-	-	-	2
29	-	-	-	-	-	2
30	-	-	-	-	-	9
31	-	-	-	-	-	18
32	-	-	10	-	-	20
33	-	-	16	-	-	29
34	-	-	29	-	-	40
35	-	-	26	-	-	80
36	-	-	42	-	-	100
37	-	-	35	-	-	105
38	-	-	68	-	-	96
39	-	-	35	-	-	93
40	-	-	100	-	-	69
41	-	-	61	-	-	44
42	-	-	58	-	-	47
43	-	-	55	-	-	27
44	-	-	68	-	-	22
45	-	-	42	-	-	20
46	-	-	55	-	-	29
47	-	-	13	-	-	19
48	-	-	39	-	-	22
49	-	-	35	-	-	9
50	-	-	39	-	-	13
51	-	-	10	-	-	11
52	-	-	26	-	-	29
53	-	-	13	-	-	11
54	-	-	19	-	-	9
55	-	-	6	-	-	9
56	-	-	16	-	-	9
57	-	-	19	-	-	5
58	-	-	19	-	-	2
59	-	-	13	-	-	2
60	-	-	16	-	-	-
61	-	-	3	-	-	-
62	-	-	-	-	-	-
63	-	-	3	-	-	-
64	-	-	3	-	-	-
65	-	-	-	-	-	1
66	-	-	3	-	-	-
TOTAL ‰	-	-	998	-	-	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	3
NUMBER OF FISH MEASURED	-	-	310	-	-	450
MEAN LENGTH (CM)	-	-	44.04	-	-	40.8
MEAN WEIGHT (KG)	-	-	-	-	-	0.70
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE (INCHES)	-	-	4 1/2	-	-	4 5/8-5
RANGE OF DEPTHS (FM)	-	-	-	-	-	50-60

TABLE 81 LENGTH FREQUENCIES - AMERICAN PLAICE - 4T - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)				
CATCHES/LANDINGS	LANDINGS				
MONTH	SEPTEMBER			OCTOBER	
COUNTRY	CANADA (MARITIMES)				
SEX	♂	♀	♂	♀	♂
TONNAGE	26-50			51-150	
28	-	-	-	-	11
29	-	-	-	-	11
30	-	-	-	-	45
31	-	-	5	-	45
32	-	-	10	-	69
33	-	-	50	-	114
34	-	-	75	-	148
35	-	-	95	-	80
36	-	-	135	-	80
37	-	-	105	-	91
38	-	-	65	-	34
39	-	-	80	-	80
40	-	-	50	-	34
41	-	-	25	-	45
42	-	-	50	-	23
43	-	-	40	-	34
44	-	-	20	-	23
45	-	-	35	-	-
46	-	-	20	-	-
47	-	-	10	-	-
48	-	-	15	-	-
49	-	-	30	-	-
50	-	-	5	-	11
51	-	-	15	-	11
52	-	-	15	-	-
53	-	-	5	-	-
54	-	-	5	-	-
55	-	-	-	-	11
56	-	-	10	-	-
57	-	-	5	-	-
58	-	-	-	-	-
59	-	-	-	-	-
60	-	-	5	-	-
61	-	-	10	-	-
62	-	-	5	-	-
63	-	-	-	-	-
64	-	-	-	-	-
65	-	-	5	-	-
TOTAL 0/00	-	-	1000	-	1000
SERIAL NUMBERS	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	1
NUMBER OF FISH MEASURED	-	-	200	-	88
MEAN LENGTH (CM)	-	-	39.9	-	36.2
MEAN WEIGHT (KG)	-	-	0.84	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-
MESH SIZE (INCHES)	-	-	4½	-	4 5/8
RANGE OF DEPTHS (FM)	-	-	10-40	-	14-16

TABLE 82 LENGTH FREQUENCIES - WINTER FLOUNDER - 4T - 1961 (FREQUENCIES IN 0/00 - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)					
CATCHES/LANDINGS	LANDINGS					
MONTH	SEPTEMBER			OCTOBER		
COUNTRY	CANADA (MARITIMES)					
SEX	00	01	02	00	01	02
TONNAGE	26-50			51-150		
20	-	-	-	-	-	3
21	-	-	-	-	-	-
22	-	-	-	-	-	14
23	-	-	-	-	-	14
24	-	-	-	-	-	52
25	-	-	-	-	-	52
26	-	-	15	-	-	110
27	-	-	25	-	-	155
28	-	-	50	-	-	103
29	-	-	65	-	-	134
30	-	-	94	-	-	107
31	-	-	149	-	-	72
32	-	-	70	-	-	65
33	-	-	99	-	-	34
34	-	-	94	-	-	24
35	-	-	84	-	-	24
36	-	-	40	-	-	14
37	-	-	50	-	-	14
38	-	-	55	-	-	3
39	-	-	35	-	-	3
40	-	-	35	-	-	-
41	-	-	15	-	-	3
42	-	-	20	-	-	-
43	-	-	-	-	-	-
44	-	-	5	-	-	-
TOTAL 0/00	-	-	1000	-	-	1000
SERIAL NUMBERS	-	-	-	-	-	-
NUMBER OF SAMPLES	-	-	1	-	-	1
NUMBER OF FISH MEASURED	-	-	201	-	-	291
MEAN LENGTH (CM)	-	-	33.3	-	-	28.7
MEAN WEIGHT (KG)	-	-	0.72	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-	-	-	-
ESTIMATED NUMBER LANDED	-	-	-	-	-	-
MESH SIZE (INCHES)	-	-	4½	-	-	4 5/8
RANGE OF DEPTHS (FM)	-	-	10-40	-	-	14-16

TABLE 83 LENGTH FREQUENCIES - WINTER FLOUNDER - 4X - 1961 (FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)		
CATCHES/LANDINGS	LANDINGS		
MONTH	OCTOBER		
COUNTRY	CANADA (MARITIMES)		
SEX	♂	♀	♂
TONNAGE	0-25		
25	-	-	5
26	-	-	34
27	-	-	58
28	-	-	87
29	-	-	106
30	-	-	44
31	-	-	92
32	-	-	34
33	-	-	39
34	-	-	34
35	-	-	34
36	-	-	29
37	-	-	53
38	-	-	39
39	-	-	29
40	-	-	44
41	-	-	44
42	-	-	44
43	-	-	34
44	-	-	34
45	-	-	19
46	-	-	10
47	-	-	5
48	-	-	19
49	-	-	5
50	-	-	-
51	-	-	5
52	-	-	5
53	-	-	5
54	-	-	5
55	-	-	5
TOTAL ‰	-	-	1000
SERIAL NUMBERS	-	-	-
NUMBER OF SAMPLES	-	-	2
NUMBER OF FISH MEASURED	-	-	206
MEAN LENGTH (CM)	-	-	35.0
MEAN WEIGHT (KG)	-	-	-
TOTAL WEIGHT LANDED (TONS)	-	-	-
ESTIMATED NUMBER LANDED	-	-	-
MESH SIZE	-	-	-
RANGE OF DEPTHS (FM)	-	-	-

TABLE 84 LENGTH FREQUENCIES - POLLOCK - 4W AND 4X - 1961 (FREQUENCIES IN % - 1 CM GROUPS)

DIVISION	4W	DIVISION	4X
GEAR	OTTER TRAWL (COMMERCIAL)	GEAR	OTTER TRAWL (COMMERCIAL)
CATCHES/LANDINGS	LANDINGS	CATCHES/LANDINGS	LANDINGS
MONTH	NOVEMBER	MONTH	JULY
COUNTRY	CANADA (MARITIMES)	COUNTRY	CANADA (MARITIMES)
TONNAGE	151-500	TONNAGE	0-25
58	9	43	7
59	9	44	-
60	19	45	-
61	9	46	7
62	28	47	13
63	9	48	13
64	-	49	33
65	-	50	80
66	-	51	53
67	19	52	53
68	37	53	80
69	37	54	33
70	47	55	53
71	28	56	13
72	75	57	60
73	28	58	87
74	19	59	67
75	37	60	67
76	56	61	33
77	75	62	27
78	28	63	60
79	75	64	20
80	66	65	20
81	28	66	20
82	47	67	20
83	19	68	27
84	28	69	13
85	75	70	7
86	-	71	7
87	28	72	-
88	19	73	7
89	19	74	-
90	9	75	7
91	9	76	-
92	-	77	13
93	9	78	-
TOTAL %/00	1000	TOTAL %/00	1000
SERIAL NUMBERS	-	SERIAL NUMBERS	-
NUMBER OF SAMPLES	1	NUMBER OF SAMPLES	1
NUMBER OF FISH MEASURED	107	NUMBER OF FISH MEASURED	150
MEAN LENGTH (CM)	76.4	MEAN LENGTH (CM)	57.5
MEAN WEIGHT (KG)	4.58	MEAN WEIGHT (KG)	3.97
TOTAL WEIGHT LANDED (TONS)	-	TOTAL WEIGHT LANDED (TONS)	-
ESTIMATED NUMBER LANDED	-	ESTIMATED NUMBER LANDED	-
MESH SIZE (INCHES)	4 5/8	MESH SIZE (INCHES)	4 1/2
RANGE OF DEPTHS (FM)	-	RANGE OF DEPTHS (FM)	-

TABLE 85

LENGTH FREQUENCIES - WHITE HAKE - 4T - 1961

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	OTTER TRAWL (COMMERCIAL)
CATCHES/LANDINGS	LANDINGS
MONTH	OCTOBER
COUNTRY	CANADA (MARITIMES)
TONNAGE	51-150
50-51	20
52-53	43
54-55	115
56-57	102
58-59	134
60-61	118
62-63	77
64-65	95
66-67	57
68-69	63
70-71	36
72-73	45
74-75	18
76-77	29
78-79	9
80-81	11
82-83	5
84-85	7
86-87	7
88-89	2
90-91	2
92-93	5
TOTAL ‰	1000
SERIAL NUMBERS	-
NUMBER OF SAMPLES	3
NUMBER OF FISH MEASURED	442
MEAN LENGTH (CM)	62.7
MEAN WEIGHT (KG)	1.97
TOTAL WEIGHT LANDED (TONS)	-
ESTIMATED NUMBER LANDED	-
MESH SIZE (INCHES)	4½-5
RANGE OF DEPTHS (FM)	15-21

TABLE 86

LENGTH FREQUENCIES - CUSK - 4X - 1961

(FREQUENCIES IN $\frac{0}{00}$ - 2 CM GROUPS)

GEAR	LONG LINE (COMMERCIAL)
CATCHES/LANDINGS	LANDINGS
MONTH	NOVEMBER
COUNTRY	CANADA (MARITIMES)
TONNAGE	26-50
32-33	3
34-35	8
36-37	6
38-39	11
40-41	25
42-43	17
44-45	31
46-47	20
48-49	62
50-51	73
52-53	48
54-55	81
56-57	112
58-59	95
60-61	87
62-63	84
64-65	75
66-67	50
68-69	50
70-71	28
72-73	8
74-75	17
76-77	-
78-79	6
80-81	3
TOTAL $\frac{0}{00}$	1000
SERIAL NUMBERS	-
NUMBER OF SAMPLES	2
NUMBER OF FISH MEASURED	357
MEAN LENGTH (CM)	57.2
MEAN WEIGHT (KG)	2.97
TOTAL WEIGHT LANDED (TONS)	-
ESTIMATED NUMBER LANDED	-
MESH OR HOOK SIZE	No. 17
RANGE OF DEPTHS (FM)	-

