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License records of the blue crab fisheries, Virginia and Maryland, 1898-1960

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VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA

LICENSE RECORDS OF THE BLUE CRAB FISHERIES
VIRGINIA AND MARYLAND, 1898-1960

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DATA REPORT 3
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Virginia Institute of Marine Science
Gloucester Point, Virginia

LICENSE RECORDS OF THE BLUE CRAB FISHERIES
VIRGINIA AND MARYLAND, 1898-1960

W. A. Van Engel and F. J. Wojcik

Data Report 3

W. J. Hargis, Jr.
Director

August 1965

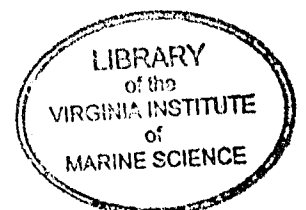


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LICENSE RECORDS OF THE BLUE CRAB FISHERIES,
VIRGINIA AND MARYLAND, 1898-1960

Introduction

Gear used in the Virginia and Maryland blue crab fisheries have been regulated since 1898. Numbers of fishermen and kinds of fishing devices have been reported in official state publications, in Virginia from 1899 through 1941 and in Maryland from 1916 to date. Unfortunately, these reports have sometimes been incomplete. The fact that Virginia licenses have been reported by fiscal year and Maryland's by calendar year, has made analysis and comparison difficult. The most complete Virginia record was extracted from files of the Commission of Fisheries, and is made available here for the first time, for the calendar years 1920 to date.

Trends in management of the Virginia fishery are indicated in the record of the taxes imposed since 1898. Unpublished minutes of the Commission of Fisheries have provided details complementary to the Acts of the General Assembly.

Estimates of the effort reported by the federal government since 1880 have been summarized with records of catch in VIMS Data Report 2.¹ These measures of effort were probably largely obtained from published or unpublished state files, and were published at approximately 5-year intervals up to 1929, and annually since then, in "Fisheries Industries of the United States" and "Fishery Statistics of the United States". Data on other American crustacean fisheries will be summarized in VIMS Data Report 4.

¹ Van Engel, W. A. and F. J. Wojcik. 1965. Catch and value of the Chesapeake Bay blue crab, 1880-1960. VIMS Data Report No.2. 39 p.

Explanatory notes for Table 1
License records of the blue crab fisheries
Data from unpublished records of Commission of Fisheries of Virginia

- (a) Numbers of gear in parentheses are estimates from revenue. No record prior to 1920 available. For further information on gear see pages 8 and 9.
- (b) Soft and hard crab scrapes are similarly taxed; separation since 1936 is based on month and district in which license is obtained.
- (c) Miscellaneous devices include push nets and haul seines.
- (d) The number of trap (fyke net) fisherman was not obtained before 1946, or in 1951 or 1952.
- (e) Estimates of the number of pots used are based on numbers allowed each fisherman, see page 9.
- (f) Total crabbers - A includes licenses for crabber, patent-dip trotline, soft and hard crab scrapes, dredges, man or boat to use hand and patent-dip trotlines, haul seines, push nets, scrapes, dredges and pots. Traps and trap fisherman are excluded.
- (g) Total crabbers-B includes Total crabbers-A and trap fisherman. No estimate for years 1936 to 1945.
- (h) The additional figures are for houses taxed at a different rate.

Table 1

Virginia crab licenses (a)
Data from unpublished records of the Commission of Fisheries of Virginia

Calendar year ending	Crabber	Patent dip trotline	Soft crab scrape (b)	Hard crab scrape (b)	Hard crab dredge	Misc. devices (c)	Trap, fyke nets	Trap, fyke men(d)	Pot	Est. Pots (e)	Total crabbers A (f)	Total crabbers B(g)	Picking, crating house(h)	Canning, picking house	Buyer	Year
1920	148	-	-	-	12	-	-	-	-	-	-	-	13	2	-	1920
1921	1819	2	-	11	27	-	-	-	-	-	1859	1859	43+1	2	69	1921
1922	(2135)	(0)	-	(3)	(26)	-	-	-	-	-	2164	2164	50+1	2	131	1922
1923	(1865)	(8)	-	(1)	(53)	-	-	-	-	-	1927	1927	61+1	2	77	1923
1924	(2072)	(47)	-	(11)	(56)	-	-	-	-	-	2186	2186	52	2	96	1924
1925	2858	(25)	-	(16)	(59)	-	-	-	-	-	2958	2958	70	2	126	1925
1926	2711	48	-	6	60	-	-	-	-	-	2825	2825	75	2	131	1926
1927	2668	40	-	3	64	-	-	-	-	-	2775	2775	84	2	130	1927
1928	2139	43	-	11	(67)	-	-	-	1	28	2261	2261	71	2	110	1928
1929	(1408)	36	-	14	67	-	-	-	3	69	1528	1528	66	2	93	1929
1930	1537	48	-	6	52	-	-	-	-	-	1643	1643	75	2	97	1930
1931	1464	44	-	4	61	-	-	-	-	-	1573	1573	60	2	115	1931
1932	1051	67	-	5	60	-	-	-	-	-	1183	1183	48	3	102	1932
1933	1066	54	-	38	54	-	-	-	-	-	1212	1212	59	2	108	1933
1934	1610	69	-	38	70	-	-	-	-	-	1787	1787	66	-	132	1934
1935	1698	62	-	42	92	-	-	-	1	23	1895	1895	70	-	122	1935
1936	1601	52	-	13	87	-	31	-	3	113	1756	-	74	-	131	1936
1937	1677	62	21	-	80	3	94	-	8	164	1956	-	76	1	122	1937
1938	1699	70	23	-	92	2	34	-	73	836	2039	-	70	1	141	1938
1939	1255	77	41	105	80	-	283	-	109	1125	1666	-	77	1	122	1939
1940	1261	46	18	-	79	-	400	-	349	7834	1770	-	85	-	138	1940
1941	945	60	20	-	96	-	527	-	476	16660	1687	-	92	-	108	1941
1942	771	33	53	116	70	-	527	-	525	18375	1498	-	79	-	76	1942
1943	737	46	7	53	63	-	440	-	444	15540	1334	-	79	-	78	1943
1944	601	55	42	46	54	-	341	-	600	22365	1401	-	73	-	64	1944
1945	535	37	36	39	64	7	322	-	740	37000	1476	-	81	-	62	1945

Table 1 (cont'd)

Virginia crab licenses (a)
Data from unpublished records of the Commission of Fisheries of Virginia

Calendar year ending	Crabber	Patent dip trotline	Soft crab scrape (b)	Hard crab scrape (b)	Hard crab dredge	Misc. devices (c)	Trap, fyke nets	Trap, fyke men(d)	Pot	Est. Pots (e)	Total crabbers (f)	Total crabbers B(g)	Picking, crating house(h)	Canning, picking house	Buyer	Year
1946	440	67	61	80	77	2	615	116	709	35450	1436	1552	99	-	69	1946
1947	427	62	52	78	78	-	694	112	726	36300	1423	1535	91	-	78	1947
1948	442	38	41	58	99	-	837	155	849	42450	1527	1682	89	-	87	1948
1949	436	58	22	88	107	-	1166	179	884	44200	1595	1774	88	-	94	1949
1950	298	55	23	72	94	-	1150	182	912	45600	1454	1636	95	-	115	1950
1951	272	70	35	153	122	-	1155	-	976	58560	1628	1628+	97	-	107	1951
1952	279	61	40	123	128	-	1290	-	901	63070	1532	1532+	83	-	107	1952
1953	306	89	29	129	150	-	1425	189	1038	83040	1741	1930	98	-	98	1953
1954	214	86	34	119	85	-	1722	216	943	84870	1481	1697	80	-	71	1954
1955	193	66	124	125	146	8	1831	230	1077	107700	1739	1969	85	-	96	1955
1956	166	57	88	101	73	6	2087	253	977	97700	1468	1721	76	-	81	1956
1957	152	74	44	95	120	8	2223	258	1051	105100	1544	1802	76	-	81	1957
1958	173	62	36	97	98	-	2343	269	958	95800	1424	1693	81	-	90	1958
1959	157	69	32	76	105	1	2731	280	1072	107200	1512	1792	80	-	97	1959
1960	124	116	46	105	118	3	2404	246	1291	129100	1803	2049	92	-	116	1960

Explanatory notes for Table 2
License records of the blue crab fisheries
Data from Annual and Biennial Reports, Commission of Fisheries of Virginia

- (a) Number of gear in parentheses are estimates from revenue. No data reported after 1941. For further information on gear see pages 8 and 9.
- (b) The fiscal year begins and ends one month later than the year of record of the licenses, i.e., the fiscal report of July 1 through June 30 covers licenses issued June 1 through May 31. 1899-1923, fiscal year ended September 30; 1924-41, fiscal year ended June 30. 1930 and 1931 covered 12-1/2 months; 1933, 11 months.
- (c) From 1910 to 1915 there was apparently a slow changeover from a lower (\$1.00) to a higher tax (\$2.00) for a crabber's license.
- (d) Soft and hard crab scrapes are similarly taxed and not separated in the reports.
- (e) March 1898 to September 1899.
- (f) Only revenue reported; estimates of number of gear usually not possible.
- (g) No report.
- (h) The additional figures are for houses taxed at different rates.
- (j) Included with picking and crating houses.

Table 2

Virginia crab licenses
Data from Annual and Biennial Reports, Commission of Fisheries of Virginia

Fiscal year ending (b)	Crabbers (c)	Crabbers (c)	Hand trotline	Patent dip trotline	Soft and hard crab scrape (d)	Hard crab dredge	Misc. devices trap, pot, seine	Total crabbers	Picking, crating house	Canning packing house	Buyer	Year
1899 (e)	-	-	-	-	-	-	-	786	-	-	-	1899
1900	-	-	-	-	-	-	-	506	-	-	-	1900
1901	-	-	-	-	-	-	-	443	-	-	-	1901
1902	-	-	-	-	-	-	-	570	-	-	-	1902
1903	-	-	-	-	-	-	-	558	-	-	-	1903
1904	-	-	-	-	-	-	-	521	-	-	-	1904
1905	-	-	-	-	-	-	-	484	-	-	-	1905
1906	-	-	-	-	-	-	-	661	-	-	-	1906
1907	-	-	-	-	-	-	-	540	-	-	-	1907
1908	-	-	-	-	-	-	-	615	-	-	-	1908
1909	-	-	-	-	-	-	-	638	-	-	-	1909
1910	501	7	-	-	1	-	-	509	1	-	-	1910
1911	308	194	100	-	2	18	-	622	8+27(h)	1+11(h)	-	1911
1912	105	172	-	-	9	13	-	299	8	2	14	1912
1913 (f)	-	-	-	-	-	-	-	-	-	-	-	1913
1914 (f)	-	-	-	-	-	-	-	-	-	-	-	1914
1915	7	190	-	-	-	60	-	257	43	2	26	1915
1916	-	1,080	-	-	-	65	-	1,145	45	2	44	1916
1917	-	2,541	-	-	10	70	-	2,621	52	2	2	1917
1918 (g)	-	-	-	-	-	-	-	-	-	-	-	1918
1919	-	1,128	-	-	19	23	-	1,170	46+1(h)	1	65	1919
1920	-	-	-	-	-	-	-	1,122	45	1	66	1920
1921	-	1,874	-	-	-	45	-	1,919	50+10(h)	2	69	1921
1922 (f)	-	-	-	-	-	-	-	-	(66)	(j)	-	1922
1923 (f)	-	-	-	-	-	45	-	-	(64)	(j)	-	1923
1924 (f)	-	-	-	-	-	-	-	-	(20)	(j)	(55)	1924
1925	-	-	-	-	-	-	-	2,884	91	(j)	134	1925

Table 2 (cont'd)

Virginia crab licenses
Data from Annual and Biennial Reports, Commission of Fisheries of Virginia

Fiscal year ending (b)	Crabbers (c)	Crabbers (c)	Hand trotline	Patent dip trotline	Soft and hard crab scrape (d)	Hard crab dredge	Misc. devices trap, pot, seine	Total crabbers	Picking, crating house	Canning packing house	Buyer	Year
1926 (f)	-	-	-	-	-	-	-	-	(50)	(j)	-	1926
1927	-	-	-	-	-	-	-	2,940	70	(j)	149	1927
1928	-	-	-	-	-	-	-	2,559	80	(j)	110	1928
1929	-	-	-	-	-	-	-	1,829	75	(j)	104	1929
1930	-	-	-	-	-	-	-	2,170	119	(j)	116	1930
1931	-	(1,272)	-	(49)	-	-	-	1,296	59	2	105	1931
1932	-	(1,026)	-	(69)	-	-	-	1,157	40	2	106	1932
1933	-	(1,067)	-	(50)	-	-	-	1,200	38	2	100	1933
1934	-	(992)	-	(36)	(114)	-	-	1,142	65	1	105	1934
1935	-	(1,688)	-	(73)	(138)	-	-	1,899	67	-	118	1935
1936	-	(1,514)	-	(44)	(96)	-	-	1,654	61	1	144	1936
1937	-	(1,871)	-	(87)	(204)	-	-	2,162	85	1	130	1937
1938	-	(1,816)	-	(68)	213	-	(106)	(2,202)	87	1	120	1938
1939	-	(1,615)	-	(75)	228	-	(280)	(2,135)	66	-	115	1939
1940	-	(1,072)	-	(28)	177	-	592	(1,869)	83	-	121	1940
1941	-	(1,417)	-	(78)	144	-	1,111	(2,761)	99	-	158	1941

Explanatory notes for Table 3
License records of the blue crab fisheries

- (a) Data from Annual and Biennial Reports, unpublished minutes and other records of the Commission of Fisheries of Virginia, and from Acts of the General Assembly and the Code of Virginia. Figures show the total cost to the licensee, which, from 1898 to 1936 included service fees paid to the inspector issuing the license. An asterisk (*) indicates that a change was made in the license tax, the inspector's fee or in the number of units of gear that could be used. Taxes were first levied March 1898. From 1899 to 1923, fiscal year ended September 30; from 1924 to 1962, fiscal year ended June 30; the interim period was October 1, 1923, to June 30, 1924.
- (b) The "crabbers" or "ordinary" license covers those gear not specifically exempted or specially taxed. From 1898 to 1910, this license was issued for the use of hand trotlines, dipnets, dredges, scrapes and haul seines, for both hard and soft crabs. From 1912 to 1916, it included only soft crab scrapes and haul seines. Hand trotlines were added in 1916. Since 1936, soft crab rakes and scrapes have been included only if they are not pushed or pulled by boat. Dipnets were exempted from 1910 to 1962, but included in 1962. Inspectors' fee: 1898-99, \$0.50; 1900-10, \$0.25; 1912-36, \$0.50.
- (c) Dredges and scrapes are used in the winter fishery for hard crabs. Before 1910 they were included in the general "crabbers" license. & From 1910 to 1916, sail boats using scrapes were taxed at one rate while power boats paid a higher tax. Between 1916 and 1962, power
- (d) boats under 32 feet in length were taxed at the lower rate. Since 1962, boats using hand-lifted scrapes or dredges have been taxed at a lower fee, while boats with power-lifted gear pay a higher tax. Inspectors' fees: 1898-00, \$0.50; 1901-10, \$0.25; 1911-36, \$0.50.
- (e) From 1898 to 1936, users of scrapes for catching soft and peeler crabs were taxed as "crabbers". After 1936, they were required to have a special scrape license. These scrapes have always been hand lifted into the boat to dump the catch. Inspectors' fees: 1898-00, \$0.50; 1901-10, \$0.25; 1911-36, \$0.50.
- (f) Hand trotlines were taxed as "crabbers" until 1910 and after 1916; between 1910 and 1916 they were licensed only if the catch was to be picked and canned. Inspectors' fees: 1900-10, \$0.25; 1911-36, \$0.50.
- (g) The patent-dip trotline was first licensed in 1920, although introduced a few years earlier. From 1936 to 1950 and after 1954, any person holding a picking or crating house license was permitted to use that license to take hard crabs with a patent trotline or any other device; between 1950 and 1954, through an error in numbering the legislative acts, the privilege was granted to the holder of a license to use a power boat over 32 feet in length. From 1944 to 1962, holders of crab pot license were permitted to use patent dip trotlines without securing trotline licenses, and vice versa; after 1962 separate licenses were required. Inspectors' fees: 1920-36, \$0.50.

Explanatory Notes for Table 3 (cont'd)
License records of the blue crab fisheries

- (h) Crab traps and pots were introduced in 1928 and taxed as "traps" at identical rates, 4 for \$2.00 and \$0.50 for each additional trap. This was changed the same year to 20 traps for \$2.00 and \$0.10 for each additional trap, plus an inspector's fee. Between 1935 and 1939, the gear was sometimes called a pound and taxed at the same rate as a fish pound, \$3.50 each, and sometimes called a fyke, taxed at a lower rate, which was set at \$1.50 in 1937. In 1939, devices with heads four feet square or smaller were labeled fykes and taxed at \$1.50 each, and those with heads exceeding four feet square were called pounds and taxed at \$1.50. Since 1954, the gear has been called a trap. Inspectors' fees: 1928-36, \$0.50.
- (i) Between 1928 and 1938, the pot was taxed as a "trap", as indicated in (h) above. Subsequent changes were: 1938-40, \$1.00 for 4 and \$0.25 for each additional pot; April-June 1940, \$4.00 per person for an unlimited number of pots; June 1940-February 1941, \$4.00 per person for 35 pots or less, February 1941-March 1944, \$5.00 per person for 35 pots or less; March 1944 - June 1956, \$10.50 per person for 50 pots or less; July 1956-60, \$10.50 for an unlimited number of pots; 1960-62, \$15.75 for an unlimited number of pots; since 1962, \$15.00 for each boat operator, but \$25.00 if catching crabs with one or more assistants; a holder of this license may use peeler pots, exempt from size limitations, without securing additional license. Until 1942 an operator who held a \$26600 crab dredging license was permitted to use crab pots without securing separate pot license; from 1944 to 1962, a holder of a petent trotline license was permitted to use pots without securing a pot license, and vice versa. Inspectors' fees: 1928-36, \$0.50.
- (j) Haul seines were often used before 1916, and operators may have obtained a "crabbers" license (see b) or a fish haul sein license which permitted them to catch crabs or fish. Between 1938 and 1941, seines were limited to 60 feet in length; they were prohibited from 1941 to 1944; 40-foot seines were permitted from 1944 to 1961; a maximum length of 30 feet was set in 1961.
- (k) Picking and crating houses were first taxed in 1910. From 1936 to 1962, with the exception noted under (g), the holder of a house license was permitted to use a patent dip trotline. Until 1941, a few soft crab shedding houses were licensed at \$5.50 instead of \$11.00. Inspectors' fees: 1910-36, \$1.00.
- (m) Canning and packing houses were first taxed in 1910. Inspectors' fees: 1910-36, \$1.00.
- (n) From 1912 to 1962, a license was required for each boat used in buying crabs, and for each person or firm marketing hard crabs by barrel or crate. Since 1962, additional licenses have been required for boats or motor vehicles in excess of three used in buying crabs. Inspectors' fees: 1912-36, \$0.50.

Table 3

Virginia crab license taxes (a)

Fiscal year ending	Crabber (b)	Hand trotline (f)	Patent trotline (g)	Soft crab scrape (e)	Hard crab scrape (d)	Hard crab dredge (c)	Pound net (h)	Crab trap (h)	Pot (h,i)	Haul seine (j)	Picking and crating house (k)	Canning and packing house (m)	Buyer and buy boat (n)	Year
1898	1.50	-	-	-	-	-	-	-	-	-	-	-	-	1898
1899	1.50	-	-	-	-	-	-	-	-	-	-	-	-	1899
1900	1.50*	-	-	-	-	-	-	-	-	-	-	-	-	1900
1901	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1901
1902	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1902
1903	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1903
1904	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1904
1905	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1905
1906	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1906
1907	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1907
1908	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1908
1909	1.25	-	-	-	-	-	-	-	-	-	-	-	-	1909
1910	1.25*	-*	-	-*	-*	-*	-	-	-	-	-*	-*	-	1910
1911	-	2.00	-	2.50	5.75	26.00	-	-	-	-	11.00	26.00	-	1911
1912	-*	2.00*	-	2.50*	5.75	26.00	-	-	-	-	11.00	26.00	-*	1912
1913	2.50	5.50	-	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1913
1914	2.50	5.50	-	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1914
1915	2.50	5.50	-	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1915
1916	2.50	5.50*	-	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1916
1917	2.50	-	-	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1917
1918	2.50	-	-	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1918
1919	2.50	-	-	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1919
1920	2.50	-	10.50*	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1920
1921	2.50	-	10.50	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1921
1922	2.50	-	10.50	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1922
1923	2.50	-	10.50	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1923
1924	2.50	-	10.50	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1924
1925	2.50	-	10.50	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1925
1926	2.50	-	10.50	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1926

Table 3 (cont'd)

Virginia crab license taxes (a)

Fiscal year ending	Crabber (b)	Hand trotline (f)	Patent trotline (g)	Soft crab scrape (e)	Hard crab scrape (d)	Hard crab dredge (c)	Pound net (h)	Crab trap (h)	Pot (h,i)	Haul seine	Picking and crating house	Canning and picking house (m)	Buyer and buy boat (n)	Year
1927	2.50	-	10.50	-	5.75	26.00	-	-	-	-	11.00	26.00	5.50	1927
1928	2.50	-	10.50	-	5.75	26.00	-	.*	.*	-	11.00	26.00	5.50	1928
1929	2.50	-	10.50	-	5.75	26.00	-	2.50	-	-	11.00	26.00	5.50	1929
1930	2.50	-	10.50	-	5.75	26.00	-	2.50	-	-	11.00	26.00	5.50	1930
1931	2.50	-	10.50	-	5.75	26.00	-	2.50	-	-	11.00	26.00	5.50	1931
1932	2.50	-	10.50	-	5.75	26.00	-	2.50	-	-	11.00	26.00	5.50	1932
1933	2.50	-	10.50	-	5.75	26.00	-	2.50	-	-	11.00	26.00	5.50	1933
1934	2.50	-	10.50	-	5.75	26.00	- *	2.50	-	-	11.00	26.00	5.50	1934
1935	2.50	-	10.50	-	5.75	26.00	3.50	2.50	-	-	11.00	26.00	5.50	1935
1936	2.50*	-	10.50*	.*	- *	26.00*	3.50*	2.50	.*	.*	11.00*	26.00*	5.50*	1936
1937	2.50	-	10.50	5.50	5.50	26.00	3.50	2.50*	5.00	5.00	11.00	26.00	5.50	1937
1938	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	1.00	5.00	11.00	26.00	5.50	1938
1939	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50*	1.00	5.00	11.00	26.00	5.50	1939
1940	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	1.00*	5.00	11.00	26.00	5.50	1940
1941	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	4.00*	5.00*	11.00	26.00	5.50	1941
1942	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	5.00	-	11.00	26.00	5.50	1942
1943	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	5.00	-	11.00	26.00	5.50	1943
1944	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	5.00*	.*	11.00	26.00	5.50	1944
1945	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1945
1946	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1946
1947	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1947
1948	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1948
1949	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1949
1950	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1950
1951	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1951
1952	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1952
1953	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1953
1954	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1954
1955	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1955

Table 3 (cont'd)

Virginia crab license taxes (a)

Fiscal year ending	Crabber (b)	Hand trotline (f)	Patent trotline (g)	Soft crab scrape (e)	Hard crab scrape (d)	Hard crab dredge (c)	Pound net (h)	Crab trap (h)	Pot (h,i)	Haul seine (j)	Picking and crating house (k)	Canning and picking house (m)	Buyer and buy boat (n)	Year
1956	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50*	10.50	11.00	26.00	5.50	1956
1957	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1957
1958	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1958
1959	2.50	-	10.50	5.50	5.50	26.00	3.50	1.50	10.50	10.50	11.00	26.00	5.50	1959
1960	2.50*	-	10.50*	5.50*	5.50*	26.00*	3.50*	1.50*	10.50*	10.50*	11.50*	26.00*	5.50*	1960
1961	3.75	-	15.75	8.25	8.25	39.00	5.50	2.50	15.75	15.00	16.50	39.00	8.25	1961
1962	3.75	-	15.75*	8.25	8.25*	39.00*	5.50	2.50	15.75*	15.00	16.50	-	8.25*	1962
1963	3.75	-	15.75	8.25	8.25	30.00	5.50	2.50	15.00	15.00	16.50	-	8.25	1963

Explanatory notes for Table 4
License records of the blue crab fisheries, Maryland

- (a) Data for 1916-1929 from 7th Ann. Rept., Cons. Dept., 1929 (1930); for 1930-1939 from 17th Ann. Rept., 1939 (1940).
- (b) Crabbers license permits use of any gear not otherwise prohibited or provided for, and includes scrapes, dip nets, trotlines, haul seines, crab traps, push nets, etc. Does not include potters, dredgers, packers or shippers licenses.
- (c) Packers and shippers licenses - \$10 for handling cooked hard or soft crabs or crab meat; \$5 for handling live hard or soft crabs.
- (d) Dip net, trotline, scrape and trap licenses included under "crabbers" licenses; sometimes reported separately.
- (e) Potters license - first reported separately in 1938; prohibited from 1941 to 1943; 35 pots per man permitted beginning July 2, 1943, in deeper waters of Chesapeake Bay outside territorial limits of any county and in the Potomac River; beginning June 1, 1947 in Pocomoke Sound; in Chincoteague Bay, Sinepuxent Bay, Isle of Wight Bay and Assawoman Bay and their tributaries in Worcester County beginning September 15, 1947; 50 pots per man permitted in areas cited above and in Tangier Sound beginning May 1, 1948, license fee \$10.00.
- (f) Crab trap - first reported separately in 1939; outlawed from 1941 to 1943 except in certain creeks in Somerset County; not reported separately after 1943.
- (g) Scrapes - never reported separately; use of engines in boats permitted in some areas beginning in 1941.
- (h) Dredges - hand drawn dredges not to exceed 36 inches in width first permitted in Chincoteague Bay, Sinepuxent Bay Isle of Wight Bay and Assawoman Bay and their tributaries in Worcester County beginning September 15, 1947. Fee of \$10.00 permits dredging from November 15 to March 15, both dates inclusive. Year of record is the year during which the dredging season ends.

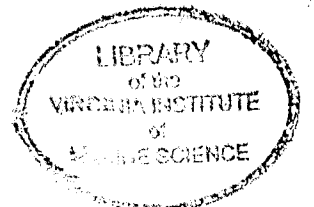


Table 4

Maryland crab licenses

Data from Annual Reports of the Conservation Department, the
Department of Tidewater Fisheries, and the Board of Natural Resources of Maryland (a)

Year	Crabbers(b)	Packers(c)	Shippers(c)	Trotlines(d)		Dip Net(d)	Pots(e)		Traps(f)		Scrapes	
				No. of men	No. of lines	No. of men	No. of men	No. of pots	No. of men	No. of traps	No. of men	No. of scrapes
1916	3500	59	170	-	-	-	-	-	-	-	730	-
1917	1709	178	-	-	-	-	-	-	-	-	378	-
1918	1814	78	80	-	-	-	-	-	-	-	402	-
1919	2375	57	103	-	-	-	-	-	-	-	407	-
1920	2055	66	126	-	-	-	-	-	-	-	455	-
1921	2695	66	141	-	-	-	-	-	-	-	533	-
1922	2912	58	142	-	-	-	-	-	-	-	460	-
1923	2553	65	144	-	-	-	-	-	-	-	420	-
1924	2668	65	135	-	-	-	-	-	-	-	389	-
1925	2515	55	125	-	-	-	-	-	-	-	406	-
1926	2018	57	116	-	-	-	-	-	-	-	291	-
1927	2235	55	123	-	-	-	-	-	-	-	279	-
1928	2275	57	132	-	-	-	-	-	-	-	270	-
1929	2390	58	167	-	-	-	-	-	-	-	223	-
1930	2795	66	166	-	-	-	-	-	-	-	215	-
1931	3012	61	183	1546	1560	1776	-	-	-	-	605	1098
1932	2562	63	178	1251	1227	1523	-	-	-	-	431	956
1933	3121	64	184	1307	1547	1458	-	-	-	-	397	642
1934	2041	50	161	1268	1531	1321	-	-	-	-	321	582
1935	2602	60	105	1410	1731	1220	-	-	-	-	334	708
1936	2427	58	184	1618	1881	983	-	-	-	-	344	708
1937	2086	51	172	1376	1586	863	-	-	-	-	296	632
1938	2004	112	111	1471	1766	670	9	55	-	-	307	614
1939	2441	114	127	1523	1851	484	-	-	8	31	274	548
1940	2116	46	181	1341	1695	449	18	515	19	97	224	448

Table 4 (cont'd)

Maryland crab licenses
 Data from Annual Reports of the Conservation Department, the Department of Tidewater Fisheries,
 and the Board of Natural Resources of Maryland (a)

	<u>Crabbers</u> (b)	<u>Potters</u> (e)	<u>Packers</u> (c)	<u>Shippers</u> (c)	<u>Dredgers</u> (h)
1941	1342	-	43	154	-
1942	1170	-	41	134	-
1943	1381	106	51	117	-
1944	1330	161	51	116	-
1945	1832	196	39	134	-
1946	1779	243	57	160	-
1947	1637	297	62	162	-
1948	1637	340	59	185	19
1949	1623	393	70	165	29
1950	1450	464	92	146	15
1951	1351	572	93	141	3
1952	1304	521	102	138	21
1953	1475	606	100	151	44
1954	1503	714	111	144	47
1955	2358	730	82	155	40
1956	2892	819	55	205	32
1957	2539	786	82	192	37
1958	2419	854	63	185	30
1959	2248	783	59	177	33
1960					43