

STATE OF NEW JERSEY

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D. of D.

REPORT

OF THE

Board of Shell Fisheries

For the Year Ending October 31st

1915

Embracing the Annual Reports of the Board of Shell Fisheries, comprising the Department of the Maurice River Cove and the Department of the Atlantic Coast and the State Biologist of the State Agricultural Experiment Station.

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Report of the Board of Shell Fisheries.

To the Honorable the Legislature of New Jersey:

We have the honor to submit herewith the annual report of the State Board of Shell Fisheries, as provided by Chapter 387, Laws of 1915.

The report also embraces the annual reports of its Departments and Divisions and a synopsis of the report of the Biologist of the State Agricultural Experiment Station.

We are pleased to be able to report the most prosperous year in the history of the shellfish industry of the State along most lines. Reports from the shipping centers, especially Maurice River and Bivalve, show that the year has been a most excellent one for the rapid growth and fine conditions of oysters and that the increased demand has been so great that the planters and shippers are gratified to note the increased volume of business over previous years. The success or failure of oyster culture apparently depends so largely upon so many mysterious influences that we are extremely anxious that all possible or reasonable assistance should be rendered by the State to the Biologist in his efforts to discover the mysterious causes which contribute so largely to the aforesaid success or failure of the propagation and cultivation of oysters.

For a number of years the oyster industry of the State has been gradually improving. This is especially so in the Delaware Bay section, for the protection and improvement of which progressive laws have been passed and rigidly enforced. The great improvement, more especially of the seed-producing grounds, shows the wisdom of such legislation, and there should be no hesitancy on the part of the members of the incoming Legislature in passing similar laws for the seaboard counties where the same would accomplish similar results. Several members of the Board have held this view and advocated such legislation for a number of years, and, since the consolidation act went into effect, people from Jersey City to Cape May have been corresponding with the Board, and the Director has visited the different localities, and we find that the sentiment prevails for uniform legislation. We earnestly recommend such legislation, which we have learned from experience will accomplish very beneficial results,

especially in the northern waters of the State, where there are great opportunities for seed production, more especially in view of the contemplated improvement of sanitary conditions of that section.

On August 20th, 1915, J. W. and Calvin E. Parker of the firm of J. W. Parker & Brothers, of Tuckerton, Ocean county, discovered Mason Price, of Parkertown, using a rake on lot No. 321 leased to J. W. Parker & Brothers. They notified the Director and the case was brought before the Grand Jury of Ocean county in September, but no indictment was found. It was again brought before the Grand Jury in December and an indictment was found and Price was found guilty and fined \$100 and costs on December 28th.

We find that the revenues derived from this industry are near equal to the expenditures and, with the investigations we have made, we have learned of sources where additional revenue can be collected which we believe will be sufficient within a very short time under the legislation which we hope to have passed at the coming session of the Legislature to make the Department more than self-sustaining.

We will not attempt to give a detailed report of the receipts and expenditures for the year for the reason that the report only covers four months' work of the Board of Shell Fisheries.

LEASES AND LICENSES ISSUED.

| | Number of Acres. | Number of Licenses. |
|--|---------------------|------------------------|
| Oyster Bed Leases, Atlantic County,..... | 649.75 | |
| Propagating Oyster Beds, | 207.50 | |
| Delaware Bay and Maurice River Cove, | 28,088.00 | 218 |
| Ocean County, | 3,208.00 | |
| Raritan Bay, | 511.75 | 19 |
| Shark River, | 207.00 | |
| Total, | 32,872.00 | 237 |

TOTAL RECEIPTS FROM LEASES, LICENSES, ETC.

| | |
|---|-------------|
| Atlantic County, | \$1,064 75 |
| Delaware Bay, Maurice River Cove and Raritan Bay, | 22,575 75 |
| Ocean County, | 1,746 35 |
| Shark River, | 236 75 |
| Total, | \$25,623 60 |

RECAPITULATION.

| | |
|------------------------------|-------------|
| Total Acreage Leased, | 32,872.00 |
| Total Licenses Issued, | 237.00 |
| Total Receipts, | \$25,623.60 |

Of the above receipts, \$12,072.63 was received by the several Commissions during the period from November 1st, 1914, to July 1st, 1915, and the balance of the above receipts, amounting to \$13,550.97, was received by the Board of Shell Fisheries during the period from July 1st, 1915, to November 1st, 1915.

Appropriations to the amount of \$29,400.00 were made for the uses of the several Commissions and of the above amount \$21,309.71 was expended by the said Commissions during the period from November 1st, 1914, to July 1st, 1915, and of the balance of \$8,090.29, \$7,913.39 was expended by the Board of Shell Fisheries during the period from July 1st, 1915, to November 1st, 1915.

A special appropriation of \$2,500.00 was made for the purchase and installation of a new boiler in the State Guard Boat "Cypher," and \$2,302.39 was expended for that purpose.

Report of Prof. Julius Nelson, Biologist.

There are now two Acts in force in New Jersey providing for scientific investigation in oyster culture: (1) Chapter 187 of 1907 authorizes the "Director of the Agricultural College Experiment Station in New Brunswick to establish and maintain one or more stations in the oyster-growing sections of the State for the scientific investigations of oyster propagation." (2) Chapter 280 of 1911 authorizes the Bureau of Shell Fisheries, "with the Biologist of the State Agricultural Experiment Stations, to install and maintain at various points within the State, adjacent to, or upon, the oyster or clam-producing waters, observation stations for the taking of temperatures, testing of waters and bottoms, and gathering such other information as may be essential to the advancement of the shellfish industry."

The earlier Act limits the amount that may be annually appropriated to \$1,200; but, with two or three exceptions, not more than \$900 has been spent yearly. With this sum the State Experiment Station has established three stations and maintained them with their equipment of investigators and apparatus. The latter includes the construction of two shacks and a laboratory houseboat, the purchase of two power boats, four microscopes, two rowboats, two filing cases, four museum cases, various meteorological instruments, projection apparatus, a microtome, etc., etc. This efficiency in expenditure was possible, because the salary of the Biologist in charge is paid from Federal funds, the State paying only his expenses. The later Act mentions no limit to the amount that may be expended; and only one appropriation of \$500 has been granted. This was used by the Bureau of Shell Fisheries in the erection and equipment of the station at Scullville.

Why should there be two enactments and two institutions for the furtherance of scientific research in oyster culture? Long before there was a Bureau of Shell Fisheries, the Biologist of the Agricultural Experiment Stations, recognizing that the oyster industry of New Jersey was an important food-producing agency, and having been appointed to study the problems connected with the production of those human foods that originate in the Animal Kingdom, logically included the oyster as an important subject for investigation.

The entire cost of these researches was met from the funds coming to the College Experiment Station under the National "Hatch Act." Twelve years later the State of New Jersey encouraged these efforts by providing (Chapter 210 of 1901) \$200 per annum towards the expenses. Thus was inaugurated a policy which more and more focused the attention of the Biologist upon this field of study and led to the increase in the appropriation in 1907.

Out of the discoveries made during the progress of these investigations, the Biologist evolved a system of observation of the climatic influences that affect oyster propagation, resembling the weather and crop service established for the benefit of land farmers. This observation service enables one to declare where and when shells should be planted as "cultch" to secure the best catch of oyster seed. It is, therefore, urgent that such observations should be made in each locality where oysters are produced to any important extent. Apart from the investigations by the State Board of Health, there has been little or no scientific study of the Delaware Bay region where most of the New Jersey oysters are grown. It is clearly the duty and privilege of the State Board of Shell Fisheries to establish at least two observation stations on the Delaware Bay shores of our State for the direct benefit of this section. Also, the statistics thus secured will be of great value when compared with those that have been collected at the stations now on Barnegat Bay, Little Egg Harbor, Great Bay and Great Egg Harbor, thus making it possible to determine which adjustments in the behavior of oysters are responses to local conditions, and which ones are essentially ingrained in the oyster's nature. We can control some of these factors, but we have to adjust our cultured methods to the others. This sort of analysis is the object of all biological investigation, and is of the utmost practical utility.

The oyster investigations conducted by the Experiment Station naturally began nearest the home base, and have moved successively farther and farther south along the coast. Each locality is favorable for the study of special problems. The stations at Barnegat and Tuckerton are most convenient for the present researches; but if the observers whom we want to place in the Delaware Bay region shall discover particularly favorable conditions for the solution of special problems, the Biologist will be glad to avail himself of such opportunities.

The general research work is quite distinct from the proposed observation service. The former requires expert experimentation, whereas the latter can be prosecuted by persons with a lower degree of qualification. They should have sufficient intelligence to learn how to use the various instruments

with which the data to be recorded are secured, as the most essential instrument used is a compound microscope of moderate power; some experience in biological methods of study is desirable, and will count in competition. In any case, as this service is unique, it is necessary for the Biologist to instruct each observer in his duties and supervise his work subsequently.

The Bureau of Shell Fisheries was established in 1903, and the Biologist has annually furnished, by courtesy, an abstract of his report as Biologist of the Experiment Station, for the use of the Bureau. It was in this way that the former Chief of the Bureau, Charles R. Bacon, came to recognize the importance of the observation service, as it became gradually perfected, and the act of 1911 was the result. Such a service is as distinct from the research work of the Biological Department as the mosquito extermination service is from the Entomological Department, or the Weather Bureau is distinct from the Agricultural Department. Logically, the two services could be combined into a single organization, involving the subordination of the Biological Department to the Board of Shell Fisheries, or the reverse, but the organization, and legal status, of these two institutions, compels them to be distinct, though co-ordinate, and therefore calls for co-operation. The observation service being applied science, it seemed fitting that the Bureau of Shell Fisheries should take charge of it, at least on the financial and administrative side, leaving the Biologist to supervise the scientific aspects of the work, he rendering a report to the Bureau as a duty, rather than by courtesy.

Now that the word "Bureau" has been changed to "Board," there has been no change in the relations between these two co-operating branches of the State service. We are therefore asking that a suitable sum be appropriated for the use of the Board of Shell Fisheries in following out the provisions of Chapter 280, Laws of 1911. The Scullville station should be continued in operation, and two new stations at least be established in the Delaware Bay region. The cost of maintaining an observation station is \$300 per annum. The cost of establishing and equipping a station varies with circumstances. At least \$200 is needed for the erection of a simple shack, and its simplest equipment, including a rowboat. If this boat is provided with a motor, another hundred is needed. But such small motor boats can be used only on creeks or rivers. For work on open bays, the best plan is to hire the services of a man having a suitable motor boat, for the season. This is better than providing such a boat for the use of the observer alone, as his work should not be interrupted by the labor of caring for a motor.

The salary of the observer should not exceed \$70 or \$75 per month for a maximum of three months each season. In fact, we have secured qualified observers at \$60, they paying for their own maintenance. There is an advantage to this service to have the observer board and room in the shack, and, for this reason, the necessary kitchen utensils and bedding have been considered part of the equipment of the station.

Herewith we give a table showing in condensed form the chief data secured by our observers at Barnegat and Tuckerton. We deeply regret having to record the closure of the station at Scullville, through the untimely and deplorable death of the observer in charge, Franklin Fort Bacon, who was drowned near the mouth of the Tuckahoe River last July 12th. This

bright young man had entered upon his duties with enthusiasm; he had been trained under the personal supervision of the Biologist during the previous season, and gave promise of great usefulness and efficiency. The observation work involves so much microscopical investigation that only persons specially trained for this work can succeed in getting the desired data. The loss of our observer, occurring as it did right in the midst of the season, necessitated the closure of the Scullville station. It is hoped that an appropriation may be secured for reopening it next summer and also for the establishing of a few additional stations, mainly on the Delaware Bay shore, where there has hitherto been no study of local conditions of oyster propagation.

The season of 1915 was marked by great delay in the time for "spawning" and of the "setting" of spat. Normally, spawning should occur about June 20th and the spatting about two and a half weeks later. For a series of years these processes have been delayed, but not so much as this year. The main spawning was over a month late and the main spatting did not occur until towards the close of the first week in August. There was a fair set of spat at Barnegat July 14th, which doubtless came from the shallow water oysters.

It is important to learn how long the young oyster fry swim or float about after the eggs hatch before they set as spat. In this way it is possible to predict with a fair degree of accuracy the date when spatting will occur. Then those who have cultch to plant can place it at the most advantageous time.

Our earlier investigators believed that the fry set in from two days to a week after spawning. Our research disclosed the fact that it takes longer than a week even at the highest natural temperatures, and it may take nearly a month, at temperatures approaching 70 degrees. Oysters do not seem to propagate in waters that fail to reach this temperature.

Both spawning and spatting occur mainly during warm spells. Much work remains to be done to fully determine the habits of the oyster fry. They like to come to the surface on quiet and sunny days, while cold weather, darkness and rough water sends them down. But they also prefer to come to the top on a flood rather than on an ebb tide. It is very likely that we lack a clear idea of the habits of these fry which will enable us to act intelligently in collecting them.

In this respect our experiments and observations are of the greatest importance. Special studies were made on the enemies of the oyster fry, their food, the conditions for their production by artificial fertilization, etc.

We have also studied the subject of "green oysters" and the presence of copper in oysters. While these matters are still incomplete, it will suffice to state at present that a green oyster may or may not contain more copper than a white-fleshed specimen. *Copper is present in all shellfish.* The green color is not that of a salt copper. Even white-fleshed oysters differ in their copper content. The green color may not be simply absorbed from the food. It seems to appear when oysters live in water lacking oxygen. But this is a fine field for further research.

Explanation of the Table.

It is necessary to introduce the following table with a little explanatory matter.

The left-hand half of the table pertains to Barnegat and the right half to Tuckerton. All the dates are in the first column at the left and apply to both stations equally. In each station there are five columns, and to the right of the Tuckerton data is an extra column giving the air temperature and rain. In the column designated "Barnegat" the letters refer to the places where the water samples were taken. "Lag." refers to the lagoon or "wide place"; "C" to the outlet of the canal to the bay; "B" to a station east of Cat Islands—"A" is west of Cat Islands, "D" is at the head of the lagoon near the laboratory, "d" is the dock by the laboratory. In the column headed "Tuckerton," "E" stands for Ezra Creek; "NC" for a side creek north of the laboratory; "M" is the Mullica River near Turtle Island; "Cove" is Edge Cove; "CB" is a course from the mouth of the Cove out into the bay; "Cm" means mouth of Cove. As to the columns headed "s," "m," "l," the first records the proportion of small, newly hatched oyster fry found in a bucketful of water taken at the designated place. The second records the number of medium sizes, and the last those that are nearly ready to set as spat. "Tow" means that a fine net was used instead of a bucket. An * indicates presence of fry not counted.

SUMMARY OF OYSTER PROPAGATION OBSERVATIONS, NEW JERSEY, 1915.

| DATE. | Barnegat. | | | | | Tuckerton. | | | | | AIR TEMP., ETC. |
|----------------|-----------|----|------|-----|-----------|------------|------|------|-----|-----------|-----------------|
| | Water. | S | M | L | Condition | Water. | S | M | L | Condition | |
| June 11, | | | | | E | 71 | 65 | | | | |
| June 12, | | | | | E | 74 | 35 | | | | Rain. |
| June 13, | | | | | E | 75 | 25 | 15 | | | |
| June 14, | | | | | E | 74 | 30 | 10 | | | |
| June 15, | | | | | E | 81 | 30 | 10 | | | 81 F. |
| June 19, | C | 75 | | | Bay | 79 | ? | * | | | 78 F. |
| June 20, | B | 76 | | | E | 80 | 0 | | | | 78 F. |
| June 21, | B | 70 | 10 | 5 | Bay | 74 | 0 | | | | 76 F. |
| June 22, | B | 68 | 0 | 0 | NC | 72 | 4 | | | | Rain, 60 F. |
| June 23, | d | 66 | 0 | | | | | | | | 66 F. |
| June 24, | B | 70 | 0 | | Bay | 68 | 0 | | | | Tow 70 F. |
| June 25, | B | 72 | 0 | | NC | 68 | 0 | | | | 72 F. |
| June 26, | Lag. | 74 | 0 | | NC | 73 | 0 | | | | Rain, 78 F. |
| June 27, | B | 72 | 15 | | NC | 72 | 0 | | | | Rain, 72 F. |
| June 28, | B | 74 | 10 | | NC | 74 | 0 | | | | 75 F. |
| June 29, | C | 71 | 0 | | NC | 76 | 0 | | | | 76 F. |
| June 30, | B | 75 | 10 | | NC | 79 | 0 | | | | Rain, 75 F. |
| July 1, | B | 78 | 10 | 10 | Bay | 75 | 0 | | | | 85 F. |
| July 2, | d | 76 | | | Bay | 75 | 4 | *1 | Tow | | 80 F. |
| July 3, | d | 74 | 55 | 15 | Bay | 76 | 4 | * | Tow | | Rain, 83 F. |
| July 4, | C | 79 | 80 | 15 | E | 74 | 1 | | | | Night wind. |
| July 5, | C | 68 | 46 | 40 | 4 | | | | | | Rain, 76 F. |
| July 6, | C | 76 | 38 | 26 | 14 | M | 76 | 14 | | | 78 F. |
| July 7, | C | 74 | 40 | 16 | 8 | | | | | | Rain, 79 F. |
| July 8, | C | 71 | 24 | * | * NC | 73 | 1 | | | | 77 F. |
| July 9, | C | | 1 | 50 | 3 Cove | | 0 | *6 | 5 | Tow | 81 F. |
| July 10, | A | | | 20 | 8 CB | 75 | 2 | *3 | 1 | Tow | 77 F. |
| July 11, | B | 76 | 10 | 20 | 20 E | 74 | 3 | 2 | 2 | | 80 F. |
| July 12, | C | 76 | | 23 | 24 CB | 76 | 0 | 1 | 0 | | 79 F. |
| July 13, | d | 72 | 24 | 16 | M | 76 | 0 | | | | 77 F. |
| July 14, | C | 80 | 20 | 8 | 4 CB | 80 | 147 | 0 | 0 | Tow | 83 F. |
| July 15, | d | 83 | 260 | 23 | Bay | 82 | 80 | | | | 88 F. |
| July 16, | C | 79 | 70 | 15 | Cm | 78 | 120 | | | | 83 F. |
| July 17, | C | 82 | 216 | * | * Bay | 80 | 10 | 1 | | | Rain, 94 F. |
| July 18, | B | 82 | 60 | 16 | 40 E | 78 | 45 | | | | 85 F. |
| July 19, | C | 81 | 24 | 16 | 24 | | | | | | 86 F. |
| July 20, | D | 76 | 28 | 88 | 40 E | 78 | 61 | 1 | | | 77 F. |
| July 21, | D | 76 | 20 | 15 | 4 | | 78 | 42 | * | | 74 F. |
| July 22, | D | 74 | 4 | 8 | 8 Bay | 79 | 75 | 250 | | | 75 F. |
| July 23, | All | 74 | 0 | 0 | 0 CB | 76 | 25 | 75 | | | 74 F. |
| July 24, | All | 72 | 4 | 0 | 0 E | 74 | 88 | 8 | | | 73 F. |
| July 25, | All | 74 | 8 | 0 | 0 E | | 40 | 2 | | | 74 F. |
| July 26, | All | 78 | 3 | 0 | 0 E | | 50 | | | | 75 F. |
| July 27, | B | 78 | 1000 | 708 | 0 E | 78 | 5142 | | | | 80 F. |
| July 28, | D | 76 | 680 | * | Bay | 78 | 9180 | | | | Night wind. |
| July 29, | C | 81 | 120 | 40 | 16 Bay | 78 | 1230 | | | | 90 F. |
| July 30, | C | 84 | 40 | 52 | 36 Bay | 82 | 948 | 420 | 12 | | 90 F. |
| July 31, | C | 82 | 400 | 320 | 356 Bay | 82 | 5720 | 40 | 400 | | 93 F. |
| Aug. 1, | C | 83 | 80 | 80 | 76 E | 82 | 640 | 3920 | 80 | | Rain, 87 F. |
| Aug. 2, | C | 85 | 80 | 88 | 320 E | 87 | 960 | 912 | 48 | | Rain, 86 F. |
| Aug. 3, | D | 74 | 52 | 20 | 20 | | | | | | Rain, 70 F. |
| Aug. 4, | C | 80 | 12 | 36 | 40 Bay | 79 | 112 | 88 | 24 | | 84 F. |
| Aug. 5, | C | 74 | 8 | 24 | 40 | | | | | | Rain, 74 F. |
| Aug. 6, | All | 72 | 0 | 0 | 0 Bay | 74 | 64 | 16 | 0 | | 68 F. |
| Aug. 7, | C | 74 | 60 | 32 | Bay | 73 | 4 | 4 | 4 | | 74 F. |
| Aug. 8, | C | 74 | 40 | 68 | 40 | | | | | | Rain, 82 F. |
| Aug. 9, | C | 72 | 124 | 28 | 36 Bay | 78 | 292 | 4 | | | Rain, 84 F. |
| Aug. 10, | C | 72 | 40 | 48 | 44 E | 77 | 820 | 4 | | | 80 F. |
| Aug. 11, | B | 74 | 60 | 12 | 44 Bay | 77 | 1792 | | 8 | | 68 F. |
| Aug. 12, | B | 72 | 52 | 40 | 60 E | 80 | 456 | 8 | | | Rain, 79 F. |
| Aug. 13, | C | 74 | 16 | 32 | 24 Bay | 79 | 280 | | | | Rain, 84 F. |
| Aug. 14, | B | 74 | 32 | 16 | 16 Bay | 81 | 544 | 208 | 0 | | 86 F. |
| Aug. 15, | C | 78 | 20 | 12 | 12 Bay | 82 | 392 | 120 | 0 | | 84 F. |

SUMMARY OF OYSTER PROPAGATION OBSERVATION, NEW JERSEY, 1915.—Continued.

| DATE. | Barnegat. | | | | | Tuckerton. | | | | | AIR TEMP., ETC. |
|----------------|-----------|----|----|----|-----------|------------|----|-----|-----|-----------|-----------------|
| | Water. | S | M | L | Condition | Water. | S | M | L | Condition | |
| Aug. 16, | B | 85 | 4 | 8 | 4 | Bay | 83 | 224 | 104 | 112 | 87 F. |
| Aug. 17, | D | 64 | 12 | 0 | 0 | Bay | 80 | 762 | 88 | 32 | 82 F. |
| Aug. 18, | All | 72 | 0 | 0 | 0 | Bay | 75 | 88 | 32 | 16 | 72 F. |
| Aug. 19, | B | 73 | 28 | 20 | 20 | Bay | 74 | 72 | 64 | 0 | 78 F. |
| Aug. 20, | D | 78 | 32 | 24 | 8 | Bay | 76 | 152 | 24 | 0 | 79 F. |
| Aug. 21, | D | 76 | 36 | 8 | 12 | | | | | | 79 F. |
| Aug. 22, | D | 78 | 16 | 12 | 12 | | | | | | 83 F. |
| Aug. 23, | D | 78 | 28 | 12 | 8 | Bay | 78 | 816 | 16 | 8 | 83 F. |
| Aug. 24, | B | 76 | 24 | 16 | 20 | Bay | 79 | 168 | 8 | 0 | 84 F. |
| Aug. 25, | E | 79 | 96 | 4 | 28 | | | | | | 84 F. |
| Aug. 26, | B | 79 | 72 | 28 | 32 | | | | | | 79 F. |
| Aug. 27, | B | 70 | 24 | 16 | 16 | E | 73 | T | T | T | Tow, 69 F. |
| Aug. 28, | D | 66 | 20 | 8 | 12 | | | | | | Rain, 69 F. |
| Aug. 29, | D | 70 | 24 | 16 | 16 | | | | | | Rain, 70 F. |
| Aug. 30, | D | 68 | 24 | 16 | 16 | CB | 73 | T | T | T | Rain, 72 F. |
| Aug. 31, | B | 71 | 48 | 4 | 4 | | | | | | 70 F. |
| Sept. 1, | B | 70 | 12 | 12 | 8 | | | | | | 67 F. |
| Sept. 2, | B | 69 | 16 | 0 | 4 | | | | | | 79 F. |
| Sept. 3, | | | | | | E | 72 | * | | | 74 F. |
| Sept. 7, | | | | | | | 76 | 5 | | | 80 F. |
| Sept. 8, | | | | | | Cove | 82 | Tow | * | 1 | |

Observation Data Secured at Barnegat, N. J.

Owing to the death of the observer at Scullville, at the beginning of his observations, this report cannot contain the record from Scullville. In lieu thereof, we give the data secured at Barnegat by P. C. Cameron, in the following tables, II to IV, inclusive.

The Spawning Data at Barnegat. Table II.

In the following table the abbreviations used are as follows: "A" is a station in the lagoon half-way to Cat Islands; "B" is a station east of Cat Islands; "C" is a station at the exit of the canal and lagoon into the bay. In the column headed "Oysters," "m" stands for "males" and "f" for females, the number of each being given. Under "Condition" is indicated the extent to which spawning has proceeded. "Spud" means spawned; "fert" means that the eggs developed embryos when joined with the male spawn; "J. N." means that the particular observation was made by the Biologist, and T. C. N. that it was made by the Assistant Biologist. The remaining ones were made by P. C. C., the regular observer. These same abbreviations are used in the succeeding tables.

TABLE II. OYSTER SPAWNING DATA, BARNEGAT, 1915.

| DATE. | PLACE. | OYSTER. | CONDITION. | MISCELLANEOUS. |
|---------|-------------|---------|-------------------------|----------------------------------|
| July 4 | Lagoon | 4 m. | Half spawned | No shell reached. |
| July 8 | Dock | 7 m. | Half spawned | No shell reached. |
| July 17 | Lagoon | 5 m. | Half spawned | No shell reached. |
| July 18 | Dock | 6 m. | Half, part spud | No shell reached. |
| July 20 | Cat Ids. | 3 p. | Nearly out | Poor dev't. |
| July 20 | Cox Cove | 2 m. | About out | 1 m. with fair sperms. |
| July 22 | Dock | 3 m. | 1 m. 1 f. fair | |
| July 23 | Dock, large | 3 m. | Spawned | |
| July 24 | B. large | 1 m. | Empty | |
| July 25 | B. | 2 p. | 1 f. fair | All m. poor. |
| July 26 | B. | 4 m. | Half are out | Others nearly empty. |
| July 28 | Cox Cove | 5 m. | All-out. exc. 1 m. 3 f. | Near out but fertile. |
| July 31 | Cat Ids. | 6 m. | With poor spawn | 1 m. fert. two f. but not third. |
| Aug. 2 | Lagoonette | 2 m. | Lean, empty | |
| Aug. 5 | B. | 3 f. | Half are out | Others near out but fertile. |
| Aug. 8 | Cat Ids. | 11 m. | Lean but fert. | Selected lot, best. |
| Aug. 11 | Cat Ids. | 4 m. | Nearly out | All poor, no dev't. |
| Aug. 13 | Dock | 3 m. | 2 m. 1 f. fair | Others empty. |
| Aug. 15 | Lagoonette | 8 m. | 2 m. 2 f. filled | All fert. No shell stage. |
| Aug. 18 | Lagoonette | 4 m. | 1 m. 1 f. fertile | Others empty. |
| Aug. 23 | Lagoonette | 3 m. | 1 m. 1 f. fertile | Others empty. |
| Aug. 24 | Lagoonette | 1 m. | All out but 1 m. | Females empty. |
| Aug. 25 | Lagoonette | 2 m. | M. few sperms | |
| Aug. 26 | Cat Ids. | 3 m. | 5 f. out, rest fert. | |
| Aug. 27 | Cat Ids. | 2 m. | All empty | |
| Aug. 30 | Cat Ids. | ? | All empty | |
| Aug. 31 | Cat Ids. | ? | 2 m. 1 f. fertile | |

The Oyster Fry at Barnegat. Table III.

Abbreviations in the following table, on Plankton Observations at Barnegat.

The height of tide is indicated by numbers representing inches—"h" is high water. The strength of wind "str." strong, or "lt." light, or "mod." moderate, follows the symbols for its direction. In the column headed "Place" the letters "Br" "d" "D" "A" "B" "C" represent stations at various points from the bridge, the dock, head, middle and lower parts of the lagoon ("Lag.") and the outlet to the Bay, respectively in the order named. "E" is well out in the Bay. The column headed "Water" gives the salinity and temperature, while the succeeding columns give the number of oyster fry, sorted with small "s," medium "m," and large "l" sizes. "C" is clam larvæ. In the last column "b" is bucketful.

The expression 15 at 75, in the column headed "Water," means that the salinometer reads 1015 and the thermometer 75 degrees Fahrenheit.

The water was usually dipped from the surface into the bucket, and the water was strained through a filter paper or was doped with formalin and the fry permitted to settle. They were then gathered in small lots under the microscope and counted. In the last column the amount of water used is stated. "Half b." means a half bucketful.

Notice that fry are not abundant until July 9th, when a few have reached "setting" size. After July 20th there are few fry present in the water until July 27th, when a good "set" is indicated as ready, and again on July 31st.

Except at the middle of August a few fry were regularly present, extending well into September, but were not abundant enough to make a show at setting.

TABLE III. OYSTER PLANKTON OBSERVATIONS AT BARNEGAT, 1915.

| TIME. | TIDE. | WIND. | PLACE. | WATER. | Fry. | S. | M. | L. | C. | MISCELLANEOUS. |
|---|-----------|-------------|--------|-------------|------|----|----|----|----|-----------------------------------|
| June 3, 3:00 P. M. | Storm. | N. E. str. | | | 0 | | | | | 58 deg. F., 3:00 P. M., rainy. |
| June 4, 3:00 P. M. | Storm. | E. str. | | | 0 | | | | | 54 deg. F., noon, no ebb, cloudy. |
| June 5, 3:00 P. M. | Storm. | E. str. | | 14 at 60, | 0 | | | | | 55 deg. F., P. M., heavy rain. |
| June 6, 3:00 P. M. | Abating. | E. str. | | 15 at 62, | 0 | | | | | 56 deg. F., P. M., heavy rain. |
| June 7, 3:00 P. M. | Lower. | E. str. | | 15 at 63, | 0 | | | | | 63 deg. F., P. M., light rain. |
| June 8, 3:00 P. M. | Normal. | Var. lt. | | 15 at 68, | 0 | | | | | 80 deg. F., cleared at noon. |
| June 9, 3:00 P. M. | Low. | S. W.-N. W. | | 13 at 72, | 0 | | | | | 80 deg. F., P. M., cold breeze. |
| Observer transferred to Tuckerton for a week. | | | | | | | | | | |
| June 19, 7:00 A. M. | Half ebb. | Light. | B. | 15 at 75, | 0 | | | | | d 10 at 73 deg. F. |
| 2:00 P. M. | Low. | S. W. str. | A. | 16 at 75, | 1 | | | | | |
| June 20, Noon. | Half ebb. | | C. | 16.5 at 80, | | | | | | Water warmed by standing 80 d. F. |
| 5:30 P. M. | H. 14.5, | | B. | 16 at 76, | 0 | | | | | 72 deg. F. at sunrise. |
| June 21, 4:00 A. M. | 12, | E. lt. | B. | 15.5 at 76, | 3 | 2 | 1 | | | 58 deg. F. at sunrise. |
| June 22, 3:30 P. M. | 16, | S. E. str. | B. | 16 at 68, | 0 | | | | | Cold morn.; many worm larvae. |
| June 23, 5:00 P. M. | 15.5, | N. W. str. | d. | 17 at 66, | 0 | | | | | Cold morn.; veligers, copepods. |
| June 24, 2:00 P. M. | Low. | W. lt. | d. | 13 at 72, | 1 | 1 | | | | Cold morn.; one-fifth bucket. |
| 5:00 P. M. | Half flo. | N. W. lt. | E. | 17.5 at 66, | 0 | | | | | Water clear. |
| 6:00 P. M. | | | B. | 16 at 70, | 0 | | | | | Water clear. |
| June 25, Noon. | | S. | B. | 15.5 at 72, | | | | | | Cold morn. |
| 2:00 P. M. | | | G. | 16 at 73, | 1 | 1 | | | | |
| 6:45 P. M. | | | Br. | 13.5 at 73, | | | | | | End of cold week. |
| June 26, Noon. | | | Lag. | 14 at 74, | 0 | | | | | |
| June 27, 8:30 P. M. | High. | S. E. lt. | B. | 17 at 72, | 3 | | | | | Rainy P. M. |
| 2:30 P. M. | Low. | | Lg. | 09 at 77, | 0 | | | | | N. W. squall in eve. |
| June 28, Noon. | Ebb. | | B. | 15 at 74, | 2 | 2 | | | | One-fifth bucket. |
| 7:00 P. M. | Low. | S. E. lt. | A. | 13.5 at 71, | 1 | 1 | | | | Much sediment. |
| June 29, Noon. | Half. | S. str. | B. | 15 at 76, | 0 | | | | | Cold last night. |
| 6:00 P. M. | Low. | S. str. | A. | 13 at 74, | 0 | | | | | Much roil. |
| 6:15 P. M. | Low. | S. str. | C. | 17 at 71, | 0 | | | | | Rough, very low. |
| June 30, 3:00 P. M. | Half. | S. E. str. | C. | 17.5 at 78, | 2 | 2 | | | | Rough; one-fifth b. |
| 3:15 P. M. | Half. | S. E. str. | B. | 16 at 75, | 0 | | | | | Much roil, cloudy. |
| 3:30 P. M. | Ebb. | S. E. str. | A. | 16 at 76, | 0 | | | | | S. E. storm in night. |
| July 1, 1:00 P. M. | 15.5, | W. to N. | C. | 17 at 78, | 0 | | | | | One-fifth b. |
| 1:30 P. M. | H. | N. | | 16.5 at 78, | | | | | | Hot day. |
| 2:00 P. M. | H. | N. | A. | 16 at 78, | | | | | | |
| 7:30 P. M. | Ebb. | | d. | 11 at 78, | | | | | | |
| 7:45 P. M. | Ebb. | | A. | 14.5 at 78, | 4 | 2 | 2 | | | |
| 8:00 P. M. | Ebb. | | B. | 16 at 78, | 5 | | | | | |
| July 2, 10:00 A. M. | | | d. | 15 at 76, | 14 | 11 | 3 | | | Two dips, T. C. N. |
| July 3, 9:30 P. M. | Low. | S. W. str. | d. | 15 at 74, | | | | | | |
| July 4, 8:00 A. M. | Low. | W. mod. | d. | 08 at ? | 5 | | | | | Tow. 10 m. A to B, T. C. N. |

BOARD OF SHELL FISHERIES.

J. N.
J. N.

TABLE III. OYSTER PLANKTON OBSERVATIONS AT BARNEGAT, 1915—Continued.

| TIME. | TIDE. | WIND. | PLACE. | WATER. | Fry. | S. | M. | L. | C. | MISCELLANEOUS. |
|----------------------|-----------|------------|--------|-------------|------|----|-----|----|----|-------------------------------------|
| July 4, 9:20 A. M. | Low. | W. mod. | A. | 15 at 80, | 1 | 1 | | | | Three dips, air 80 F. |
| 9:30 A. M. | Low. | W. mod. | B. | 14 at 80, | 1 | 1 | | | | Three dips, T. C. N. |
| 9:45 A. M. | Low. | W. mod. | C. | 15 at 79, | 19 | 16 | 3 | | | Three dips, S. E. str. in eve. |
| July 5, 6:30 A. M. | Low. | S. E. str. | d. | 05 at ? | | | | | | |
| 7:00 P. M. | | Calm. | C. | 17.5 at 68, | 45 | 23 | 20 | 2 | 4 | Half b. |
| 7:15 P. M. | | | B. | 15.5 at 71, | 13 | 8 | 4 | 1 | | Half b. |
| 7:30 P. M. | | | A. | 15 at 72, | 10 | 7 | 3 | | | Half b. |
| July 6, 7:00 P. M. | Flo. | W. mod. | C. | 17.5 at 76, | 39 | 19 | 13 | 7 | 5 | Ten dips, low at 11 A. M. |
| 7:15 P. M. | | | B. | 16 at 76, | 11 | 8 | 3 | | | Five dips, 70 deg. to 74 deg. at d. |
| 7:30 P. M. | | | A. | 15 at 76, | 4 | 4 | | | | Fourth b., low all day. |
| July 7, 6:00 P. M. | Flo. | S. mod. | C. | 17.5 at 74, | 16 | 10 | 4 | 2 | 2 | Five dips, a fourth b. |
| | | | B. | 15.5 at 74, | 4 | 4 | | | | Low tide all day, 2.5. |
| | | | A. | 15 at 74, | 3 | 3 | | | | |
| July 8, 2:30 P. M. | 0. | S. str. | C. | 17.5 at 71, | 24 | | | | | Whole b. |
| July 9, 7:00 A. M. | H. 8. | W. lt. | C. | 17 at 66, | 10 | | 5 | 5 | | Half b.; cold morn. |
| 7:15 A. M. | Neap. | N. W. | B. | 16 at 66, | 29 | | 16 | 13 | 3 | At d. 60 deg. F. at 6 A. M. |
| 1:30 P. M. | Ebb 3. | W. mod. | A. | 13.5 at 75, | 8 | 2 | 6 | 0 | | |
| 6:00 P. M. | | Light. | B. | | 40 | | 87 | 3 | | Net 30 dips. |
| 6:15 P. M. | | | C. | | 107 | 1 | 100 | 3 | 5 | 30 d. fry 1 m. in all. |
| 6:30 P. M. | | | A. | | 60 | | 58 | 2 | | 30 dips. |
| 7:20 P. M. | H. 8. | Calm. | D. | 13 at 76, | 38 | | 35 | 1 | 2 | Net, 17 dips, one b. |
| July 10, 6:00 A. M. | Flo. 4.5. | Calm. | D. | 11 at 68, | 22 | | 20 | 2 | 3 | Fry 1 m. in all. |
| 6:15 A. M. | Neap. | | B. | | 28 | | 20 | 8 | 2 | All b. |
| 6:30 A. M. | | | A. | 17 at 72, | 21 | | 18 | 3 | | Amit.? |
| 7:00 A. M. | H. 5. | Calm. | C. | 17 at 72, | 6 | | 6 | | 2 | |
| July 11, 6:00 A. M. | Low. | S. E. mod. | C. | 16 at 71, | 9 | | 9 | | 2 | Half b. all day. |
| 6:15 A. M. | | | B. | 17 at 73, | 6 | | 4 | | 2 | Sketches of fry. |
| 6:30 A. M. | | | A. | 16 at 74, | 5 | 4 | 1 | | | Show majority are approaching. |
| 7:30 P. M. | Low. | Rain. | C. | 17.5 at 76, | 11 | 6 | 3 | 2 | | |
| 7:45 P. M. | | | B. | 16 at 76, | 25 | 5 | 10 | 10 | | Spat sizes. |
| July 12, 10:30 A. M. | 10. | N. E. | C. | 17.5 at 76, | 10 | 7 | 7 | 3 | 2 | A fourth b. |
| 10:40 A. M. | | | B. | 17 at 76, | 6 | | 4 | 2 | 2 | At D. 15 at 70 deg. at 6 A. M. |
| 10:50 A. M. | | | A. | 16 at 74, | 8 | | 4 | 4 | | Little ebb all day. |
| July 13, 6:00 A. M. | 6 flo. | Calm. | d. | 16 at 72, | 10 | 6 | 4 | | | Heavy rain in night. |
| July 14, 6:00 A. M. | Half flo. | Calm. | d. | 12 at 74, | 13 | 13 | | | | 1 A fourth b. big fry gon. |
| Noon. | H. ebb. | | C. | 16.5 at 80, | 16 | 10 | 4 | 2 | 2 | Half b. rain in night. |
| July 13, Noon. | | | B. | 14.7 at 81, | 12 | 9 | 3 | 0 | 1 | A fourth b. |
| Noon. | | | A. | 14.5 at 81, | 9 | 8 | 1 | 0 | 0 | A fourth b. |
| July 15, 6:00 A. M. | Half flo. | Calm. | d. | 13 at 78, | 14 | 14 | | | | A fourth b. |
| 10:00 A. M. | High. | S. E. lt. | C. | 16 at 82, | 17 | 15 | 2 | | 2 | Half b. |
| 10:15 A. M. | | | B. | 15 at 82, | 10 | 9 | 1 | | | A fourth b. |

BOARD OF SHELL FISHERIES.

J. N.
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J. N.

TABLE III. OYSTER PLANKTON OBSERVATIONS AT BARNEGAT, 1915—Continued.

| TIME. | TIDE. | WIND. | PLACE. | WATER. | Fry. | S. | M. | L. | C. | MISCELLANEOUS. |
|---------------------|----------|------------|--------|------------|------|----|----|----|----|-------------------------------------|
| July 15, 6:00 P. M. | 7.5 | | d | 12 at 83 | 72 | 65 | 7 | | | A fourth b. |
| July 16, 6:00 A. M. | S. | S. E. str. | d | 12 at 76 | 7 | 7 | | | | Do. shower, morn. |
| 2:20 P. M. | | | C | 17 at 79 | 11 | 10 | | 1 | | J. N.; half b. |
| 2:30 P. M. | | | B | 15.5 at 79 | 85 | * | * | | | J. N.; all b. |
| 8:00 P. M. | | | C | 16 at 78 | 0 | | | | | J. N.; after shower 6 P. M. |
| 8:15 P. M. | | | A | 10 at 78 | 6 | 1 | 5 | | | J. N.; stood all night. |
| July 17, 6:00 A. M. | | W. str. | d | 12 at 77 | 9 | 1 | 7 | 1 | | J. N.; hot day. |
| 10:30 A. M. | 10 | | B | 15 at 82 | 46 | * | * | * | * | J. N.; half b. |
| Noon | | | C | 16 at 82 | 108 | * | * | * | * | J. N.; half b; air, 94 F. |
| 1:00 P. M. | 12 | | B | 14.5 at 83 | 24 | * | * | * | * | J. N.; all b. |
| 6:00 P. M. | | | d | 12 at 83 | 16 | 10 | 4 | 2 | 2 | P. C. C.; heavy rain P. M. |
| July 18, 6:00 P. M. | Half ebb | S. E. lt. | d | 09 at 76 | 13 | 9 | 2 | 2 | | A fourth b. |
| 4:00 P. M. | 10 ebb | | C | 15 at 80 | 12 | 2 | 2 | | | A fourth-b.; heavy rain last night. |
| 4:15 P. M. | | | B | 14 at 82 | 29 | 15 | 4 | 10 | | A fourth b.; lagoon 1007. |
| 6:00 P. M. | | Calm | d | 09 at 82 | 32 | 12 | 10 | 10 | | A fourth b.; water brown. |
| July 19, 6:00 A. M. | 6 | | D | 10 at 76 | 14 | 10 | 1 | 3 | 3 | Half b. |
| 6:00 P. M. | | | C | 14.5 at 81 | 16 | 6 | 4 | 6 | | A fourth b. |
| 6:15 P. M. | | | B | 13 at 81 | 12 | 2 | 3 | 7 | 1 | A fourth b. |
| July 20, 6:00 A. M. | Low | W. | D | 12 at 76 | 39 | 7 | 22 | 10 | 4 | A fourth b. |
| 4:00 P. M. | High | S. E. | C | 16 at 76 | 9 | 7 | 0 | 2 | 1 | A fourth b.; cloudy all day. |
| 4:30 P. M. | | % brz. | A | 16 at 76 | 15 | 8 | 2 | 5 | 2 | A fourth b. |
| June 21, 6:00 A. M. | 9 ebb | E. mod. | D | 10 at 72 | 5 | | 2 | 3 | | A fourth b.; cloudy. |
| 5:30 P. M. | High | E. str. | C | 17 at 76 | 0 | | | | | A fourth b.; much roil. |
| 5:45 P. M. | | | B | 16 at 77 | 7 | 3 | 3 | 1 | | A fourth b.; fucus floating. |
| 6:00 P. M. | | | D | 16 at 76 | 9 | 5 | 3 | 1 | | A fourth b. |
| July 22, 6:00 A. M. | 9 | E. | D | 13 at 74 | 5 | 1 | 2 | 2 | | A fourth b. |
| 5:00 P. M. | High | M. str. | C | 14 at 74 | 4 | 4 | | | | Half b.; much roil. |
| 5:30 P. M. | | | B | 14 at 76 | 0 | | | | | Half b.; much roil. |
| 6:00 P. M. | | S. E. | D | 14 at 76 | 1 | 0 | 0 | 1 | | A fourth b. |
| July 23, 6:00 A. M. | Low | Calm | D | 12 at 71 | 0 | | | | | A fourth b. |
| 4:00 P. M. | H. flo. | N. E. str. | C | 13 at 74 | 0 | | | | | A fourth b. |
| 4:15 P. M. | | | B | 13.5 at 74 | 0 | | | | | A fourth b. |
| 4:30 P. M. | | | A | 13.5 at 74 | 0 | | | | | A fourth b. |
| July 24, 6:00 A. M. | Low | E. str. | D | 14 at 70 | 1 | 1 | | | | A fourth b.; cloudy all day. |
| 7:00 P. M. | 15 flo. | E. str. | C | 12 at 72 | 0 | | | | | A fourth b. |
| 7:30 P. M. | | | D | 12.5 at 72 | 1 | 1 | | | | A fourth b. |
| 8:30 P. M. | 17 | | B | 12.5 at 72 | 0 | | | | | A fourth b. |
| July 25, 6:00 A. M. | 9 | N. E. | D | 11 at 70 | 2 | 2 | | | | A fourth b.; fine day. |
| 8:00 A. M. | 13 | | C | 13 at 73 | 1 | 1 | | | | A fourth b. |
| 8:30 A. M. | 14 | | B | 12 at 74 | 0 | | | | | A fourth b. |
| 9:00 A. M. | | | A | 12 at 75 | 0 | | | | | A fourth b. |
| 6:00 P. M. | | | D | 11 at 78 | 2 | 2 | | | | 1 A fourth b.; high at 11 P. M. |

TABLE III. OYSTER PLANKTON OBSERVATIONS AT BARNEGAT, 1915—Continued.

| TIME. | TIDE. | WIND. | PLACE. | WATER. | Fry. | S. | M. | L. | C. | MISCELLANEOUS. |
|----------------------|-----------|---------|--------|------------|------|-----|-----|----|----|-------------------------------------|
| July 26, 10:00 A. M. | 10 | | C | 12.5 at 78 | 1 | 1 | | | | A fourth b. |
| 10:30 A. M. | | | B | 12 at 77 | 0 | | | | | A fourth b. |
| 11:00 A. M. | | | A | 12 at 78 | 0 | | | | | A fourth b. |
| 6:00 P. M. | | | D | 12 at 78 | 2 | 2 | | | | A fourth b.; high at midnight. |
| July 27, 11:00 A. M. | 13 h. | | C | 13.5 at 78 | 79 | 40 | 39 | | | A fourth b. |
| 11:30 A. M. | | | B | 13 at 79 | 377 | 250 | 177 | | | A fourth b. |
| 6:00 P. M. | Low | | D | 10 at 77 | 37 | 30 | 7 | | | A fourth b. |
| July 28, 6:00 A. M. | | | D | 09 at 76 | 170 | | | | | A fourth b.; J. N. |
| 7:00 P. M. | Low | | C | 16.5 at 76 | 27 | 18 | 9 | | | A fourth b. |
| 7:15 P. M. | | | B | 13.5 at 76 | 3 | 3 | | | | A fourth b. |
| 7:30 P. M. | | | D | 10 at 74 | 0 | | | | | A fourth b. |
| July 29, 6:00 A. M. | | | D | 12 at 77 | 13 | 9 | 4 | | | A fourth b. |
| 11:00 A. M. | | | C | 16.5 at 81 | 44 | 30 | 10 | 4 | | B. is 14 at 81 deg. F. |
| July 30, 11:00 A. M. | | W. | C | 16.5 at 84 | 42 | 10 | 13 | 9 | 2 | A fourth b. |
| 11:30 A. M. | | | B | 14 at 84 | 30 | 10 | 8 | 12 | 2 | A fourth b.; 95 deg. F. at 1 P. M. |
| July 31, 1:00 P. M. | Ebb | | C | 16.5 at 82 | 269 | 100 | 80 | 89 | 20 | A fourth b.; 95 deg. F. at 1 P. M. |
| 1:30 P. M. | | | B | 14 at 86 | 96 | 30 | 20 | 37 | 10 | A fourth b. |
| Aug. 1, 6:00 A. M. | | Calm | C | 11.5 at 83 | 59 | 20 | 20 | 19 | 6 | A fourth b.; D. is 11 at 84 deg. F. |
| 6:30 A. M. | | | A | 14 at 83 | 34 | 15 | 7 | 12 | 3 | A fourth b. |
| Aug. 2, 6:00 A. M. | 12 ebb | S. | D | 10 at 82 | 52 | 30 | 10 | 12 | 11 | A fourth b.; hazy, warm day. |
| 5:00 P. M. | 10 | S. str. | C | 14 at 85 | 122 | 20 | 22 | 80 | 20 | A fourth b.; storm in eve. |
| 5:30 P. M. | | | B | 13 at 85 | 27 | 5 | 6 | 16 | 9 | A fourth b.; cyclone after. |
| 6:00 P. M. | 9 ebb | | D | 13 at 85 | 31 | 9 | 7 | 15 | 7 | A fourth b.; midnight. |
| 6:00 P. M. | | | Mixed | | 280 | | | | | 1 b. mostly large Fry. |
| Aug. 3, 6:00 A. M. | Storm | E. str. | D | 15 at 74 | 23 | 13 | 5 | 5 | 2 | A fourth b.; cyclone rain. |
| 5:00 P. M. | 29 | E. str. | C | 15 at 74 | 0 | | | | | All day and night. |
| 5:30 P. M. | 29 | E. str. | B | 15 at 74 | 0 | | | | | Water roily, no plankton. |
| Aug. 4, 6:00 A. M. | 13 l. | E. str. | D | 09 at 76 | 0 | | | | | Water brown, clearing 11 A. M. |
| 2:30 P. M. | 22 h. | S. W. | C | 14.5 at 80 | 22 | 3 | 9 | 10 | | A fourth b. |
| 3:00 P. M. | | S. W. | B | 14 at 81 | 0 | | | | | A fourth b. |
| 11:30 P. M. | 21 flo. | | C | 13 at 78 | 12 | 1 | 3 | 8 | | A fourth b.; roily. |
| Aug. 5, 6:00 A. M. | 12 l. | E. lt. | D | 7.5 at 70 | 2 | 0 | 0 | 2 | | A fourth b. |
| Noon | 26 h. | | C | 14 at 74 | 16 | 0 | 6 | 10 | | A fourth b. |
| 12:30 P. M. | | | B | 12 at 74 | 4 | 2 | 0 | 2 | | A fourth b. |
| 6:00 P. M. | 12 | Calm | D | 06 at 70 | 3 | 0 | 0 | 3 | | A fourth b.; tide 26 at 11 P. M. |
| Aug. 6, 6:00 A. M. | Half flo. | E. str. | D | 07 at 70 | 0 | | | | | Low at 10 A. M. 11. |
| 2:00 P. M. | | | C | 12.5 at 70 | 0 | | | | | Rough, roily. |
| 2:30 P. M. | | | B | 12 at 72 | 0 | | | | | Some rain. |
| 6:00 P. M. | | | D | 08 at 72 | 0 | | | | | Copepods absent also. |
| Aug. 7, 5:00 P. M. | High | | C | 09 at 74 | 23 | 8 | | | 2 | Water clear, clearing 2 P. M. |
| 7:15 P. M. | | | B | 08 at 76 | | | | | | Low, 1 P. M., 6. |
| 8:00 P. M. | | | D | 07 at 76 | | | | | | Water brown, roily. |

TABLE III. OYSTER PLANKTON OBSERVATIONS AT BARNEGAT, 1915—Continued.

| TIME. | TIDE. | WIND. | PLACE. | WATER. | Fry. | S. | M. | L. | C. | MISCELLANEOUS. |
|---------------------|-----------|------------|--------|-------------|------|----|----|----|----|---------------------------|
| Aug. 8, 8:00 A. M. | | | D. | 09 at 70. | 5 | 0 | 1 | 4 | | S. str. after 8 A. M. |
| 6:00 P. M. | 17. | S. W. | C. | 13 at 74. | 37 | 10 | 17 | 10 | 3 | A fourth b. |
| 6:30 P. M. | | | B. | 12 at 74. | 16 | 7 | 4 | 5 | | A fourth b. |
| Aug. 9, 6:00 A. M. | 7. | W. | D. | 09 at 70. | 9 | 0 | 5 | 4 | | A fourth b. |
| 5:00 P. M. | Ebb h. | | C. | 14.5 at 72. | 47 | 31 | 7 | 9 | 2 | A fourth b. |
| 5:30 P. M. | | S. W. | B. | 14 at 72. | 31 | 14 | 7 | 10 | 2 | Air, 84 deg., 90 deg. F. |
| 6:00 P. M. | | Calm. | D. | 09 at 74. | 22 | 4 | 9 | 9 | 1 | Tide h. 8:30 P. M. at |
| Aug. 10, 6:00 A. M. | | Calm. | D. | 10 at 69. | 26 | 12 | 12 | 2 | 2 | Tide at 9:30 P. M. 15. |
| Noon. | 10 ebb. | | C. | 14 at 72. | 33 | 10 | 12 | 11 | 2 | A fourth b. |
| 6:00 P. M. | | | B. | 12 at 78. | 26 | 8 | 10 | 8 | | A fourth b. |
| Aug. 11, 6:00 A. M. | Flo. | Calm. | D. | 10 at 76. | 27 | 5 | 12 | 10 | 3 | A fourth b. |
| 10:30 A. M. | Ebb. | S. E. | C. | 13.5 at 74. | 25 | 12 | 9 | 4 | 1 | A fourth b. |
| 10:45 A. M. | | | B. | 13 at 74. | 19 | 4 | 6 | 9 | | A fourth b. |
| 11:00 A. M. | | | D. | 10 at 75. | 29 | 15 | 3 | 11 | | A fourth b. |
| Aug. 12, 6:00 A. M. | | | D. | 09 at 69. | 15 | 5 | 3 | 7 | | A fourth b. |
| 1:00 P. M. | H. ebb. | S. E. str. | C. | 12 at 72. | 26 | 9 | 7 | 10 | | Cloudy. |
| 1:15 P. M. | | | B. | 13 at 72. | 38 | 13 | 10 | 13 | | Cleared at 11 A. M. |
| 1:30 P. M. | | | D. | 09 at 71. | 11 | 8 | 2 | 1 | | Many young copepods. |
| Aug. 13, 6:00 A. M. | | Calm. | D. | 09 at 68. | 27 | 14 | 5 | 5 | 3 | Rain 3 P. M. to midnight. |
| Noon. | H. 15. | S. | C. | 12 at 74. | 18 | 4 | 8 | 6 | | A fourth b. |
| Noon. | | | B. | 10 at 74. | 9 | 9 | 0 | 0 | 2 | A fourth b. |
| Aug. 14, 2:00 P. M. | | N. W. | D. | 09 at 76. | 7 | 2 | 0 | 5 | | A fourth b. |
| 6:00 A. M. | | | D. | 09 at 74. | 8 | 5 | 3 | | | Warm night, calm. |
| 2:00 P. M. | 14 ebb. | | C. | 12 at 72. | 14 | 4 | 4 | 6 | | A fourth b. |
| 2:15 P. M. | | | B. | 9.5 at 74. | 16 | 8 | 3 | 4 | | A fourth b. |
| 6:00 P. M. | | | D. | 10 at 76. | 10 | 5 | 4 | 1 | | A fourth b. |
| Aug. 15, 6:00 A. M. | | Calm. | D. | 10 at 74. | 10 | 4 | 4 | 2 | | Water very clear. |
| 2:00 P. M. | H. 14.5. | | C. | 11.5 at 78. | 11 | 5 | 3 | 3 | | Copepods few. |
| 6:30 P. M. | l. ebb. | W. | B. | 11 at 80. | 9 | 4 | 2 | 3 | | A fourth b. |
| 6:45 P. M. | | | D. | 10 at 80. | 6 | 3 | 0 | 3 | | A fourth b. |
| Aug. 16, 6:00 A. M. | | W. lt. | D. | 10 at 76. | 5 | 5 | | | | Warm day. |
| 3:30 P. M. | Half ebb. | | C. | 10 at 84. | 3 | 1 | 2 | | | Crabs destroying oysters. |
| 4:00 P. M. | | | B. | 10 at 85. | 4 | 1 | 2 | 1 | | Quiet day. |
| 6:00 P. M. | Low. | | D. | 10 at 85. | 2 | 1 | 1 | | | |
| Aug. 17, 6:00 A. M. | l. ebb. | W. lt. | D. | 10 at 64. | 3 | 3 | | | | 82 deg. F. at sunrise. |
| 4:00 P. M. | H. ebb. | W. | C. | 12.5 at 77. | 0 | | | | | Cloudy P. M. |
| 4:30 P. M. | | | B. | 12 at 76. | 0 | | | | | Low 2 at 9 A. M. |
| 6:00 P. M. | | | D. | 12 at 76. | 0 | | | | | High 10 at 3 P. M. |
| Aug. 18, 6:00 A. M. | Low. | W. | D. | 10 at 62. | 1 | 1 | | | | Clear cold night. |
| 6:00 P. M. | H. ebb. | | C. | 14 at 72. | 0 | | | | | Air 54 deg. at 5 A. M. |
| 6:15 P. M. | | | B. | 13 at 72. | 0 | | | | | Atr 78 deg. at 2 P. M. |

TABLE III. OYSTER PLANKTON OBSERVATIONS AT BARNEGAT, 1915—Continued.

| TIME. | TIDE. | WIND. | PLACE. | WATER. | Fry. | S. | M. | L. | C. | MISCELLANEOUS. |
|---------------------|----------|------------|--------|-------------|------|----|----|----|----|-----------------------------|
| Aug. 18, 6:30 P. M. | | | D. | 13 at 73. | 0 | | | | | Cool eve. |
| Aug. 19, 6:00 A. M. | Low. | E. lt. | D. | 09 at 60. | 0 | | | | | Cold night. |
| 6:30 P. M. | | | C. | 13.5 at 70. | 5 | 2 | 1 | 2 | | Tide below 0 in A. M. |
| 6:45 P. M. | | | B. | 12 at 73. | 17 | 7 | 5 | 5 | | |
| 7:00 P. M. | | | D. | 08 at 74. | 8 | 5 | 2 | 1 | | |
| Aug. 20, 6:00 A. M. | | Calm. | D. | 10 at 72. | 10 | 5 | 3 | 2 | | Warmer, hazy. |
| 6:00 P. M. | H. | S. W. lt. | C. | 11 at 72. | 6 | 3 | 0 | 3 | | |
| 6:15 P. M. | | | B. | 12 at 73. | 3 | 2 | 1 | | | |
| 6:30 P. M. | | | D. | 11 at 73. | 14 | 8 | 6 | 2 | | |
| Aug. 21, 6:00 A. M. | | S. lt. | D. | 10 at 72. | 12 | 7 | 3 | 2 | | S. E. str. all day, cloudy. |
| 6:15 P. M. | H. flo. | S. E. str. | C. | 13.5 at 74. | 8 | 4 | 4 | | | Storm squalls. |
| 6:30 P. M. | | | B. | 12 at 75. | 9 | 6 | 2 | 1 | | Through night, warm. |
| 8:30 P. M. | H. 12. | Gale. | D. | 09 at 76. | 14 | 9 | 2 | 3 | | |
| Aug. 22, 6:00 A. M. | | S. str. | D. | 10 at 74. | 9 | 5 | 4 | | | A fourth b. |
| 10:00 A. M. | H. flo. | S. str. | C. | 11.5 at 80. | 4 | 2 | 2 | | | A fourth b. |
| 10:15 A. M. | | | B. | 12 at 79. | 7 | 3 | 3 | 1 | | A fourth b. |
| 6:00 P. M. | | S. W. mod. | D. | 10 at 78. | 10 | 4 | 3 | 3 | | A fourth b. |
| Aug. 23, 6:00 A. M. | | S. lt. | D. | 09 at 73. | 6 | 3 | 3 | | | Cloudy all A. M. |
| 9:30 A. M. | H. | S. lt. | C. | 13 at 78. | 9 | 3 | 4 | | | S. str. all P. M. |
| 9:45 A. M. | 14.5. | | B. | 12.5 at 80. | 8 | 4 | 3 | 2 | | Calm night. |
| 6:00 P. M. | | Calm. | D. | 11 at 78. | 12 | 7 | 3 | 2 | | Mosquitoes swarming. |
| Aug. 24, 6:00 A. M. | | | D. | 10 at 74. | 11 | 6 | 2 | 3 | | S. str. all day. |
| 10:30 A. M. | H. | S. str. | C. | 13 at 80. | 5 | 3 | 2 | | | Rough, clear. |
| 10:45 A. M. | 14.5. | | B. | 13.5 at 80. | 9 | 3 | 2 | 4 | | Calm at sunset |
| 6:00 P. M. | | Calm. | D. | 09 at 76. | 15 | 6 | 4 | 5 | | S. W. str. at 11 P. M. |
| Aug. 25, 6:00 A. M. | | W. lt. | D. | 10 at 74. | 10 | 5 | 5 | | | Hard rain at 2 A. M. |
| Noon. | H. 14. | N. W. str. | C. | 13 at 79. | 18 | 14 | 0 | 4 | | |
| Noon. | | | B. | 14 at 79. | 32 | 24 | 1 | 7 | 2 | |
| 6:00 P. M. | | Calm. | D. | 09 at 79. | 28 | 20 | 5 | 3 | 2 | Mosquitoes. |
| Aug. 26, 6:00 A. M. | | W. lt. | D. | 12 at 73. | 25 | 10 | 8 | 7 | 2 | |
| 1:00 P. M. | | W. lt. | C. | 14 at 78. | 23 | 13 | 7 | 4 | 1 | |
| 1:15 P. M. | | W. lt. | B. | 13.5 at 79. | 33 | 18 | 7 | 8 | | |
| Aug. 27, 6:00 A. M. | | E. | D. | 14.5 at 68. | 9 | 3 | 4 | 2 | | Cloudy day. |
| 2:00 P. M. | H. 13.5. | E. str. | C. | 16 at 70. | 13 | 6 | 3 | 4 | | |
| 2:15 P. M. | | | B. | 15 at 70. | 14 | 6 | 4 | 4 | | |
| 6:00 P. M. | | | D. | 12 at 70. | 11 | 6 | 3 | 2 | 1 | |
| Aug. 28, 6:00 A. M. | Storm. | E. str. | D. | 12 at 66. | 10 | 5 | 2 | 3 | | Low 14. |
| 2:00 P. M. | | E. str. | C. | 13 at 66. | 8 | 5 | 2 | 1 | | Rain all day. |
| 2:30 P. M. | H. 22. | E. str. | B. | 14 at 66. | 5 | 3 | 0 | 2 | | Rain all night. |
| 6:00 P. M. | | E. str. | D. | 14.5 at 66. | 3 | 0 | 3 | 0 | | Rough. |
| Aug. 29, 6:00 A. M. | | E. str. | D. | 12 at 68. | 0 | | | | 1 | Rough. |

TABLE III. OYSTER PLANKTON OBSERVATIONS AT BARNEGAT, 1915—Continued.

| TIME. | TIDE. | WIND. | PLACE. | WATER. | Fry. | S. | M. | L. | C. | MISCELLANEOUS. |
|----------------------|----------|-------------|--------|-------------|------|----|----|----|----|------------------------|
| Aug. 29, 3:00 P. M., | H. 23.5, | W. lt., | C. | 13 at 69, | 0 | | | | | Clearing at noon. |
| 3:30 P. M., | | | B. | 12.5 at 69, | 0 | | | | | |
| 6:00 P. M., | | | D. | 13 at 70, | 14 | 6 | 4 | 4 | | |
| Aug. 30, 6:00 A. M., | 1.6, | Calm, | D. | 11 at 68, | 6 | 6 | | | | Hazy, rain all A. M. |
| Noon, | H. 22, | S. E. mod., | C. | 12 at 70, | 0 | | | | | |
| Aug. 31, 6:00 A. M., | 1.6, | Calm, | D. | 11.5 at 70, | 0 | | | | | Clearing at noon. |
| Noon, | | | B. | 14 at 65, | 5 | 5 | | | | |
| 1:30 P. M., | H. 20, | N. E., | C. | 14 at 71, | 11 | 10 | 1 | | | Water brown. |
| 1:40 P. M., | | | B. | 14 at 71, | 14 | 12 | 1 | 1 | | |
| 1:50 P. M., | | | A. | 15 at 72, | 4 | 3 | 1 | | | |
| Sept. 1, 6:00 A. M., | | N. E. str., | D. | 13 at 65, | 6 | 5 | 1 | | | High 19 at 4 P. M. |
| 4:00 P. M., | | | C. | 14.5 at 70, | 4 | 3 | 1 | | | |
| 4:15 P. M., | | | B. | 14 at 70, | 8 | 3 | 3 | 2 | | |
| Sept. 2, 6:00 A. M., | Storm, | N. E. str., | D. | 13 at 67, | 3 | 3 | | | | Cloudy. Water high. |
| Noon, | | | C. | 15 at 69, | 0 | 0 | | | | |
| Noon, | | | B. | 14.5 at 69, | 5 | 4 | 0 | 1 | | |

TABLE IV. OYSTER SPATTING DATE, BARNEGAT, 1915.

| TAKEN. | PLANTED. | PLACE. | INS. | OUT. | SIZES. | MISCELLANEOUS. |
|----------|-----------|--------|------|------|-------------------|------------------------------|
| July 3, | July 1, | A. C., | 0 | 0 | | J. N. |
| July 6, | July 3, | A. C., | 0 | 0 | | J. N. |
| July 10, | July 6, | A. C., | 0 | 0 | | J. N. |
| July 16, | July 9, | C., | 8 | 0 | 560 m., 400 m., | Left valve oyster shell. |
| July 16, | July 9, | B., | 1 | 1 | 320 m., 1 mm., | Right oyster shell. J. N. |
| July 16, | July 10, | C., | 0 | 8 | 480 m., 880 m., | Two lefts, av. 4 per sh. |
| July 16, | July 11, | C., | 5 | 0 | 440 m., 560 m., | One right valve. J. N. |
| July 16, | July 11, | C., | 0 | 31 | 400 m., 720 m., | Four lefts. J. N. |
| July 16, | July 12, | C., | 15 | 2 | 400 m., 720 m., | Two rights. J. N. |
| July 16, | July 12, | C., | 7 | 0 | 400 m., 560 m., | One left. J. N. |
| July 17, | July 10, | A. B., | 3 | 0 | 480 m., 800 m., | Two shells. J. N. |
| July 17, | July 11, | A. B., | 4 | 15 | 320 m., 1 mm., | Two rights. J. N. |
| July 19, | July 1, | B., | | | 3 spat on one, | 5 shells blank. PCC. |
| July 21, | July 2-4, | C., | | | 3 spat per shell, | 6 shells placed. |
| July 25, | July 4, | B., | | | 9 per shell, | 6 shells placed. |
| July 27, | June 25, | R., | 7 | 5 | 1 mm., 1.4 mm., | Left, from Ridgway bed |
| July 27, | June 25, | R., | 21 | 43 | 6 m., 2.4 mm., | Right, from Ridgway bed. |
| July 30, | June 4, | B., | | | Recent to 10 ds., | 6 shells, av. 17 per sh. |
| Aug. 1, | June 5, | A., | | | Recent to? | 3 shells, av. 14 per sh. |
| Aug. 3, | | | | | | Great storm. |
| Aug. 8, | June 12, | C., | 0 | 0 | | Ground by sand. |
| Aug. 10, | June 9, | A., | | | Recent spat, | Six shells, av. 18 per sh. |
| Aug. 13, | June 9, | B., | | | Recent spat, | Six shells, av. 27 per sh. |
| Aug. 18, | June 4-7, | B. | | | Recent to 10 ds., | Twelve, average, 37 per sh. |
| Aug. 20, | June 4, | C., | | | Recent to 10 ds., | Six shells, av. 3 per shell. |

A much fuller report of these investigations will be found in the annual report of the New Jersey Agricultural Experiment Stations for 1915 for the Biological Department.

It will be seen from this table that the main spitting occurred about the middle of July, but some occurred at the close of July and the opening of August, and some at the close of the first week in August, with a few scattering through the month. These findings agree well with the data of Table III.

Respectfully submitted,
 JULIUS NELSON, *Biologist*,
 New Jersey Agricultural Experiment Station.

Spatting Data at Barnegat. Table IV.

In the first column we give the date when the cultch or oyster shells were removed from the water for examination. In the second is the date when the shells were placed in the water; the difference between the two being the length of time of exposure to spat collection. But the spat may not have set right off, and their age has to be calculated by comparison of size with the number set on the different successive samples of cultch.

The column headed "Place" indicates the stations where the shells were exposed. That headed "ins." gives the number of spat counted on the smooth side of the shell; the other, "out," those on the outside. The sizes of the spat follow, and "m" stands for *microns*, of which 25,000 make one inch, and 1,000 make a millimeter "mm," or a twenty-fifth of an inch; "ds" is days since the first setting of the particular spat. The words "left" and "right" refer to the deep and flat valves of an oyster shell, respectively. Spatting occurred here at July 14th, 19th to 31st, August 5-9. Probably also later in August, but the cultch was disturbed by storms and the date marks obliterated.

Work of the State Department of Health with Relation to the Shellfish Industry.

The oyster is popularly supposed to be responsible for a great deal of typhoid fever. Some outbreaks of this disease have been actually traced to the eating of infected shellfish, and many more cases which could not be traced have been blamed on the oyster. It is altogether probable that the dangerousness of the oyster has been very greatly exaggerated, but there is no doubt that oysters grown or laid out in polluted water may sometimes act as carriers of the typhoid bacillus. As long ago as 1903 the Department began to investigate the shellfish industry, but could do but little for some years after because of lack of funds. In 1910 an act was passed making it the duty of the State Department of Health to investigate all the oyster and clam beds in the State, to issue certificates showing the result of these examinations to the oystermen, and to condemn those beds which were polluted and prohibit the sale of oysters therefrom. This law proved to be impracticable, and was changed in 1911, and again in 1912, and is now a satisfactory piece of legislation, giving the Department power to control the growing, handling and sale of shellfish and providing funds for its enforcement. In 1912 an oyster inspection boat, equipped with a laboratory for making chemical and bacteriological examinations of water and oysters, and of sufficient size for a person to live aboard comfortably during the oyster season, was acquired. With the aid of this boat hundreds of samples of water and oysters are examined bacteriologically each year, and sanitary surveys are made of all of the important shellfish grounds of the State.

In planning its shellfish work the question which the Department has had foremost in mind has been: Are the shellfish taken from the waters over which the Department has control liable to cause disease? They believe that a most important method for safeguarding shellfish is a careful supervision of all cases of typhoid fever occurring on the watershed. Much time is therefore devoted to sanitary surveys of the watersheds in which oysters are grown and placed.

Statement by Dr. Weller.

Dr. Weller, of the Federal Department of Public Health, who has the oyster investigation in charge, has made the following statements that they have come to the conclusion that the floating of oysters is an absolute necessity, for the reasons that, if conducted properly in waters that are free from pollution, the oyster will carry a great deal better in transit, and also that if the oyster originally came from a polluted bed, after being floated in pure water will so clear itself of pollution as to be fit for human consumption, that it also removes the source of temptation from the small retail dealers of opening and soaking the oysters under unsanitary conditions, and finally they have come to the conclusion that the best method to be followed is to be sure that all oysters are floated in water which is not polluted.

OYSTER BED LEASES—DEPARTMENT ATLANTIC COAST (DIVISION ATLANTIC COUNTY).

| LESSEE. PLANTING GROUND. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|------------------------------|---------------|-----|----------|------------------|---------------|-------|
| Allen, Joseph B., Jr. | Ocean City | 90 | 7.44 | \$7 50 | Sept. 1, 1915 | 1 yr. |
| Albertson, John O. | Pleasantville | 21 | 1.33 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Allen, Samuel B. | New Gretna | 227 | 1.75 | 1 75 | Sept. 1, 1915 | 1 yr. |
| Adams, Ellis J. | Pleasantville | 318 | 3 | 3 00 | Sept. 1, 1915 | 1 yr. |
| Bowen, J. Clark | Leeds Point | 152 | 5.92 | 6 00 | May 1, 1915 | 1 yr. |
| Bowen, Samuel G. | Pleasantville | 23 | 8.63 | 8 75 | Sept. 1, 1915 | 1 yr. |
| Bowen, Somers L. | Pleasantville | 24 | 8.00 | 8 75 | Sept. 1, 1915 | 1 yr. |
| Boice, Harlan | Absecon | 169 | 6 | 6 00 | Sept. 1, 1915 | 1 yr. |
| Bowen, Samuel G. | Pleasantville | 9 | 1.08 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Bowen, Bartine | Leeds Point | 126 | 3.89 | 4 00 | Jan. 1, 1915 | 1 yr. |
| Babcock, R. L. | Absecon | 150 | 10 | 10 00 | June 1, 1915 | 1 yr. |
| Bogan, Richard | Atlantic City | 116 | 2.75 | 2 75 | Sept. 1, 1915 | 1 yr. |
| Bowen, Elwood, & Ellis Adams | Pleasantville | 308 | 4.41 | 4 50 | Sept. 1, 1915 | 1 yr. |
| Bowen, Elwood | Pleasantville | 319 | 3.75 | 3 75 | Sept. 1, 1915 | 1 yr. |
| Bowen, Clark | Leeds Point | 309 | 1.35 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Boice, Harlan | Absecon | 79 | 4.25 | 4 25 | June 30, 1915 | 1 yr. |
| Conover, Willis R. | Oceanville | 153 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Collins, John H. | Pleasantville | 29 | 10 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Cramer, Arnold & Caleb | New Gretna | 189 | .53 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Chew, Benj. W. | New Gretna | 196 | 2.88 | 3 00 | Sept. 1, 1915 | 1 yr. |
| Collins, Isaac | Pleasantville | 28 | 10 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Conover, Enoch | Oceanville | 162 | 1.13 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Conover, Roland | Oceanville | 128 | 1.50 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Cramer, Albert F. | Atlantic City | 129 | 1.03 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Cramer, Albert F. | Atlantic City | 190 | 1.91 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Conover, Joel A. | Atlantic City | 91 | 10 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Conover, Alfred | Atlantic City | 92 | 10 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Conover, William | Atlantic City | 93 | 1.73 | 1 75 | Sept. 1, 1915 | 1 yr. |
| Conover, Zeph S. | Atlantic City | 19 | 7 | 7 00 | Sept. 1, 1915 | 1 yr. |
| Conover, Harry | Atlantic City | 22 | 3 | 3 00 | June 1, 1915 | 1 yr. |
| Conover, Harry B. | Absecon | 11 | 1.95 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Chew, Benj. W. | New Gretna | 25 | 2.08 | 2 25 | Sept. 1, 1915 | 1 yr. |
| Conover, Emily F. | Absecon | 42 | 10 | 10 00 | June 1, 1915 | 1 yr. |
| Collins, Hugh | Pleasantville | 47 | 7.07 | 7 25 | Sept. 1, 1915 | 1 yr. |
| Conover, John F. | Atlantic City | 96 | 8.25 | 8 25 | Sept. 1, 1915 | 1 yr. |
| Collins, Burris | Pleasantville | 80 | 1.78 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Cramer, Arnold | New Gretna | 136 | 1.45 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Conover, William | Atlantic City | 119 | 8 | 8 00 | Sept. 1, 1915 | 1 yr. |
| Conover, Arthur | Absecon | 127 | 1.80 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Conover, George B. | Absecon | 106 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Conover, Harry B. | Absecon | 138 | 1.44 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Conover, Frank B. | Absecon | 167 | 3.78 | 3 76 | May 1, 1915 | 1 yr. |
| Cramer, Earl | New Gretna | 14 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Cramer, Arnold | New Gretna | 123 | 4.93 | 5 00 | Sept. 1, 1915 | 1 yr. |
| Conover, Arthur W. | Absecon | 317 | 5 | 5 00 | Sept. 1, 1915 | 1 yr. |
| Cramer, I. L. | Atlantic City | 302 | 4.50 | 4 50 | Sept. 1, 1915 | 1 yr. |
| Conover, George B. | Absecon | 310 | 7 | 7 00 | Sept. 1, 1915 | 1 yr. |
| Camp, Thomas | Linwood | 38 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Doughty, B. F. | Atlantic City | 176 | .47 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Dennis, Henry B. | Seulville | 35 | 2.57 | 2 75 | Sept. 1, 1915 | 1 yr. |
| Dennis, Charles B. | Seulville | 33 | .94 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Doughty, Edward O. | Oceanville | 182 | .80 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Dennis, B. F. | Seulville | 32 | 6.25 | 6 25 | Sept. 1, 1915 | 1 yr. |
| Darby, John A. | New Gretna | 188 | 2.09 | 2 25 | Sept. 1, 1915 | 1 yr. |
| Doughty, Bertha I. | Absecon | 51 | 10 | 10 00 | June 1, 1915 | 1 yr. |
| Doughty, Fraley | Absecon | 133 | 2.38 | 2 50 | Sept. 1, 1915 | 1 yr. |
| Doughty, F. F. | Absecon | 311 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Downs, William F. | New Gretna | 327 | 2.77 | 3 00 | Jan. 1, 1915 | 1 yr. |
| Fish, Alexander | Pleasantville | 36 | 6.80 | 7 00 | Sept. 1, 1915 | 1 yr. |

OYSTER BED LEASES—DEPARTMENT ATLANTIC COAST (DIVISION ATLANTIC COUNTY)—Continued.

| LESSEE. PLANTING GROUND. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|-----------------------------|---------------|-----|----------|------------------|---------------|-------|
| Fish, Alexander | Pleasantville | 2 | 2.50 | \$2 50 | Sept. 1, 1915 | 1 yr. |
| Garrison, Dennis | Seulville | 188 | 3.11 | 3 25 | June 1, 1915 | 1 yr. |
| Gaskill, Thos. & Son | New Gretna | 187 | 1.35 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Giberson, Thomas | Leeds Point | 219 | 2.37 | 2 50 | Sept. 1, 1915 | 1 yr. |
| Giberson & Smith | Leeds Point | 213 | 4.74 | 4 75 | Sept. 1, 1915 | 1 yr. |
| Giberson, Samuel | Absecon | 115 | 5.17 | 5 25 | Sept. 1, 1915 | 1 yr. |
| Giberson, Samuel | Absecon | 71 | 4.50 | 4 50 | Sept. 1, 1915 | 1 yr. |
| Giberson, E. W. | Absecon | 305 | 3 | 3 00 | Sept. 1, 1915 | 1 yr. |
| Giberson, Richard | Absecon | 315 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Giberson, Richard | Absecon | 67 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Giberson, Enoch | Absecon | 76 | 4.50 | 4 50 | June 30, 1915 | 1 yr. |
| Giberson, Mary | Absecon | 84 | 9.75 | 9 75 | June 30, 1915 | 1 yr. |
| Griffith, Lewis | Absecon | 313 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Higbee, Job M. | Leeds Point | 130 | 2.17 | 2 25 | Sept. 1, 1915 | 1 yr. |
| Higbee, John G. | Leeds Point | 132 | 10 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Higbee, Allen C. | Leeds Point | 131 | 1.61 | 1 75 | Sept. 1, 1915 | 1 yr. |
| Hammell, Charles F. | Absecon | 117 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Hewitt, Nelson | Port Republic | 243 | 1.61 | 1 75 | Sept. 1, 1915 | 1 yr. |
| Holdzkorn, Samuel E. | Longport | 177 | 1.37 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Holdzkorn, Edward | Brigantine | 98 | 6.69 | 6 75 | Sept. 1, 1915 | 1 yr. |
| Holdzkorn, William | Brigantine | 124 | 1.48 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Horton, Charles M. | Pleasantville | 44 | 7.12 | 7 25 | Sept. 1, 1915 | 1 yr. |
| Horton, Willis | Pleasantville | 48 | 1.16 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Hammell, Elnora M. | Absecon | 199 | .78 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Hammell, Charles P. | Absecon | 198 | 9.84 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Hammell, William A. | Absecon | 178 | 5.94 | 6 00 | Sept. 1, 1915 | 1 yr. |
| Higbee, Somers L. | Leeds Point | 261 | 1.15 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Hacket, Frank | Linwood | 326 | 3 | 3 00 | Jan. 1, 1915 | 1 yr. |
| Hilton, John M. | Pleasantville | 41 | 9.88 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Hilton, Hannah | Pleasantville | 228 | 1.81 | 2 00 | June 1, 1915 | 1 yr. |
| Hackney, Stephen | Margate City | 60 | 1.50 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Horton, Howard | Pleasantville | 65 | 2.34 | 2 50 | Sept. 1, 1915 | 1 yr. |
| Horton, Charles | Pleasantville | 68 | 1.60 | 1 75 | Sept. 1, 1915 | 1 yr. |
| Horton, Peter | Pleasantville | 72 | 6.44 | 6 50 | Sept. 1, 1915 | 1 yr. |
| Hammell, Elnora M. | Absecon | 246 | 4.05 | 4 25 | Jan. 1, 1915 | 1 yr. |
| Higbee, Somers T. | Leeds Point | 74 | 3.44 | 3 50 | June 1, 1915 | 1 yr. |
| Haines, Winfield S. | Linwood | 17 | 5.57 | 5 75 | Sept. 1, 1915 | 1 yr. |
| Hewitt, Norris | Pleasantville | 161 | 4.43 | 4 50 | Jan. 1, 1915 | 1 yr. |
| Hammell, Elnora M. | Absecon | 163 | 1 | 1 00 | April 1, 1915 | 1 yr. |
| Hewitt, Norris | Pleasantville | 191 | 2.64 | 2 75 | April 1, 1915 | 1 yr. |
| Hilton, Hannah | Pleasantville | 188 | 2.09 | 2 25 | Sept. 1, 1915 | 1 yr. |
| Higbee, James W. | Leeds Point | 163 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Horton, Howard | Pleasantville | 39 | 5 | 5 00 | Sept. 1, 1915 | 1 yr. |
| Horton, Willis | Pleasantville | 300 | 4.25 | 4 25 | Sept. 1, 1915 | 1 yr. |
| Higbee, James W. | Leeds Point | 155 | 5 | 5 00 | Sept. 1, 1915 | 1 yr. |
| Hewitt, Jesse | Port Republic | 307 | 1.50 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Hammell, William | Absecon | 50 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Jacobson, Charles | Oceanville | 139 | 1.10 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Johnson, Monroe | Port Republic | 316 | 1.50 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Leeds, Edward | Oceanville | 172 | 3.39 | 3 50 | Sept. 1, 1915 | 1 yr. |
| Leeds, Charles A. | Leeds Point | 141 | 3.13 | 3 25 | Sept. 1, 1915 | 1 yr. |
| Lake, Henry | Pleasantville | 52 | 2.85 | 3 00 | Sept. 1, 1915 | 1 yr. |
| Leeds & Blackman | Oceanville | 197 | 3.51 | 3 75 | Sept. 1, 1915 | 1 yr. |
| Loveland, Benj. | New Gretna | 142 | 3.75 | 3 75 | Jan. 1, 1915 | 1 yr. |
| Lake, Henry | Pleasantville | 54 | 1.25 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Leeds, Caleb | Leeds Point | 164 | 4 | 4 00 | Sept. 1, 1915 | 1 yr. |
| Leeds, Ira | Leeds Point | 314 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Leeds, Risley | Leeds Point | 301 | .93 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Leeds, Wilber | Oceanville | 140 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Leeds, Charles | Leeds Point | 303 | .57 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Lashley, Peter | Seulville | 26 | 4 | 4 00 | Sept. 1, 1915 | 1 yr. |
| Lind, William | Brigantine | 97 | 1.50 | 1 50 | Jan. 1, 1915 | 1 yr. |
| Mathews, D. L. | Oceanville | 171 | 5.07 | 5 25 | Sept. 1, 1915 | 1 yr. |
| Mathes, Alvin | New Gretna | 144 | 1.57 | 1 75 | Sept. 1, 1915 | 1 yr. |
| Mathis, Edward | New Gretna | 145 | 2.24 | 2 25 | Sept. 1, 1915 | 1 yr. |

OYSTER BED LEASES—DEPARTMENT ATLANTIC COAST (DIVISION ATLANTIC COUNTY)—Continued.

| LESSEE. PLANTING GROUND. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|--------------------------------|----------------------|-----|----------|------------------|---------------|-------|
| Mathis, Pitman, | Ocean City, | 146 | 1.03 | \$1 25 | Sept. 1, 1915 | 1 yr. |
| Mitchell, William H., | Pleasantville, | 55 | 4.42 | 4 50 | Sept. 1, 1915 | 1 yr. |
| Mathis, John F., | Pleasantville, | 83 | .25 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Mathis, Arnold, | Absecon, | 53 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| McKeague, Seymour, | Scullville, | 12 | 1.44 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Nickles, Leon, | Scullville, | 24 | 4 | 4 00 | Sept. 1, 1915 | 1 yr. |
| Powers, Elwood M., | Linwood, | 15 | 1.88 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Powers, E. M., | Linwood, | 16 | 3 | 3 00 | Sept. 1, 1915 | 1 yr. |
| Price, Job C., | Atlantic City, | 99 | 1.73 | 1 75 | Sept. 1, 1915 | 1 yr. |
| Robbins, L. D., | New Greta, | 148 | 1.06 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Robinson, David S., | Scullville, | 13 | 2 | 2 00 | June 1, 1915 | 1 yr. |
| Reed, Bodine C., | Oceanville, | 111 | 2.63 | 2 75 | Sept. 1, 1915 | 1 yr. |
| Risley, Frank & Harry, | Pleasantville, | 71 | 6.61 | 6 75 | Sept. 1, 1915 | 1 yr. |
| Reed, Willis W., | Oceanville, | 107 | 1.59 | 1 75 | Sept. 1, 1915 | 1 yr. |
| Robbins, Charles, | New Greta, | 125 | .43 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Risley, Herman & Curtis, | Pleasantville, | 63 | 6.11 | 6 25 | Sept. 1, 1915 | 1 yr. |
| Risley, Richard I., | Pleasantville, | 66 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Risley, Frank & Harry, | Pleasantville, | 68 | 1.90 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Risley, Frank & Harry, | Pleasantville, | 73 | 2.86 | 3 00 | Sept. 1, 1915 | 1 yr. |
| Smith, Theodore, | Scullville, | 1 | 8.18 | 8 25 | Sept. 1, 1915 | 1 yr. |
| Somers, Ezekiel, | Oceanville, | 108 | 4.29 | 4 50 | Sept. 1, 1915 | 1 yr. |
| Smith, Aaron R., | Scullville, | 6 | 6.38 | 6 50 | Sept. 1, 1915 | 1 yr. |
| Smith, Abel W., | Scullville, | 5 | 8.94 | 9 00 | Sept. 1, 1915 | 1 yr. |
| Somers, Jackson, | Scullville, | 7 | 2.50 | 2 50 | Sept. 1, 1915 | 1 yr. |
| Somers, William J., | Oceanville, | 185 | 3.98 | 4 00 | Sept. 1, 1915 | 1 yr. |
| Scull, John B., | Linwood, | 200 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Scull, Alfred S., | Linwood, | 89 | 1.07 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Scull, Thomas B., | Leeds Point, | 158 | 3.48 | 3 50 | Sept. 1, 1915 | 1 yr. |
| Somers, Bodine, | Oceanville, | 244 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Somers, Harry C., | Oceanville, | 109 | 1.95 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Smith, David T., | Scullville, | 4 | 6.12 | 6 25 | Sept. 1, 1915 | 1 yr. |
| Somers, Richard J., | Linwood, | 18 | 9.86 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Smith, J. Frank, | Brigantine, | 186 | 1.18 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Somers, Leon, | Somers Point, | 193 | 8.71 | 8 75 | Sept. 1, 1915 | 1 yr. |
| Scull, Elijah, | Scullville, | 10 | 6.43 | 6 50 | Sept. 1, 1915 | 1 yr. |
| Smith, Edwin, | Oceanville, | 184 | .57 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Somers, Boice, | Scullville, | 8 | 3.75 | 3 75 | Sept. 1, 1915 | 1 yr. |
| Sooy, John M., | Leeds Point, | 262 | 1.42 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Smith, Japhet S., | Scullville, | 239 | 3.18 | 3 25 | Sept. 1, 1915 | 1 yr. |
| Scull, M. V. B., | Somers Point, | 151 | 3 | 3 00 | Sept. 1, 1915 | 1 yr. |
| Scott, Robert, | Leeds Point, | 159 | 10. | 10 00 | Jan. 1, 1915 | 1 yr. |
| Somers, Emily S., | Linwood, | 86 | 4 | 4 00 | Sept. 1, 1915 | 1 yr. |
| Somers, C. Bodine, | Oceanville, | 87 | .97 | 1 00 | June 1, 1915 | 1 yr. |
| Sooy & Robbins, | New Greta, | 93 | 2.12 | 2 25 | Sept. 1, 1915 | 1 yr. |
| Somers, Emily S., | Linwood, | 157 | 2.44 | 2 50 | June 1, 1915 | 1 yr. |
| Sooy, E. M., | Leeds Point, | 147 | 2 | 2 00 | Sept. 1, 1915 | 1 yr. |
| Scull, Thomas, | Leeds Point, | 143 | 1.43 | 1 50 | Sept. 1, 1915 | 1 yr. |
| Smith, Joseph S., | Oceanville, | 61 | 1 | 1 00 | Jan. 1, 1915 | 1 yr. |
| Thomas, Jesse, | Scullville, | 325 | 2.12 | 2 25 | Jan. 1, 1915 | 1 yr. |
| Thomas, Jesse, | Scullville, | 352 | 4.12 | 4 25 | May 1, 1915 | 1 yr. |
| Weber, S. A., | Atlantic City, | 101 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| Weber, Edward, | Atlantic City, | 95 | 5.21 | 5 25 | Jan. 1, 1915 | 1 yr. |
| Willetts, Fred W., | Atlantic City, | 351 | 2.22 | 2 25 | May 1, 1915 | 1 yr. |
| Yates, Jesse, | Atlantic City, | 245 | 1.14 | 1 25 | Sept. 1, 1915 | 1 yr. |
| Willetts, Fred W., | Atlantic City, | 70 | 1 | 1 00 | Sept. 1, 1915 | 1 yr. |
| York, William, | Pleasantville, | 104 | 4.23 | 4 25 | Sept. 1, 1915 | 1 yr. |
| Total, | | | | \$649 75 | | |

OYSTER BED LEASES—DEPARTMENT ATLANTIC COAST (DIVISION ATLANTIC COUNTY)—Continued.

| LESSEE. PROPAGATING GROUND. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|--------------------------------|----------------------|-----|----------|------------------|---------------|-------|
| Adams, James H., | Pleasantville, | 75 | 5 | \$10 00 | Sept. 1, 1915 | 1 yr. |
| Babcock, R. L., | Absecon, | 106 | 5 | 10 00 | Jan. 1, 1915 | 1 yr. |
| Babcock, William, | Scullville, | 24 | 3 | 6 00 | Mar. 1, 1915 | 1 yr. |
| Barrett, L. H., | Pleasantville, | 66 | 2 | 4 00 | Sept. 1, 1915 | 1 yr. |
| Bensel, Frank J., | Atlantic City, | 28 | 4.30 | 9 00 | Sept. 1, 1915 | 1 yr. |
| Blackman, Samuel, | Scullville, | 107 | 2 | 4 00 | Jan. 1, 1915 | 1 yr. |
| Delany, Robert E., | Atlantic City, | 22 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Dennis, B. F., | Scullville, | 8 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Dennis, Charles B., | Scullville, | 7 | 4 | 8 00 | Mar. 1, 1915 | 1 yr. |
| Dennis, George B., | Scullville, | 45 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Dennis, Henry B., | Scullville, | 9 | 4.45 | 9 00 | Mar. 1, 1915 | 1 yr. |
| Dennis, William B., | Scullville, | 5 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Doughty, F. F., | Absecon, | 37 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Garrison, Dennis, | Scullville, | 102 | 1.03 | 4 00 | Mar. 1, 1915 | 1 yr. |
| Hamilton, Thomas J., | Absecon, | 78 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Hickman, Smith, | Scullville, | 100 | 2 | 4 00 | Sept. 1, 1915 | 1 yr. |
| Ingersoll, John W., | Atlantic City, | 30 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Ireland, Samuel, | Pleasantville, | 79 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Jeffers, A. B., | Scullville, | 27 | 4.50 | 9 00 | Mar. 1, 1915 | 1 yr. |
| Jeffers, Benj., | Scullville, | 11 | 4 | 8 00 | Mar. 1, 1915 | 1 yr. |
| Jeffers, George B., | Scullville, | 6 | 4.50 | 9 00 | Mar. 1, 1915 | 1 yr. |
| Kuehne, Louis, | Atlantic City, | 21 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Lashley, Clarence, | Scullville, | 16 | 2 | 4 00 | Mar. 1, 1915 | 1 yr. |
| Lee, George B., | Pleasantville, | 76 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Mapel, Newton J., | Atlantic City, | 39 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Murkland, Henry J., | Atlantic City, | 56 | 3.19 | 7 00 | Mar. 1, 1915 | 1 yr. |
| McKeague, Hannah, | Scullville, | 48 | 4.70 | 10 00 | Mar. 1, 1915 | 1 yr. |
| McKeague, H. Seymour, | Scullville, | 82 | 1.75 | 4 00 | Mar. 1, 1915 | 1 yr. |
| Nelson, Alex. H., | Atlantic City, | 36 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Robinson, D. S., | Scullville, | 29 | 2 | 4 00 | Mar. 1, 1915 | 1 yr. |
| Steelman, S. S., Jr., | Scullville, | 50 | 4.30 | 9 00 | Mar. 1, 1915 | 1 yr. |
| Smith, Susan B., | Scullville, | 88 | 3.50 | 7 00 | Mar. 1, 1915 | 1 yr. |
| Smith, Mary L., | Atlantic City, | 68 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Sampson, H. L., | Steelmanville, | 101 | 1 | 2 00 | Mar. 1, 1915 | 1 yr. |
| Smith, Japhet S., | Scullville, | 105 | 1 | 2 00 | Jan. 1, 1915 | 1 yr. |
| Steelman, Elmer, | Scullville, | 103 | 1 | 2 00 | Jan. 1, 1915 | 1 yr. |
| Steelman, Israel J., | Scullville, | 2 | 2 | 4 00 | Sept. 1, 1915 | 1 yr. |
| Scull, Elijah, | Scullville, | 47 | 3 | 6 00 | Sept. 1, 1915 | 1 yr. |
| Shimp, Mark, | Pleasantville, | 69 | 4.76 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Shimp, Ida, | Pleasantville, | 70 | 5 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Smith, Aaron R., | Scullville, | 23 | 3.55 | 8 00 | Sept. 1, 1915 | 1 yr. |
| Smith, Abel W., | Scullville, | 3 | 4.30 | 9 00 | Sept. 1, 1915 | 1 yr. |
| Smith, Enoch, | Scullville, | 51 | 4.80 | 10 00 | Sept. 1, 1915 | 1 yr. |
| Smith, John H., | Scullville, | 17 | 3 | 6 00 | Sept. 1, 1915 | 1 yr. |
| Smith, Theo., | Scullville, | 15 | 4 | 8 00 | Sept. 1, 1915 | 1 yr. |
| Smith, William B., | Absecon, | 44 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Somers, Boice, Sr., | Scullville, | 23 | 3.55 | 8 90 | Mar. 1, 1915 | 1 yr. |
| Somers, R. J., | Linwood, | 31 | 4.97 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Stelman, Bolton, | Longport, | 26 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Steelman, Cora, | Atlantic City, | 55 | 2.25 | 5 00 | Mar. 1, 1915 | 1 yr. |
| Tallman, Eugene, | Scullville, | 1 | 3 | 6 00 | Mar. 1, 1915 | 1 yr. |
| Willetts, F. W., | Atlantic City, | 38 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Wilson, L. R., | Atlantic City, | 43 | 5 | 10 00 | Mar. 1, 1915 | 1 yr. |
| Total, | | | | \$415 00 | | |

OYSTER BED LEASES—DEPARTMENT OF BURLINGTON, OCEAN AND MONMOUTH COUNTIES.

| LESSEE. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|---------------------------|----------------|------------------------|----------|------------------|---------------|--------|
| Allen, Lyman, | Tuckerton, | X-X-X | 6 | \$3 00 | Dec. 31, 1914 | 1 yr. |
| Allen, Thomas A., | New Gretna, | 81-90 | 4 | 2 00 | Dec. 31, 1915 | 1 yr. |
| Allen, J. B., Jr., | Philadelphia, | 30 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Allen, John, | New Gretna, | 69-33 | 10 | 5 00 | Dec. 31, 1915 | 1 yr. |
| Allen, Joseph, Sr., | Tuckerton, | 79-80 | 12 | 6 00 | Dec. 31, 1915 | 1 yr. |
| Allen, Edwin K., | New Gretna, | 67 | 3 | 1 50 | Dec. 31, 1915 | 1 yr. |
| Allen, Harry M., | Tuckerton, | 14 | 3 | 1 50 | Dec. 31, 1915 | 1 yr. |
| Allen, W. S. & S. B., | Tuckerton, | 9-75-137 | 9 | 4 50 | Dec. 31, 1915 | 1 yr. |
| Allen, Walter S., | Tuckerton, | 76 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Allen, Thomas A., | Tuckerton, | 27-37 | 5 | 5 00 | Dec. 31, 1914 | 2 yrs. |
| Allen, Chas. H., | Tuckerton, | 114-116-74 | 11 | 5 50 | Dec. 31, 1915 | 1 yr. |
| Allen, Caleb F., | Tuckerton, | 12-72 | 4 | 2 00 | Dec. 31, 1915 | 1 yr. |
| Allen, Arnold, | Beach Haven, | 115-134 | 6 | 3 00 | Dec. 31, 1915 | 1 yr. |
| Allen, Washington C., | New Gretna, | 130 1/2 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Allen, Chester, | New Gretna, | 39 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Allen, Samuel S., | Tuckerton, | 322-397 | 22 | 11 00 | Aug. 1, 1915 | 1 yr. |
| Allen, Walter S. & S. B., | Tuckerton, | 75 1/2-9 1/2-475 | 17 1/2 | 8 01 | Aug. 1, 1915 | 1 yr. |
| Allen, Walter S., | Tuckerton, | X | 2 | 1 22 | Aug. 1, 1915 | 1 yr. |
| Allen, Samuel B., | Tuckerton, | 148 | 3 | 1 34 | Aug. 1, 1915 | 1 yr. |
| Allen, Joseph B., Sr., | Tuckerton, | 79 1/2-8 1/2 | 6 | 2 67 | Aug. 1, 1915 | 1 yr. |
| Abbott, William T., | Manahawkin, | 707-745-750-751 | 22 | 9 29 | Aug. 1, 1915 | 1 yr. |
| Adams, Elmer, | Port Republic, | 43 | 11 | 11 00 | Dec. 31, 1914 | 1 yr. |
| Adams, John F., | New Gretna, | 1561-105 | 7 | 3 50 | Dec. 31, 1915 | 1 yr. |
| Adams, Ernest G., | New Gretna, | 68 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Bogan, R. S., | New Gretna, | X-22-113-122 | 20 | 20 00 | Dec. 31, 1914 | 2 yrs. |
| Brown, Porter & Son, | Tuckerton, | 419 | 3 | 2 84 | Aug. 1, 1914 | 2 yrs. |
| Boker, William, | Barnegat, | 12 | 2 | 1 00 | Aug. 1, 1914 | 1 yr. |
| Brandt, George M., | Port Republic, | 178 | 2 | 1 89 | Aug. 1, 1914 | 2 yrs. |
| Burton Brothers, | Tuckerton, | X-454-481 | 17 | 8 50 | Aug. 1, 1914 | 1 yr. |
| Birdsall, John, | Barnegat, | X | 2 | 1 89 | Aug. 1, 1914 | 2 yrs. |
| Brown, Ezra P., | West Creek, | X-X-90-285-197-816-165 | 21 | 10 50 | Dec. 31, 1915 | 1 yr. |
| Brown, E. P. & H. Rulon, | West Creek, | 350 | 10 | 5 00 | Aug. 1, 1915 | 1 yr. |
| Brown, Walter P., | Tuckerton, | 334 1/2 | 2 | 1 00 | Dec. 1, 1915 | 1 yr. |
| Brown, Jas. D., | Tuckerton, | 308 | 6 | 2 67 | Aug. 1, 1915 | 1 yr. |
| Bates, Henry, | Port Republic, | 103 | 26 | 13 00 | Dec. 1, 1915 | 1 yr. |
| Birdsall, Jesse, | Barnegat, | 20 | 2 | 89 | Aug. 1, 1915 | 1 yr. |
| Conklin, Samuel B., | Cedar Run, | 22 1/2-X-22 | 12 | 6 00 | Dec. 1, 1915 | 1 yr. |
| Cranmer, Ashbrook, | Cedar Run, | 3-31-868 | 8 | 4 00 | Dec. 1, 1915 | 1 yr. |
| Cranmer, Chester, | Mayetta, | 10 1/2 | 3 | 2 50 | Dec. 1, 1915 | 1 yr. |
| Cranmer, Daniel D., | New Gretna, | 138-26-133 | 15 | 7 50 | Dec. 1, 1915 | 1 yr. |
| Chew, Benjamin, | New Gretna, | 3-4-5-117 | 8 | 4 00 | Dec. 1, 1915 | 1 yr. |
| Cobb, Thomas, | West Creek, | 160 | 3 | 1 50 | Dec. 1, 1915 | 1 yr. |
| Cowperthwaite, Wm. H., | West Creek, | 908-55-56-189-190-246 | 32 | 16 00 | Dec. 1, 1915 | 1 yr. |
| Cranmer, Ellis & Phineas, | West Creek, | 208-221 | 13 | 6 50 | Dec. 1, 1915 | 1 yr. |
| Cavileer, D. F., | Port Republic, | 42 | 2 | 1 00 | Dec. 1, 1915 | 1 yr. |
| Cox, Wm. & Harry, | Tuckerton, | 1574 | 8 | 4 00 | Aug. 1, 1915 | 1 yr. |
| Cox, George M., | West Creek, | 99-181-282 | 8 | 4 00 | Dec. 1, 1915 | 1 yr. |
| Cox, William E., | West Creek, | 79-815-128-166-176-178 | 17 | 8 50 | Dec. 1, 1915 | 1 yr. |
| Cox, J. B., | West Creek, | 231 | 3 | 3 00 | Aug. 1, 1915 | 2 yrs. |
| Cranmer, Oliver T., | West Creek, | 873-39 1/2-39 1/2-42 | 11 | 11 00 | Aug. 1, 1915 | 2 yrs. |
| Cranmer, Oliver T., | West Creek, | 39 1/2-42-873 | 11 | 5 50 | Dec. 1, 1915 | 1 yr. |
| Cox, C. H. & N. B., | West Creek, | 129-105 | 4 | 2 00 | Dec. 1, 1914 | 1 yr. |
| Cox, John O. & Jonathan, | West Creek, | 142 | 4 | 2 00 | Dec. 1, 1914 | 1 yr. |
| Cox, Jonathan, | West Creek, | X | 8 | 4 00 | Dec. 1, 1914 | 1 yr. |
| Cranmer, Samuel, | Cedar Run, | 26 | 6 | 3 00 | Aug. 1, 1915 | 1 yr. |
| Cranmer, Thomas, | Cedar Run, | 24 | 5 | 4 00 | Dec. 1, 1915 | 1 yr. |
| Cranmer, Fred G., | Cedar Run, | 46 | 2 | 1 00 | Aug. 1, 1915 | 1 yr. |
| Cranmer, P. H., | Cedar Run, | 1 | 3 | 1 50 | Dec. 1, 1915 | 1 yr. |

OYSTER BED LEASES—DEPARTMENT OF BURLINGTON, OCEAN AND MONMOUTH COUNTIES—Continued.

| LESSEE. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|-------------------------------|----------------|---|----------|------------------|------------------|--------|
| Cranmer, Wm. A., | Cedar Run, | 25 | 3 | \$1 50 | Dec. 1915 | 1 yr. |
| Cranmer, Lewis A., | Cedar Run, | X-29 | 5 | 2 50 | Dec. 1915 | 1 yr. |
| Cranmer, Thos. H., | Manahawkin, | 752-753 | 76 | 67 00 | Dec. 1915 | 2 yrs. |
| Chandler, Alexander, | Barnegat, | 7 | 2 | 1 00 | Aug. 1915 | 1 yr. |
| Chew, Benjamin, | New Gretna, | 3-4-117-5 | 8 | 4 00 | Dec. 1914 | 1 yr. |
| Cummings, Silas, | Parkertown, | 1517-1518-X | 6 | 3 00 | Dec. 1915 | 2 yrs. |
| Cummings, Charles, | Parkertown, | 912 | 5 | 4 73 | Aug. 1915 | 2 yrs. |
| Cavileer, Gilbert, | Port Republic, | 121 | 3 | 1 50 | Dec. 1915 | 1 yr. |
| Cranmer, Augustus G., | Cedar Run, | 862-27 | 4 | 3 89 | Aug. 1915 | 3 yrs. |
| Cranmer, Joseph T., | Manahawkin, | 727-733-709 | 9 | 4 50 | Aug. 1915 | 1 yr. |
| Cranmer, Noah, | Manahawkin, | 717-746 | 5 | 2 50 | Aug. 1915 | 1 yr. |
| Cranmer, Howard, | Cedar Run, | | 2 | 1 00 | Aug. 1, 1915 | 1 yr. |
| Conklin, Calvin, | Cedar Run, | 34 1/2-12 | 6 | 3 00 | Aug. 1915 | 1 yr. |
| Cranmer, Mathias, | Cedar Run, | 45-878-34 1/2-X-876-9-40 1/2-881-X-X-41-X-43 1/2-51 | 89 | 40 84 | An. Dec. 1, 1915 | 1 yr. |
| Cranmer, Caleb & Son, | New Gretna, | 80-94-172 | 19 | 9 50 | Dec. 1915 | 1 yr. |
| Cranmer, Harry G., | New Gretna, | 69 1/2-71-25 | 4 | 2 00 | Dec. 1915 | 1 yr. |
| Cranmer, Arnold, | New Gretna, | 78-139 | 11 | 5 00 | Dec. 1915 | 1 yr. |
| Cowperthwaite, Thos. J., | Tuckerton, | X | 2 | 1 00 | Dec. 1915 | 1 yr. |
| Cranmer, Harvey G., | Cedar Run, | 870 | 2 | 89 | Aug. 1915 | 1 yr. |
| Cranmer, Irving, | Cedar Run, | 866 | 3 | 1 34 | Aug. 1915 | 1 yr. |
| Cranmer, Joseph T., | Manahawkin, | 709-727-733 | 9 | 4 50 | Dec. 1915 | 1 yr. |
| Cranmer, Rufus, | Manahawkin, | 718-757-X | 13 | 5 79 | Aug. 1915 | 1 yr. |
| Conklin, Robert D., | Manahawkin, | 13 | 2 | 89 | Aug. 1915 | 1 yr. |
| Cranmer, Jas. H., | Manahawkin, | 862 | 2 | 89 | Aug. 1915 | 1 yr. |
| Cox, James, | Barnegat, | 30 | 2 | 89 | Aug. 1915 | 1 yr. |
| Cox, Wm. & Harry, | Tuckerton, | 854-470-427-467-1574-X | 28 | 12 46 | Aug. 1915 | 1 yr. |
| Cranmer, Oliver, & N. B. Cox, | West Creek, | 186 | 8 | 4 00 | Aug. 1915 | 1 yr. |
| Cranmer, Milton A., | New Gretna, | 11 | 2 | 1 00 | Dec. 1915 | 1 yr. |
| Cranmer, I. J., | Cedar Run, | X-44 | 4 | 2 00 | Dec. 1915 | 1 yr. |
| Cranmer, Harvey G., | Cedar Run, | X-870 | 7 | 3 50 | Aug. 1915 | 1 yr. |
| Conklin, Lewis A., | Cedar Run, | 18 1/2-23 | 9 | 4 50 | Dec. 1915 | 1 yr. |
| Conklin, Nehemiah, | Cedar Run, | 20 | 6 | 3 00 | Dec. 1915 | 1 yr. |
| Conklin, Robert, | Cedar Run, | 17 1/2 | 2 | 1 00 | Dec. 1915 | 1 yr. |
| Darby, J. W., | Tuckerton, | 29-X-23-66-28 | 16 | 16 00 | Dec. 31, 1914 | 2 yrs. |
| Driscoll, Enoch, | Tuckerton, | 154 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Driscoll, Reuben, | Tuckerton, | 447-X-402 | 7 | 3 50 | Dec. 31, 1915 | 1 yr. |
| Driscoll, Harry, | Tuckerton, | 404 | 4 | 1 89 | Aug. 1, 1915 | 1 yr. |
| Elberson, Mertie, | Manahawkin, | 743 | 2 | 89 | Aug. 1, 1915 | 1 yr. |
| Fenimore, Alfred, | West Creek, | 53-54-65-200-88-502 | 21 | 10 50 | Dec. 31, 1914 | 1 yr. |
| Frazier, Frank V., | Tuckerton, | 167 | 2 | 1 00 | Dec. 31, 1914 | 1 yr. |
| Fisk, Lewis, | Tuckerton, | 385 1/2 | 5 | 2 23 | Aug. 1, 1915 | 1 yr. |
| Grant, S. T., | Lanoka, | 30 | 15 | 7 50 | Dec. 31, 1915 | 1 yr. |
| Grant, Wm. H., | Lanoka, | X-2 | 21 | 10 50 | May 1915 | 1 yr. |
| Gale, William H., | Tuckerton, | 102 | 2 | 2 00 | Dec. 31, 1915 | 2 yrs. |
| Gale, George E., | Tuckerton, | 1506-107 | 13 | 6 14 | Aug. 1, 1915 | 1 yr. |
| Gale, Harvey E., | Tuckerton, | 83-311-480-333 | 17 | 7 57 | Aug. 1, 1915 | 1 yr. |
| Gaskill, William F., | Tuckerton, | 346 | 6 | 2 67 | Aug. 1, 1915 | 1 yr. |
| Garrison, Eugene, | Tuckerton, | 332-X-464 | 13 | 5 79 | Aug. 1, 1915 | 1 yr. |
| Grey, John A., | New Gretna, | 11 1/2-72 1/2-12 1/2-17-130 | 10 | 5 00 | Dec. 31, 1915 | 1 yr. |
| Gaskill, T. J. & Son, | New Gretna, | 83-56-64 | 10 | 5 00 | Dec. 31, 1915 | 1 yr. |
| Gaskill, Jesse, | Brigantine, | 131 | 2 | 89 | Aug. 1, 1915 | 1 yr. |
| Hornor, Charles A., | Parkertown, | 851-216 1/2-1520-X | 16 | 7 34 | Aug. 1, 1915 | 2 yrs. |
| Hornor, Ephraim, | Manahawkin, | 706-76 1/2 | 12 | 6 00 | Aug. 1, 1914 | 1 yr. |
| Hazelton, Leon W., | Manahawkin, | X | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Higgins, Theo., | Beverly, | 476 1/2 | 2 | 1 00 | Aug. 1, 1914 | 1 yr. |
| Hewitt, Jesse L., | Port Republic, | X | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Hewitt, Nelson, | Port Republic, | X | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Higbee, Samuel, | Port Republic, | 45 | 11 | 5 50 | Dec. 31, 1915 | 1 yr. |

OYSTER BED LEASES—DEPARTMENT OF BURLINGTON, OCEAN
AND MONMOUTH COUNTIES—Continued.

| LESSEE. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|----------------------------------|---------------------|--|----------|------------------|---------------|--------|
| Higbee, John G., | Port Republic, .. | 1529-1576-1528 | 16 | \$3 00 | Dec. 31, 1915 | 1 yr. |
| Heintz, Harvey, | Port Republic, .. | X | 5 | 2 50 | Dec. 31, 1915 | 1 yr. |
| Hickman, Oscar, | Tuckerton, | 6-X | 4 1/4 | 2 22 | Aug. 1, 1915 | 1 yr. |
| Haywood, Joseph P., | West Creek, | 167-83-204-179- 227 1/2-173-414- 135-292-814 | 40 | 20 00 | Dec. 31, 1915 | 1 yr. |
| Haywood & Rutter, | West Creek, | 63-244-97-68 | 12 | 12 00 | Dec. 31, 1915 | 2 yrs. |
| Headly, Parker, | Tuckerton, | 452 | 4 | 1 78 | Aug. 1, 1915 | 1 yr. |
| Helfrich, Charles, | Barnegat, | 25-24 | 8 | 3 58 | Aug. 1, 1915 | 1 yr. |
| Holmes, Edward, | Forked River, | X-X | 10 | 4 46 | Apr. 1915 | 1 yr. |
| Hollingsworth, George, | Barnegat, | 46-94-10-19-22- 27-41-10-36-7-2 | 81 | 36 49 | Aug. 1, 1915 | 1 yr. |
| Huntly, Charles, | Port Republic, .. | 184 | 6 | 2 78 | Aug. 1, 1915 | 1 yr. |
| Inman, Clinton S., | Barnegat, | 11-38-28-28 1/2 | 10 | 4 45 | Aug. 1, 1915 | 1 yr. |
| Johnson, Edward, | West Creek, | 194 | 7 1/2 | 7 50 | Dec. 31, 1915 | 3 yrs. |
| Jones, William J., | Wes. Creek, | 213-106-141 | 8 | 4 00 | Dec. 31, 1915 | 1 yr. |
| Jones, A. H., | West Creek, | 823-831-91-126- 909-151-139-88- 1513 | 35 | 17 50 | Dec. 31, 1915 | 1 yr. |
| Jeffery, Howard, | Lanoka, | 1 | 10 | 5 00 | May 1915 | 1 yr. |
| Jones, Joseph H., | Tuckerton, | 448-343 | 5 | 2 50 | May 1915 | 1 yr. |
| Kelly, Manas, | West Creek, | 69-297 | 10 | 4 62 | Aug. 1, 1915 | 1 yr. |
| Kelly, George, | West Creek, | 1835-833-943- 852-902 | 47 | 23 59 | Aug. 1, 1915 | 1 yr. |
| Kelly, Job S., | West Creek, | 838 | 3 | 1 50 | Dec. 31, 1915 | 1 yr. |
| Kelly, T. C., & Son, | West Creek, | 210-240-243-92- 237-174-177-242- 207-283-104-100 | 56 | 27 50 | Dec. 31, 1915 | 1 yr. |
| Kelly, James E., | West Creek, | 86-93-289 | 10 | 5 00 | Dec. 31, 1915 | 1 yr. |
| Kelly, Hugh F., | West Creek, | 132-212-87- 1522-920-188 | 15 | 7 50 | Dec. 31, 1915 | 1 yr. |
| Kelly, J. H., | West Creek, | 1525 | 10 | 5 00 | Dec. 31, 1915 | 1 yr. |
| Kelly, N. E., | West Creek, | 133-72-172- 164-98-1521 | 22 | 11 00 | Dec. 31, 1915 | 1 yr. |
| Kelly, N. E., | West Creek, | 847-830-826-848 | 20 | 8 90 | Aug. 1, 1915 | 1 yr. |
| Kelly, Jas. E., | West Creek, | 86-93-289 | 10 | 5 00 | Dec. 31, 1914 | 1 yr. |
| Kelly, Amanda, | West Creek, | 218 | 13 | 6 50 | Dec. 31, 1914 | 1 yr. |
| Kelly, Blanche, | West Creek, | 228 | 2 | 1 00 | Dec. 31, 1914 | 1 yr. |
| Kelly, Wynne J., | Tuckerton, | 498 1/4-43-436 | 12 | 5 34 | Aug. 1, 1915 | 1 yr. |
| Kelly, C. D., & G. Y. Schoch, | West Creek, | 300-137-143-163- 463-X | 65 | 32 50 | Dec. 31, 1915 | 1 yr. |
| King, J. R., | Barnegat, | 4 | 3 | 1 34 | Aug. 1, 1915 | 1 yr. |
| Kelly, T. C., & Son, | West Creek, | 210-240-243-283- 92-100-104-174- 177-237-242-207 | 55 | 27 50 | Dec. 31, 1914 | 1 yr. |
| Loveland, Jesse A., | New Gretna, | 120-144 | 8 | 4 00 | Dec. 31, 1914 | 2 yrs. |
| Loveland, Jesse I., | New Gretna, | 92 | 3 | 1 50 | Dec. 31, 1914 | 1 yr. |
| Lamson, Joel W., | Cedar Run, | 5-21 | 5 | 2 50 | Dec. 31, 1914 | 1 yr. |
| Lamson, Joseph A., | Cedar Run, | 30 | 5 | 2 50 | Dec. 31, 1914 | 1 yr. |
| Leeds, Risley, | Leeds Point, | 40 | 3 | 1 50 | Dec. 31, 1914 | 1 yr. |
| Letts, Pruden, | Manahawkin, | 754-744-732-714 | 11 | 4 90 | Aug. 1, 1914 | 1 yr. |
| Letts, Nathan M., | Manahawkin, | 749-748-756-230- 729-731 | 28 | 14 00 | Dec. 31, 1914 | 1 yr. |
| Mathis, John K., | New Gretna, | X | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Mathis, Harry V., | New Gretna, | 6-58 | 7 | 7 00 | Dec. 31, 1915 | 2 yrs. |
| Mathus, Walter R., | New Gretna, | 85-96-1/2 of 120 | 4 | 4 50 | Dec. 31, 1915 | 1 yr. |
| Mathis, J. Frank, | Leeds Point, | 10-111-112 | 32 | 27 58 | Aug. Dec. '15 | 2 yrs. |
| Mathis, Joshua, | New Gretna, | 34 | 2 | 2 00 | Dec. 31, 1915 | 2 yrs. |
| Mathis, D. E., | New Gretna, | 34 1/2-91 | 6 | 2 67 | Aug. 1, 1915 | 1 yr. |
| Mathis, Caleb A., | New Gretna, | 180 | 5 | 2 23 | Aug. 1, 1915 | 1 yr. |
| McAnney, John C., | New Gretna, | 32-132 | 4 | 2 00 | Aug. 1, 1915 | 1 yr. |
| Mathis, Harvey G., | New Gretna, | 55 | 7 | 3 50 | Dec. 31, 1915 | 1 yr. |
| Mathis, Daniel S., | New Gretna, | 384 1/2 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Mathis, John K., | New Gretna, | X | 2 | 2 00 | Dec. 31, 1915 | 2 yrs. |
| Mathis, William H., | New Gretna, | 70 | 2 | 2 00 | Dec. 31, 1915 | 2 yrs. |

OYSTER BED LEASES—DEPARTMENT OF BURLINGTON, OCEAN
AND MONMOUTH COUNTIES—Continued.

| LESSEE. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|-------------------------|---------------------|---|----------|------------------|---------------|--------|
| Mathis, Alvin, | New Gretna, | 73-82 | 4 | \$1 00 | Aug. 1, 1915 | 1 yr. |
| Mathis, Ira, | Tuckerton, | 499 | 4 | 2 00 | Oct. 1915 | 1 yr. |
| Mathis, Wm. A., | Tuckerton, | 453-X | 7 | 3 12 | Aug. 1, 1915 | 1 yr. |
| Mott, George A., | Tuckerton, | X | 5 | 5 00 | Dec. 31, 1915 | 2 yrs. |
| Mott, Joel E., | Tuckerton, | 123-109-110 | 7 | 3 50 | Dec. 31, 1915 | 1 yr. |
| Mott, Eldridge, | Tuckerton, | 108 | 2 | 1 00 | May 1915 | 1 yr. |
| Morris, William A., | Tuckerton, | 326 | 5 | 2 23 | Aug. 1, 1915 | 1 yr. |
| Marshall, Solomon, | Tuckerton, | X-429 | 10 | 8 45 | Aug. 1, 1915 | 1 yr. |
| McDaniel, W. R., | Tuckerton, | 486 | 4 | 1 78 | Aug. 1, 1915 | 1 yr. |
| Marshall, James, | Beach Haven, | 307 | 8 1/2 | 7 56 | Aug. 1, 1915 | 2 yrs. |
| Marshall, Jas. & Geo., | Beach Haven, | 1/2 of 433 | 7 1/2 | 3 78 | Aug. 1, 1915 | 1 yr. |
| Martin, Benj., | Manahawkin, | 756-223 | 5 | 2 23 | Aug. 1, 1915 | 1 yr. |
| Martin, Humphrey, | Manahawkin, | 711 | 3 | 1 50 | Aug. 31, 1915 | 1 yr. |
| Martin, Frank, | Manahawkin, | X-739 | 13 1/4 | 6 00 | Aug. 31, 1915 | 1 yr. |
| Maxwell, Jos. & Geo., | Wading River, | 54-182 | 6 | 2 67 | Aug. 1, 1915 | 1 yr. |
| Mathis, Pitman E., | Ocean City, | 18 | 2 1/2 | 1 48 | Dec. 31, 1915 | 1 yr. |
| Price, Abram, | Parkertown, | 815 | 11 | 11 00 | Dec. 31, 1915 | 2 yrs. |
| Price, Merritt, | Parkertown, | 808 | 3 | 3 00 | Dec. 31, 1915 | 2 yrs. |
| Price, Clarence, | Parkertown, | 809 | 4 | 2 00 | Dec. 31, 1914 | 1 yr. |
| Parker, Charles, | Tuckerton, | 387-493 | 5 | 10 00 | Dec. 31, 1914 | 2 yrs. |
| Parker, J. W., Bros., | Tuckerton, | 492-428-394-318- 321-325-327-X- 325-X-329-X | 81 | 35 60 | Aug. 1, 1915 | 1 yr. |
| Parker, Samuel B., | Tuckerton, | 396-X-395 | 13 | 5 79 | Aug. 1, 1915 | 1 yr. |
| Pullen, Brazilla, | Tuckerton, | 443-478-418-441- 479-417-89-340 | 28 | 13 07 | Aug. Dec. '15 | 1 yr. |
| Pharo, J. J., | Tuckerton, | 455 | 8 | 3 56 | Aug. 1, 1915 | 1 yr. |
| Patterson, C., | Cedar Run, | 702 1/2 | 2 | 3 00 | Dec. 31, 1915 | 3 yrs. |
| Phillips, Randolph, | Forked River, | X | 10 | 5 00 | Apr. 1915 | 1 yr. |
| Pharo, Frank, | West Creek, | 1524 | 2 | 1 00 | Apr. 1915 | 1 yr. |
| Pharo, Aaron W., | West Creek, | 234-73 | 5 | 2 50 | Aug. 1, 1915 | 1 yr. |
| Parker, Ezra, | Barnegat, | 24-25 | 8 | 3 56 | Aug. 1, 1915 | 1 yr. |
| Perine, Howard, | Barnegat, | 31-32-29 | 7 | 3 12 | Aug. 1, 1915 | 1 yr. |
| Pullen, Frank, | Tuckerton, | 416 | 2 | 89 | Aug. 1, 1915 | 1 yr. |
| Potter, Edwin F., | West Creek, | 216-196 1/2 | 5 | 7 50 | Aug. Dec. '15 | 2 yrs. |
| Potter, Reuben, | Bayville, | X | 6 | 2 67 | Aug. 1, 1915 | 1 yr. |
| Parker, Rudolph, | Parkertown, | 804-1514-1519 | 9 | 4 50 | Aug. 1, 1915 | 1 yr. |
| Parker, J. C., | Parkertown, | 826 1/2 | 5 | 2 50 | Aug. 1, 1915 | 1 yr. |
| Parker, Hansell, | Parkertown, | 841-227 | 7 | 3 50 | Aug. 1, 1915 | 1 yr. |
| Parker, Henry, | Parkertown, | 831-X | 6 | 3 00 | June 1915 | 1 yr. |
| Parker, Norwood, | Parkertown, | 928-927-913- X-X-X | 41 | 20 50 | Aug. Dec. '15 | 1 yr. |
| Quinn, George, | Tuckerton, | 393-406-X-X-X | 12 | 6 00 | Dec. 31, 1915 | 1 yr. |
| Quinn, George, Jr., | Tuckerton, | X-405-6 | 7 | 2 40 | Aug. 1, 1915 | 1 yr. |
| Rider, Anson J., & Son, | Tuckerton, | X-X-X-422-424- 412-465-388-45 | 81 | 49 36 | Aug. 1, 1915 | 1 yr. |
| Riley, Benj., | Tuckerton, | 421 | 2 | 2 48 | Dec. 31, 1915 | 2 yrs. |
| Ridgway, Oscar, | Barnegat, | 7-3-13 | 11 | 5 50 | Aug. 1, 1915 | 1 yr. |
| Ridgway, Arthur, | Barnegat, | 43 | 3 | 1 50 | Aug. 1, 1915 | 1 yr. |
| Rutter, H. T., | Barnegat, | 44 | 2 | 89 | Aug. 1, 1915 | 1 yr. |
| Rulon, Harper, | West Creek, | 75-159-201-1512 | 11 | 5 50 | Dec. 31, 1915 | 1 yr. |
| Rutter, R. F., | West Creek, | 203-183-175-191- 501-140 | 46 | 23 00 | Dec. 31, 1915 | 1 yr. |
| Rutter, C. Roy, | West Creek, | 154 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Ripley, John, | West Creek, | 900 | 10 | 4 45 | Aug. 1, 1915 | 1 yr. |
| Robbins, L. D., | New Gretna, | 89-93-118 | 12 | 6 00 | Dec. 31, 1915 | 1 yr. |
| Robbins, Chas., | New Gretna, | 35-36-86-87-65 | 12 | 6 00 | Dec. 31, 1915 | 1 yr. |
| Rosenholm, John, | Tuckerton, | X-6 | 10 | 5 00 | Dec. 31, 1915 | 1 yr. |
| Sprague, Reuben, | West Creek, | 77 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Sprague, John F., | West Creek, | 180 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Sprague, Frank, | West Creek, | 62-85 | 4 | 2 00 | Dec. 31, 1915 | 1 yr. |
| Sprague, Phillip, | West Creek, | 818-131-182-101- 205 | 22 | 16 50 | Dec. 31, 1915 | 2 yrs. |
| Salmons, Edwin, | West Creek, | X | 2 | 2 00 | Dec. 31, 1915 | 2 yrs. |
| Salmons, Daniel, | West Creek, | 147 | 2 | 1 89 | Aug. 1, 1915 | 2 yrs. |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES—DEPARTMENT OF BURLINGTON, OCEAN AND MONMOUTH COUNTIES—Continued.

| LESSEE. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|--------------------------|----------------|----------------------------------|----------|------------------|---------------|--------|
| Shinn, Edwin L., | West Creek, | 840-215-22-305 | 23 | \$10.59 | Aug. Dec. '15 | 2 yrs. |
| Shinn, Thomas, | West Creek, | 238 | 4 | 2 00 | Dec. 31, 1915 | 2 yrs. |
| Seaman, Clarence, | West Creek, | 145-162-82 | 18 | 9 00 | Dec. 31, 1915 | 2 yrs. |
| Sprague, Phillip A., | West Creek, | X | 2 | 3 00 | Dec. 31, 1915 | 3 yrs. |
| Sprague, Henry, | West Creek, | 71 | 4 | 2 00 | Dec. 31, 1915 | 1 yr. |
| Seaman, Wm. S., | West Creek, | 187-96-301-67 | 10 | 5 00 | Dec. 31, 1915 | 1 yr. |
| Sprague, Edwin B., | Cedar Run, | 861-877-40 | 6 | 3 00 | Dec. 31, 1914 | 1 yr. |
| Salmons, Frank W., | Staffordville, | 21 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Stager, H. E., | Manahawkin, | 1 | 4 | 2 00 | Aug. 1, 1915 | 1 yr. |
| Soper, Phillip H., | Manahawkin, | 742-713-716-727 1/2 | 12 | 5 62 | Aug. 1, 1915 | 1 yr. |
| Stiles, Ezra, & Co., | Tuckerton, | X-X-X-855-335-392-403-437-438- | 31 | 15 50 | Dec. 31, 1915 | 1 yr. |
| Stiles, Elias, | Tuckerton, | 413 | 10 1/2 | 4 90 | Aug. 1, 1915 | 1 yr. |
| Speck, J. H. & Bro., | Tuckerton, | 119 | 7 | 3 12 | Aug. 1, 1915 | 1 yr. |
| Sawyer, Joseph, | Tuckerton, | 323-256 | 26 | 11 57 | Aug. 1, 1915 | 1 yr. |
| Smith, Samuel E., | Tuckerton, | 452 1/2 | 6 | 3 00 | Aug. 1, 1915 | 1 yr. |
| Sprague, Phillip, | Tuckerton, | 430-410-498-X | 29 | 14 01 | Aug. 1, 1915 | 1 yr. |
| Sprague, Albert & Lewis, | Tuckerton, | 1575 | 6 | 2 23 | Aug. 1, 1915 | 1 yr. |
| Sprague, Lewis, | Tuckerton, | X-X-409 | 9 | 4 01 | Aug. 1, 1915 | 1 yr. |
| Sprague, Albert, | Tuckerton, | 471 | 2 | 89 | Aug. 1, 1915 | 1 yr. |
| Sapp, H. W., | Tuckerton, | 309-X | 12 | 6 00 | Dec. 31, 1915 | 1 yr. |
| Sapp, Walter L., | Tuckerton, | 313-488-X | 14 | 7 00 | Dec. 31, 1915 | 1 yr. |
| Sapp, Joseph E., | Tuckerton, | 489-489 1/2-487-482-334-324 | 35 | 15 00 | Aug. Dec. '15 | 1 yr. |
| Sapp, Walter L. & Co., | Tuckerton, | 456-314-310-312-490-337-315 | 54 | 24 08 | Aug. Dec. '15 | 1 yr. |
| Smith, Henry P., | Tuckerton, | 445-479 | 5 | 2 50 | Aug. 1, 1915 | 1 yr. |
| Sprague, Phillip, | Tuckerton, | 498-430-X-410 | 20 | 10 00 | Aug. 1, 1914 | 1 yr. |
| Speck, Wm. H., | Tuckerton, | X | 3 | 1 50 | Dec. 31, 1914 | 1 yr. |
| Stiles, Jas., | Tuckerton, | 415 | 2 | 1 00 | Dec. 31, 1914 | 1 yr. |
| Sapp, Joseph E., | Tuckerton, | 489 1/2 | 8 | 4 00 | Aug. 1, 1914 | 1 yr. |
| Sapp, W. L., | Tuckerton, | X | 4 | 2 00 | Aug. 1, 1914 | 1 yr. |
| Stiles, Ezra, | Tuckerton, | 392-403-408-413-855-335-425-437- | 33 | 16 50 | Dec. 31, 1914 | 1 yr. |
| Smith, Samuel A., | Tuckerton, | X-X-X | 6 | 3 00 | Aug. 1, 1914 | 1 yr. |
| Speck, J. H. & Bro., | Tuckerton, | 452 1/2 | 117 | 117 00 | Dec. 31, 1915 | 2 yrs. |
| Speck, William, | Tuckerton, | 20-119 | 20 | 15 00 | Dec. 31, 1915 | 2 yrs. |
| Smith, Samuel A. & Son, | Tuckerton, | 345 | 8 | 4 00 | Aug. 1, 1914 | 1 yr. |
| Smith, Joseph P., | Tuckerton, | 344 | 4 | 2 00 | Dec. 31, 1914 | 1 yr. |
| Smith, Henry P., | Tuckerton, | 445-447 | 5 | 2 50 | Aug. 1, 1914 | 1 yr. |
| Smith, Chas. A., | Tuckerton, | 1000 | 36 | 18 00 | Dec. 31, 1915 | 1 yr. |
| Smith, Samuel A., | Tuckerton, | 452 1/2 | 6 | 2 67 | Aug. 1, 1915 | 1 yr. |
| Soper, Chas. H., | Barneget, | 9-56-33 | 11 | 5 50 | Aug. 1, 1915 | 1 yr. |
| Sooy, Daniel T., | New Gretna, | 24-59 | 20 | 10 00 | Dec. 31, 1915 | 2 yrs. |
| Truax, George C., | Mayetta, | 863 | 4 | 2 00 | Aug. 1, 1915 | 1 yr. |
| White, David M., | Manahawkin, | X | 4 | 2 00 | Aug. 1, 1915 | 1 yr. |
| White, Adelbert, | Manahawkin, | 351 1/2 | 4 | 3 90 | Aug. 1, 1915 | 2 yrs. |
| Wilson, J. H., | Port Republic, | 41 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Wilson, Amasa, | Port Republic, | X | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |
| Wood, R. A., | West Creek, | 226 | 2 | 1 00 | Dec. 31, 1915 | 1 yr. |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES—SHARK RIVER.

| LESSEE. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|-------------------------|--------------|--|----------|------------------|-------|-------|
| Allgor, Devine, | Como, | 11 | 1 | \$1 25 | 1915, | 1 yr. |
| Allgor, Devine, | Como, | 178 | 1 | 1 50 | 1915, | 1 yr. |
| Allgor, Devine, | Como, | 124-125-126-133-134-135-137-138 | 8 | 7 50 | 1915, | 1 yr. |
| Allgor, Devine, | Como, | 117-190 | 2 | 3 00 | 1915, | 1 yr. |
| Bennett, Eden, Sr., | Avon, | 109-119-118 | 3 | 5 50 | 1915, | 1 yr. |
| Bennett, Eden, Sr., | Avon, | 27 | 1 | 3 00 | 1915, | 1 yr. |
| Bennett, Franklin E., | Avon, | 28 | 1 | 3 00 | 1915, | 1 yr. |
| Bennett, Franklin E., | Avon, | 21-22-23-24 | 4 | 12 00 | 1915, | 1 yr. |
| Bennett, Franklin E., | Avon, | 4-5 | 2 | 6 00 | 1915, | 1 yr. |
| Bennett, Franklin E., | Avon, | 47-48 | 2 | 1 00 | 1915, | 1 yr. |
| Bennett, John H., | Belmar, | 66 to 73 | 11 | 5 50 | 1915, | 1 yr. |
| Bennett, Henry A., | Avon, | 82 to 84 | 1 | 3 00 | 1915, | 1 yr. |
| Bennett, Henry A., | Avon, | 18 | 1 | 3 00 | 1915, | 1 yr. |
| Bennett, Henry A., | Avon, | 6-7 | 2 | 6 00 | 1915, | 1 yr. |
| Bennett, Henry A., | Avon, | 12 | 1 | 3 00 | 1915, | 1 yr. |
| Bennett, Garrett, | Belmar, | 2-3-21-22 | 4 | 3 00 | 1915, | 1 yr. |
| Bennett, Garrett, | Belmar, | 160-169 | 2 | 2 00 | 1915, | 1 yr. |
| Bentell, E. M., | Belmar, | 3 | 1 | 3 00 | 1915, | 1 yr. |
| Brown, Charles, | Belmar, | 36 | 1 | 1 00 | 1915, | 1 yr. |
| Brown, Harry, | Belmar, | 7-8 | 2 | 2 00 | 1915, | 1 yr. |
| Bloodgood, Willis, | Belmar, | 23 to 25 | 10 | 7 50 | 1915, | 1 yr. |
| Bloodgood, Willis, | Belmar, | 45 to 51 | 1 | 2 00 | 1915, | 1 yr. |
| Flemming, Henry, | Avon, | 34 | 7 | 3 50 | 1915, | 1 yr. |
| Flemming, Henry, | Avon, | 64-65-74-75-80-81-88 | 2 | 4 00 | 1915, | 1 yr. |
| Flemming, Henry, | Avon, | 13-19 | 4 | 5 00 | 1915, | 1 yr. |
| Gassin, Charles E., | Belmar, | 113-114-127-128 | 1 | 1 00 | 1915, | 1 yr. |
| Howland, Mrs. Chas., | Belmar, | 83 | 1 | 2 00 | 1915, | 1 yr. |
| Hall, Sidney M., | Asbury Park, | 159 | 1 | 1 00 | 1915, | 1 yr. |
| Jensen, Julius, | Avon, | 37 | 1 | 1 00 | 1915, | 1 yr. |
| Jensen, Chas., | Avon, | 39 | 1 | 1 00 | 1915, | 1 yr. |
| Jensen, Thomas, | Avon, | 50 | 1 | 1 00 | 1915, | 1 yr. |
| Jensen, Julius, | Avon, | 61 | 1 | 1 00 | 1915, | 1 yr. |
| Jensen, Charles, | Avon, | 39 | 1 | 1 00 | 1915, | 1 yr. |
| Jensen, Thomas, | Avon, | 50 | 1 | 1 00 | 1915, | 1 yr. |
| Low, C. L., | Avon, | 61 | 1 | 1 00 | 1915, | 1 yr. |
| Morris, Alexander, Sr., | Asbury Park, | 17 | 1 | 3 00 | 1915, | 1 yr. |
| Morris, William, | Asbury Park, | 15-16 | 2 | 6 00 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 8-9-10-11-14-20 | 6 | 16 00 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 186 to 189 | 4 | 5 50 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 145-152-157-158 | 4 | 3 00 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 129-130; 163 to 166; 173-174; | 12 | 10 00 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 141 to 144 | 2 | 4 00 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 111-112 | 2 | 4 00 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 115-116 | 2 | 4 00 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 136-4-5; 153 to 156 | 7 | 6 50 | 1915, | 1 yr. |
| Newman, Wilson L., | Belmar, | 12-16-17-29-30 | 5 | 5 00 | 1915, | 1 yr. |
| Newman & Allgor, | Belmar, | 119-180; 121 to 123 | 5 | 3 75 | 1915, | 1 yr. |
| Newman & Allgor, | Belmar, | 6-9-10; 13 to 15-18-19-20-26-27-28-31-32-37 to 42-52 to 63-76 to 79. | 38 | 20 00 | 1915, | 1 yr. |
| Newman & Allgor, | Belmar, | 1-131-132-139-140-161-162-167-168-170-171-172-.175 to 177 | 15 | 13 25 | 1915, | 1 yr. |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES—SHARK RIVER—Continued.

| LESSOR. | ADDRESS. | No. | Acreage. | Amount of Lease. | Date. | Term. |
|------------------------|--------------|-----------------|----------|------------------|-------|-------|
| Newman, Chas., | Belmar, | 181-182-183-184 | 4 | \$8 00 1915 | ..... | 1 yr. |
| Palmer, Charles H., | Avon, | 30-31 | 2 | 3 00 1915 | ..... | 1 yr. |
| Palmer, John P., | Avon, | 85-89 | 2 | 1 50 1915 | ..... | 1 yr. |
| Palmer, John P., | Avon, | 49-60 | 2 | 1 00 1915 | ..... | 1 yr. |
| Smock, John C., | Avon, | 38 | 1 | 1 00 1915 | ..... | 1 yr. |
| Smock, Utah, | Avon, | 32-34-35-38 | 4 | 4 00 1915 | ..... | 1 yr. |
| Smock, Chester, | Avon, | 40-51 | 2 | 2 00 1914 | ..... | 1 yr. |
| Slocum, John H., | Avon, | 41-52 | 2 | 2 00 1915 | ..... | 1 yr. |
| Slocum, Chester, | Avon, | 40-51 | 2 | 2 00 1915 | ..... | 1 yr. |
| Slocum, John, | Avon, | 41-52 | 2 | 2 00 1915 | ..... | 1 yr. |
| Tucker, Edwin, | Avon, | 1-2 | 2 | 2 25 1915 | ..... | 1 yr. |
| Vannote, Frederick H., | Asbury Park, | 25-26 | 2 | 3 00 1915 | ..... | 1 yr. |
| Wright, James, | Lakewood, | 35 | 1 | 3 50 1915 | ..... | 1 yr. |
| Woolley E. S. V., | New Bedford, | 149-150-151 | 1 | 3 50 1915 | ..... | 1 yr. |
| Woolley Hiram, | New Bedford, | 148 | 1 | 1 50 1915 | ..... | 1 yr. |
| Woolley William H., | New Bedford, | 179 | 1 | 1 00 1915 | ..... | 1 yr. |
| Woolley, William H., | New Bedford, | 146-147 | 2 | 2 00 1915 | ..... | 1 yr. |
| Woolley, William H., | New Bedford, | 185 | 1 | 1 00 1915 | ..... | 1 yr. |

BOAT LICENSES—DEPARTMENT OF MAURICE RIVER COVE,

| No. of License. | MASTER. | ADDRESS. | Kind and Name of Boat. | Tonn. | Date. | Term. | Amount. |
|-----------------|------------------------|-----------------|--------------------------------|-------|----------------|-------|---------|
| 24 | Anold, James, | Fairton, | Schr. Helen May Schoch, | 34 | Mar. 18, 1915 | 1 yr. | \$51 00 |
| 230 | Armstrong, George, | Delmont, | Slp. Sherman, | 12 | Mar. 28, 1915 | 1 yr. | 18 00 |
| 431 | Adams, J. Wesley, | Port Norris, | Slp. Sophy and Ina, | 15 | Mar. 31, 1915 | 1 yr. | 22 50 |
| 5 | Berry, Stultz, | Port Norris, | Schr. Anna and Helen, | 32 | Mar. 30, 1915 | 1 yr. | 48 00 |
| 25 | Burt, George B., | Cedarville, | Schr. Maggie S. Myers, | 24 | May 27, 1915 | 1 yr. | 36 00 |
| 37 | Bradford, Lucius E., | Newport, | Schr. T. B. Husted, | 27 | Jan. 1, 1915 | 1 yr. | 40 50 |
| 52 | Bateman, J. Roberts, | Mauricetown, | Schr. Roscoe S. Miller, | 20 | Jan. 1, 1915 | 1 yr. | 30 00 |
| 58 | Bailey, David, | Port Norris, | Slp. Mary Alice, | 13 | Mar. 31, 1915 | 1 yr. | 19 50 |
| 61 | Brown, Earl H., | Port Norris, | Ga. St. Earl and Harry, | Under | May 1, 1915 | 1 yr. | 10 00 |
| 77 | Baker, William, | Haleyville, | Slp. J. Gordon, | 10 | April 28, 1915 | 1 yr. | 15 00 |
| 81 | Berry, Benjamin, | Port Norris, | Schr. Arabelle, | 26 | Mar. 31, 1915 | 1 yr. | 39 00 |
| 82 | Berry, John, | Port Norris, | Schr. Annie C. Johnson, | 32 | April 30, 1915 | 1 yr. | 48 00 |
| 96 | Bradford, Chas. L., | Newport, | Schr. Charles L. Bradford, | 35 | April 1, 1915 | 1 yr. | 52 50 |
| 97 | Bell, George C. Jr., | Bivalve, | Ga. St. James Mulvey, | 18 | Mar. 25, 1915 | 1 yr. | 27 00 |
| 126 | Buck, George H., | Bridgeton, | Slp. Lorella H. Sharp, | Under | April 30, 1915 | 1 yr. | 10 00 |
| 136 | Bateman, Americus, | Port Norris, | Schr. Volunteer, | 10 | April 2, 1915 | 1 yr. | 15 00 |
| 156 | Bateman, Elmer, | Port Norris, | Ga. St. William E. Fowler, | 30 | April 4, 1915 | 1 yr. | 45 00 |
| 199 | Berry, Harry, | Port Norris, | Schr. Marcus L. Godfrey, | 24 | April 1, 1915 | 1 yr. | 36 00 |
| 195 | Berry, Philip, | Port Norris, | Schr. Frances S. Dubois, | 23 | Mar. 27, 1915 | 1 yr. | 34 50 |
| 202 | Blizzard, F. William, | Port Norris, | Slp. Mattie B., | 10 | Mar. 29, 1915 | 1 yr. | 15 00 |
| 208 | Blizzard, Grover C., | Newport, | Slp. Mary Emma, | 10 | April 28, 1915 | 1 yr. | 15 00 |
| 213 | Blackman, Smith S., | Port Norris, | Schr. A. and E. Blackman, | 23 | April 11, 1915 | 1 yr. | 34 50 |
| 219 | Bornhorst, August, | Port Norris, | Schr. Fquette Bornhorst, | 17 | April 26, 1915 | 1 yr. | 25 50 |
| 250 | Bradford, Lemuel, | Newport, | Schr. Samuel C. Lake, | 26 | April 1, 1916 | 1 yr. | 39 00 |
| 332 | Bailey, A. J., | Port Norris, | Schr. C. W. and S. Peace, | 21 | April 1, 1915 | 1 yr. | 31 50 |
| 349 | Bell, John H., | Newport, | Ga. St. Mattie B. Sheppard, | 14 | Mar. 24, 1915 | 1 yr. | 21 00 |
| 357 | Berry, Walter J., | Port Norris, | Slp. Maud M. Robbins, | 14 | April 5, 1915 | 1 yr. | 21 00 |
| 450 | Brand, Robert L., | Fairton, | Schr. Mattie P. Flavelle, | 33 | Mar. 25, 1915 | 1 yr. | 49 50 |
| 473 | Bowker, Charles, | Dividing Creek, | Schr. Helen and Sallie, | 16 | April 1, 1915 | 1 yr. | 24 00 |
| 560 | Banks, Roy, | Cedarville, | Slp. E. S. Corson, | Under | May 1, 1915 | 1 yr. | 10 00 |
| 562 | Blizzard, George M., | Cedarville, | Slp. Samuel Hanners, | 10 | April 26, 1915 | 1 yr. | 15 00 |
| 588 | Bowker, Thomas, | Port Norris, | Schr. Village Belle, | 21 | April 29, 1915 | 1 yr. | 31 50 |
| 16 | Clark, Joshua, | Port Norris, | Schr. Jeremiah N. Ogden, | 35 | Dec. 16, 1914 | 1 yr. | 52 50 |
| 34 | Campbell, Clement L., | Bridgeton, | Schr. M. D. and Belle Mulford, | 30 | Mar. 22, 1915 | 1 yr. | 45 00 |
| 43 | Conahay, George R., | Port Norris, | Schr. William Dennis, | 18 | April 12, 1915 | 1 yr. | 27 00 |
| 73 | Cartright, Walter, | Camden, | Slp. Mayflower, | 9 | May 1, 1915 | 1 yr. | 13 50 |
| 75 | Cosier, Lucius E., | Newport, | Schr. Valentine Cosier, | 26 | Mar. 31, 1915 | 1 yr. | 39 00 |
| 93 | Clark, William W., | Port Norris, | Schr. Delaware, | 18 | April 30, 1915 | 1 yr. | 27 00 |
| 110 | Campbell, Winfield A., | Bivalve, | Schr. Bay Queen, | 19 | Mar. 24, 1915 | 1 yr. | 28 50 |
| 133 | Campbell, Walter, | Port Norris, | Schr. Daniel M. Bateman, | 18 | April 1, 1915 | 1 yr. | 27 00 |
| 137 | Chew, William V., | Port Norris, | Schr. J. W. Fennimore, | 15 | April 20, 1915 | 1 yr. | 22 50 |

BOARD OF SHELL FISHERIES.

BOAT LICENSES—DEPARTMENT OF MAURICE RIVER COVE—Continued.

| No. of License. | MASTER. | ADDRESS. | Kind and Name of Boat. | Tonn. | Date. | Term. | Amount. |
|-----------------|-----------------------|---------------|-------------------------------|-------|----------------|-------|---------|
| 139 | Chester, Cornelius, | Heislerville, | Slp. A. E. Andrews, | 10 | April 13, 1915 | 1 yr. | \$15 00 |
| 147 | Cox, Raymond, | Cedarville, | Schr. Sarah C. Lee, | 13 | April 1, 1915 | 1 yr. | 19 50 |
| 168 | Corson, Dudley, | Port Norris, | Slp. Robert Lambden, | 9 | April 11, 1915 | 1 yr. | 13 50 |
| 180 | Cain, Ellis L., | Port Norris, | Schr. Marian Mayne, | 16 | Mar. 31, 1915 | 1 yr. | 24 00 |
| 191 | Cruise, Benjamin B., | Mauricetown, | Ga. St. Araminta, | 27 | April 1, 1915 | 1 yr. | 40 50 |
| 218 | Campbell, Wilson A., | Newport, | Schr. Imelda Campbell, | 30 | April 1, 1915 | 1 yr. | 45 00 |
| 227 | Campbell, Peter, | Newport, | Schr. Mary W. Mears, | 33 | April 19, 1915 | 1 yr. | 49 50 |
| 241 | Campbell, Philip F., | Newport, | Schr. Sarah A. Melson, | 28 | Mar. 29, 1915 | 1 yr. | 39 00 |
| 262 | Clark, John, | Port Norris, | Slp. Water Lily, | 12 | Jan. 1, 1915 | 1 yr. | 18 00 |
| 325 | Chance, Eli W., | Mauricetown, | Ga. St. John E. Mehrer, | 25 | April 28, 1915 | 1 yr. | 37 50 |
| 366 | Conahay, Edward, | Port Norris, | Schr. Frances L. Dow, | 16 | Mar. 31, 1915 | 1 yr. | 24 00 |
| 411 | Covert, Charles A., | Leesburg, | Schr. Harry and Charlie, | 15 | April 1, 1915 | 1 yr. | 22 50 |
| 426 | Campbell, Stetson L., | Port Norris, | Schr. Sunlight, | 26 | April 5, 1915 | 1 yr. | 39 00 |
| 427 | Cox, Champion H., | Leesburg, | Ga. St. Harry and Willie, | 14 | April 1, 1915 | 1 yr. | 21 00 |
| 459 | Cobb, James, | Port Norris, | Schr. Forest G. Howell, | 23 | Mar. 30, 1915 | 1 yr. | 34 50 |
| 479 | Crossley, George B., | Newport, | Schr. Bicycle, | 16 | Mar. 31, 1915 | 1 yr. | 24 00 |
| 55 | Daniels, David B., | Bridgeton, | Schr. Mary and Margaret, | 21 | April 3, 1915 | 1 yr. | 31 50 |
| 135 | Donnelly, Lorenzo G., | Heislerville, | Schr. T. O. Ladow, | 24 | April 27, 1915 | 1 yr. | 36 00 |
| 475 | Dolson, Ferdinand, | Cedarville, | Slp. Mary E. Adams, | 10 | April 19, 1915 | 1 yr. | 15 00 |
| 15 | Emerson, Horatio, | Cedarville, | Schr. Richard Vaux, | 24 | April 18, 1915 | 1 yr. | 36 00 |
| 49 | Erickson, Samuel W., | Leesburg, | Schr. Florence Erickson, | 38 | April 2, 1915 | 1 yr. | 57 00 |
| 154 | Eyans, Norman, | Millville, | Schr. Alice and Mary, | 20 | April 1, 1915 | 1 yr. | 30 00 |
| 179 | Ernest, Washington, | Millville, | Slp. Trader, | 12 | April 30, 1915 | 1 yr. | 18 00 |
| 186 | Eagen, John, | Bivalve, | Schr. William E. James, | 42 | April 20, 1915 | 1 yr. | 63 00 |
| 337 | Eyans, Edgar L., | Millville, | Schr. Boyd N. Sheppard, | 32 | April 1, 1915 | 1 yr. | 48 00 |
| 14 | Flynn, John, | Camden, | Ga. St. M. A. Howlett, | 31 | April 12, 1915 | 1 yr. | 46 50 |
| 70 | Fisher, John, | Millville, | Slp. Sallie R. A., | 14 | April 1, 1915 | 1 yr. | 21 00 |
| 72 | Ferns, John, | Greenwich, | Schr. Annie E. Shillingsburg, | 45 | April 12, 1915 | 1 yr. | 67 50 |
| 114 | Fauver, William, Jr., | Heislerville, | Slp. George W. Jackson, | 10 | April 1, 1915 | 1 yr. | 15 00 |
| 183 | Foster, John, | Newport, | Slp. Dart, | 11 | April 29, 1915 | 1 yr. | 16 50 |
| 266 | Ferguson, Leo, | Leesburg, | Schr. Steelman R. Lee, | 17 | April 1, 1915 | 1 yr. | 25 50 |
| 392 | Fidler, Frank, | Dennisville, | Schr. Martha Ann, | 18 | Mar. 30, 1915 | 1 yr. | 27 00 |
| 406 | Fisher, Charles, | Port Norris, | Slp. H. H. Mulford, | 16 | April 1, 1915 | 1 yr. | 24 00 |
| 20 | Garrison, Daniel C., | Heislerville, | Slp. Olive Mulford, | 12 | Mar. 25, 1915 | 1 yr. | 18 00 |
| 88 | Gandy, Miles, | Cedarville, | Schr. Laura M. Buckson, | 28 | April 1, 1915 | 1 yr. | 42 00 |
| 131 | Garrison, Charles, | Bridgeton, | Schr. Anna and Marie, | 14 | April 29, 1915 | 1 yr. | 21 00 |
| 161 | Gaskill, Elcana, | Port Norris, | Ga. St. Linda M. Sockwell, | 42 | April 15, 1915 | 1 yr. | 63 00 |
| 238 | Garrison, Austin, | Bridgeton, | Slp. Hattie Nelson, | Under | April 10, 1915 | 1 yr. | 10 00 |
| 268 | Green, Socrates, | Port Norris, | Slp. Shamrock, | 11 | April 27, 1915 | 1 yr. | 16 50 |
| 300 | Gaskill, Edward, | Port Norris, | Ga. St. Samuel C. Jacoby, | 33 | Jan. 1, 1915 | 1 yr. | 49 50 |
| 341 | Gates, James, | Newport, | Schr. North Star, | 25 | April 6, 1915 | 1 yr. | 37 50 |

BOAT LICENSES—DEPARTMENT OF MAURICE RIVER COVE—Continued.

| No. of License. | MASTER. | ADDRESS. | Kind and Name of Boat. | Tonn. | Date. | Term. | Amount. |
|-----------------|----------------------|-----------------|---------------------------|-------|----------------|-------|---------|
| 400 | Goff, Oliver, | Heislerville, | Ga. St. Anna W. Neal, | 16 | Mar. 29, 1915 | 1 yr. | \$24 00 |
| 458 | Gaskill, Jesse P., | Port Norris, | Ga. St. H. H. Lippincott, | 27 | April 1, 1915 | 1 yr. | 40 50 |
| 10 | Hannon, Otto, | Cedarville, | Schr. Almedia, | 21 | April 1, 1915 | 1 yr. | 31 50 |
| 28 | Harris, Joseph, | Cedarville, | Slp. Ernestine, | Under | May 15, 1915 | 1 yr. | 10 00 |
| 39 | Hand, James, | Dennisville, | Slp. A. M. Parris, | Under | Mar. 31, 1915 | 1 yr. | 10 00 |
| 44 | Hager, Sherman, | Port Norris, | Ga. St. Annie Hodges, | 39 | April 21, 1915 | 1 yr. | 58 50 |
| 57 | Hillman, Charles, | Leesburg, | Schr. Scarborough, | 34 | April 22, 1915 | 1 yr. | 51 00 |
| 79 | Hignutt, Frank, | Port Norris, | Schr. William C. Lore, | 31 | April 1, 1915 | 1 yr. | 46 50 |
| 90 | Harris, Samuel, | Port Norris, | Slp. Minnie M. North, | 7 | Mar. 14, 1915 | 1 yr. | 10 50 |
| 98 | Hopman, Frank, | Cedarville, | Schr. Maggie and Ruth, | 7 | May 1, 1915 | 1 yr. | 10 50 |
| 155 | Hoffman, Silas, | Port Norris, | Schr. Ellanora, | 33 | April 28, 1915 | 1 yr. | 49 50 |
| 216 | Hunter, Aaron S., | Haleyville, | Slp. Frank V. Bateman, | 10 | April 1, 1915 | 1 yr. | 15 00 |
| 235 | Hasher, Henry, | Bridgeton, | Slp. Warren R. Miller, | 10 | Jan. 20, 1915 | 1 yr. | 15 00 |
| 229 | Hand, Harrison, | Port Norris, | Slp. Gypsy, | 16 | Mar. 31, 1915 | 1 yr. | 24 00 |
| 236 | Harrington, Gerald, | Port Norris, | Schr. J. Calhoun Johnson, | 26 | April 28, 1915 | 1 yr. | 39 00 |
| 239 | Hoffman, William, | Leesburg, | Schr. Carey, | 31 | April 1, 1915 | 1 yr. | 46 50 |
| 246 | Henderson, George, | Millville, | Slp. Emie, | Under | April 30, 1915 | 1 yr. | 10 00 |
| 335 | Hollinger, Harrison, | Port Norris, | Schr. Gratitude, | 23 | April 20, 1915 | 1 yr. | 34 50 |
| 430 | Hasher, Lummis, | Port Norris, | Ga. St. Mary and Ida, | 10 | April 28, 1915 | 1 yr. | 15 00 |
| 485 | Hanners, McClellan, | Newport, | Schr. H. L. Steelman, | 19 | April 16, 1915 | 1 yr. | 23 50 |
| 585 | Holmes, Edward, | Pierces, | Slp. Friendly, | 17 | April 29, 1915 | 1 yr. | 25 50 |
| 69 | Joslin, Harrison, | Newport, | Schr. Paul C. Joslin, | 30 | April 1, 1915 | 1 yr. | 45 00 |
| 71 | Johnson, Charles F., | Cedarville, | Schr. Elsie M. Kiechert, | 18 | Nov. 1, 1915 | 1 yr. | 27 00 |
| 74 | Johnson, Charles W., | Newport, | Schr. Cashier, | 24 | Nov. 1, 1914 | 1 yr. | 36 00 |
| 228 | Johnson, George W., | Pierces, | Slp. Cristina, | 8 | April 25, 1915 | 1 yr. | 12 00 |
| 532 | Jenkins, William, | Dividing Creek, | Slp. Rhoda and Edith, | Under | April 30, 1915 | 1 yr. | 10 00 |
| 319 | Johnson, Frank, | Greenwich, | Schr. Mary J. Howlett, | 27 | Mar. 31, 1915 | 1 yr. | 40 50 |
| 21 | Loper, Berlah, | Dividing Creek, | Schr. William Veale, | 35 | Jan. 2, 1915 | 1 yr. | 52 50 |
| 36 | Lodge, Frank, | Greenwich, | Schr. Elmira E. Schoch, | 24 | April 28, 1915 | 1 yr. | 36 00 |
| 38 | Lodge, James, | Greenwich, | Schr. Beatrice, | 22 | April 28, 1915 | 1 yr. | 33 00 |
| 63 | Lee, Maurice R., | Port Norris, | Schr. Rebie and Ella, | 14 | April 22, 1915 | 1 yr. | 21 00 |
| 87 | Lee, Uriah S., | Leesburg, | Schr. Three Sisters, | 23 | April 20, 1915 | 1 yr. | 34 50 |
| 129 | Laws, Lake, | Dividing Creek, | Schr. Dawning Light, | 23 | April 30, 1915 | 1 yr. | 34 50 |
| 130 | Lynch, William, | Greenwich, | Schr. Philip Ford, | 32 | April 9, 1915 | 1 yr. | 48 00 |
| 207 | Lee, Harry M., | Port Norris, | Schr. David R. Lake, | 24 | Mar. 28, 1915 | 1 yr. | 36 00 |
| 221 | Lee, Steelman R., | Leesburg, | Schr. Charles I. Covert, | 33 | Jan. 1, 1915 | 1 yr. | 49 50 |
| 253 | Lee, Frank V., | Leesburg, | Slp. Belle J. Trout, | 10 | Mar. 31, 1915 | 1 yr. | 15 00 |
| 267 | Lee, Samuel, | Leesburg, | Slp. Thomas S. Lee, | 12 | April 27, 1915 | 1 yr. | 18 00 |
| 285 | Land, Gerges, | Port Norris, | Slp. Pilot, | Under | April 1, 1915 | 1 yr. | 10 00 |
| 385 | Ludlam, Henry, | Pierces, | Slp. Eva, | Under | May 4, 1915 | 1 yr. | 10 00 |
| 583 | Lake, Samuel C., | Port Norris, | Slp. Mail, | 13 | April 1, 1915 | 1 yr. | 19 50 |

BOAT LICENSES—DEPARTMENT OF MAURICE RIVER COVE—Continued.

| No. of License. | MASTER. | ADDRESS. | Kind and Name of Boat. | Tonn. | Date. | Term. | Amount. |
|-----------------|-----------------------|----------------|--------------------------|-------|---------------------------------|-------|---------|
| 17 | Moore, Thomas | Port Norris | Schr. L. E. Yates | 37 | Mar. 18, 1915 | 1 yr. | \$55 50 |
| 45 | Moffett, James | Greenwich | Schr. Peter R. Paynter | 25 | April 1, 1915 | 1 yr. | 37 50 |
| 99 | Moore, S. Kelsey | Fairton | Schr. Robert Bould | 30 | April 24, 1915 | 1 yr. | 45 00 |
| 102 | Moore, Hamilton | Dividing Creek | Schr. Josiah S. Newcomb | 32 | April 30, 1915 | 1 yr. | 48 00 |
| 116 | Mulford, Elmer D. | Bridgeton | Ga. St. Sarah M. Mulford | 20 | April 4, 1915 | 1 yr. | 30 00 |
| 204 | Meerwald, Augustus J. | Dennisville | Schr. Martha Meerwald | 27 | April 30, 1915 | 1 yr. | 40 50 |
| 209 | Mulford, Ernest L. | Cedarville | Schr. Ephraim Mulford | 33 | Mar. 28, 1915 | 1 yr. | 49 50 |
| 279 | Moore, Oscar | Port Norris | Schr. Joseph L. Mulford | 34 | April 30, 1915 | 1 yr. | 51 00 |
| 306 | Moore, Judson | Port Norris | Schr. Julia A. Newcomb | 33 | Apr. 26, '15, to Sept. 17, 1915 | ..... | 49 50 |
| 357 | McDaniels, Howard | Leesburg | Slp. William J. Bryan | 13 | April 1, 1915 | 1 yr. | 19 50 |
| 384 | Messick, Claude | Bivalve | Slp. Ann Virginia | 12 | Dec. 18, 1914 | 1 yr. | 18 00 |
| 26 | Newcomb, William B. | Newport | Schr. Emma F. Newcomb | 33 | April 2, 1915 | 1 yr. | 49 50 |
| 121 | Nickelson, Alfred | Bivalve | Slp. Little Thelma | 33 | May 1, 1915 | 1 yr. | 5 00 |
| 144 | Nickelson, Henry C. | Port Norris | Ga. St. Alma and Alvin | 41 | Feb. 17, 1915 | 1 yr. | 61 50 |
| 146 | Nugent, Lorenzo | Millville | Slp. John S. Johnson | 13 | April 29, 1915 | 1 yr. | 19 50 |
| 281 | Newcomb, B. O. | Newport | Slp. Mary A. Bickley | 13 | April 1, 1915 | 1 yr. | 19 50 |
| 317 | Newcomb, Geo. M. D. | Newport | Schr. Tidal Wave | 30 | Mar. 22, 1915 | 1 yr. | 45 00 |
| 376 | Nickerson, Harry E. | Port Norris | Slp. Grace | 11 | Mar. 31, 1915 | 1 yr. | 16 50 |
| 377 | Newcomb, Adrian B. | Newport | Schr. James P. Nieuirk | 25 | Mar. 28, 1915 | 1 yr. | 37 50 |
| 35 | Ogden, Columbus | Greenwich | Schr. Grover Cleveland | 32 | Mar. 26, 1915 | 1 yr. | 45 00 |
| 89 | O'Hara, Harry | Port Norris | Schr. Frank and Theresa | 25 | April 1, 1915 | 1 yr. | 37 50 |
| 193 | Orr, Mark L. | Dividing Creek | Slp. Ola H. | Under | April 19, 1915 | 1 yr. | 10 00 |
| 1 | Peterson, Charles S. | Newport | Schr. C. W. Hand | 36 | April 30, 1915 | 1 yr. | 54 00 |
| 6 | Pepper, Jacob | Dividing Creek | Schr. Falcon | 21 | April 3, 1915 | 1 yr. | 31 50 |
| 27 | Polhamus, B. F. | Vineland | Slp. Lizzie May | 10 | May 9, 1915 | 1 yr. | 15 00 |
| 51 | Peterson, Aaron | Newport | Slp. Pearl and Lela | 10 | April 26, 1915 | 1 yr. | 15 00 |
| 117 | Polhamus, William | Vineland | Ga. St. Marcie | Under | April 28, 1915 | 1 yr. | 10 00 |
| 189 | Polhamus, Oscar | Leesburg | Slp. Lottie and Bertie | Under | May 1, 1915 | 1 yr. | 10 00 |
| 200 | Petersen, John C. | Greenwich | Schr. C. J. Peterson | 37 | April 3, 1915 | 1 yr. | 55 50 |
| 224 | Petit, Charles | Bivalve | Schr. Elvina English | 27 | April 21, 1915 | 1 yr. | 40 50 |
| 298 | Pickering, George | Greenwich | Schr. John Guyant | 36 | Mar. 19, 1915 | 1 yr. | 54 00 |
| 318 | Peterson, James | Port Norris | Schr. Nellie and Mary | 21 | April 2, 1915 | 1 yr. | 31 50 |
| 451 | Pierce, William H. | Dorchester | Slp. Excel | 8 | April 23, 1915 | 1 yr. | 12 00 |
| 2 | Riggin, Walter C. | Port Norris | Ga. St. Addie S. Riggin | 29 | April 1, 1915 | 1 yr. | 43 50 |
| 9 | Riggin, Edward | Port Norris | Schr. Rosa Lambert | 25 | April 3, 1915 | 1 yr. | 37 50 |
| 50 | Robbins, George | Port Norris | Schr. Richard Robbins | 26 | April 1, 1915 | 1 yr. | 39 00 |
| 60 | Robbinson, Silas | Dividing Creek | Schr. Helen and Rhodella | 33 | April 28, 1915 | 1 yr. | 49 50 |
| 67 | Robbins, Joseph S. | Dividing Creek | Slp. Treasurer | 10 | April 30, 1915 | 1 yr. | 15 00 |
| 115 | Robinson, Edgar | Bivalve | Slp. Melvin Bailey | Under | April 30, 1915 | 1 yr. | 10 00 |
| 125 | Robbins, Edward C. | Haleyville | Schr. Lizzie J. Robbins | 16 | April 7, 1915 | 1 yr. | 24 00 |

BOARD OF SHELL FISHERIES.

BOAT LICENSES—DEPARTMENT OF MAURICE RIVER COVE—Continued.

| No. of License. | MASTER. | ADDRESS. | Kind and Name of Boat. | Tonn. | Date. | Term. | Amount. |
|-----------------|---------------------|-------------|--------------------------|-------|--------------------------------|-------|---------|
| 167 | Robbins, Wilbert H. | Port Norris | Slp. Nancy L. Coster | 14 | April 1, 1915 | 1 yr. | \$21 00 |
| 172 | Robbins, David, Sr. | Port Norris | Schr. Addie B. Robbins | 35 | Mar. 28, 1915 | 1 yr. | 52 50 |
| 210 | Rowley, L. Bates | Port Norris | Schr. Daniel Sharp | 20 | April 18, 1915 | 1 yr. | 30 00 |
| 240 | Reed, John | Port Norris | Schr. William H. Berry | 27 | April 2, 1915 | 1 yr. | 40 50 |
| 251 | Riggin, Charles M. | Port Norris | Slp. Starlight | 18 | April 1, 1915 | 1 yr. | 27 00 |
| 310 | Roë, J. Wesley | Dorchester | Schr. Jennie Reeves | 15 | Mar. 31, 1915 | 1 yr. | 22 50 |
| 345 | Robbins, Levi | Port Norris | Schr. Hattie B. Robbins | 18 | April 8, 1915 | 1 yr. | 27 00 |
| 388 | Rahr, David W. | Bricksboro | Slp. Helen Hurd | 12 | April 7, 1915 | 1 yr. | 18 00 |
| 394 | Riggin, Jacob | Port Norris | Schr. Sylvester Dell | 14 | April 2, 1915 | 1 yr. | 21 00 |
| 403 | Randolph, Andrew | Port Norris | Schr. Walter H. Hinson | 15 | Mar. 31, 1915 | 1 yr. | 22 50 |
| 416 | Randolph, George W. | Leesburg | Schr. Ward B. Smith | 19 | Mar. 26, 1915 | 1 yr. | 28 50 |
| 8 | Sutton, Harry W. | Leesburg | Schr. Lucy and Willie | 17 | April 1, 1915 | 1 yr. | 25 50 |
| 23 | Sheppard, Lewis F. | Cedarville | Schr. Mary F. Sheppard | 32 | Nov. 13, 1914 | 1 yr. | 48 00 |
| 30 | Sutton, Clarence | Bridgeton | Schr. John S. Myers | 25 | Mar. 19, 1915 | 1 yr. | 37 50 |
| 40 | Sharp, Zadok, Sr. | Leesburg | Schr. Virginia | 31 | Mar. 28, 1915 | 1 yr. | 46 50 |
| 59 | Sharp, Zadok, Jr. | Leesburg | Ga. St. Edna and Zadok | 10 | Nov. 4, 1914 | 1 yr. | 15 00 |
| 91 | Sutter, John | Port Norris | Schr. Effie E. Mace | 10 | April 1, 1915 | 1 yr. | 15 00 |
| 101 | Swank, David | Bivalve | Slp. Eva M. Robbins | 7 | April 1, 1915 | 1 yr. | 10 50 |
| 119 | Sutter, Harry | Port Norris | Slp. Mary L. Robbins | 15 | Mar. 31, 1915 | 1 yr. | 22 50 |
| 122 | Shropshire, Edward | Haleyville | Schr. James H. Nixon | 32 | April 11, 1915 | 1 yr. | 48 00 |
| 136 | Sutter, Jacob | Port Norris | Schr. Volunteer | 10 | Nov. 20, '14, to April 2, 1915 | ..... | 15 00 |
| 160 | Shull, Roscoe | Port Norris | Schr. Luther Bateman | 34 | Nov. 20, '14, to April 2, 1915 | ..... | 51 00 |
| 174 | Shull, John L. | Newport | Schr. Annie A. Crosswell | 40 | Nov. 23, '14, to April 2, 1915 | ..... | 60 00 |
| 185 | Shaw, Howard | Leesburg | Slp. Helen F. Leaming | 15 | Mar. 31, '14, to April 2, 1915 | ..... | 22 50 |
| 214 | Stites, Gilbert | Dragston | Slp. John Buzby | 12 | April 1, '14, to April 2, 1915 | ..... | 18 00 |
| 215 | Smith, Henry C. | Newport | Schr. Robert T. Lore | 33 | Mar. 22, '14, to April 2, 1915 | ..... | 49 50 |
| 244 | Sutter, Jacob | Port Norris | Slp. Annie | 18 | Apr. 30, '14 to April 2, 1915 | ..... | 27 00 |
| 283 | Sutton, Ernest | Bridgeton | Schr. Walter M. Johnson | 25 | Mar. 26, '14, to April 2, 1915 | ..... | 37 50 |
| 290 | Spencer, Elmer | Newport | Slp. Blackbird | Under | Mar. 28, '14, to April 2, 1915 | ..... | 10 00 |
| 302 | Smith, Seth S. | Leesburg | Slp. Hattie W. Mills | 14 | Mar. 31, 1915 | 1 yr. | 21 00 |
| 315 | Sharp, John T. | Port Norris | Schr. Rebecca Brunyate | 21 | Mar. 22, 1915 | 1 yr. | 31 50 |
| 320 | Stites, Nathan | Millville | Schr. Perseverance | 21 | Mar. 25, 1915 | 1 yr. | 31 50 |

BOARD OF SHELL FISHERIES.

BOAT LICENSES—DEPARTMENT OF MAURICE RIVER COVE—Continued.

| No. of License. | MASTER. | ADDRESS. | Kind and Name of Boat. | Tonn. | Date. | Term. | Amount. |
|-----------------|--------------------------------|-----------------------|---------------------------------|-------|--------------------------------|-------|---------|
| 344 | Sutton, Ralph, | Leesburg, | Slp. Hunter, | 14 | April 27, 1915 | 1 yr. | \$21 00 |
| 418 | Sharp, John W., | Leesburg, | Slp. Laura G., | 13 | Mar. 26, 1915 | 1 yr. | 19 50 |
| 468 | Sharpless, John, | Millville, | Schr. Mary C. Sharpless, | 21 | Mar. 30, 1915 | 1 yr. | 31 50 |
| 29 | Tarburton, Elmer E., | Greenwich, | Schr. Neil Johnson, | 39 | April 30, 1915 | 1 yr. | 58 50 |
| 65 | Townsend, Stacy, | Leesburg, | Slp. Claude, | 11 | April 28, 1915 | 1 yr. | 16 50 |
| 94 | Tweed, John, | Greenwich, | Ga. St. Anna M. Frome, | 45 | April 25, 1915 | 1 yr. | 67 50 |
| 184 | Turner, Charles, | Newport, | Schr. Phoebe B. Townsend, | 26 | Mar. 22, 1915 | 1 yr. | 39 00 |
| 269 | Tozour, Charles, | Delmont, | Slp. Jennie M. Chance, | 14 | May 1, 1915 | 1 yr. | 21 00 |
| 328 | Taylor, D. O., | Port Norris, | Slp. J. S. Penney, | 14 | April 27, 1915 | 1 yr. | 21 00 |
| 378 | Turner, William S., | Dividing Creek, | Slp. C. and H. Elmer, | 11 | April 12, 1915 | 1 yr. | 16 50 |
| 391 | Turpin, Howard, | Mauricetown, | Slp. Fawn, | 12 | Mar. 28, 1915 | 1 yr. | 18 00 |
| 436 | VanVliet, William, | Newport, | Slp. James H. Turner, | 10 | April 1, 1915 | 1 yr. | 15 00 |
| 48 | Williams, Whitefield, | Heislerville, | Schr. Sarah T. Sharp, | 17 | April 29, 1915 | 1 yr. | 25 50 |
| 92 | Westcott, George H., | Fairton, | Schr. John H. Orr, | 27 | April 20, 1915 | 1 yr. | 40 50 |
| 100 | Warren, Harry, | Bridgeton, | Ga. St. George S. Crippa, | 43 | Nov. 21, 1914 | 1 yr. | 64 50 |
| 112 | Windfohr, Arthur, | Bivalve, | Slp. Thelma, | 13 | April 28, 1915 | 1 yr. | 19 50 |
| 147 | Willis, Frank, | Cedarville, | Schr. Sarah C. Lee, | 13 | Nov. 7, '14, to April 1, 1915 | ..... | 19 50 |
| 208 | Whilden, Somers H., | Mauricetown, | Schr. Anna M. Newcomb, | 24 | Mar. 28, '14, to April 1, 1915 | ..... | 36 00 |
| 211 | Weldon, William H., | Newport, | Schr. George W. Crist, | 21 | April 1, '14, to April 1, 1915 | ..... | 31 50 |
| 173 | Whilden, Edward, | Heislerville, | Schr. Gen. McClellan, | 23 | Mar. 19, '14, to April 1, 1915 | ..... | 34 50 |
| 237 | Willing, Chester, | Port Norris, | Schr. Mary J. Robbins, | 23 | April 1, '14, to April 1, 1915 | ..... | 34 50 |
| 272 | Weldon, William H., Jr., | Newport, | Schr. May Bateman, | 16 | Mar. 27, '14, to April 1, 1915 | ..... | 24 00 |
| 340 | Wallen, David, | Fairton, | Schr. A. E. Whitaker, | 20 | Mar. 30, '14, to April 1, 1914 | ..... | 30 00 |

BOARD OF SHELL FISHERIES.

BOAT LICENSES—RARITAN BAY.

| No. of License. | MASTER. | ADDRESS. | Kind and Name of Boat. | Tonn. | Date. | Term. | Amount. |
|-----------------|---------------------------|----------------|--------------------------------|--------|---------------|-------|---------|
| 6 | Hammer, James L., | Keyport, | Skiff No. 6, | Tong'g | July 21, 1915 | 1 yr. | \$5 00 |
| 7 | Hammer, James L., | Keyport, | Skiff No. 7, | Tong'g | July 21, 1915 | 1 yr. | 5 00 |
| 8 | Hammer, James L., | Keyport, | Skiff No. 8, | Tong'g | July 21, 1915 | 1 yr. | 5 00 |
| 19 | Post, Garrett E., | Keyport, | Ga. St. L. J. Callahan, | 7 | July 21, 1915 | 1 yr. | 10 50 |
| 20 | Mason, John W., | Keyport, | Skiff No. 20, | Tong'g | July 21, 1915 | 1 yr. | 5 00 |
| 32 | Maurer, William, | Keyport, | Skiff No. 32, | Tong'g | July 21, 1915 | 1 yr. | 5 00 |
| 37 | Wooley, William E., | Keyport, | Skiff No. 37, | Tong'g | July 21, 1915 | 1 yr. | 5 00 |
| 38 | Wooley, William E., | Keyport, | Skiff No. 38, | Tong'g | July 21, 1915 | 1 yr. | 5 00 |
| 39 | Wooley, William E., | Keyport, | Skiff No. 39, | Tong'g | July 21, 1915 | 1 yr. | 5 00 |
| 40 | Wooley, William E., | Keyport, | Skiff No. 40, | Tong'g | July 21, 1915 | 1 yr. | 5 00 |
| 41 | Wooley, William E., | Keyport, | Ga. St. Alonzo E. Smith, | 18 | July 21, 1915 | 1 yr. | 27 00 |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | |
|----------------------------|-----------------|------------|----------|------------------|---------------|-------|-------------|---------|---|-------------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. |
| Adams, Chas. W., | Millville, | ** | 44 | \$22 00 | June 20, 1915 | 1 yr. | | | | |
| Adams, J. Wesley, | Port Norris, | 1 | 44 | *10 00 | June 20, 1915 | 1 yr. | | 226-174 | 68 | |
| Adams & Cobb, | Port Norris, | 2 | 35 | 13 00 | June 20, 1915 | 1 yr. | | | | 495 |
| Allen, Edward H., | Bivalve, | 5 | 26 | 14 00 | June 20, 1915 | 1 yr. | | 228 | 316 | |
| Anderson & Messick, | Port Norris, | 4 | 28 | 18 00 | June 20, 1915 | 1 yr. | | | 610 | |
| Bailey, Lafayette, | Dividing Creek, | 45 | 36 | 8 50 | June 20, 1915 | 1 yr. | | | | 279 |
| Bailey & Dilks, | Port Norris, | 44 | 17 | *32 00 | June 20, 1915 | 1 yr. | | | 248 | |
| Bailey & Peace, | Port Norris, | 46 | 58 | 5 00 | June 20, 1915 | 1 yr. | | | | 591 |
| Baker, William, | Haleyville, | 14 | 6 | *17 50 | June 20, 1915 | 1 yr. | 118 | | | |
| Baker, Baker & Sutter, | Haleyville, | 52 | 25 | 58 50 | June 20, 1915 | 1 yr. | 122 | | | |
| Bateman, J. Roberts, | Mauricetown, | 23 | 117 | | June 20, 1915 | 1 yr. | 279 | | 548-114 | |
| Bateman, Luther, | Newport, | 30 | 361 | *196 50 | June 20, 1915 | 1 yr. | 264 | 250 | 343-354-556- 516-403 73-266-451- 544-459-447- 264-265 | 575-544 |
| Bateman, Moses & Claude, | Mauricetown, | 21 | 34 | *20 50 | June 20, 1915 | 1 yr. | 281 | | | 266 |
| Bateman, Rebecca B., Est., | Newport, | 32 | 54 | 27 00 | June 20, 1915 | 1 yr. | | | 72-267 | 112 |
| Bateman & Bateman, | Cedarville, | 29 | 85 | 42 50 | June 20, 1915 | 1 yr. | | | 618-251-110- 323 | |
| Bateman & Blizzard, | Port Norris, | 24 | 224 | 112 00 | June 20, 1915 | 1 yr. | 167 | 104-158 | 632 | 148-311-481 |
| Bateman & Blizzard, | Port Norris, | 9 | 23 | 11 50 | June 20, 1915 | 1 yr. | 162 | | | |
| Bateman & Burt, | Cedarville, | 25 | 214 | 107 00 | June 20, 1915 | 1 yr. | | 242 | 254-433-275- 273 | 450-502 |
| Bateman, Diamant & Elmer, | Cedarville, | 26 | 222 | 111 00 | June 20, 1915 | 1 yr. | | | 448-112-499- 355-327-270- 268 | 158-426 |
| Bateman & Emerson, | Cedarville, | 27 | 119 | *61 50 | June 20, 1915 | 1 yr. | 148 | | 493-166-167 | 30-513 |
| Bateman & Gandy, | Cedarville, | 22 | 18 | 9 00 | June 20, 1915 | 1 yr. | | | | 360 |
| Bateman & Swing, | Cedarville, | 28 | 9 | 5 00 | June 20, 1915 | 1 yr. | | | | 77 |
| Bateman & Turner, | Newport, | 33 | 45 | 22 50 | June 20, 1915 | 1 yr. | | | | 180 |
| Bateman & Weldon, | Newport, | 31 | 72 | *35 50 | June 20, 1915 | 1 yr. | | | 251 | 136-321 |
| Bell, George C., Jr., | Bivalve, | 12 | 48 | 24 00 | June 20, 1915 | 1 yr. | | 230 | 531 | 40 |

** No lease for 1915. Paid \$1.50 (Arrears on Ground No. 436 C for year 1914, Vacated June, 1914). Correction by Survey.

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | |
|------------------------------|-----------------|------------|----------|------------------|---------------------------------|-------|-------------|---------------------|---|----------------------------------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. |
| Bell, George C., Sr., | Newport, | 11 | 88 | *\$43 50 | June 20, 1915 | 1 yr. | 242 | 276 | | 427-310-402 |
| Bell, George C., | Newport, | 7 | 10 | 5 00 | Nov. 18, 1914 to Ju. 20, '15 | | | 189 | | |
| Bell & Bell, | Newport, | 10 | 20 | 10 00 | May 17, 1915 to Ju. 20, '15 | | 215 | | | |
| Bell & Lake, | Port Norris, | 33 | 22 | 11 00 | Feb. 2, 1915 to Ju. 20, '15 | | | | | 32 |
| Berry, Henry A., | Port Norris, | 50 | 61 | 30 50 | June 20, 1915 | 1 yr. | 173 | 90 | 369-471 | |
| Berry, H. A., & Walter, Jr., | Port Norris, | 49 | 27 | 13 50 | June 20, 1915 | 1 yr. | | | 509 | |
| Berry Stultz, | Port Norris, | 51 | 266 | 133 00 | June 20, 1915 | 1 yr. | 176-181-288 | 213 | 542-510-371- 218-413 | 145-431-508 |
| Berry, Chas. & Philip, | Port Norris, | 47 | 105 | 52 50 | June 20, 1915 | 1 yr. | | 117 | 209-370-501 | 95 |
| Berry, William H., | Port Norris, | 48 | 212 | *107 50 | June 20, 1915 | 1 yr. | 224-225 | 160-241-245- 246 | 485-195-378- 472 | 179-223- 210-244 |
| Blackman & Blackman, | Port Norris, | 37 | 193 | *97 00 | June 20, 1915 | 1 yr. | | 236 | 342-340 | 94-532-564 |
| Blizzard, George M., | Cedarville, | 34 | 22 | 11 00 | June 20, 1915 | 1 yr. | | | | 473 |
| Bloxson, Robert H., | Port Norris, | 46 | 37 | 18 50 | June 28, 1915 to Ju. 20, '15 | | | | 403 | |
| Bradford, Elwood, | Newport, | 19 | 191 | 95 50 | June 20, 1915 | 1 yr. | 228 | | 590-434-124 | 611-489-420- 170 |
| Bradford, Lucius E., | Newport, | 18 | 20 | *12 00 | Nov. 2, 1914 to Ju. 20, '15 | | | | | 280 |
| Bradford, Lucius E., | Newport, | 17 | 62 | 31 00 | June 20, 1915 | 1 yr. | | 247 | | 252 |
| Bradford, Lemuel, | Newport, | 16 | 152 | 76 00 | June 20, 1915 | 1 yr. | | | 70-71-430 | 295-391 |
| Bradford & Vannaman, | Newport, | 20 | 31 | 15 50 | June 20, 1915 | 1 yr. | | | 274-179 | |
| Brineshults & Mayhew, | Cedarville, | 36 | 387 | *195 00 | June 20, 1915 | 1 yr. | | 160-76-77- 154 | 558-283-324- 455-456-458- 70-80-81- | 421-183- 331-29 585 302 |
| Bornhorst, August, | Port Norris, | 38 | 99 | 49 50 | June 20, 1915 | 1 yr. | | 168 | | 256-569 |
| Bowker, Charles, | Dividing Creek, | 40 | 21 | 10 50 | June 20, 1915 | 1 yr. | | 201 | | 241 |
| Bowker, Thomas, | Port Norris, | 39 | 50 | *24 00 | June 20, 1915 | 1 yr. | 259 | | | 363 |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | | |
|---|------------------------------|------------|----------|------------------|----------------------------------|-------|------------------------------------|---------|---|-------------------------|---------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. | |
| Bowker & Bowker, | Port Norris, | 41 | 44 | \$22 00 | June 20, 1915 | 1 yr. | | 70 | 364 | 425 | |
| Cain, Ellis L., | Port Norris, | 100 | 38 | 19 00 | June 20, 1915 | 1 yr. | 301 | | | | 96-277 |
| Campbell, Archie & Winfield, | Pt. Norris or Bivalve, | 68 | 8 | 5 00 | June 20, 1915 | 1 yr. | | 141 | | | |
| Campbell, Clement L., | Bridgeton, | 80 | 182 | *93 00 | June 20, 1915 | 1 yr. | | 260 | 123-122-262- 136-137-280- 352-416 | 562-578-75 | |
| Campbell, Clement L., | Newport, | 80 | 12 | 6 00 | April 16, 1915 to Ju. 20, '15 | | | | | 123 | |
| Campbell, James, | Mauricetown, | 72 | 47 | 23 50 | June 20, 1915 | 1 yr. | | | 400-401-576 | | |
| Campbell, James, Est., | Newport, | 75 | 181 | *105 50 | June 20, 1915 | 1 yr. | | | 637-328-408- 685 | 154-576- 160-206 | |
| Campbell, Jas. Est., & Willis A., | Newport, | 74 | 122 | *51 00 | June 20, 1915 | 1 yr. | | | 332-407-598 | | 153 |
| Campbell Est., Campbell & Campbell, | Newport, | 76 | 48 | *26 50 | June 20, 1915 | 1 yr. | | | | | 416-499 |
| Campbell, Peter, | Newport, | 64 | 43 | 21 50 | Mar. 6, 1915 to Ju. 20, '15 | | | | | 477 | |
| Campbell, Peter, | Newport, | 79 | 102 | 96 00 | June 20, 1915 | 1 yr. | | | 337-281-477 | 597-594-161- 286-588 | |
| Campbell, Sheppard, | Newport, | 78 | 70 | *86 50 | June 20, 1915 | 1 yr. | | 14 | | | 327-122 |
| Campbell, Smith, | Dividing Creek, | 70 | 8 | 5 00 | June 20, 1915 | 1 yr. | | | | | 11 |
| Campbell, Winfield A., | Bivalve, | 69 | 41 | 20 50 | June 20, 1915 | 1 yr. | | 255 | 58-32-541 | | 328 |
| Campbell & Buzby, | Port Norris, | 61 | 271 | 135 50 | June 20, 1915 | 1 yr. | | 121-115 | 203-208-315- 313-144-121- | 146-147- 111 | 105-500 |
| Campbell & Robbins, | Bivalve, | 77 | 289 | *153 50 | June 20, 1915 | 1 yr. | 121 | 223 | 446-605-247- 249-533 | 145-431-508 | |
| Carlisle, Daniel G., | Leesburg, | 106 | 14 | 7 00 | June 20, 1915 | 1 yr. | | 188 | | | |
| Chance, E. H. W., | Mauricetown, | 86 | 161 | 80 50 | June 20, 1915 | 1 yr. | 138-160-112- 272-51-209- 101 | | | | |
| Chance & Chance, | Mauricetown, | 87 | 10 | 5 00 | June 20, 1915 | 1 yr. | | 224 | 142-373 | | |
| Chambers, Walter, | Heislerville, | 105 | 10 | 5 00 | June 20, 1915 | 1 yr. | | 206 | | | |
| | | | | | | | | 67 | | | |

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | | |
|--|-----------------------|------------|----------|------------------|---------------------------------|-------|-----------------------------|--------------------------------------|--------------------|--------------------|---------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. | |
| Chew, William V., | Port Norris, | 97 | 10 | \$5 00 | June 20, 1915 | 1 yr. | | | | 207 | |
| Chew, Bateman & Brandriff, | Port Norris, | 99 | 46 | *24 50 | June 20, 1915 | 1 yr. | | | | | 587 |
| Chew, Bateman & Henry, | Port Norris, | 98 | 33 | 16 50 | June 20, 1915 | 1 yr. | | | | 202 | 177 |
| Clark, John S., | Cedarville, | 63 | 12 | 6 00 | June 20, 1915 | 1 yr. | | | | | 571 |
| Clark, Joshua, | Port Norris, | 85 | 48 | *25 00 | June 20, 1915 | 1 yr. | | | | 360 | 490 |
| Clark & Clark, | Port Norris, | 84 | 95 | *58 50 | June 20, 1915 | 1 yr. | 124-125 | | | 549 | 492-554 |
| Cobb, Glendon, Hunt, Maier & Barnes, | Bridgeton, | 104 | 22 | 11 00 | June 20, 1915 | 1 yr. | | | | | 455 |
| Cook, E. J., | Port Norris, | 67 | 183 | 91 50 | June 20, 1915 | 1 yr. | 112-165-240- 210-211 | 519-518-564- 567-7-295- 252-69 | | | |
| Compton, Howard, | Leesburg, | 102 | 47 | 23 50 | June 20, 1915 | 1 yr. | | 215 | | | 385 |
| Compton & Erickson, | Leesburg, | 103 | 219 | *112 50 | June 20, 1915 | 1 yr. | 108-109-253 | 20 | 206-630 | | 586-606 |
| Conahay & Campbell, | Port Norris, | 66 | 27 | 13 50 | June 20, 1915 | 1 yr. | 89 | | | | |
| Conahay & Yates, | Port Norris, | 65 | 32 | 16 00 | June 20, 1915 | 1 yr. | 290 | | | | |
| Cosier, Lucius E., | Newport, | 92 | 49 | 24 50 | June 20, 1915 | 1 yr. | | 238 | | | 151-218 |
| Cosier, Peter C., | Newport, | 90 | 222 | *101 50 | June 20, 1915 | 1 yr. | | | 604-258-260- | 574-71-110- 241 | 290 |
| Cosier, William W., | Dividing Creek, | 93 | 16 | 8 00 | June 20, 1915 | 1 yr. | | | | | 480 |
| Cosier, Cosier, More & Ware, | Newport, | 91 | 19 | 9 50 | June 20, 1915 | 1 yr. | | | | | 70 |
| Cosier & Gates, | Newport, | 89 | 22 | 11 00 | June 20, 1915 | 1 yr. | | | | | 357 |
| Cosier & Husted, | Newport, | 88 | 28 | 14 00 | June 20, 1915 | 1 yr. | | | | | 478 |
| Covert & Lee, | Leesburg, | 101 | 242 | *120 00 | June 20, 1915 | 1 yr. | 111-248-197- 100-131-137 | | | 259 | 99-72 |
| Cox, Champion H., | Leesburg, | 92 | 18 | 9 00 | Mar. 13, 1915 to Ju. 20, '15 | | | | 312-320-582 | | 479-485 |
| Cox, Champion & Lilburn, | Leesburg, | 82 | 48 | *30 00 | June 20, 1915 | 1 yr. | | | | 174 | |
| Cox, Jonathan & Lilburn, | Leesburg, | 83 | 53 | 26 50 | June 20, 1915 | 1 yr. | 183-293 | | | | |
| Crossley, George B., | Newport, | 94 | 42 | *27 00 | June 20, 1915 | 1 yr. | | | | 83 | 227-553 |
| Crossley & Joslin, | Newport, | 95 | 33 | 16 50 | June 20, 1915 | 1 yr. | | | | | 345 |
| Cruise, Benj. B., | Mauricetown, | 96 | 192 | *98 00 | June 20, 1915 | 1 yr. | 169 | 7 | 512-94-358- 698 | | 322-567 |
| | | | | | | | | | | | 335-516 |

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | |
|---------------------------|-----------------|------------|----------|------------------|---------------|-------|------------------------|-------------|----------------------------|--------------------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. |
| Comings, Chauncey A., | Port Norris, | 63 | 30 | \$15 00 | Apr. 3, 1915 | | | | 382 | |
| Donnelly, Lorenzo G., | Heislerville, | 115 | 32 | 16 00 | June 20, 1915 | 1 yr. | | | 389 | |
| Donnelly & Donnelly, | Heislerville, | 114 | 158 | 79 00 | June 20, 1915 | 1 yr. | 164-284-208 158-165 | | | 540 |
| Earl & Stites, | Port Norris, | 117 | 22 | 11 00 | June 20, 1915 | 1 yr. | | | 625 | |
| Edmonds & Garrison, | Millville, | 119 | 81 | *45 50 | June 20, 1915 | 1 yr. | 69-171 | 132-19 | 362 | |
| Evans, Evans & Evans, | Millville, | 118 | 245 | *139 00 | June 20, 1915 | 1 yr. | | 195 | | 382-533 |
| Fagan, Raymond, | Port Norris, | 127 | 112 | *54 50 | June 20, 1915 | 1 yr. | 201 | 196 | | 565-592 |
| Fauver, William, Jr., | Heislerville, | 128 | 8 | 5 00 | June 20, 1915 | 1 yr. | | | 565 | |
| Ferguson, Argus S., Est., | Leesburg, | 125 | 66 | *36 50 | June 20, 1915 | 1 yr. | | | 626-633 | 307 |
| Ferguson, Leo F., | Leesburg, | 121 | 12 | 6 00 | June 20, 1915 | 1 yr. | | 9 | | |
| Fidler, Frank, | Dennisville, | 122 | 39 | *17 50 | June 20, 1915 | 1 yr. | 24 | | | 96 |
| Fithian, Samuel T., | Bridgeton, | 124 | 11 | 5 50 | June 20, 1915 | 1 yr. | | | | 96 |
| Fithian & Minch, | Bridgeton, | 123 | 341 | *174 00 | June 20, 1915 | 1 yr. | 153 | 75 | 465-277-482 234-118-126 | 150-287-518 |
| Foster, W. Linwood, | Delmont, | 129 | 11 | *7 00 | June 20, 1915 | 1 yr. | | 15 | | 472 |
| Fowler & Morris, | Port Norris, | 126 | 213 | *99 50 | June 20, 1915 | 1 yr. | | 178-100-272 | 498-449-563 | 422-173- |
| Gandy, Miles, | Cedarville, | 136 | 224 | 112 00 | June 20, 1915 | 1 yr. | | | 279-464-263 282-462 | 174-283 104-292 |
| Gandy & Van Gilder, | Dennisville, | 142 | 120 | *56 00 | June 20, 1915 | 1 yr. | 32-156 | | | |
| Garrison, Austin, | Bridgeton, | 145 | 10 | 5 00 | Mar. 6, 1915 | | | | | 41 |
| Garrison, Frank L., | Dividing Creek, | 141 | 12 | 6 00 | June 20, 1915 | 1 yr. | | | | 600 |
| Garrison, Daniel C., | Heislerville, | 218 | 10 | 5 00 | Mar. 6, 1915 | | | 217 | | |
| Garrison, Daniel C., | Heislerville, | 141 | 24 | 12 00 | Feb. 6, 1915 | | | | | 507 |
| Garrison, Daniel C., | Heislerville, | 134 | 70 | *36 50 | June 20, 1915 | 1 yr. | 178 | 217 | 301-508 | |
| Garrison, Joseph, | Dividing Creek, | 140 | 19 | 9 50 | June 20, 1915 | 1 yr. | | | | 102 |
| Gaskill, George S., | Port Norris, | 135 | 62 | *35 00 | June 20, 1915 | 1 yr. | | | 295 | 137,433-550 |
| Gaskill, John, | Newport, | 139 | 274 | 137 00 | June 20, 1915 | 1 yr. | 52-333-213 | 267 | 611-622-444 476-592 | 134-294 |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | |
|--------------------------|----------------|------------|----------|------------------|---------------|-------|-------------|------------|-------------------------------------|--------------------------------------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. |
| Harris, John W., Est., | Leesburg, | 154 | 56 | \$28 00 | June 20, 1915 | 1 yr. | | 93 | | |
| Hager, Sherman, | Port Norris, | 152 | 118 | *63 00 | June 20, 1915 | 1 yr. | 84 | | | 438 |
| Hagemann, A. C., | Merchantville, | 176 | 332 | *146 00 | June 20, 1915 | 1 yr. | 141-136-161 | 99-127 | 524-88-296 | 568-429-193 208-386 |
| Hanners, McClellan, | Newport, | 168 | 39 | 19 50 | June 20, 1915 | 1 yr. | | | | 16-163-377 |
| Hand, Harrison, | Port Norris, | 158 | 33 | 16 50 | June 20, 1915 | 1 yr. | | 118 | 213-578 | |
| Hand, Constant W., | Port Norris, | 165 | 291 | *149 00 | June 20, 1915 | 1 yr. | | 116-58-270 | 310-553-418 | 456-378-315 494-35-175 176-142 |
| Hand & Benj. Berry, | Port Norris, | 163 | 92 | 46 00 | June 20, 1915 | 1 yr. | | 214-122 | | 488 |
| Hand, Berry & Berry, | Port Norris, | 162 | 159 | 79 50 | June 20, 1915 | 1 yr. | 139 | | 23-368 | 157-168 |
| Hand & Wm. H. Berry, | Port Norris, | 161 | 17 | 8 50 | June 20, 1915 | 1 yr. | | | 406 | |
| Hand & Campbell, | Port Norris, | 164 | 243 | 121 50 | June 20, 1915 | 1 yr. | 299 | 257 | 409-421 | 317-428-505 190-251-261 |
| Hand & Joslin, | Newport, | 160 | 15 | 7 50 | June 20, 1915 | 1 yr. | | | | 356 |
| Hand & Randolph, | Port Norris, | 157 | 74 | *37 50 | June 20, 1915 | 1 yr. | 276 | 62 | | 531 |
| Haley, Clarence, | Mauricetown, | 150 | 48 | 24 00 | June 20, 1915 | 1 yr. | | 6-156 | | |
| Harrington, Gerlad, | Port Norris, | 173 | 6 | 5 00 | June 20, 1915 | 1 yr. | | | | 155 |
| Henderson, Lafayette, | Leesburg, | 151 | 71 | *38 00 | June 20, 1915 | 1 yr. | 152 | | 245 | 355 |
| Henderson & Sutton, | Leesburg, | 368 | 20 | 10 00 | June 20, 1915 | 1 yr. | | | | 609 |
| Hettinger, H. A., | Bridgeton, | 172 | 131 | 65 50 | June 20, 1915 | 1 yr. | 260 | | 248 | 521-610 |
| Hiles & Hiles, | Haleyville, | 177 | 25 | 12 50 | June 20, 1915 | 1 yr. | | 249 | 602-233 | |
| Hiles, Hiles & Sutter, | Haleyville, | 178 | 22 | 11 00 | June 20, 1915 | 1 yr. | | | | 566 |
| Hinson, Harold E., Est., | Mauricetown, | 156 | 31 | 15 50 | June 20, 1915 | 1 yr. | 269 | | 314-380 | |
| Hinson & Bateman, | Mauricetown, | 159 | 333 | *171 50 | June 20, 1915 | 1 yr. | 262-180 | | 432-431-520 97-90-305 224-367 | 131-180 |
| Hoffman, Silas, | Port Norris, | 159 | 10 | 5 00 | June 20, 1915 | 1 yr. | | | | 43 |
| Hoffman, Silas, | Port Norris, | 170 | 10 | 5 00 | June 1, 1915 | 20 d. | | | | 43 |
| Hollinger & Bradford, | Port Norris, | 175 | 30 | 15 00 | June 20, 1915 | 1 yr. | | | | 285 |
| Hollinger, Harrison, | Port Norris, | 174 | 119 | 59 50 | June 20, 1915 | 1 yr. | 207-302 | 218-97 | 63-214-236 | 106 |
| Hunter, Aaron S., | Haleyville, | 170 | 27 | 13 50 | June 20, 1915 | 1 yr. | 204-206 | | | 235 |
| Hunter, William C., | Haleyville, | 169 | 38 | 19 00 | June 20, 1915 | 1 yr. | 205-212 | | | 18-15 |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | |
|--|-----------------------|------------|----------|------------------|---------------|-------|-------------|---------|-------------|-------------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. |
| Hunter & Hunter, | Haleyville, | 171 | 42 | *\$24 00 | June 20, 1915 | 1 yr. | 151 | 66 | | 155 |
| Husted, Howard S., | Bridgeton, | 167 | 70 | 35 00 | June 20, 1915 | 1 yr. | | | 108-412 | 165-464 |
| Husted & Campbell, | Bridgeton, | 166 | 20 | 10 00 | June 20, 1915 | 1 yr. | | | | 541 |
| Ingersoll, Charles M., | Dividing Creek, | 186 | 6 | 5 00 | June 20, 1915 | 1 yr. | | | | 397 |
| Isard, Somers H., | Rio Grande, | 187 | 18 | 9 00 | June 20, 1915 | 1 yr. | | | | 195 |
| Jeffries, Robert, | Port Norris, | 190 | 147 | 73 50 | June 20, 1915 | 1 yr. | | 244 | 151-532 | 501-563-599 |
| Jenkins, William, | Dividing Creek, | 191 | 11 | 5 50 | June 20, 1915 | 1 yr. | | | | 260-19 |
| Johnson, Charles W., | Newport, | 193 | 73 | 36 50 | June 20, 1915 | 1 yr. | | 232 | | 263 |
| Johnson, Charles F., | Cedarville, | 192 | 188 | *90 50 | June 20, 1915 | 1 yr. | 147 | | 93-285-454 | 340-496 |
| Johnson & Johnson, | Greenwich, | 199 | 100 | 50 00 | June 20, 1915 | 1 yr. | | | 577 | 604 |
| Joslin, Benj. S., | Newport, | 197 | 42 | 21 00 | June 20, 1915 | 1 yr. | | | 84 | 97-98 |
| Joslin & Johnson, | Newport, | 198 | 12 | *7 00 | June 20, 1915 | 1 yr. | | | 639 | |
| Joslin & Moncrief, Est., | Newport, | 194 | 9 | 5 00 | June 20, 1915 | 1 yr. | | | | 171 |
| Joslin-Moncrief Est., Mulford & Mulford, | Newport, | 195 | 57 | *26 50 | June 20, 1915 | 1 yr. | | | 240-411 | 572 |
| Joslin, Mulford & Mulford, | Newport, | 196 | 16 | *9 00 | June 20, 1915 | 1 yr. | | | 593 | |
| Ladow, Sylvanus A., | Dividing Creek, | 221 | 14 | 7 00 | June 20, 1915 | 1 yr. | | | | 11 |
| Lake, J. Hammitt, | Port Norris, | 217 | 170 | 85 00 | June 20, 1915 | 1 yr. | | 92 | 109-253-623 | |
| | | | | | | | | | 561-326 | |
| Lake, Sarah E., | Port Norris, | 216 | 89 | 44 50 | June 20, 1915 | 1 yr. | 174 | | 187 | 114-423 |
| Lake, Samuel C., | Port Norris, | 220 | 98 | *50 00 | June 20, 1915 | 1 yr. | | 91 | 595-638 | 332 |
| Lake & Miller, | Port Norris, | 222 | 39 | *20 50 | June 20, 1915 | 1 yr. | 92 | | 603 | |
| Land, Geroges, | Port Norris, | 218 | 12 | *10 50 | June 20, 1915 | 1 yr. | 267 | | | |
| Lee, Addie, | Leesburg, | 215 | 14 | 7 00 | June 20, 1915 | 1 yr. | 192 | | | |
| Lee, Frank V., | Leesburg, | 213 | 6 | 5 00 | June 20, 1915 | 1 yr. | 132 | | | |
| Lee, Harry M., | Port Norris, | 211 | 118 | 59 00 | June 20, 1915 | 1 yr. | | 234 | 143-138-428 | 144 |
| Lee, R. Maurice, | Port Norris, | 212 | 46 | 23 00 | June 20, 1915 | 1 yr. | 60 | 134 | | 262-245 |
| Lee, Samuel, | Leesburg, | 210 | 44 | 22 00 | June 20, 1915 | 1 yr. | | | | 228-424-603 |
| Lee & Newcomb, | Port Norris, | 214 | 10 | *0 00 | June 20, 1915 | 1 yr. | | 274 | | |
| Lore, Addie, | Newport, | 209 | 81 | 40 50 | June 20, 1915 | 1 yr. | | | | 206 |
| Lore, Louvisa, | Millville, | 207 | 6 | 5 00 | June 20, 1915 | 1 yr. | | | | 166 |
| Lore, Nathaniel J., | Dividing Creek, | 208 | 6 | 5 00 | June 20, 1915 | 1 yr. | | | 554 | |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | |
|---|-------------------------------|------------|----------|------------------|---------------|-------|-----------------|---------|-----------------|-------------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. |
| Lore & Jolley, | Camden, | 206 | 157 | \$78 50 | June 20, 1915 | 1 yr. | | 29 | 441-271-319 | |
| McClain, Chas. G., | Leesburg, | 244 | 17 | 8 50 | June 20, 1915 | 1 yr. | | 135 | 429 | 128-156-152 |
| McDaniels, McDaniels & McDaniels, | Port Norris, | 243 | 9 | 5 00 | June 20, 1915 | 1 yr. | | | | 67 |
| McDaniels Est. & McDaniels, | Port Norris, | 242 | 13 | 6 50 | June 20, 1915 | 1 yr. | | | | 397 |
| McDaniels & Rowley, | Port Norris, | 229 | 28 | 14 00 | June 20, 1915 | 1 yr. | | | | 442 |
| McDaniels & Newcomb, | Port Norris, | 240 | 37 | 18 50 | June 20, 1915 | 1 yr. | | | 165 | 595 |
| Meerwald, Augustus J., | Dennisville, | 239 | 188 | *96 50 | June 20, 1915 | 1 yr. | | | 489 | 299 |
| Messick & Iseman, | Bivalve, | 228 | 21 | 10 50 | June 20, 1915 | 1 yr. | 31-239 | | | |
| More, Robert, | Bridgeton, | 231 | 74 | *35 00 | June 20, 1915 | 1 yr. | | | | |
| More & Moore, | Bridgeton, | 232 | 104 | 52 00 | June 20, 1915 | 1 yr. | | | 115 | 187 |
| Moore, Oscar, | Port Norris, | 234 | 14 | 7 00 | June 20, 1915 | 1 yr. | | | 521-484 | 329 |
| Moore, Samuel K., | Fairton, | 230 | 48 | 24 00 | June 20, 1915 | 1 yr. | | 152 | | |
| Moore & Newcomb, | Port Norris, | 235 | 18 | 9 00 | June 20, 1915 | 1 yr. | | | | 305 |
| Mulford, Ephraim, Est., | Br'get'n or Cedarville, | 238 | 14 | 7 00 | June 20, 1915 | 1 yr. | | 275 | | |
| Mulford Est., Mulford & Mulford, | Br'get'n or Cedarville, | 237 | 283 | 141 50 | June 20, 1915 | 1 yr. | | | | |
| | | | | | | | | | 388-463-130 1/2 | |
| | | | | | | | | | 181-330 | 181 |
| Mulford & Mulford, | Br'get'n or Cedarville, | 236 | 527 | *259 50 | June 20, 1915 | 1 yr. | 236-99 | 73-130 | 177-120-331 | |
| | | | | | | | | | 334-346-529 | 341-50-550 |
| | | | | | | | | | 125-269-332 | 63-390 |
| Neal, Joseph D., | Philadelphia, | 263 | 437 | 218 50 | June 20, 1915 | 1 yr. | 120-157 | 63-101 | 450-182-289 | |
| | | | | | | | | | 335 | 74 |
| Newcomb, Adrain B., | Newport, | 254 | 153 | *73 00 | June 20, 1915 | 1 yr. | | 261 | 414-589-256 | |
| | | | | | | | | | 291-341 | 538-169 |
| Newcomb, B. O., | Newport, | 265 | 31 | 15 50 | June 20, 1915 | 1 yr. | 110 | | 601 | |
| Newcomb, George W. O., Est., | Newport, | 259 | 20 | 10 00 | June 20, 1915 | 1 yr. | | | | 448 |
| Newcomb, Josiah & D. L., Est., | Newport, | 249 | 188 | *98 50 | June 20, 1915 | 1 yr. | 135-257-303-308 | | | |
| | | | | | | | | | 163 | |
| Newcomb, Lewis B., | Cedarville, | 256 | 47 | 23 50 | June 20, 1915 | 1 yr. | | | 551 | 313-178-585 |
| Newcomb, Theophilus, Est., | Port Norris, | 237 | 61 | 30 50 | June 20, 1915 | 1 yr. | | 141-171 | 87 | 46-65-337 |
| | | | | | | | | | 443 | 135 |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | | | |
|------------------------------|-----------------|------------|----------|------------------|---------------|-------|-------------|-------------|---------------------|---------------------|---------------------|------------------------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. | | |
| Newcomb, Olin W., | Port Norris, | 253 | 17 | \$8 50 | June 20, 1915 | 1 yr. | | | 135-141 | | | |
| Newcomb, Peter F., | Newport, | 258 | 220 | 110 00 | June 20, 1915 | 1 yr. | | | 133-297-427- 139 | | 463-162- 189-343 | |
| Newcomb, William B., | Newport, | 255 | 50 | 23 00 | June 20, 1915 | 1 yr. | | | 425-426 | | | |
| Newcomb, G. M. D., & Stites, | Newport, | 264 | 167 | 83 50 | June 20, 1915 | 1 yr. | | | 243-318-422 | | | |
| Newcomb, Moore & Moore, | Port Norris, | 251 | 47 | *32 00 | June 20, 1915 | 1 yr. | | | | | | 582 |
| Newcomb, Newcomb & Moore, | Port Norris, | 250 | 45 | 22 50 | June 20, 1915 | 1 yr. | | | | | | 507-598 |
| Newcomb & Yates, | Port Norris, | 252 | 19 | 9 50 | June 20, 1915 | 1 yr. | | | | | | 449 |
| Nickerson, Harry E., | Port Norris, | 262 | 14 | *6 50 | June 20, 1915 | 1 yr. | | | | | | 284 |
| Nieukirk & Nieukirk, | Camden, | 261 | 96 | *49 50 | June 20, 1915 | 1 yr. | | | | | | 28-23-308 |
| Orr, Mark L., | Dividing Creek, | 269 | 5 | 5 00 | June 20, 1915 | 1 yr. | | | | | | 118 |
| Pashley, Charles, | Dividing Creek, | 272 | 24 | 12 00 | June 20, 1915 | 1 yr. | | | | | | 367 |
| Peace, William M., | Port Norris, | 273 | 31 | 15 50 | June 20, 1915 | 1 yr. | | | | | | 202 |
| Peterson, George C., | Newport, | 277 | 172 | *85 50 | June 20, 1915 | 1 yr. | | | 256 | 594-292-338- 588 | | 520-324-73 512-581 |
| Peterson, John C., | Greenwich, | 278 | 104 | 52 00 | June 20, 1915 | 1 yr. | | | | | | 517 |
| Peterson, William B., | Port Norris, | 279 | 152 | 76 00 | June 20, 1915 | 1 yr. | | 124-235-109 | | 303-307-149- 217 | | |
| Peterson & Bateman, | Port Norris, | 274 | 158 | 79 00 | June 20, 1915 | 1 yr. | | | 107-108 | 304-57-188- 192 | | 225-120-201- 212 |
| Peterson & Moore, | Newport, | 276 | 21 | 10 50 | June 20, 1915 | 1 yr. | | | | | | |
| Peterson & Peterson, | Port Norris, | 275 | 86 | 43 00 | June 20, 1915 | 1 yr. | | | | | | 394-536 |
| Pepper & Pepper, | Port Norris, | 282 | 126 | 63 00 | June 20, 1915 | 1 yr. | | | 111-221 | | | 34-478-133- 139-140 |
| Petit, Charles, | Bivalve, | 280 | 9 | 5 00 | June 20, 1915 | 1 yr. | | | | | | 31 |
| Pierce, Pierce & Pierce, | Dorchester, | 281 | 92 | 48 50 | June 20, 1915 | 1 yr. | 233-163-34 | | | 351-345-584 | | 547 |
| Polhamus & Polhamus, | Vineland, | 271 | 81 | *24 00 | June 20, 1915 | 1 yr. | | | | | | |
| Rahr, David W., | Bricksboro, | 308 | 29 | 14 50 | June 20, 1915 | 1 yr. | | | | 211 | | 78 |
| Randolph, Andrew, | Port Norris, | 306 | 25 | 12 50 | June 20, 1915 | 1 yr. | | | | 222 | | 212 |
| Randolph & Adams, | Leesburg, | 307 | 9 | 5 00 | June 20, 1915 | 1 yr. | | | | | | 482 |
| Riggin, Chas. M., | Port Norris, | 317 | 67 | *38 50 | June 20, 1915 | 1 yr. | | | | 193 | | 566 |
| Riggin, Chas. & Ed. M., | Port Norris, | 315 | 34 | 17 00 | June 20, 1915 | 1 yr. | | | | | | 572 |
| Riggin, Edward M., | Port Norris, | 316 | 77 | 38 50 | June 20, 1915 | 1 yr. | 221 | | | | | 321 |
| | | | | | | | | | | | | 493 |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | | | |
|-------------------------------------|----------------------------|------------|----------|------------------|---------------|-------|-------------|-----------|---------|--|-----------------------------|--|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. | | |
| Riggin, Walter C., | Port Norris, | 313 | 128 | \$64 00 | June 20, 1915 | 1 yr. | 191 | | | 573 | | 503-608 |
| Riggin, Walter C. & Chas. M., | Port Norris, | 314 | 41 | 20 50 | June 20, 1915 | 1 yr. | | | | 394 | | 61 |
| Riggin, Riggin & Riggin, | Port Norris, | 312 | 83 | 41 50 | June 20, 1915 | 1 yr. | | | | | | 434 |
| Riggin, Riggin, Riggin & Stites, | Port Norris, | 311 | 72 | 36 00 | June 20, 1915 | 1 yr. | | | | | | 291 |
| Robbins, Clarence M. & David, Jr., | Port Norris, | 319 | 12 | 6 00 | June 20, 1915 | 1 yr. | | | | | | 138 |
| Robbins, Clarence M., | Port Norris, | 290 | 99 | 49 50 | June 20, 1915 | 1 yr. | | | 294 | 82 | 286-390 | 48-68-498 |
| Robbins, David, Jr., | Port Norris, | 291 | 148 | 74 00 | June 20, 1915 | 1 yr. | 62-220 | | 176 | 246-288-325- 294 | | 272-555-108 |
| Robbins, David, Sr., | Port Norris, | 298 | 339 | *170 50 | June 20, 1915 | 1 yr. | 175 | 68-72-110 | | 306-438-439- 473-487-417- 132-481-54- 55-56-197 | | 349-514-566 402 113 |
| Robbins, Sheppard, | Port Norris, | 302 | 18 | 9 00 | June 20, 1915 | 1 yr. | | | | | | |
| Robbins, Edward C., | Haleyville, | 296 | 37 | 18 50 | June 20, 1915 | 1 yr. | | | | | | |
| Robbins, George, | Port Norris or Haleyville, | 299 | 220 | *111 00 | June 20, 1915 | 1 yr. | 166-252-202 | | 71-129 | 89-440-470 | | 406-506-561 |
| Robbins, Levi, | Port Norris, | 295 | 29 | 14 50 | June 20, 1915 | 1 yr. | | | | 60-317-479 | | 116 |
| Robbins, Levi & Edward C., | Port Norris or Haleyville, | 297 | 175 | 87 50 | June 20, 1915 | 1 yr. | | | 265 | 128-102-113- 126 | | 64-624 9 24 |
| Robbins, Samuel L., | Port Norris, | 287 | 61 | 30 50 | June 20, 1915 | 1 yr. | | | 193 | | | 271-255 |
| Robbins, Robbins & Robbins, | Port Norris, | 289 | 31 | 15 50 | June 20, 1915 | 1 yr. | | | | | | |
| Robbins & Robbins, | Port Norris, | 300 | 321 | *157 50 | June 20, 1915 | 1 yr. | | | 59 | 89 | 551-468-365- 198-199-200 | 596-556-435 302-270- 115-549-519 |
| Robbins & Reed, | Port Norris, | 293 | 236 | *117 00 | June 20, 1915 | 1 yr. | 203-123 | | 159 | 502-547- 76-250 | | 318 |
| Robbins & O'Neil, | Port Norris, | 292 | 56 | 28 00 | June 20, 1915 | 1 yr. | | | | | 515 | |
| Robbins, Sheppard, Sutter & Sutter, | Port Norris, | 294 | 16 | 8 00 | June 20, 1915 | 1 yr. | | | | | 86 | |
| Robinson, Edgar H., | Port Norris, | 318 | 31 | 15 50 | June 20, 1915 | 1 yr. | | | | 38-74 | | |
| Roe, J. Wesley, | Dorchester, | 303 | 17 | *12 00 | June 20, 1915 | 1 yr. | 144 | | | | | |

BOARD OF SHELL FISHERIES.

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION-NO. | | | | | |
|-----------------------------------|-----------------------------------|------------|----------|------------------|---------------|-------|---------------------|---------|--------------------------------|-------------------------|---------|--|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. | | |
| Rogers, Maurice A., Est., ... | Camden, | 309 | 340 | *\$164 00 | June 20, 1915 | 1 yr. | 189 | 8-106 | 348-377-461-485-09-176-226-347 | 298-62-12-12-13-141 | | |
| Rogers Est., & Whildon, | Camden & Maurice-town, | 310 | 195 | 97 50 | June 20, 1915 | 1 yr. | 53 | | 383-384-586 | | 33 | |
| Rowley, L. Bates, | Port Norris, | 305 | 34 | 17 00 | June 20, 1915 | 1 yr. | | 137 | | | 124-125 | |
| Sharp, Ira T., | Vineland, | 334 | 91 | *50 00 | June 20, 1915 | 1 yr. | 295 | | 608 | | | |
| Sharp, Levi B., | Heislerville, | 332 | 42 | 21 00 | June 20, 1915 | 1 yr. | | 30-37 | | | 418 | |
| Sharp, Walter, | Port Norris, | 330 | 12 | 6 00 | June 20, 1915 | 1 yr. | 230 | 230 | | | | |
| Sharp, John W., | Leesburg, | 333 | 21 | 10 50 | June 20, 1915 | 1 yr. | | | 293 | | 312 | |
| Sharp, Zadok, R., Jr., | Dias Creek, | 327 | 36 | *17 00 | June 20, 1915 | 1 yr. | 149 | | 544 | | | |
| Sharp, Zadok, Sr., | Leesburg, | 328 | 30 | 15 00 | June 20, 1915 | 1 yr. | 145 | 61 | | | | |
| Sharp, Zadok C. & Zadok R., | Leesburg, | 329 | 36 | *14 00 | June 20, 1915 | 1 yr. | 241 | | 614 | | | |
| Sharpless, John P., | Millville, | 347 | 10 | 5 00 | Apr. 20, 1915 | | | | | | | |
| Sharpless, John T., | Millville, | 335 | 287 | *146 50 | June 20, 1915 | 1 yr. | 90-133-134 | 205-208 | 460-168-169-405 | 107-240-579 | | |
| Schoch, George Y., | Ocean City, | 361 | 289 | *134 50 | June 20, 1915 | 1 yr. | 217-243-103-104-105 | 161-149 | 339-420 | 535-37-39 | | |
| Schoch & Sharp, | Ocean City and Port Norris, | 362 | 110 | 55 00 | June 20, 1915 | 1 yr. | 214 | 140 | 227 | 38-93-469 | 515 | |
| Schoch & Vail, Est., | Ocean City & Bridgeton, | 363 | 361 | 180 50 | June 20, 1915 | 1 yr. | 218-219-270 | 119-194 | 433-92-375-442 | | 36-529 | |
| Shaw, Howard W., | Leesburg, | 345 | 10 | 5 00 | June 20, 1915 | 1 yr. | | | | | 600 | |
| Sheppard, Lewis F., | Cedarville, | 338 | 266 | 133 00 | June 20, 1915 | 1 yr. | | 202 | 311-585-116-119-336-344 | 409-497-559-180-184-361 | | |
| Sheppard, Harrison, | Mauricetown, | 337 | 161 | 80 50 | June 20, 1915 | 1 yr. | 168 | | 374-376-191-196-231 | | | |
| Sheppard, S. Ware, | Newport, | 339 | 136 | 68 00 | June 20, 1915 | 1 yr. | 227 | | 415-257-278-278 | | | |
| Sheppard & Smith, | Newport, | 340 | 23 | 11 50 | June 20, 1915 | 1 yr. | | | 278 | | 129-546 | |
| Shropshire, Edward, | Haleyville, | 347 | 96 | 48 00 | June 20, 1915 | 1 yr. | 216-249 | 172-65 | 386-419 | | | |

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | | | |
|----------------------------------|-----------------------|------------|----------|------------------|---------------|-------|-------------|-------------|--|---------------|---------|--|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. | | |
| Shull, John L., | Newport, | 346 | 221 | *\$112 00 | June 20, 1915 | 1 yr. | 234 | 83-84 | 607-85-237-329 | 601-64-172-42 | | |
| Simpkins, Albert, | Cedarville, | 336 | 39 | 19 50 | June 20, 1915 | 1 yr. | | | | | 342 | |
| Smith, Asa C., | Leesburg, | 342 | 125 | *79 00 | June 20, 1915 | 1 yr. | 33-143 | | | | 593 | |
| Smith, Henry C., | Newport, | 341 | 90 | 45 00 | June 20, 1915 | 1 yr. | | | 272-298-452 | | | |
| Smith, Seth S., | Leesburg, | 343 | 5 | 5 00 | June 20, 1915 | 1 yr. | 261 | | | | | |
| Sockwell & Polhamus, | Port Norris, | 359 | 77 | *36 00 | June 20, 1915 | 1 yr. | 255-306 | | 103-190-583 | | 85-380 | |
| Sockwell, Howard W., | Port Norris, | 357 | 556 | *279 50 | June 20, 1915 | 1 yr. | 274-287 | 70 | 47-48-49-50-51-52-44-540-222-228-349-366 | | 460 | |
| Sockwell & Gaskill, | Port Norris, | 358 | 30 | *11 50 | June 20, 1915 | 1 yr. | | 11 | | | 41 | |
| Spencer, John O., | Bridgeton, | 367 | 13 | 6 50 | June 20, 1915 | 1 yr. | | | | | 366 | |
| Stites, Howard, | Newport, | 354 | 18 | 9 00 | June 20, 1915 | 1 yr. | | | 398 | | | |
| Stites, Gilbert & John B., | Port Norris, | 351 | 368 | 184 00 | June 20, 1915 | 1 yr. | | 164-173-237 | 571-543-361-393-399-423-152-153-322 | | | |
| Stites & Garrison, | Port Norris, | 352 | 30 | 150 00 | June 20, 1915 | 1 yr. | | | 396 | | 369 | |
| Stites, Mary B., | Port Norris, | 364 | 95 | 47 50 | June 20, 1915 | 1 yr. | | | 229-359-387 | | | |
| Stites & Newcomb, | Port Norris, | 353 | 114 | 57 00 | June 20, 1915 | 1 yr. | | 181 | 255-591 | | 411 | |
| Stites, Gilbert & John B., | Dragston, | 350 | 42 | 21 00 | June 20, 1915 | 1 yr. | 226 | 222 | | | 526-300 | |
| Stites & Riggan, | Port Norris, | 355 | 23 | 11 50 | June 20, 1915 | 1 yr. | | | | | 511 | |
| Sutter, Harry, | Port Norris, | 365 | 10 | 5 00 | June 20, 1915 | 1 yr. | | | | | 607 | |
| Sutton, Joseph, | Leesburg, | 349 | 13 | 6 50 | June 20, 1915 | 1 yr. | 119 | | | | | |
| Sutton, William G., | Bridgeton, | 348 | 17 | 8 50 | June 20, 1915 | 1 yr. | | | 600 | | | |
| Swank, David, | Bivalve, | 326 | 18 | 9 00 | June 20, 1915 | 1 yr. | | 212 | 525 | | | |
| Taylor, D. O., | Port Norris, | 384 | 27 | 13 50 | June 20, 1915 | 1 yr. | 275 | | 546 | | | |
| Terry, George N., | Dividing Creek, | 376 | 96 | 48 00 | June 20, 1915 | 1 yr. | | 105-232 | | | 117 | |
| Terry & Terry, | Dividing Creek, | 377 | 25 | 12 50 | June 20, 1915 | 1 yr. | | | 404 | | | |
| Tilghman, Eva, | Port Norris, | 386 | 26 | 13 00 | June 20, 1915 | 1 yr. | | | | | 109 | |
| Townsend, Stacy, | Leesburg, | 382 | 41 | 20 50 | June 20, 1915 | 1 yr. | | | | | 356-602 | |
| Tozour, Charles, | Delmont, | 383 | 66 | *35 50 | June 20, 1915 | 1 yr. | | 133-157 | 545 | | 548 | |

OYSTER BED LEASES, DEPARTMENT OF MAURICE RIVER COVE—Continued.

* Indicates a debit or credit owing to lease being issued on estimated area, year 1914.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. | Date. | Term. | SECTION No. | | | |
|---------------------------------------|-----------------------|------------|----------|------------------|---------------|-------|-------------|-------------|-------------------------|-----------------------------|
| | | | | | | | Sec. A. | Sec. B. | Sec. C. | Sec. D. |
| Turpin & Collins, | Mauricetown, | 385 | 17 | *\$8 00 | June 20, 1915 | 1 yr. | 194 | | | 364 |
| Turner, James A., | Newport, | 379 | 89 | 44 50 | June 20, 1915 | 1 yr. | | 253 | 613 | 100-432-452 |
| Turner, Leaming, | Dividing Creek, | 381 | 32 | 16 00 | June 20, 1915 | 1 yr. | | | | 123-182-350 |
| Turner, May, | Newport, | 380 | 23 | 11 50 | June 20, 1915 | 1 yr. | | | | 76-167 |
| Van Vliet, William, | Newport, | 395 | 21 | 10 50 | June 20, 1915 | 1 yr. | | | | 383 |
| Veale, William, | Dividing Creek, | 393 | 15 | 7 50 | June 20, 1915 | 1 yr. | | | 343 | |
| Veale & Loper, | Dividing Creek, | 394 | 330 | 165 00 | June 20, 1915 | 1 yr. | 277-282 | 125-170-203 | 570-353-457 | 127-21-126-397 |
| Wallen Est., Wallen & Whitaker, | Fairton, | 400 | 247 | 148 50 | June 20, 1915 | 1 yr. | | 33-34 | 178-230-235-308-175-244 | 309 786-188 |
| Westcott & Trenchard, | Bridgeton, | 401 | 190 | 95 00 | June 20, 1915 | 1 yr. | | 36 | 140-640 | 543-57-58-525 |
| Welch, Albert S., | Bridgeton, | 404 | 31 | 15 50 | June 20, 1915 | 1 yr. | 291 | 180 | | |
| Willis, Frank L., | Cedarville, | 399 | 39 | 19 50 | June 20, 1915 | 1 yr. | | | | 471-551 |
| Windfohr, Arthur, | Bivalve, | 403 | 79 | *40 50 | June 20, 1915 | 1 yr. | | 148-181 | 172 | 159-477 |
| Whilden, Somers H., | Mauricetown, | 402 | 66 | *36 00 | June 20, 1915 | 1 yr. | 91 | | 385-74-75 | |
| Yates, George Christy, | Port Norris, | 409 | 56 | 28 00 | June 20, 1915 | 1 yr. | | | | 398-268 |
| Yates, Lucius E., Est., | Port Norris, | 411 | 280 | 140 00 | June 20, 1915 | 1 yr. | | 227-278 | 77-157-350-194-391-424 | 121-224-250-392 111-164-188 |
| Yates, Hoffman & Robbins, .. | Port Norris, | 412 | 212 | 106 00 | June 20, 1915 | 1 yr. | 159-271 | 123-229 | 497-65-467-494 | |
| Yates & Gaskill, | Port Norris, | 410 | 30 | *24 00 | June 20, 1915 | 1 yr. | | | | 580 |

OYSTER BAY LEASES, RARITAN BAY,
JULY 1, 1915, TO JULY 31, 1915.

| LESSEE. | ADDRESS. | No. Lease. | Acreage. | Amount of Lease. |
|----------------------------|----------------|------------|----------|------------------|
| Degroot, William, | Keyport, | 1 | 57 1/4 | \$37 50 |
| Hammer, Fred, & Son, | Keyport, | 2 | 42 1/2 | 43 25 |
| Post, Russell B., | Keyport, | 3 | 107 3/4 | 107 75 |
| Mason, John W., | Keyport, | 5 | 17 3/4 | 17 75 |
| Post, Fred, | Keyport, | 8 | 6 7/2 | 6 50 |
| Woolley, William E., | Keyport, | 4 | 182 7/2 | 183 50 |
| Manner, William, | Keyport, | 7 | 81 7/2 | 81 50 |



