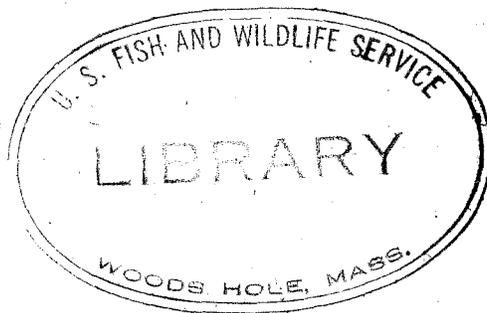


Data Relative to the
Status of the New England
Yellowtail Flounder Fishery

by

Fred E. Lux



66-05

Bureau of Commercial Fisheries
Biological Laboratory
Woods Hole, Massachusetts
Laboratory Reference No. 66-5
11 April 1966

JUL 19 1966

Table 1. --Yellowtail landings by fishing ground, 1942-65. Landings were calculated for each ground from vessel interviews, log book data, and published statistics of the Bureau of Commercial Fisheries. (In thousands of pounds.)

Year	Southern New England Ground	Georges Bank	Cape Cod Ground	Total ^{1/}
1942	62,797	2,385	3,330	68,512
1943	39,777	2,784	2,831	45,392
1944	23,406	3,670	3,335	30,411
1945	22,862	2,990	2,554	28,406
1946	23,867	1,913	2,774	28,554
1947	26,706	4,976	2,387	34,069
1948	21,872	12,472	1,464	35,808
1949	10,305	16,097	2,711	29,113
1950	10,384	8,581	2,974	21,939
1951	6,144	9,505	1,858	17,507
1952	6,591	8,051	1,714	16,356
1953	4,358	6,389	1,705	12,452
1954	3,340	6,364	2,469	12,173
1955	4,807	6,495	2,874	14,176
1956	7,809	3,515	3,245	14,569
1957	11,996	5,074	5,196	22,266
1958	19,637	9,995	3,555	33,187
1959	17,060	9,106	3,365	29,531
1960	17,293	9,804	3,996	31,093
1961	25,645	9,365	4,145	39,155
1962	39,172	17,127	4,333	60,632
1963	53,572	24,233	4,810	82,615
1964	45,761	32,878	4,080	82,719
1965	44,845	31,409	3,304	79,558

^{1/}--Total landings in Figure 1 are slightly higher than those in the above table because the former include small amounts of yellowtail from grounds off Nova Scotia.

Table 2. --Average yellowtail landings per day in pounds for New Bedford yellowtail trips and total calculated days fished for yellowtail by the entire New England otter trawl fleet for the southern New England ground and Georges Bank in 1943-65.

Year	Southern New England Ground		Georges Bank	
	Days fished	Landings per day	Days fished	Landings per day
1943	5,681	7,002	198	14,047
1944	4,164	5,621	217	16,881
1945	2,852	8,015	282	10,605
1946	3,596	6,636	232	8,264
1947	4,550	5,869	480	10,360
1948	5,047	4,334	1,122	11,116
1949	3,248	3,173	2,493	6,458
1950	3,062	3,391	1,636	5,246
1951	1,889	3,253	1,611	5,900
1952	2,364	2,788	1,596	5,043
1953	1,442	3,023	1,241	5,149
1954	1,200	2,784	1,385	4,595
1955	1,529	3,143	1,234	5,262
1956	2,297	3,399	790	4,452
1957	2,396	5,063	821	6,181
1958	3,666	5,356	1,400	7,139
1959	4,904	3,479	1,969	4,625
1960	4,439	3,896	2,018	4,858
1961	4,686	5,473	1,816	5,158
1962	5,383	7,277	2,347	7,297
1963	5,976	8,964	2,409	10,058
1964	5,613	8,152	3,552	9,255
1965	6,644	6,750	4,486	7,002

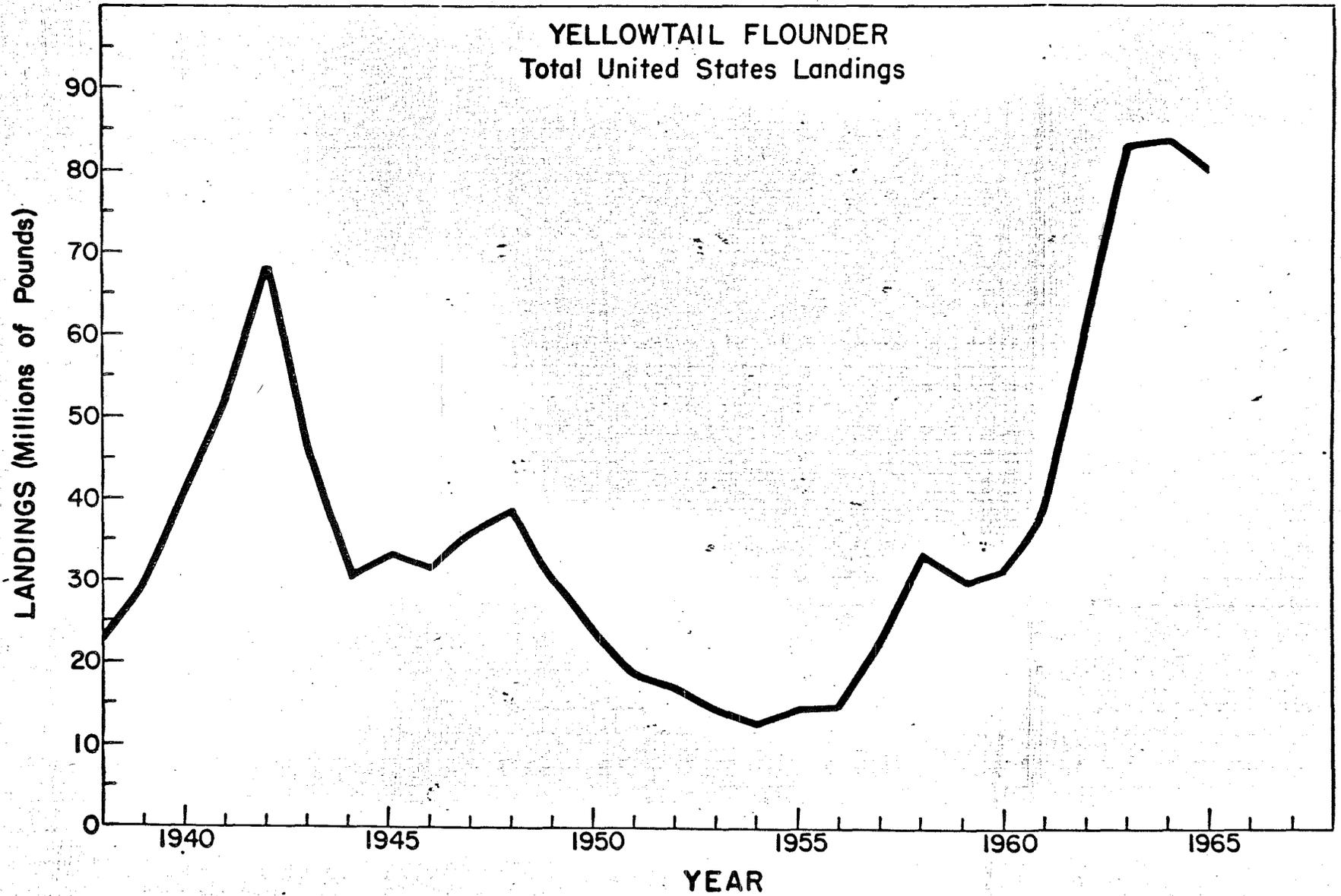


Figure 1. --Total United States landings of yellowtail flounder in 1938-65, in millions of pounds.

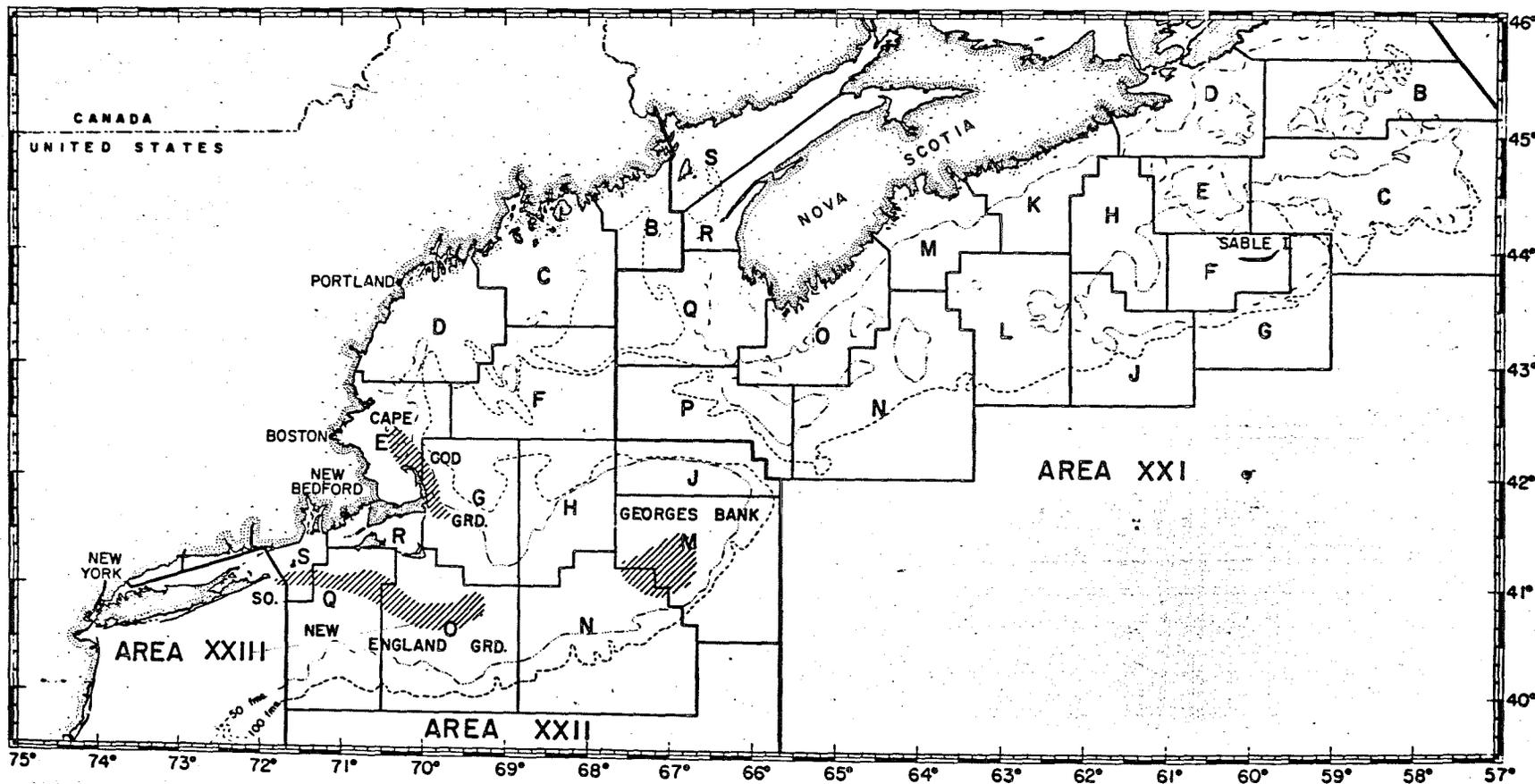


Figure 2. --Principal yellowtail grounds off New England (southern New England ground, Georges Bank, and Cape Cod ground) and areas within each (shaded) where most yellowtail are caught. (The statistical areas shown are those used for reporting catches by area.)

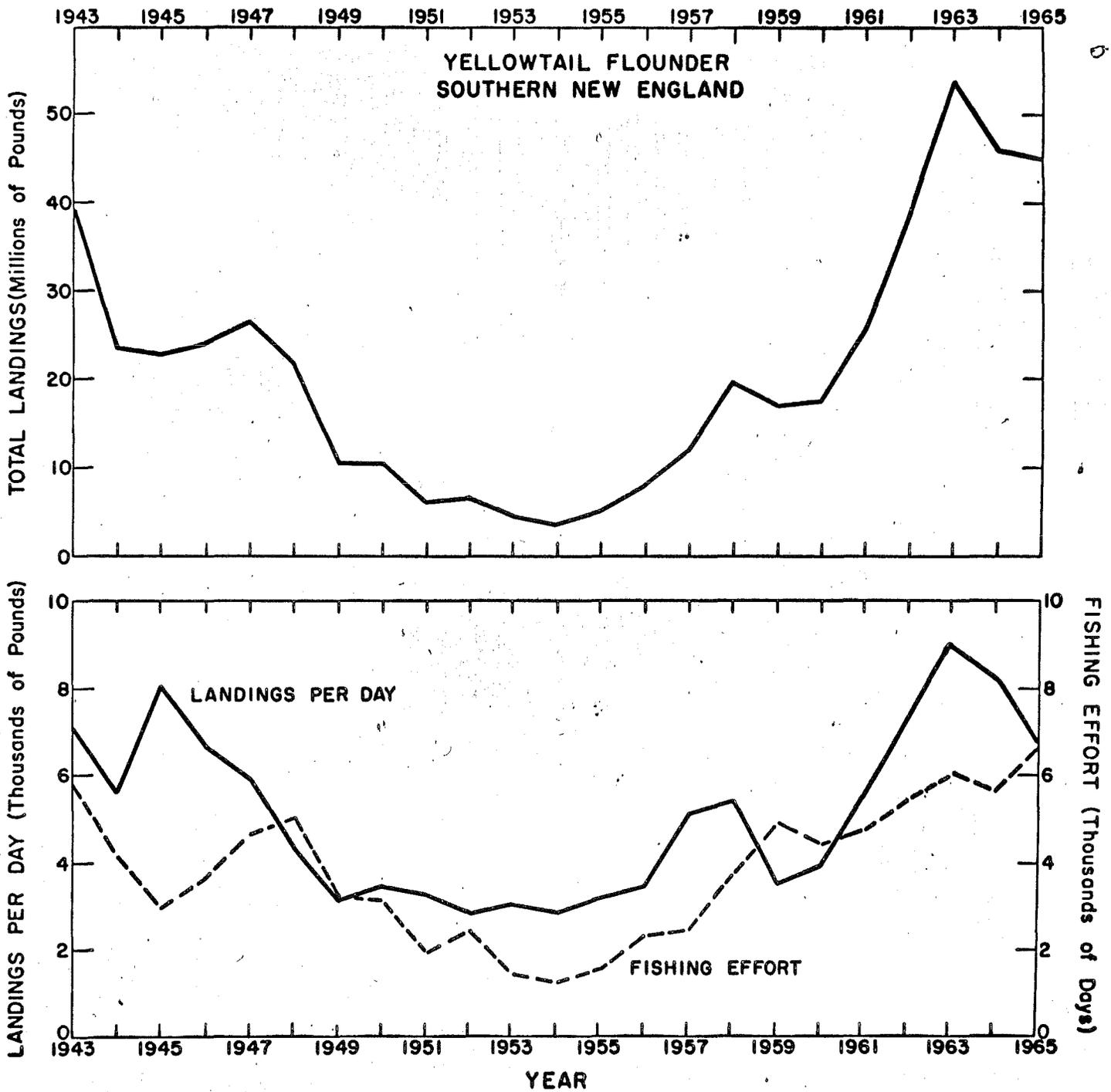


Figure 3. -- Yellowtail landings, average landings per day, and calculated fishing effort on the southern New England ground in 1943-65.

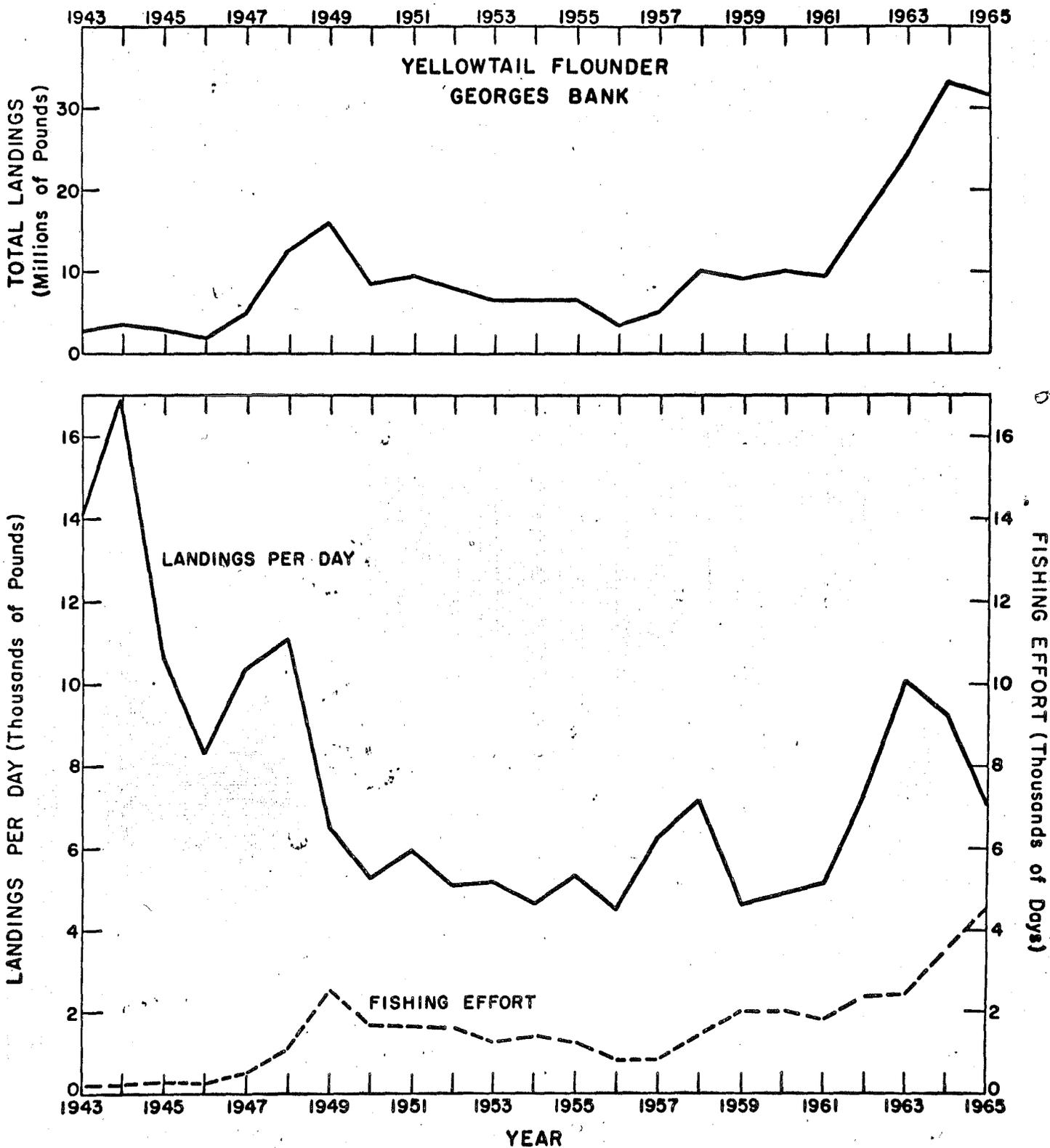


Figure 4. --Yellowtail landings, average landings per day, and calculated fishing effort on Georges Bank in 1943-65.

SO. NEW ENGLAND GROUND
JAN - DEC

GEORGES BANK
APR - SEPT

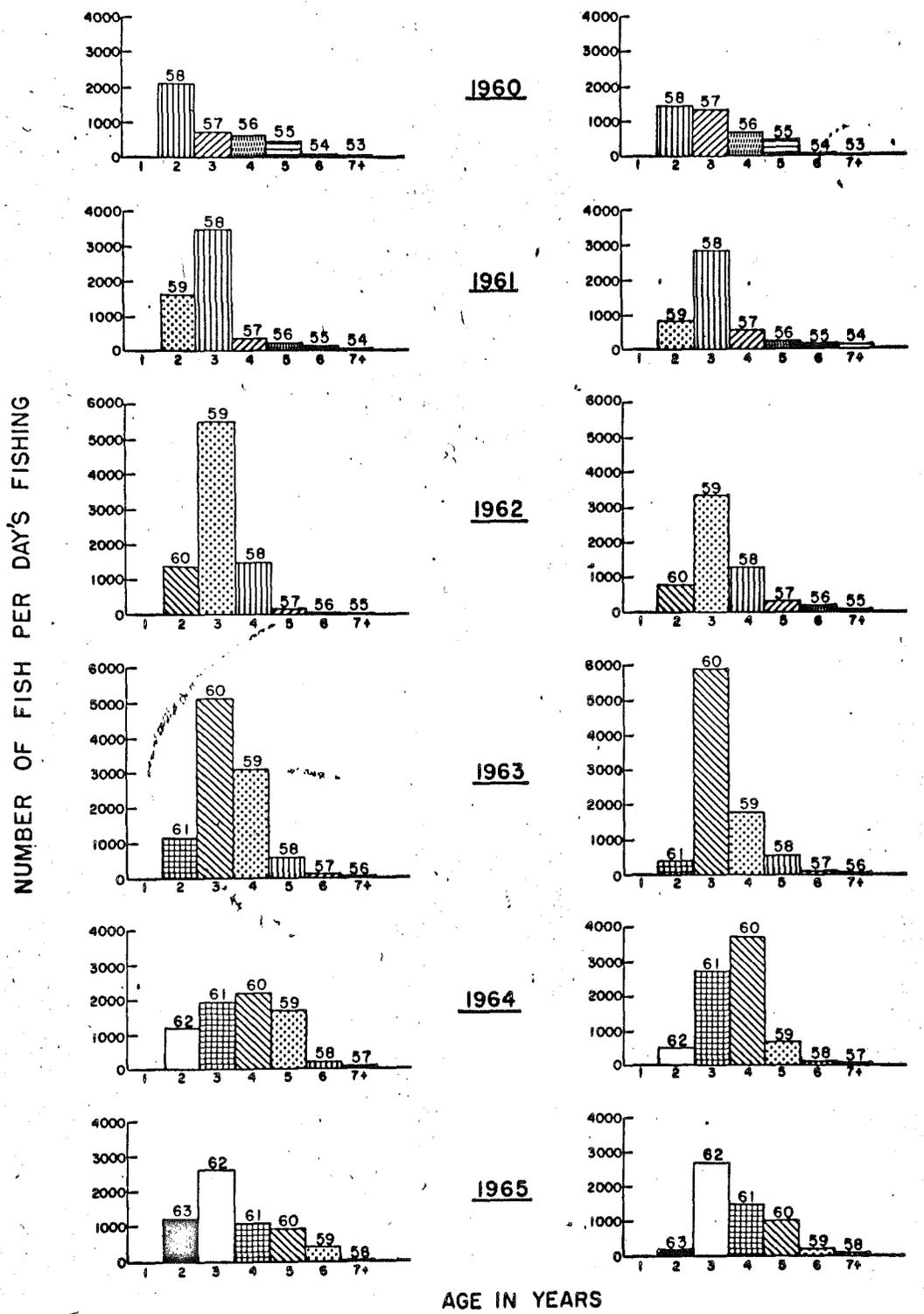


Figure 5. --The age compositions of yellowtail flounder in numbers of each age group caught per day of fishing for southern New England and Georges Bank in 1960-65. Year classes are identified by year in which they were spawned at the tops of the age group graphs; year class strength is indicated by relative numbers caught per day.