

STATE OF NEW JERSEY

REPORT

OF THE

Bureau of Shell Fisheries

For the year ending October 31st

1911

Embracing the annual reports of the State Oyster Commission, the State
Oyster Commission for the District of Ocean County, the Oyster
Commission for the District of Atlantic County, the
State Biologist of the State Agricultural
Experiment Station, and the
Commissioner of the
Shark River
District

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State Bureau of Shell Fisheries.

CHARLES R BACON, Chief Office, State House, Trenton

Officers and Employes of the State Oyster Commission Maurice River Cove, Delaware Bay, and Raritan Bay.

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Office of Commission, Beacon Building, Tuckerton
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HENRY A BENNETT, *Commissioner*, Neptune City

Report of Bureau of Shell Fisheries.

To the Honorable Woodrow Wilson, Governor

In submitting the ninth annual report of the State Bureau of Shell Fisheries we desire to urge your earnest attention to some of the suggestions therein made, which we regard essential to the welfare of our shell-fish industry. By your favor, the present administration of the Bureau was continued for four more years and there is this hope that in that period much greater advancement may be made than in the previous eight years of its existence.

A retrospective view of the situation encourages the belief that greater strides may be made because of the inspiration from the progress accomplished in the years that have gone. The report embraces the reports of the State Oyster Commission (Delaware Bay, Maurice River Cove and Raritan Bay), the Oyster Commission for the District of Atlantic County, the Oyster Commission for the District of Ocean County, the Commissioner for the District of Shark River and the report of the Biologist of the State Agricultural Experiment Station.

These reports to the Bureau, as required by law, show that the industry is in great part in excellent shape, although suggestions for its betterment are contained in all of them. Gathering information from the practical oystermen themselves, as well as from the officials charged with the administration of the industry, we are constrained to say that present conditions need some few changes to bring much needed progress. There is hearty cooperation between all of the Commissioners and this Bureau in the work in which we are engaged. Always there have been the most pleasant relations, personal and official, which we are sure are advantageous to the industry itself.

There are some points of difference as to needed legislation, however, which we shall here discuss and to which we desire to

call your especial attention. There is need for a considerable and somewhat radical change in the laws relating to Atlantic and Ocean counties, and our suggestion has the endorsement of a very large number of oystermen. This will be embodied in bills to be presented to the coming Legislature and is discussed more fully in these pages.

OBSERVATION STATIONS

We have long desired to obtain for the use of the State certain data concerning the conditions under which oysters grow. We have desired to know the water, climatic and bottom conditions at various phases of the growing seasons, but have been unable to obtain this information for lack of authority and the necessary appropriation. In the last session of the Legislature we were enabled to secure the passage of a bill giving the Bureau full authority to establish in various sections of our oyster-growing counties observation stations from which to obtain this necessary information. Unfortunately, the Committee on Appropriations was not willing to grant us an item to cover the cost of establishing and maintaining these stations. We have, however, out of our own slender appropriation, purchased the necessary equipment for one station and are hoping that we can establish one such station as an experiment this coming season. We have further hope that we can prevail upon the Committee on Appropriations of this coming session to grant us a modest sum to cover the cost of others. The need of this information has been demonstrated so often that it seems unnecessary to call further attention to it.

We are forced to encounter hostility from many sources. Many times the charge is made that the oysters from our State carry the germs of disease. This is especially true of the suspicion of typhoid fever. As these charges arise we have been at pains to refute them, assured by our health authorities that the suspicion is not thoroughly well founded. Again we have to encounter the rulings of the United States Board of Food and Drug Inspection regarding the shipment of floated oysters. While we are able to defend this process of nature, we are compelled hastily

to gather such data and information as we can to present to the Board in refutation of its attitude. One such instance occurred two years ago when we appeared for a hearing before the Board and were driven to the necessity of proving our claim through our State Biologist, Professor Nelson. There was not sufficient time properly to prepare for this onslaught, but despite our lack of preparation we obtained a modified order which has since been in force and under which our industry was unmolested. That experience taught us the need of having at all times such information as is required to equip us for any contest we may have to encounter.

The object of the observation stations, therefore, is to obtain, day by day, all the data as to temperatures of atmosphere and water, the degrees of salinity of the waters, the conditions of the bottoms where our seed oysters grow and whether they thrive or die as conditions change upon the planting grounds. There should be at least four of these stations at as many points in the beds because of the widely varying conditions of the oyster-bearing areas. The total cost of establishing and maintaining these stations is so very small that it seems hardly necessary to present the matter in any fear of having it rejected. The observations are to be supervised as is indicated in his report, by Prof. Julius Nelson, Biologist of the State Agricultural Experiment Station, who is enthusiastically endeavoring to aid us in securing the stations.

THE DISAPPEARING CLAM

There has been in the minds of some of our most earnest and conscientious shellfish attaches for some years a desire to take a firm stand for the preservation of the clam industry. Just what steps will be necessary to this end we are not now prepared to say, except that prompt action and firm resolve are essential if we expect to have any clams left in our State. Their rapid disappearance and the fact that men are scarcely able to gather enough to make a decent living, where a few years ago there seemed to be an unending supply, would seem to warrant us in suggestions for drastic action on the part of the Legislature.

Under existing laws there is scarcely any protection provided for the preservation of the clam industry. The only law restricting the taking of clams is that as to size, and even this law is scarcely regarded. The rapid rise in the price is only an indication of the disappearance of this mollusk from our waters. The reason for its disappearance is plain to those familiar with conditions. The clams are taken at all seasons of the year, under all conditions, without let or hindrance and with no restriction whatever, except that of size, to which allusion has been made.

We have in mind bills to be drawn for the preservation of this branch of our industry which we hope to have presented at the coming session of the Legislature. These bills will embrace a season for taking clams, just as regulates the oyster industry, further and more stringent law as to the size of clams to be taken, heavier penalties for violation of the acts, and some plan for securing seed for clams for planting purposes.

Experiments along planting lines have demonstrated that clams can be grown with as great success and much more profit than oysters, and despite the prevalent prices for the clams there has been no disposition upon the part of our progressive shell-fish growers to embark in this enterprise. The reason, no doubt, is that there would be no protection for them in case they made the experiment. We trust that we shall have the aid and assistance of the Legislature in this regard so that advancement may be made in this line also.

THE NATIONAL ASSOCIATION CONVENTION

The third annual convention of the National Association of Shell Fish Commissioners was held in the city of Baltimore, April 18th, 19th and 20th, and it proved to be by far the most successful yet held by this growing body, the work of which is of great value to the several States. At the convention fourteen of the Atlantic seaboard States which have shell-fish interests were represented and great interest was manifested in the proceedings.

The State Shell Fish Commissioners of Maryland arranged the details for the convention with the officers of the Association

and were ably aided by a committee of the Merchants' and Manufacturers' Association of Baltimore, to make the stay of the delegates from the several States as pleasant as possible. The well-known hospitality of the Convention City was demonstrated in every way and not only were this State's delegates enlightened by the sessions, but very handsomely entertained for the three days of the convention. Under a resolution adopted by the last Legislature appointments of delegates were made by you to represent New Jersey as follows: Ogden Gandy, South Dennis, Philip R. Sprague, West Creek, Edward A. Horner, Jr., Tuckerton, R. M. Sooy, Pleasantville, Isaac Smallwood, Port Republic, Alfred B. Smith, Brigantine, A. Frank Bennett, Jr., Avon, Prof. Julius Nelson, New Brunswick, Charles R. Bacon, Had-donfield, Frank R. Austin, Tuckerton, William H. Chew, Camden, Dr. R. B. Fitz Randolph, Trenton, Peter Crozier, Newport, Assemblyman Blanchard H. White, Mount Holly.

The many topics of interest discussed at the convention greatly aided the commissioners of our State in reaching conclusions as to the things best to be done for the conservation of this great resource of nature. Among the most serious questions under consideration were these:

- Causes for the reduction in the total production and means for restoration
- Need for legislation looking to betterment
- Problems involved in conservation
- Need of uniform laws in the several States and a movement looking to such uniformity
- Value of government aid in experimental work and investigation
- Absolute necessity for the highest possible standard of health conditions, that no suspicion shall attach to the product
- Desire of all the commissioners to act in entire harmony with and for the best interests of the planters and shippers

NEW JERSEY BACKWARD

Upon the invitation of the National Association of Oyster Growers and Shippers, the Chief of the Bureau delivered an address at its annual convention in Atlantic City, in May last. As that address had for its subject "What New Jersey Is Doing for the Oyster Industry," it seems fitting that it be partly reproduced herewith. In part it follows:

"What is the meaning of this gathering? What was the meaning of the annual session in Baltimore a couple of weeks ago of the National Association of Shell Fish Commissioners, of which I had the honor to be President for two years? Why, that you men of the Oyster Planters' and Growers' Association of North America and we of the other organization have concentrated our thought and heart upon the things we believe ought to be done for the betterment of the shell-fish industry, which is coming rapidly to the fore as one of the country's most valuable natural resources and which should be carefully conserved. It means that we are stirring all over this broad land a new and vital interest in this big business, which demands action of the highest and broadest intelligence for its salvation, not to say advancement.

"Our National Association convention showed greatly increased interest, with much larger attendance, and steps were taken to extend the scope of the organization, whose sole aim and desire is to accomplish the things most needed for the betterment of the industry. One result of that convention was a greatly increased interest in the welfare of the industry in Maryland, which faces a tremendously decreased output of oysters and discovers at the eleventh hour that something must be done and done quickly to avert sure disaster, no less than the wiping out of the industry in its entirety.

"Reports from all sections of the country where shell fish are produced show this same intense interest. Many newspapers and magazines have taken up the subject and you see special stories almost every day regarding some feature of the industry, some of them showing a deal of knowledge of the questions involved, but more of them displaying a lack of information that must cause wide grins among some of you old planters. The United States Government is going after some of the problems with which we of the States are wrestling and in my address to our National Association I urged the appointment of a committee to take under consideration the proposition of getting action for the establishment of a National Bureau of Shell Fisheries. All the Government's present research and experi-

ment along shell-fish lines are now conducted under the care of the Bureau of Fisheries.

"It all tends to show how widespread is the interest in this business. Moreover, the efforts our two National bodies and the Government are putting forth to remove from our products all suspicion of unhealthfulness are bound to result ultimately in a greatly stimulated trade. For years the consumers had jammed down their throats from many irresponsible sources the notion that they were swallowing sundry millions of germs of dire capacities with every oyster they permitted to slide gracefully and gratefully down.

"The fact that this suspicion is being removed is acknowledgment that the oystermen themselves want to give the people only the best and most wholesome of food products, without guile, or adulteration or preservative. That is the tendency of our effort and we of both associations must see to it that there is no lack of energy in it. As we seem to be moving along the same lines, would it not be well for the two organizations to consider some plan for a meeting together next year?

"On the program I was assigned to the subject 'What New Jersey is Doing for the Oyster Industry.' That will not take much time. In our State it is mostly fight and fight hard for the things we want to do for the betterment of the industry, and it is long, uphill work because it is so difficult to impress upon disinterested folks the idea that the oyster is an issue worth fighting for. We have to stand a good many set-backs and disappointments. It's like the man with the disfigured face, whose friend stopped and asked 'Who gave you the black eye?' 'Nobody gave it to me, I had to fight for it,' the injured one replied. 'We get the black eyes, but we propose to fight on because we believe in the future of this industry and we shall not cease to strive for the things we are sure are right.'

"New Jersey has not done what it should for its own industry—the State owns every foot of ground under water where oysters and clams grow—for several strong reasons, which I shall endeavor to point out. The State gives to the agricultural interest very large sums in various ways and for various purposes. It gives the coming year \$10,000 for the prevention of

the introduction and spread of injurious insects, a very commendable thing to do, but I wonder where we would land if we asked for a quarter of that sum to fight drum fish or the borer? Yet the insects threaten private orchards or crops. There is another item of \$5,000 for the inspection of nurseries to aid the foregoing. Then there are \$5,000 more for the prevention of injurious plant diseases. This year there is a new department at the State Agricultural College, that of poultry husbandry. This means that the State is to undertake to teach the people how to raise poultry scientifically and profitably. For that purpose the sum of \$15,000 is given. For the study of floriculture the sum of \$9,000 more is given, while the Biologist of the State Agricultural Experiment Station gets \$600 for scientific oyster investigation.

"All this while the regular expenses of the State Board of Agriculture and the Agricultural Experiment Station go on, with its total annual cost of more than \$40,000 which also includes \$5,000 to fight mosquitoes. Now, what does the oyster industry get? Why, a total of \$29,000 in the annual bill and it will turn back to the State treasury a total about \$5,000 in excess of that figure. As against that the only return the State gets from its expenditures in behalf of the farmers is the betterment of their farms, the more intelligent direction of crop and stock raising, the wider and higher standard of soil-tilling, so that a greater happiness, larger prosperity shall come to the farmers, and from these who feed the world, radiate to all of the people.

"In that the State does a great work. I am not finding fault with the system. What I am anxious to know is why it is not extended to our industry in something like equal interest and proportions. Every man here knows that the return for the outlay would be great and lasting, with the State's revenues increased manyfold and the lot of the oysterman improved.

"I have no desire in this connection to criticise or to cast any reflection upon the Appropriation Committee of our Legislature in whose hands such matters after all rest for final adjustment. I have every faith in the committees which have been in action for several years. I know the members personally and am prepared to say that they have performed their work with fine

regard for their duty and with the greatest conscientiousness. Especially do I wish to commend the faithful and painstaking chairman, Senator William J. Bradley, of Camden County, who has been the head of the committee for several years, and in all my experience as a newspaper man attached to the Legislature, I have never seen a more thoroughly honest and industrious officer, or one who gives the State better service.

"My protest is not in that direction. It is intended to apply to those who resolutely refuse to accept the proposition that the oyster industry belongs to the State, that it is well worth fostering, that those who have its advancement at heart, who would devote their time and capacities to bring it to a much higher standard of development ought to have better attention than is given them. It seems impossible to impress the members of the Legislature with the value and importance of this industry. One of the chief difficulties, of course, is that there are so many constant changes in the personnel of the law-making body. Every year there comes to the Legislative halls men who have not the slightest knowledge of the value and extent of the business, and who are surprised when informed that it is the property of the State and that the value of the yearly product is fully four millions of dollars. The Government Bureau credits us with but a million and a half, but the information I have been able to obtain leads me to dispute the accuracy of these figures.

"In the ten years in which I have been interested in this industry I have endeavored with all the power at my command—and, perhaps, one of the reasons why there has not been greater progress is that I haven't had much power—still, I have used all of the persuasive eloquence I could command to get the Legislature to take kindly interest in this big enterprise. The prevalent notion is that there is "too much oyster legislation" as they call it, without knowing anything about it. One of the criticisms most freely passed is that there are too many job-holders and too many salaries. Every little while there comes out the suggestion from somebody who doesn't know the first thing about the industry that the commissions ought to be consolidated under one general head in order to do away with a number of them as they are looked upon as quite useless. Over and over again I have issued

statements which have been given wide publicity, that the present system would only be changed by giving the commissioners some other name. The State, for the proper protection of its property, must have agents under some name upon the ground agents who know their business, who are acquainted with the local conditions and the local planters and shippers, men who can be relied upon to give careful attention to the State's affairs no matter what they may be called. Numerically they are not so many. Probably the number might be reduced in one or two of our counties, but that is of doubtful expediency since there might be too much power and authority for the smaller body. Their pay is not great. The highest is \$500, and the total amount of salaries paid to all of the officers, superintendents and commissioners and everybody else concerned in the administration of this industry is less than \$9,000 a year. All the cost of the expense is for the protection of the property of the State and the leasehold rights of the citizens of the State in these waters.

"What should be done to bring about the change of conditions which seem to call for radical departure? Can there be any doubt of the need of a little more enthusiasm upon the part of those directly concerned? There is no question but that progress has been retarded by the mistaken zeal of arbitrary men who might have exercised a little more diplomacy in the effort to win the support of the enemies of progressive movements. There is no doubt in the minds of some of us that a situation in this county of Atlantic has caused much unpleasant feeling, not unmingled with grave accusations, that ought never to have come about. The chances are very good that in a short time all the present unpleasantness will have disappeared and the men engaged in the industry will be striving side by side, earnestly, enthusiastically for the betterment of conditions without the petty bickering over small details and appeals to personal prejudices which so hamper and destroy progress. This condition might easily have been averted by a little effort upon both sides to reach a common ground of harmony.

"We have an unpleasant situation in Ocean County, also. There is not the slightest doubt that in that county there should be some vital changes in the present laws. That is not my personal

conclusion. It is the prevalent belief of fully three-fourths of the oystermen themselves. I discovered that in a recent meeting we arranged in the center of the oyster-growing section of the county, but the members of the Legislature from that county also discovered that the situation did not warrant them in pushing the passage of bills we had introduced and the bills died in committee. These bills had reference to the change of season for catching seed from fall to spring, changes which have been advocated by old, experienced oystermen for years. What operated so strongly to prevent action upon these proposed changes?

"There we come face to face with the crux of the whole problem. It was the political aspect of the situation. The Ocean County members of the Legislature found that those who opposed the change were in such position as to start an agitation, based upon misunderstanding, that would result in no good to them in the election next fall. No man could blame them for that, but what we do claim is that this business ought to be removed from politics, that a few agitators, a few men who can organize and retain a following that is bound to make itself felt at the primaries and at the polls, ought not to be permitted to stand in the way of the progress of this big business.

"To that bright day we are looking forward with fondest hopes. We have in the executive chair of our beloved State a man who knows no political foe or friend in seeking to do the people's business, a man who can sift and strain and penetrate till he finds the facts and the truth. A man in whom the people have placed their trust, and it is not too much to say that when he takes hold of this problem Governor Wilson will bring to bear upon it such strength and such intelligent force as to bring about some of the things which will assure its quick advancement. The lagging will cease then, and we shall see the industry placed upon a sure road to success."

A MATTER OF COMPARISON

Much has been said regarding the relative incomes of Rhode Island and New Jersey in the oyster industry. The comparison would appear at first glance to be plain enough for anyone to

understand It is shown by figures that Rhode Island, with a minimum charge of ten dollars per acre for its leased oyster grounds, has a net annual income from its industry of something over \$100,000, while New Jersey with a minimum lease rate of fifty cents per acre, and some area at one dollar per acre, has a net revenue of but \$1,000. The natural inference is that New Jersey does not derive sufficient revenue from its industry or its expenses are relatively larger. The truth is that Rhode Island's revenue is very much greater, for the reason that its industry pays in much greater proportion to the producing area than that of New Jersey. For instance, in Rhode Island, such are its marine conditions, the oysterman expects to gather at least three bushels of marketable oysters to every bushel of seed he plants. In the Maurice River Cove, where our greatest oyster area exists, the planter is glad when he gets a basket containing two hundred marketable oysters, worth sixty cents, from each bushel of seed he plants. The difference is that the percentage of survival of the plant growth in Rhode Island is so much greater than in New Jersey, because of water, climatic and other conditions.

Maurice River Cove is taken as an example for New Jersey's industry, because the percentage of growth and survival is better there than in any other section. Indeed, it has been noted in these reports that in some sections of Atlantic County not more than ten per cent of the planted seed survives to marketable growth. We herewith present several notable instances of failures in our State of which there are many. It is after all a gambler's chance that the man takes who attempts to raise oysters for market from the seed so bountifully produced in our waters. E. W. Chance and Captain A. T. Bacon, of Mauricetown, bought 1,000 bushels of Delaware Bay seed at the opening of the season in May, transplanted it to their leased ground of ten acres in Maurice River Cove. The total cost was \$578, which included labor and expense of transplanting. Of these 1,000 bushels of seed, after six years on the leased ground, there was an income of \$738.99 or a total gain of \$190.72 for the six years.

Another instance. Three men, George Bell, George Bell Jr., and Captain Bacon bought 3,000 bushels of Delaware Bay seed

at twenty cents per bushel in the season of 1909. Not a dollar's worth of marketable oysters was obtained. In another instance that same year, Joseph Boyle and Captain Bacon purchased 4,047½ bushels of Delaware Bay seed costing \$1,022.90. They are now being marketed, and the total yields \$1,300, a profit of less than \$300 on the investment for two years. These are but mere instances of scores of cases of the result of risks taken by oystermen in our State, while in Rhode Island, the man who gets three bushels for his one of seed is liable to make a profit of fifty to seventy-five per cent. The percentage of loss by smothering and other well-known causes in our State is much larger than that of any other State of which we have knowledge. This is due largely to the shallow waters in which our oysters grow and the conditions of the bottom, composed so largely of shifting sand and silt.

As a matter of fact, very few of the oystermen of the Maurice River Cove District have made any profit in the last three years, such have been the conditions. This year the growth and conditions are such as to give hope of a profitable season. Of course, there are instances of remarkable success by what must be considered a freak of nature. There is one instance in particular, now called to mind, of a resident of Bridgeton, an oysterman all his life, who had been able to make a bare living for himself and family by planting oysters. A year or so ago, on his leased ground in Maurice River Cove, there was a remarkable natural growth, scarcely to be accounted for. By careful attention to these grounds the Bridgeton oysterman was rewarded to find the oysters thriving wonderfully and in the space of two years he cleared \$30,000 from the oysters he was able to market and from which he had been unable to get more than a bare existence prior to that. This, of course, is an isolated instance, not often paralleled. The truth is that the oystermen are forced to observe the strictest business economy and thrift in order to make the business pay at all.

LEASING UNPRODUCTIVE LAND

We would once more call attention, as we have in practically all of our reports, to the growing sentiment of the oystermen of the State in favor of leasing to individuals such grounds capable of oyster cultivation as are now unproductive. Such a law applying to a part of Atlantic County lying at the mouths of the Tuckahoe and Great Egg Harbor Rivers and Patcong Creek, in the Great Egg Harbor Bay, has been in force now two years. The lease holders have invested a large sum of money in planting these grounds and the yield of seed oysters has been beyond expectation. The prospect is that in a couple more of years, when these beds have been given attention, there will be a highly profitable yield of seed. You will observe by the report of the Commission for Atlantic County, appointed by you in September last, a recommendation for the repeal of that Atlantic County law. We have held conferences upon the matter and find that the commissioners and the new superintendent, all practical oystermen, are of one mind as to the failure of this law. These gentlemen were opposed to the enactment of the bill at the time of its consideration in the Legislature. They maintained that it was wrong because it removed from some of the poor oystermen the means of obtaining a livelihood. They also contended that the grounds proposed to be leased were not barren, as had been declared, but were producing seed oysters at each recurring season. There was testimony by old, experienced oystermen of this vicinity to the contrary and there did not seem to be any possibility of their agreeing as to the facts. Our own conclusion is that the law should not be repealed at this time because there has been so little chance for its proper trial and observation. We trust that no action will be taken looking to its repeal until it is given a proper trial. We have learned that a very large number of the practical oystermen of the county who were once opposed to the idea now favor it. We found that one of the principal objections to the law arose from the personnel of the men to whom leases were granted. The Commission which preceded the one now in existence had, it was charged, favored men with political influence who desired to

obtain the best ground. As a matter of fact, as has been said, it was a gambler's chance and required men willing to risk their ready cash in the purchase and planting of shells for cultch upon ground which might or might not yield a catch in two or three years.

The Commission granted leases to those who were willing and had the money to take the risk. Thus it seems would appear inadequate ground for criticism of the law itself.

You will observe by the report of the Superintendent of Ocean County Commission that he again recommends the leasing of unproductive grounds in this county, as he has recommended it for several years. The question was not wholly or satisfactorily settled by the passage of the Atlantic County law and we trust that instead of the repeal of that law the idea be extended by other acts to include the other counties of the State.

CHANGE OF SEASON

We return once more to the proposition of changing the planting season of Atlantic and Ocean Counties from fall to spring. We have recommended this change for several years and have endeavored to secure legislation necessary to bring it about. There does not seem any sufficient ground for opposition to the proposed change. It is agreed by a great majority of the oystermen themselves in the two counties that it would be a great benefit to the industry. As has been stated in previous reports, the seed now taken on October 1st is so small and fragile that it cannot withstand the jarring necessary to its transportation to the planted grounds. As a result a very small percentage of it thrives after transplanting. Some of the old, practical baymen declare that not more than ten per cent of this survives, some say twenty per cent, and that is about as high as any of them care to risk an opinion. If, on the other hand, the season was changed to spring, as now prevails in Delaware Bay, the seed would have a chance of nearly a year's growth from the time of spawning in July and August. It is believed, therefore, that it would be so much more vigorous and that a very much larger percentage of it would be fit to transplant and so much more growth obtained. The principal objection to this proposed change comes from the oystermen who depend upon

their fall and winter's work in the oyster industry to tide them over to the time of their spring and summer employment. Careful review of this situation reveals the fact that the number of these men is comparatively small and it would seem necessary to point out to them the value of this change in that they would get so much better seed with better prices for their catch. We have learned that a very large majority of the oystermen in the two counties favor the change, and we propose to ask the Legislature to enact it into law at the coming session.

The following table shows a total of the acreage leased, the income derived from leases in the several counties and the total expense of the administration, policing and care of the leased grounds, showing a very slight difference in the total cost and the aggregate income.

LEASES AND LICENSES		
	<i>No of Acres Leased</i>	<i>No of Licenses Issued</i>
Atlantic County,	1,008 14	
Delaware Bay and Maurice River Cove,	27,034 00	313
Ocean County,	3,731 00	
Raritan Bay,	505 00	17
Shark River,	208 00	
	<hr/>	<hr/>
	32,486 14	330
TOTAL RECEIPTS FROM LEASES, LICENSES, ETC		
Atlantic County,		\$1,594 86
Delaware Bay, Maurice River Cove and Raritan Bay,		24,946 00
Ocean County,		2,221 25
Shark River,		232 00
		<hr/>
		\$28,994 11
RECAPITULATION		
Total acres leased,		\$32,486 14
Total licenses issued,		330
Total receipts,		\$28,994 11
1911 APPROPRIATIONS		
<i>Atlantic County</i>		
Commissioners' salaries,	\$900 00	
Superintendent's salary,	1,000 00	
Patrol,	2,280 00	
Incidentals,	300 00	
Surveys,	150 00	
	<hr/>	
	\$4,630 00	
Supplemental,		1,107 49
Bureau of Shell Fisheries,		2,400 00
Supplemental,		300 00
Supplemental,		250 00

Cumberland County

Salaries and patrol	\$13,000 00	
Protection of natural beds,	4,000 00	
Surveys and maps,	800 00	
	<hr/>	
		17,800 00
Supplemental,		400 00

Ocean County

Commissioners' salaries,	\$750 00	
Superintendent's salary,	1,000 00	
Patrol,	1,000 00	
Incidentals,	450 00	
Rent,	50 00	
	<hr/>	
		3,250 00
Supplemental,		577 50

Shark River

Commissioner's salary,		120 00
		<hr/>
Total,		\$30,834 99

POLLUTION OF WATERS ADJACENT TO STATEN ISLAND

With Major Robert A. Widenmann, Superintendent of Marine Fisheries of the New York State Conservation Commission, the Chief of the Bureau arranged for a trip of inspection of the Arthur Kill, the Kill von Kull, Raritan Bay and adjacent waters east and south of Staten Island, on Friday, November 17th. Reports had come to the Bureau, as well as to the New York State Commission, relative to the wholesale pollution of these waters by the large industrial establishments on the New Jersey shores. So great had become this pollution that the shell-fish industry of that section was in peril of being completely destroyed. Indeed, there had been for some years a great diminution in the quality and quantity of the oysters taken from these bottoms, and our State Board of Health, as well as the New York State Board of Health, had taken steps to prevent the shipment of these oysters for consumption. It was deemed necessary to go over the ground to see to what extent this pollution was carried on and from that information to take such steps as might be necessary to relieve the contamination if possible. On the trip of inspection were Dr. H. A. Cleveland, representing the New York State Board of Health, Dr. G. W. Stiles, representing the

Bureau of Chemistry of the United States Department of Agriculture, Azel F Merrill, president of the National Association of Oyster Growers and Shippers, Kenneth Allen, member of the Metropolitan Sewer Commission, Dr L C Himebach, representing the Lederle Laboratories of New York, Major Widenmann, of the Bureau of Marine Fisheries, Mr McGee, representing the Attorney-General, and the Chief of this Bureau

A boat was taken at Jersey City and a cruise of the waters in question was made with the idea of gaining the information desired. It was discovered, however, by a stop at the vast establishment of the Standard Oil Company, Constable Hook, that it would require the services of engineers or sewer experts several days, if not more, to make an intelligent inspection and investigation to obtain the desired data. After careful consideration of the subject by a further trip of inspection of the copper works, chemical works and other establishments it was decided to request the Boards of Health of the two States to detail experienced investigators to gather the data necessary to lay the foundation for such action as may be decided upon. Such requests have been made and the investigation is under way so that we hope that before the legislative session is far along we may be able to present a special report with recommendations.

In our own State the Board of Health has ample power under existing laws to order the cessation of all pollution as may be detrimental to our shell-fish industry. The question that naturally arises in the minds of all of us is whether the comparatively small amount of shell fish that may be gathered from the affected waters would warrant us in seriously crippling these vast establishments, employing thousands of our citizens and representing enormous capital invested. It will be necessary to move with the utmost deliberation and care with the view to accomplishing the best possible results and conserving our natural resources while not interfering with important industries.

SOME FALLACIES

In a recent magazine article Capt A C McAllister, Engineer in Chief of the United States Revenue Cutter Service, said

"Only about one person in a thousand who orders the luscious bivalve known as the Blue Point really gets the genuine article. The reasons for this are simply, first, because very few Blue Points are raised, and, secondly, because the supply is usually marketed in November and December. This brand of oyster takes its name from being grown on beds in the vicinity of Blue Point in Great South Bay, Long Island. The water there is very shoal.

"In consequence, when the howling winter nor'westers blow till they virtually empty the bay, any oysters on the beds freeze. To forestall the loss, the wise oyster tonger becomes active and markets Blue Points in the fall. It is thus seen that the reason they are so small is that they have had only one summer in which to grow. A full-sized oyster in that latitude requires two or three years to mature. Nevertheless, you can find "Blue Points" on bills of fare in Oshkosh or Kansas City at almost any time of year.

"Every locality has its pet brand of oyster. Boston has its Cape Cods, New York its Saddle Rocks, Philadelphia its Cape May Salts, Baltimore, Washington, and Norfolk their Lynn-havens. Each place is willing to wager that its particular bivalve is the most luscious in the world. Not being particularly averse to starting trouble, the writer wishes to state that, having been born in a New Jersey oyster-raising community, reared near the most famous oyster beds of New York, and having eaten mollusks harvested along every coast of the United States, he would lay a wager on the Bayou Cook oyster, raised in the Gulf of Mexico, for first place in the great oyster sweepstakes, and on the Maurice River Coves, raised in Delaware Bay, for second place. There are many who will agree with me in this oyster rating.

"As summer approaches, persons who have enjoyed their Blue Points until the advent of the R-less month of May, will, with the same sangfroid, order a half-dozen Little Neck clams as a

clude to a repast They get them—not The Little Neck clam is a thing of the past He, the genuine, takes his name from Little Neck Bay, which lies just where the East River joins Long Island Sound

“The title, therefore, is not derived from any particular formation of the clam’s anatomy, as most people believe Clams, unlike oysters, cannot be cultivated on beds prepared for the purpose, but are found in what are termed natural beds A number of years ago one of these great natural beds was discovered in Little Neck Bay, the products of which were of the most toothsome and tender variety The find was immediately pounced upon by clam rakers from far and near, and the reputation of the Little Neck was made Although it took only a few years to exhaust the supply, nearly every clam from every bed in the country has since basked in the refloated glory of that Little Neck harvest, and you can still buy genuine Little Necks in any sea-food emporium from Maine to California”

Report of the Biologist

The year 1911, up to September, has been remarkable for great extremes of heat and cold, drought and moisture, with a predominance of heat and drought While these conditions alternated, the periods were of unusual length It is astonishing to read in the report of the Climatological Service, that the month of August was notable for its dryness and the large amount of rain This paradox arises from the fact that the rain was all concentrated into the last few days It is just such conditions that influence oyster culture for, in a dry season, the salinity of the oyster beds becomes high, and then, if a heavy freshet comes, of long duration, the effect on the oysters lying in the rivers is disastrous

We have shown in our previous reports that hot weather favors oyster propagation, and our experience during the past summer fully supported this conclusion The water of the areas examined by us were well stocked with oyster fry, and in general, there was an abundant set of spat, in widely separated localities But at Barnegat, where the laboratory was stationed,

though the fry were so abundant, there was no appreciable set, so that it was impossible to make observations on spatting

This is exactly the condition that challenges such a research as ours, for we primarily set out to study the question as to the cause of the failure of a set at certain times and see certain places The answer to such a question lies locked up in the influence of the weather conditions But it is inadequate to study the conditions at one locality merely We need to compare the conditions at several stations before we can determine the reason for the failure of a “set” in one place and not at another

It was therefore most opportune that through the efforts of Mr Bacon, Chief of the Bureau of Shell Fisheries, the Legislature passed a law establishing such an observation service It is to be hoped that provision will be made for meeting the expenses of such a service In the absence of comparative statistics, it is almost idle to speculate on the cause of the failure of the fry at Barnegat to “set” But it is almost impossible to refrain from such speculation We present herewith a synopsis of the data which will be found in detail in our regular “Report of the Biologist of the New Jersey Agricultural Experiment Station”

OBSERVATIONS OF OYSTER PROPAGATION AT BARNEGAT, N J, 1911

Date	Max Air	Temp Water	Salinity Range	Max Tide Inches	Max No Fry Per Bucket	Remarks Etc
June 11	84	77	14-17	11	16	A third are half grown
June 12	80	74	16-16.5	12	356	Full moon
June 13	76	73	13.5-16.5	12	750	Rain
June 14	77	75	14.5-18	13	26	N W wind
June 15	78	73	14 -17.5	12	4	Strong N W wind
June 16	80	70	14.5-17	11	4	Windstorm
June 17	73	72	15-17	10	0	Nearly calm
June 22	78	73	16.5-17		188	Weak east wind
June 23	90	82	13.2-17.2	12	570	Most are newly spawned
June 24	74	75	15.7-16.7	13	415	East wind
June 25	73			14		New moon
June 26	80	75	13-15	14	14	Weak east wind
June 27	80	80	10.2-13.4	13	14	Variable winds
June 28	90	83	13 -15	13	40	Rain
June 29	78	82	10.13.3	12	44	Variable winds
June 30	79			12	474	Most are newly spawned
July 1	84	82	14-16	11	734	Weak east wind
July 2	91			9		S W winds
July 3	90	88	10.14	7	30	Variable winds
July 4	85	78	10.5-15.1	7	167	Strong S W winds
July 5	90	84	11.5-13.5	4	3256	Over an oyster bed
July 6	90	85	12.7-13.8	2	2640	Strong S W winds
July 7	84	83	13.3-14.3	2.5	755	Few all large
July 8	80			7	105	Last wind
July 9	86			4	50	Development normal
July 10	92	88	11-14	4	90	Much spawn in oysters

Date	Max Air	Temp Water	Salinity Range	Max Tide Inches	Max No Fry Per Bucket	Remarks, Etc
July 11	96			5 5	435	Full moon
July 12	85			7	410	Rain
July 13	83			7	615	Medium fry
July 14	77			7	150	Most O thru spawning
July 15	80	78		7	145	Part are small
July 16	82	84		7 5	440	Weak S E winds
July 17	78			8	100	Rain
July 18	81			10	25	N W winds strong
July 19	83			8	20	Variable winds
July 20	82			6	5	Strong S W winds
July 21	81			12		N E winds rain
July 22	83			10		Weak north winds
July 23	88			9		Westerly winds
July 24	89			10 5		Strong S W winds
July 25	83			10		New moon
July 26	80	76	11 5-15 9	8	420	Most are small
July 27	78			9		Weak north winds
July 28	75			11		N E winds
July 29	80			7 5		S W winds
July 30	80	78	12 8-15 9	7	3	Variable winds
July 31	83	80	13 2-15 9	7	25	Near calm
Aug 1	82					Weak S F winds
Aug 2	83					Weak E winds
Aug 3	84					Strong E winds
Aug 5	81		12 6-16		525	Many are large
Aug 6	86	85	12 9-15 8	8	435	Weak S E winds
Aug 7	86	78	10 14 5	9	25	N E winds
Aug 8	79	78	10 14	10	40	S E winds
Aug 9	82			11		Full moon
Aug 10	88			11	0	S W winds
Aug 11	96			7	0	Strong west wind
Aug 12	81			12		N E winds rain
Aug 13	76			11	3	Near calm
Aug 14	83			10	5	Variable winds
Aug 15	85			10	5	Westerly winds
Aug 16	90			10		Strong N W winds
Aug 17	92			9	10	N W winds
Aug 18	86			9		Rain S W winds
Aug 19	80			6		Strong N W winds
Aug 20	77			7	10	Variable winds
Aug 21	80			6	3	Large fry
Aug 22	78			7	5	Rain, medium fry
Aug 23	88			7	2	New moon rain
Aug 24	77			9	8	N F wind clearing
Aug 25	81			12	20	Half are small
Aug 26	82			13		S E rains
Aug 27	83			18		Easterly gale
Aug 28	81			13		Strong S W winds
Aug 29	80	81	06-16 5	16		Rain

From the foregoing table it will be noticed that throughout June and July, and during the first week in August, there was an abundance of oyster fry in the water. These fry were spawned at frequent intervals, the main or principal "spawning" occurred previous to July 5th, at which date we counted the unprecedented number of over three thousand oyster fry in a single bucketful of water, taken well out in Barnegat Bay. Other bucketfuls taken at the same time, in the bay at various points, have very high counts, ranging above one to two thousand. When we consider that with a depth of water ranging from five to seven feet over many acres, each bucketful taken at random contained such an enormous number of fry, we are

filled with wonder and astonishment, which is emphasized when it is noted that there is not a very extensive planting of oysters in these waters, as compared with other places.

Another fact that astonished and perplexed us, was that these fry disappeared. They failed to reach the setting stage. Did they drift away with the tide to set elsewhere? But no set of importance occurred at any place near enough to be reached by this tide. Besides, if the fry set elsewhere, it would be necessary to suppose that they rose in high water each day, and remained suspended (swimming) only during ebb, while on flood tide they settled to the bottom. But our experience was that there were more fry in the water near high tide, and, perhaps, more on flood than on ebb.

Did these fry starve to death? It is certain that a large percentage of the fry spawned do die, even in the best years. Our observations showed that only a small percentage lived to reach the medium size, while only a few stragglers reached the "setting" stage of their development.

What is the cause of this death which must be predicted as being unusually great at Barnegat? What conditions were unusual at Barnegat during the past season? First of all, there was a lack of fresh water. This would undoubtedly influence the character of the plankton food on which oysters live. We must not forget that young oysters, those microscopically small, are themselves no larger than the food eaten by the older oysters, so that the young need a special sort of food. Could these fry have been starved to death? We do not at present feel competent to answer this question. Much more careful research is needed before an answer may be ventured.

In the second place, we note that the temperature of the water was abnormally high. This is a local peculiarity, for the waters around Barnegat are particularly shallow, and hence are easily warmed and cooled with the fluctuations of the air temperature, and the abundance or deficiency of sunlight.

It seems probable that this high temperature of the water in some way proved inimical to the welfare of the fry. But we do not know how far we have to go back in considering the untoward climatic influences. Possibly they acted on the parents

during the time the spawn was forming. This is an exceedingly abstruse matter for research, and it needs for its elucidation the comparative studies that the new observation service will provide.

LOCATION OF THE STATIONS

The observation stations should be located near the principal oyster regions, and also be near the principal natural beds. One or two stations should be on the Delaware, another should be at Great Egg Harbor Bay, and another on the Barnegat Bay. If suitable provision is made to pay expenses, there should be a station or two on Raritan Bay and perhaps also Newark Bay. For the coming season the floating laboratory will be on the Mullica, and that station will therefore be suitably provided for.

KIND OF OBSERVATIONS REQUIRED

The observations made during the summer will be the most important, and also be of such a nature that an expert observer will be needed. One who is familiar with the biological use of a microscope must be chosen. But even such qualification will be inadequate unless supplemented by a practical course of instruction under the personal supervision of the biologist during the latter half of June at the floating laboratory. As for the balance of the year, the observations need be less technical, and probably an oyster watchman or oyster planter or worker of intelligence could make the observations.

These observations have been provided for by means of a set of five blank "forms" as shown in the following pages. All the "forms" are needed from June 1st to September 1st or at least from June 15th to August 15th. During these two or three months daily observations will be needed, and in some cases several each day. During the rest of the year only forms A and B will be needed. B is, of course, of more importance than A, as most of the data of A can be approximately supplied from the records of the Weather Bureau. Perhaps an average of two observations per week, with only one per week during winter, will suffice for the non-expert service.

SUPPLEMENTARY DIRECTIONS

Form A To facilitate the conversion of Centigrade into Fahrenheit degrees, we have prepared a table of approximate equivalents of these two scales which is published herewith.

A weather vane is not an absolute necessity, if the bearings of the locality, or of the house that shelters the observer, are known. Neither is a conventional rain gauge necessary, as an ordinary pail can be used, and the rainfall calculated by measuring the volume of the water and calculating the area of the opening of the top of the pail.

If the observer wishes, a maximum and a minimum thermometer may be used, a record of the two data thus furnished will be even better than taking the series of temperatures observed by reading the ordinary thermometer.

Form B We have in our own work used the (bath) thermometer used for taking the temperature of the water, also for the air temperatures.

A tide gauge is readily made from a narrow board on a pole. This should be marked by notches at numbers at such a distance apart that the interval corresponds to the average rise in the tide for one hour. This scale should extend from extreme low water of the lowest tides to the highest extreme. It will not be difficult to arrange for automatically recording the maximum and minimum tides by means of two floats, one arranged to slide only upward, the other only downward on the gauges by means of spring or friction, or ratchet catches. It is, however, quite as important to observe the time of the change of tide as to observe the height, though, of course, absolute accuracy within a half hour is not necessary.

Tides run higher just following "full" and "new" moons, but the direction, force and duration of the wind are of paramount importance in determining the height. In fact one could by reading a tide record infer much as to the character of the wind. The tide gauge should be so placed or protected that it is not exposed to wave action.

In preparing the bottle for sampling water from the bottom, we must first add enough shot to equal the weight of the water the

bottle will hold. This shot should be held in place by means of paraffine. There should be left a space above sufficiently capacious to hold a quart of water. A strong cord should be attached to the neck of this bottle, and the cork should not be large. The cork should be tied to the string and be filled so that the bottle may be lifted by the cork, but a sharp jerk will at once draw the cord. The cord should have as little elasticity as possible.

Form C The "solid" ("Syracuse") watch glasses called for are now no longer made, and as they are at present absolutely indispensable in separating fry for Form C, the stations will have to rely on the very short supply in the hands of the biologist.

Form D It is practically impossible to describe the manipulations required under this "form" so that even an intelligent expert can properly perform them. They are the special invention of the writer and the result of long experience. Even after personal instruction and demonstration, it will require experience to perform them properly. Doubtless by using sufficient time and effort any expert could work them out for himself. Possibly even better methods may be invented. We are ourselves constantly trying to improve on the methods here given.

The filter paper (Lautenschlager) for filtration of agar has proved superior to other kinds of filters, in general, any ordinary filter paper is not strong enough and quick enough for these filtrations. The most difficult part of the work consists in keeping separate count of each size of fry as they are all mixed. For practical purposes it will not be necessary to give more than an approximate idea of the proportion of different sizes present. The main fact is, that there will be no setting of the spat until the larvae have reached the stage when one umbo projects decidedly beyond the other. When there is a considerable proportion of such fry present, the experimental cultch must be placed at once. For practical oyster planting it will be necessary to act somewhat earlier, say, when the fry are half grown or medium in size, especially when a large amount of cultch is to be planted.

Form E The experimental shells planted by the observer should be supplemented by records of the shells planted at various nearby localities by the oyster planters. While we are aiming to so develop this service that ultimately, the practical planter will

place his cultch at the places and on the dates when it will secure the best "catch," we have not at present sufficient data to make it certain that we can control this matter advantageously. So, for the present at least, we must leave each planter to follow his own judgment and experience. These plantings must be considered by the observer as part of his experiment, and the "catches" should be recorded with all the necessary descriptive conditions.

EQUIPMENT FOR THE OBSERVATION SERVICE

The apparatus and equipment required for securing this data consists, first, in a suitable location with ready access to the natural spawning and spatting grounds, or near grounds used for artificial planting of cultch for seed, and near oyster beds in general.

There is no time available in most cases for a transportation from some hotel or boarding house nearest such favorable locality, so that an oyster shanty or "shack" must be selected, or, in the absence of a suitable building, one must be erected at the most feasible point of vantage. This need not cost above a hundred dollars, as it need be only eight by twelve feet, set on piles driven into the marsh, and with a ceiling six feet above the floor, leaving the peak of the roof as an attic. Such a shanty should be made of up and down, tongue and groove lumber, and preferably with shingled roof. In it is installed a spring cot, with mattress, a couple of blankets, a comforter, possibly a pillow or bolster and sheets (though these are luxuries for this sort of camp). There must be some shelves and lockers for apparatus and for eatables. There must be a gasoline or kerosene stove and a few pots, frying pans and dishes, a table and dining utensils, knives, forks, spoons, plates, cups, bowls, saucers, etc. Add a couple of chairs, a kerosene can, a broom, a mirror, a wash-bowl, a padlock and key, a pair of rubber boots and an oil-skin coat, and the equipment is nearly complete so far as the hotel features are concerned.

But most important is proper mosquito screens. There should be a window on the north side, about thirty inches from the floor,

with a firm shelf or bench in front of it, twenty-eight inches high, for a work bench for the microscope. One or two additional windows on opposite sides are also useful. The door should be opposite the work bench, on the south side or end. The windows can be of half sash, resting on a horizontal stud, with a similar one above, properly "stopped," so as to slide horizontally just inside and along the board wall. On the outside of each window opening the rustless screen is tacked closely. This allows for proper airing without introducing any mosquitoes. The door should swing inward, with a screen door outside swinging outward. These arrangements permit of very comfortable regulation of the air on hot days and nights.

The eatables will be canned goods and cereals, with such fruits and vegetables as may be obtainable at the nearest grocery. For animal food, the lodger has easiest access to fish, oysters and clams. He will in general be his own cook, unless provision shall be made for an assistant, who would be most serviceable and at times almost a necessity. In some instances there will be assistance from oystermen.

A prime necessity is a rowboat, which may or may not be provided with a sail, a "sneak box" is handy. This boat should be adapted to the character of the sea where the grounds are located. In deep, exposed waters the boat must be safe.

COST OF THE OBSERVATION SERVICE

Practically all the laboratory apparatus needed for this service can be secured for thirty-five dollars. At this price The A. H. Thomas Co., of Philadelphia, have prepared our sets of instruments, according to our specifications, including the microscope. The oyster tongs can usually be borrowed, and a boat may generally be rented, otherwise it will cost from fifteen to thirty-five dollars or more if provided with sail, but boat rental is so high that it will pay to buy the boat outright. Kitchen and dormitory equipment will cost all of fifty dollars. So that the outfit, including house, should cost two hundred and fifty dollars.

As to the cost of maintenance. The salary of the summer observer should not be less than one hundred, and might even

reach a hundred and fifty if engaged for three full months. The cost of board and incidentals could be kept under fifty per month. So the outside summer cost would be three hundred dollars. By care, this might be reduced to a sum equal to that of the cost of establishing a station, leaving fifty dollars as pay for the winter observations.

An appropriation of a thousand dollars would be needed to maintain three stations, while to establish the same would require perhaps eight hundred more, if a house is erected at each station, and correspondingly less if houses can be found already located in favorable situations.

TABLE OF FAHRENHEIT AND CENTIGRADE EQUIVALENTS (APPROXIMATE)

Fah	Cent	Fah	Cent	Fah	Cent	Fah	Cent	Fah	Cent
32	0	46.5	8	62	16.7	76	24.5	91	32.8
33	0.5	47	8.3	62.5	17	77	25	91.5	33
34	1	47.3	8.5	63	17.2	78	25.5	92	33.3
34.7	1.5	48	9	63.5	17.5	79	26	92.3	33.5
35	1.7	49	9.5	64	17.8	79.7	26.5	93	34
35.5	2	50	10	64.5	18	80	26.7	94	34.5
36	2.2	51	10.5	65	18.3	80.5	27	95	35
36.5	2.5	52	11	65.3	18.5	81	27.2	96	35.5
37	2.8	52.7	11.5	66	19	81.5	27.5	97	36
37.5	3	53	11.7	67	19.5	82	27.8	97.7	36.5
38	3.3	53.5	12	68	20	82.5	28	98	36.7
38.3	3.5	54	12.2	69	20.5	83	28.3	98.5	37
39	4	54.5	12.5	70	21	83.3	28.5	99	37.2
40	4.5	55	12.8	70.7	21.5	84	29	99.5	37.5
41	5	55.5	13	71	21.7	85	29.5	100	37.8
42	5.5	56	13.3	71.5	22	86	30	100.5	38
43	6	56.3	13.5	72	22.2	87	30.5	101	38.3
43.7	6.5	57	14	72.5	22.5	88	31	101.3	38.5
44	6.7	58	14.5	73	22.8	88.7	31.5	102	39
44.5	7	59	15	73.5	23	89	31.7	103	39.5
45	7.2	60	15.5	74	23.3	89.5	32	104	40
45.5	7.5	61	16	74.3	23.5	90	32.2		
46	7.8	61.7	16.5	75	24	90.5	32.5		

For a full report of our summer work at Barnegat, see the Report of the Biologist for 1911, in the Annual Report of the Agricultural College Experiment Station, situated at New Brunswick, N. J.

Respectfully submitted,
 JULIUS NELSON,
 Biologist, N. J. Agr. College Ex. Sta.

Delaware Bay, Maurice River Cove and Raritan Bay Report.

To the Bureau of Shell Fisheries

Pursuant to and in conformity with the several statutes on the subject, and the rules and regulations of the Bureau, the undersigned, New Jersey State Oyster Commission submit this our annual report for the fiscal year ending October 31, 1911

The general conditions of the oyster industry in the territory under our jurisdiction are much more satisfactory than during the preceding two years. The planted oysters have made rapid growth and our planters and shippers find ready market for their product.

Proper sanitation continues to receive due and careful attention. All surface drainage in the vicinity of the floats at Bivalve and Maurice River has been eliminated. On a recent examination of the Delaware Bay and Maurice River Cove oyster grounds by the State Board of Health, all appeared well satisfied with the result.

All laws regulating the industry have been well observed.

Reports indicate a smaller catch of spat in the upper bay than for several years past, but this will no doubt tend to promote growth of the oysters generally in the bay and cove.

Our receipts from leases and license fees for the fiscal year are about one hundred dollars less than for last year, while our expenditures are well within the sums appropriated.

We beg leave to refer to the annexed report of our Superintendent for detailed report of our receipts. Moneys expended under our supervision are shown in the report of the State Comptroller.

Respectfully submitted,

EDMUND STITES, JR.
ERNEST L. MULFORD,
OGDEN GANDY,

WILLIAM SHILLINGSBURG,
State Oyster Commission

Superintendent's Report

GENTLEMEN—I herewith submit to you my annual statement of receipts from all sources for the fiscal year ending October 31, 1911

From licenses issued to vessels in Delaware Bay,	\$9,409 50
“ leases issued for oyster grounds in Maurice River Cove,	13,607 00
“ survey fees for oyster grounds in Maurice River Cove,	1,194 00
“ sale of maps for oyster grounds in Maurice River Cove,	10 50
“ licenses issued to vessels in Raritan Bay,	168 00
“ leases issued for oyster grounds, Raritan Bay,	557 00
	<hr/>
	\$24,946 00

Annexed hereto and made a part hereof, you will find schedules in alphabetical form, showing the name and post-office address of the master or owner of all boats or vessels licensed to catch, plant and grow oysters in Delaware River, Delaware Bay, Maurice River Cove and Raritan Bay, in the State of New Jersey, including the tonnage, license number and license fee of such licensed boats or vessels. In like form the name and post-office address of all lessees of oyster lands lying under the waters of Delaware Bay, Maurice River Cove, and Raritan Bay, in the said State of New Jersey, also, designating the lessee or lessees, lease number, ground number, section letter, total acreage and rentals

Respectfully submitted,
A T BACON,
Superintendent

November 1, 1911

Ocean County

To the Bureau of Shell Fisheries

Pursuant to and in conformity with the provisions of the act of April 14, 1903 (P L 1903, p 709), the undersigned, New Jersey State Oyster Commission for the district of Ocean County, make this our annual report for the fiscal year ending October 31, 1911

After a careful review of the history of oyster culture in our district, and a broad observation of present conditions, warrant us in the conclusion that the business is at a standstill, and if we were of a pessimistic nature, we would be forced to admit a gradual decline

When we look about us and see what our neighboring States are doing in fostering and caring for this great industry, with no better natural advantages than our own, our position is one of profound embarrassment to say the least. New York, Connecticut and Rhode Island passed through the same experience and met these same conditions. It is only a few years since they looked to us for a large portion of their supply of seed for their planters for cultivating purposes. What a change has come around! Now we do not produce one-tenth of the seed used by our local planters, while the eastern States not only produce seed for all their own needs for their crops for cultivation, but furnish seed for the Pacific coast and export thousands of barrels annually to foreign countries.

The problem for us to solve is not a hard one in any sense of the term, providing we have the aid of those in authority. Several times in our former reports we have endeavored to point out what we believed to be the needs of the citizens engaged in this important industry, have advocated the passage of such laws that would be a decided benefit to the entire Commonwealth.

Only a few years ago the State recognized the importance of this valuable asset and adopted a very liberal policy of shelling and restocking our barren seed beds and produced thousands of bushels of seed, this was soon abandoned. We are not asking

to have these conditions restored, but to adopt such laws as will permit individuals to use these lands that are now practically abandoned by the State

The present law under which we operate has served a good purpose as it has clearly established the rights of all concerned, but with the passing of time and changing of conditions, it is necessary to revise the law from time to time to better meet the new demands, and better serve the people directly interested

Your department has on several occasions made an effort to secure the much-needed legislation, but for reasons unknown to us the Legislature failed to pass such bills as were introduced

In all of the eastern States the oystermen have formed and maintain Oystermen's Associations, their object being for mutual benefit and protection, the results of the workings of these associations have proven to be of great benefit to their common cause. One of the important committees of these associations is the legislative committee, when important matters arise, they are thoroughly discussed and the legislative committee directed to recommend to the Legislature such changes in the law as will better serve them. We are of the opinion that such an association in our district would be of much benefit, believing it would create a more harmonious feeling among the oystermen and give the matter of making and changing laws more weight with our representatives in the Legislature

We strongly urge you to exert every influence and use all honorable means to secure the desired legislation that we so much need and that will give new life to the industry in our district

In conclusion we desire to extend our hearty thanks for the valuable assistance from the Bureau of Shell Fisheries and assure you of our co-operation in all things that will better serve the citizens engaged in sea-food culture

For a detailed report of our expenditures for the past year, we refer you to the report of the State Comptroller

Respectfully submitted,

PHILIP R SPRAGUE,
LORENZO D ROBBINS,
JESSE GRANT,

Commissioners

Superintendent's Report

GENTLEMEN—I hereby submit to you my report as Oyster Superintendent for the period ending October 31st 1911

In submitting my report at this time I am more than ever reminded of the great importance of the oyster industry to all the people of our State and more particularly to the citizens in the oyster-growing districts. I have many times made recommendations in my reports, which I believed would give the proper relief and create a new life in the business and with the passing of time, and a broader experience I am more than ever convinced that the suggestions I have made are absolutely correct

I do not wish to create the impression that I am trying to make an experiment. I only desire to call attention to the progress being made by other oyster-producing States, with no better opportunities than ours with the same laws governing

While every citizen of New Jersey is particularly well acquainted with the oyster, yet practically few understand the magnitude of the industry and the possibilities of its future development. Pages might be written of the good, old days when our ancestors day in and day out vigorously plied their tongs and transported their catch by the boat-load. All this is ancient history and but a remembrance, the profligacy of man has long since almost exhausted nature's bounty and we must see to it that the need of oyster propagation be further recognized. I have gone into this matter very carefully in my former reports and made what I believe to be valuable suggestions, with many years of practical experience in oyster culture, have added the counsel of many experienced oystermen, the unanimous opinion is that the State should take under control the large, but now unproductive, areas described, and by appropriate legislation make it possible to lease to individuals lands for the propagation of oyster seed. This would not only be the means of supplying

ample seed for the planters at reasonable cost, but would give the State a large revenue from rentals of now barren and unproductive lands

The one dominating thought of all concerned for the welfare of the industry is the need for development of the natural seed beds. Immense territory lying under the tidal waters of the State and capable of producing thousands of bushels of seed oysters are now absolutely neglected because no well-defined policy concerning them has been adopted. Seed-growing and oyster-planting are separate and distinct branches. It is the seed-growing grounds that I more particularly refer to, and must not be confused with the grounds used and adapted for oyster-planting. Grounds that are suitable for propagating seed are totally unfit for planting and cultivating oysters, and grounds suitable for planting and cultivating oysters are worthless as propagating grounds.

After a crop of oysters is cleaned up from the planted grounds it can immediately be planted with seed, but not so with the seed grounds. Continuous scraping and carting away and putting nothing back can have but one result, and that is our condition to-day. Beds, shells, cultch and all other material for the young oysters to adhere to are all gone and never to return under existing conditions.

There is not the slightest question as to the possibility of restoring these barren grounds to their former condition. It remains only for the State to grasp the opportunity, for the Legislature to enact the proper laws to bring the industry to its highest plane of development.

Another important suggestion to which I desire to call your attention is the change of the open season for working the natural seed beds. I find no opposition from any source whatever to this provision, as it would have a decidedly beneficial effect to all concerned.

The present law provides an open season from October 1st to April 30th. I would suggest that the open season be made to open the second Monday in April to May 30th of each year.

Annexed hereto you will find schedules showing the names

and post-office addresses of all lessees of oyster lands in this district and the acreage leased to them.

The following is a correct statement of moneys received by me during the fiscal year ending October 31st, 1911

For oyster ground rentals, \$2,221 25

Thanking you for the courtesy you have always shown me, and assuring you that it will be my earnest desire to continue to merit the same so long as I may be permitted to serve you

Very respectfully,

E. A. HORNER, JR.,
Superintendent

Atlantic County.

To the Bureau of Shell Fisheries

The State Oyster Commission for the District of Atlantic County herewith respectfully submit their annual report for the year ending October 31st, 1911

The Commission only having been in office about a month at the time of making this report, we are not in position to say at the present time just what the conditions have been in the past year

In the Mullica River the catch has been abundant, more so than for years

In the Great Egg Harbor River there was no catch on the public beds and on the leased grounds the catch was very small. It is our belief that leased grounds in the Great Egg Harbor River should be given to the public and the Edge Oyster Bill should be repealed, inasmuch as they are the only grounds in this river which there are any oysters for the public to catch

The following shows the expenditures of the Commission for the year ending October 31st, 1911

For patrol service ,	\$1,921 74	
“ stationery and incidentals,	243 24	
“ survey of oyster grounds,	138 40	
	<hr/>	\$2,303 38

Shark River District

Report of the Oyster and Clam Commission of the District of Shark River, in the county of Monmouth, for the year ending October 1, 1911, pursuant to chapter 14 of the laws of 1905, entitled "An act for the regulation, protection and control of the planting, cultivating and the gathering or taking of oysters and clams on lands covered with water in Shark River, in the county of Monmouth," approved March 7, 1905

Receipts from oyster bed leases,	\$232 00
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DISBURSEMENTS

April 1, 50 2-cent stamps,	\$1 00
May 1, 25 2-cent stamps,	50
Seacoast, 250 bill heads,	1 25
News Co, 250 envelopes,	1 25
	4 00
	\$228 00

Respectfully submitted,

C P HAMMELL, *Chairman,*

D F CAVILEER,

WILLIAM BABCOCK,

Commissioners

STATE OF NEW JERSEY, }
 COUNTY OF MONMOUTH, } ss

A Frank Bennett, Jr, of full age, being duly sworn according to law, on his oath saith, that he is an Oyster and Clam Commissioner named in the foregoing report, that the same is a true and correct account of his receipts and disbursements for the year ending October 1, 1911, to the best of his knowledge and belief for the said Shark River Oyster and Clam District

A FRANK BENNETT, JR

Sworn and subscribed before me this 11th day of November 1911

JAMES E ALLEN,

Notary Public

Delaware Bay and Maurice River Cove Boat Licenses.

NAME	ADDRESS	No	Tonn	Date	Term	Amount
Abbott Abdon	Port Norris	244	18	April 30 1911	1 year	\$27 00
Abbott Abdon Jr	Port Norris	422	10	March 30 1911	1 year	15 00
Adams J Wesley	Port Norris	431	15	March 31 1911	1 year	22 50
Allen Edward H	Bivalve	136	10	April 2 1911	1 year	15 00
Arnold James	Linton	450	33	March 25 1911	1 year	49 50
Bailey A J	Port Norris	332	21	April 1 1911	1 year	31 50
Bailey David	Port Norris	115	Under	April 1 1911	1 year	10 00
Bailey Lafayette	Dividing Creek	138	16	April 1, 1911	1 year	24 00
Baker Edward	Haletville	77	10	March 30 1911	1 year	15 00
Banks Deloy C	Newport	560	Under	May 13 1911	1 year	10 00
Bass John M	Newport	198	Under	April 24 1911	1 year	10 00
Bateman Amicus	Millville	239	31	April 1 1911	1 year	46 50
Bateman B F	Newport	160	34	April 1 1911	1 year	51 00
Bateman Elmer	Port Norris	156	30	April 4 1911	1 year	45 00
Bateman Moses	Mauricetown	81	16	March 31 1911	1 year	24 00
Bell John S	Newport	119	15	March 31 1911	1 year	22 50
Bell William	Leesburg	501	13	April 1 1911	1 year	19 50
Berry Benjamin	Port Norris	158	30	April 5 1911	1 year	45 00
Berry Charles	Port Norris	195	23	March 31 1911	1 year	34 50
Berry Harry	Port Norris	81	24	March 31 1911	1 year	36 00
Berry John W	Port Norris	82	32	April 30 1911	1 year	48 00
Berry Stultz	Port Norris	5	32	March 30 1911	1 year	48 00
Berry Walter J	Port Norris	357	14	April 5 1911	1 year	21 00
Badwell Wm	Bivalve	286	10	April 1 1911	1 year	15 00
Blackman Smith	Port Norris	213	23	April 11 1911	1 year	34 50
Blizzard Geo M	Cedarville	562	10	April 26 1911	1 year	15 00
Blizzard Hnam	Cedarville	429	8	April 30 1911	1 year	12 00
Blizzard Stetson	Cedarville	437	Under	April 30 1911	1 year	10 00
Bornhoist August	Port Norris	185	15	March 31 1911	1 year	22 50
Bornhoist Henry	Port Norris	366	16	March 31 1911	1 year	24 00
Bowler Charles	Dividing Creek	473	16	April 1 1911	1 year	24 00
Bowler Thomas	Port Norris	194	26	April 23 1911	1 year	39 00
Bradford Alford	Newport	7	10	April 1 1911	1 year	15 00
Bradford Chas L	Newport	96	35	April 1 1911	1 year	52 50
Bradford Lemuel	Newport	250	26	April 1 1911	1 year	39 00
Bradshaw John P	Bridgeton	111	41	April 2 1911	1 year	61 50
Brandiff Walter	Port Norris	430	10	April 28 1911	1 year	15 00
Brant Robert	Camden	41	27	April 24 1911	1 year	40 50
Bruschults John M	Cedarville	42	43	Oct 5 1911	1 year	64 50
Brielsford Athur	Port Norris	22	9	March 29 1911	1 year	13 50
Broadwatere John	Port Norris	80	13	April 29 1911	1 year	19 50
Buck George H	Greenwich	557	7	May 11 1911	1 year	10 50
Burnight George	Newport	183	11	March 31 1911	1 year	16 50
Burns Jacob	Dividing Creek	249	Under	April 29 1911	1 year	10 00
But George	Cedarville	25	24	May 27 1911	1 year	36 00
Cain Ellis	Port Norris	180	16	March 31 1911	1 year	24 00
Campbell Archie	Port Norris	110	19	March 24 1911	1 year	28 50
Campbell Clement L	Newport	34	30	March 22 1911	1 year	45 00
Campbell Dayton	Port Norris	68	16	April 29 1911	1 year	24 00
Campbell Harry O	Newport	372	11	March 23 1911	1 year	16 50
Campbell Peter	Newport	227	33	April 19 1911	1 year	49 50
Campbell Philip F	Newport	241	26	March 29 1911	1 year	39 00
Campbell Stetson L	Port Norris	426	26	April 5 1911	1 year	39 00
Campbell Walter	Port Norris	240	27	April 2 1911	1 year	40 50
Campbell Wilson A	Newport	218	30	April 1 1911	1 year	45 00
Chance Eli W	Mauricetown	325	25	April 28 1911	1 year	37 50
Chance John S	Leesburg	488	11	March 29 1911	1 year	16 50
Chew Wm V	Port Norris	137	15	April 20 1911	1 year	22 50
Clark John	Port Norris	262	12	Jan 1 1911	1 year	18 00
Clark Joshua	Port Norris	16	35	Dec 16 1911	1 year	52 50
Clark William	Bivalve	117	7	April 28 1911	1 year	10 50
Coff James	Port Norris	120	8	April 27 1911	1 year	12 00
Collins William T	Camden	472	Under	April 1, 1911	1 year	10 00

DELAWARE BAY AND MAURICE RIVER COVE BOAT
 LICENSES—Continued

NAME	ADDRESS	No	Tonn	Date	Term	Amount
Conahay George R	Port Norris	43	18	April 12 1911	1 year	\$27 00
Corsabone George	Cedarville	104	10	April 29 1911	1 year	15 00
Coison, Champion	Cedarville	212	12	April 1 1911	1 year	18 00
Corson Dudley	Port Norris	168	9	April 11 1911	1 year	13 50
Cosier, Lucius E	Newport	75	26	March 31 1911	1 year	39 00
Cosier Wm W	Dividing Creek	408	14	April 5 1911	1 year	21 00
Covert Charles A	Leesburg	411	15	April 2 1911	1 year	22 50
Cox, Champion H	Leesburg	427	14	April 1 1911	1 year	21 00
Cox Raymond	Cedarville,	147	13	April 1 1911	1 year	19 50
Crossley George	Newport	51	10	April 26 1911	1 year	15 00
Cruise Benjamin B	Mauricetown	191	27	April 1 1911	1 year	40 50
Cruise David K	Dorchester	322	12	March 31 1911	1 year	18 00
Daniels David	Bigdgeton	199	24	April 1 1911	1 year	36 00
Diamant Wm A	Cedarville	32	22	Sept 23 1911	1 year	53 00
Dillahay Samuel J	Port Norris,	39	Under	March 31 1911	1 year	10 00
Dillahay, Wm	Cedarville	11	Under	April 12 1911	1 year	10 00
Dolson Ferdinand	Cedarville	98	7	April 28 1911	1 year	10 50
Donnelly Lorenzo	Heislerville,	135	24	April 27 1911	1 year	36 00
Eagan John	Camden	186	42	April 20 1911	1 year	63 00
Earl Thomas	Port Norris	308	14	March 31 1911	1 year	21 00
Emerson Horatio	Cedarville	268	11	April 27 1911	1 year	16 50
Errickson Samuel	Leesburg	49	38	April 2 1911	1 year	57 00
Evans Edgar	Millville	337	32	April 1 1911	1 year	48 00
Evans, Norman	Millville	154	20	April 1 1911	1 year	30 00
Ferguson Lewis	Leesburg	266	17	April 1 1911	1 year	25 50
Fernes John	Greenwich	72	45	April 12 1911	1 year	67 50
Fidler Charles,	Leesburg	139	10	April 13 1911	1 year	15 00
Fidler Frank,	Dennisville	392	18	March 30 1911	1 year	27 00
Fisher, John	Port Norris	238	Under	April 10 1911	1 year	10 00
Flynn John,	Port Norris	70	14	April 1 1911	1 year	21 00
Foster Linwood W	Camden	14	31	April 12 1911	1 year	46 50
Gandy, Ephraim,	Delmont	281	13	April 1, 1911	1 year	19 50
Gandy Miles	Dividing Creek	128	Under	April 29 1911	1 year	10 00
Garetton Samuel H	Cedarville	88	28	April 1 1911	1 year	42 00
Garrison Charles	Haleyville	397	10	April 1 1911	1 year	15 00
Garrison Daniel C	Port Norris	105	34	April 11 1911	1 year	51 00
Garrison, Frank L	Heislerville	285	Under	April 1 1911	1 year	10 00
Garrison Joseph	Dividing Creek,	358	28	March 31, 1911	1 year	39 00
Garrison, Powell J,	Dividing Creek	235	10	April 1, 1911	1 year	15 00
Garrison, Richard	Dividing Creek	90	7	March 14 1911	1 year	10 50
Garrison Walter C	Port Norris	170	23	Oct 12 1911	1 year	34 50
Gaskill Elcana	Port Norris	273	8	April 29 1911	1 year	12 00
Gaskill George S	Port Norris	84	36	April 28 1911	1 year	54 00
Gaskill Jesse P	Port Norris,	439	23	March 30 1911	1 year	34 50
Gates Harv A	Newport	455	27	April 1 1911	1 year	40 50
Gates James	Newport	279	34	April 30 1911	1 year	51 00
Goff Olive	Newport	341	25	April 6, 1911	1 year	37 50
Green Samuel	Heislerville	210	20	March 31 1911	1 year	30 00
Green Sacates	Port Norris	132	9	April 28 1911	1 year	13 50
Hager Samuel	Port Norris	4	10	April 1 1911	1 year	15 00
Haggerty Harry	Port Norris	99	47	April 21 1911	1 year	70 50
Haley Clarence	Port Norris	44	35	April 24 1911	1 year	52 50
Hand Harrison	Greenwich	229	14	May 1 1911	1 year	21 00
Hand Leonard C	Mauricetown,	269	16	March 31 1911	1 year	24 00
Hand Wooduff	Port Norris	250	14	March 29 1911	1 year	21 00
Hanners John	Port Norris	257	11	May 16 1911	1 year	16 50
Hanners McClellan	Mays Landing	300	33	Jan 1 1911	1 year	49 50
Harrington Gerald	Newport	479	16	March 31 1911	1 year	31 50
Harris John W Jr	Newport	236	26	April 28 1911	1 year	39 00
Harris John W	Port Norris	143	21	April 17 1911	1 year	31 50
Hartzog Wm	Leesburg	465	16	March 31 1911	1 year	24 00
Hasher Lummis	Leesburg	63	14	March 31 1911	1 year	21 00
Henderson George	Dorchester	265	8	March 25 1911	1 year	12 00
	Port Norris	246	Under	April 30, 1911	1 year	10 00
	Millville					

 DELAWARE BAY AND MAURICE RIVER COVE BOAT
 LICENSES—Continued

NAME	ADDRESS	No	Tonn	Date	Term	Amount
Henderson, Wm L	Leesburg	8	17	April 1, 1911	1 year	\$25 50
Hickmah Isaac	Port Norris	19	19	April 13 1911	1 year	28 50
Hignut Frank	Port Norris	79	31	April 1, 1911	1 year	46 50
Hignut Vincent	Port Norris,	405	16	April 21, 1911	1 year	24 00
Hiles George S	Haleyville	91	10	April 1 1911	1 year	15 00
Hillman Chas	Leesburg,	57	34	April 22, 1911	1 year	51 00
Hinson Aithur,	Mauricetown	171	32	Sept 5, 1911	1 year	48 00
Hinson Harold E	Leesburg	403	15	March 31, 1911	1 year	22 50
Hinson, Wm T	Mauricetown	106	27	April 1, 1911	1 year	40 50
Hoffman Silas	Port Norris	155	33	April 28 1911	1 year	49 50
Hoffman William	Leesburg	1	36	Dec 9, 1911	1 year	54 00
Hollinger Harrison	Port Norris	335	23	May 1 1911	1 year	34 50
Holmes Gilbert	Pierces	585	17	April 24, 1911	1 year	25 50
Howell Forrest	Millville	293	25	Jan 1 1911	1 year	37 50
Hunter Aaron S	Haleyville	218	10	April 1 1911	1 year	15 00
Hunter William C	Haleyville	3	15	Sept 1, 1911	1 year	22 50
Husted Quincy L	Newport	118	21	Sept 30, 1911	1 year	31 50
Husted William	Newport	133	18	April 1 1911	1 year	27 00
Ingesoll Charles M	Dividing Creek,	280	13	March 15 1911	1 year	19 50
Insley Vaughn L	Port Norris	187	18	March 31 1911	1 year	27 00
Jeffries, Robert	Port Norris	328	14	April 27 1911	1 year	21 00
Jenkins Samuel	Dividing Creek	301	Under	April 26 1911	1 year	10 00
Jenkins William	Dividing Creek	532	Under	April 30, 1911	1 year	10 00
Johnson Charles W	Newport	349	14	March 24 1911	1 year	21 00
Johnson Charles F	Cedarville	71	18	Nov 1 1911	1 year	27 00
Johnson Frank	Greenwich	336	24	April 12 1911	1 year	36 00
Johnson George W	Green Creek	228	8	April 25 1911	1 year	12 00
Johnson, Grover,	Newport	208	10	March 31 1911	1 year	15 00
Josephson Robert	Newark	222	37	Sept 21 1911	1 year	55 50
Joshn Harrison	Newport,	69	30	April 1 1911	1 year	45 00
Joshn Zephaniah,	Newport	56	9	March 30, 1911	1 year	13 50
Joshn Zephaniah	Newport	53	Under	April 28 1911	1 year	10 00
Ladlow Sylvanus A	Dividing Creek	365	8	March 15 1911	1 year	12 00
Lake John T	Port Norris	165	23	March 29 1911	1 year	34 50
Lake Samuel C	Port Norris	583	13	April 1 1911	1 year	19 50
Land William H	Port Norris	166	19	April 28 1911	1 year	28 50
Lawrence Frank	Cape May	178	7	April 30 1911	1 year	10 50
Leach William	Greenwich	52	20	Jan 1 1911	1 year	30 00
Lee Daniel,	Leesburg	296	12	March 29, 1911	1 year	18 00
Lee, Frank	Leesburg	258	10	March 31 1911	1 year	15 00
Lee Harry M	Port Norris	207	24	March 28 1911	1 year	36 00
Lee Maurice R	Port Norris,	223	15	April 21 1911	1 year	22 50
Lee Samuel	Leesburg	267	12	March 27 1911	1 year	18 00
Lee Steelman R	Leesburg,	221	33	Jan 1 1911	1 year	49 50
Lee Uriah S	Leesburg,	344	14	April 8 1911	1 year	21 00
Lillston Thomas	Greenwich,	182	45	April 12 1911	1 year	67 50
Lodge James	Greenwich	121	27	April 24, 1911	1 year	40 50
Lopez Beriah	Dividing Creek,	21	35	Jan 2 1911	1 year	52 50
Lord Harry	Heislerville	163	9	April 1 1911	1 year	13 50
Lore Addie,	Newport,	174	40	April 23 1911	1 year	60 00
Lore Isaac C	Newport	62	21	Nov 21 1911	1 year	31 50
Lore U S Grant	Cedarville	37	27	Jan 1, 1911	1 year	40 50
Lloyd Albert G	Port Norris	530	9	April 1 1911	1 year	13 50
Lloyd George	Port Norris,	400	16	March 29 1911	1 year	24 00
McDaniels, Howard	Leesburg	354	13	April 1 1911	1 year	19 50
McDaniels, John	Port Norris,	588	21	April 20 1911	1 year	31 50
Meeiwald Augustus J	Dennisville,	204	27	April 30 1911	1 year	40 50
Mints Howard F	Dividing Creek	109	Under	April 20, 1911	1 year	10 00
Moffett James	Camden,	45	25	April 1 1911	1 year	37 50
Moore Charles,	Port Norris	197	8	April 24 1911	1 year	12 00
Moore Hamilton	Cedarville	102	32	April 30 1911	1 year	48 00
Moore Isaac	Dividing Creek,	233	Under	April 28 1911	1 year	10 00
Moore Oscar	Port Norris,	9	25	April 3 1911	1 year	37 50

DELAWARE BAY AND MAURICE RIVER COVE BOAT
 LICENSES—Continued

NAME	ADDRESS					
		No	Tonn	Date	Term	Amount
Moore Samuel K	Fairton	129		23 April 30, 1911	1 year	\$34 50
Moore, Thomas	Port Norris	17		40 March 18 1911	1 year	60 00
Moore, William S	Cedarville	175		7 May 9 1911	1 year	10 50
Morris Thomas E	Greenwich	94		4b March 25, 1911	1 year	67 50
Mulford, Elmer	Bridgeton,	116		20 April 4 1911	1 year	30 00
Mulford, Ralph J	Cedarville	10		21 April 1 1911	1 year	31 50
Newcomb, Adram B.	Newport	377		25 March 29 1911	1 year	37 50
Newcomb Daniel L	Port Norris	20		12 March 25 1911	1 year	18 00
Newcomb, Edward	Greenwich	35		35 March 26 1911	1 year	52 50
Newcomb George D M.	Newport	317		30 March 22, 1911	1 year	45 00
Newcomb George W C	Newport	308		33 Sept 17 1911	1 year	49 50
Newcomb Lewis B	Cedarville	475		10 March 26, 1911	1 year	15 00
Newcomb Theophilus,	Port Norris	97		18 March 25, 1911	1 year	27 00
Newcomb William B.	Newport	26		43 April 2 1911	1 year	64 50
Nicholson, Henry,	Port Norris,	144		41 Feb 17 1911	1 year	61 50
Nickerson, Harry C	Port Norris,	376		11 March 31 1911	1 year	16 50
Oden Columbus,	Cedarville,	209		33 March 28, 1911	1 year	49 50
O'Hara Harry	Port Norris,	89		25 April 1, 1911	1 year	37 50
Orr, John H	Dividing Creek,	92		27 April 20, 1911	1 year	40 50
Orr Mark	Dividing Creek,	351		10 March 22 1911	1 year	15 00
Pashley Charles	Dividing Creek,	64		15 March 22 1911	1 year	22 50
Pepper, Frank	Port Norris,	406		16 April 1 1911	1 year	24 00
Pepper, Jacob	Dividing Creek	6		21 April 3 1911	1 year	31 50
Perry William	Port Norris,	219		21 April 25 1911	1 year	31 50
Peterson, Aaron,	Millville	78		10 April 1, 1911	1 year	15 00
Peterson, Charles S	Newport,	55		21 April 3, 1911	1 year	31 50
Peterson George C	Newport,	255		28 April 3, 1911	1 year	42 00
Peterson, James	Port Norris,	318		21 April 3 1911	1 year	31 50
Peterson, John C	Greenwich,	200		40 April 3 1911	1 year	60 00
Peterson, William B	Port Norris	316		25 Sept 15, 1911	1 year	37 50
Pew Frank	Greenwich,	152		33 Sept 2 1911	1 year	49 50
Phillips, A	Camden,	173		23 March 19 1911	1 year	34 50
Phillips, George P	Port Norris	375		24 April 30 1911	1 year	36 00
Phillips, William	Port Norris	252		22 April 13 1911	1 year	33 00
Pickering George	Greenwich	298		36 March 19 1911	1 year	54 00
Pierce John	Dochester,	310		15 March 31, 1911	1 year	22 50
Pierce William H	Dorchester,	451		8 April 23 1911	1 year	12 00
Polhamus Benage F	Leesburg,	131		14 April 29, 1911	1 year	21 00
Polhamus, Joseph G	Vineland	203		24 March 28 1911	1 year	36 00
Polhamus Oscar	Leesburg,	189		Under May 1, 1911	1 year	10 00
Polhamus William	Leesburg,	93		18 April 30, 1911	1 year	27 00
Rahr David	Bricksboro	388		12 April 7 1911	1 year	18 00
Randolph, Andrew	Port Norris,	314		14 April 14 1911	1 year	21 00
Randolph George W,	Leesburg,	416		19 March 26 1911	1 year	28 50
Read John	Port Norris,	167		14 April 1 1911	1 year	21 00
Ruggin, Bentley	Port Norris,	184		22 April 29 1911	1 year	33 00
Ruggin Charles M,	Port Norris,	251		18 April 1, 1911	1 year	27 00
Ruggin Edward M	Port Norris	394		14 April 2 1911	1 year	49 50
Ruggin, Walter C.	Port Norris	6		33 April 1 1911	1 year	49 50
Robbins Clarence M	Port Norris	20		33 April 28, 1911	1 year	34 50
Robbins, David, Jr,	Port Norris	237		23 April 1 1911	1 year	52 50
Robbins, David	Port Norris	172		35 March 28 1911	1 year	24 00
Robbins Edward C,	Haleyville,	125		16 April 7, 1911	1 year	39 00
Robbins George,	Port Norris,	50		26 April 1 1911	1 year	27 00
Robbins, Levi	Port Norris,	345		18 April 8, 1911	1 year	19 50
Robbinson Silas	Dividing Creek	58		13 March 31, 1911	1 year	16 50
Robinson Edgar	Dennisville,	516		11 March 30 1911	1 year	72 00
Rocks, William	Camden	559		49 April 26 1911	1 year	15 00
Rowley Bates L	Port Norris	202		10 March 29, 1911	1 year	27 00
Sayre George	Bivalve	352		18 April 1 1911	1 year	21 00
Scott Benoni	Newport	297		14 March 31 1911	1 year	24 00
Sharp, Halleck	Dochester,	47		16 April 1 1911	1 year	24 00
Sharp, John F,	Port Norris,	315		21 March 22, 1911	1 year	31 50

 DELAWARE BAY AND MAURICE RIVER COVE BOAT
 LICENSES—Continued

NAME	ADDRESS					
		No	Tonn	Date	Term	Amount
Sharp, John W	Leesburg	418	13	March 26 1911	1 year	\$19 50
Shaip, Walter L	Port Norris	164	18	April 12, 1911	1 year	18 00
Sharp, Zadok, Jr	Leesburg,	107	35	April 5 1911	1 year	52 50
Sharp, Zadok	Leesburg,	181	45	April 30 1911	1 year	67 50
Sharpless John P	Leesburg,	468	21	March 30 1911	1 year	31 50
Sharpless Maurice	Leesburg,	141	10	March 30 1911	1 year	15 00
Shaw, George	Dochester	205	21	Dec 8, 1911	1 year	31 50
Shaw Howard	Dochester	153	25	Sept 1 1911	1 year	37 50
Sheppard Lewis F	Cedarville	23	32	April 4, 1911	1 year	48 00
Sheppard S Ware	Newport	86	43	Nov 13 1911	1 year	64 50
Shoephire Edward	Haleyville	122	32	Oct 23, 1911	1 year	48 00
Shull Roscoe	Port Norris	192	32	April 11 1911	1 year	24 00
Shull Samuel B	Dividing Creek	192	16	March 27, 1911	1 year	10 50
Simms Benjamin	Cedarville	95	7	April 23 1911	1 year	22 50
Simpkins Thomas	Cedarville	127	15	April 8, 1911	1 year	21 00
Smith Asa S C	Leesburg	149	14	March 27 1911	1 year	19 50
Smith Henry	Newport	215	33	April 15 1911	1 year	49 50
Smith Seth	Leesburg	302	14	March 31 1911	1 year	21 00
Sockwell Howard W	Port Norris	161	42	April 15 1911	1 year	63 00
Solomon Allen	Dividing Creek	142	Under	April 29 1911	1 year	10 00
Spencer Elmer	Newport	290	Under	March 28 1911	1 year	10 00
Spiker George	Port Elizabeth	38	22	April 29 1911	1 year	33 00
Stites Gilbert	Dragton	214	12	Sept 1 1911	1 year	18 00
Stites Nathan	Dorchester	320	16	March 25, 1911	1 year	24 00
Suttel Harry	Port Norris	231	10	April 30, 1911	1 year	15 00
Suttel John	Port Norris	146	13	April 3 1911	1 year	19 50
Suttel William,	Port Norris	330	15	April 30 1911	1 year	22 50
Sutton Clarence M	Bridgeton,	30	26	March 19 1911	1 year	37 50
Sutton Ernest,	Bridgeton,	283	25	March 26 1911	1 year	37 50
Sutton, Harry W	Leesburg	162	14	March 31 1911	1 year	21 00
Swing Leonard	Faunton	15	24	April 18, 1911	1 year	36 00
Tarbuton Elmer	Greenwich	29	41	April 20, 1911	1 year	61 50
Taylor Osborne D,	Port Norris	264	Under	April 29 1911	1 year	10 00
Terry, George M	Dividing Creek,	76	22	Oct 6 1911	1 year	33 00
Terry William F	Port Norris	485	19	April 16, 1911	1 year	28 50
Townsend Stacy	Leesburg	65	11	April 28 1911	1 year	16 50
Tozour Charles	Delmont	230	12	March 28 1911	1 year	18 00
Turner Charles	Newport	134	26	March 22 1911	1 year	39 00
Turner Leaming,	Dividing Creek	288	29	April 1 1911	1 year	43 50
Turpin Howard	Haleyville	391	12	March 28 1911	1 year	18 00
Tweed, John	Greenwich	130	32	April 9 1911	1 year	48 00
Vail Jeremiah	Dividing Creek,	193	Under	April 23 1911	1 year	10 00
Vail William A	Bridgeton	224	27	April 21 1911	1 year	40 50
Vail William Jr,	Dividing Creek	101	7	April 1 1911	1 year	10 50
Vail William A Jr	Port Norris,	33	28	Oct 25 1911	1 year	42 00
VanVhet William	Newport	436	10	April 1 1911	1 year	15 00
Veal William	Dividing Creek	12	21	Oct 16 1911	1 year	31 50
Wallen David	Faunton	24	18	March 25 1911	1 year	27 00
Wallen, Henry	Faunton	340	20	March 30 1911	1 year	30 00
Ward John W	Camden	36	24	March 30 1911	1 year	36 00
Warren Harry,	Bridgeton	100	43	Nov 21 1911	1 year	64 50
Welden William H	Newport	211	21	April 1 1911	1 year	31 50
Westcott George H	Faunton	145	18	April 1 1911	1 year	27 00
Whilden Clarence,	Mauricetown	113	18	March 28 1911	1 year	27 00
Whilden Fluence,	Leesburg,	54	19	Oct 18, 1911	1 year	28 50
Whilden John H	Fairton	378	11	April 12 1911	1 year	16 50
Whilden Somers H	Mauricetown	40	31	March 28 1911	1 year	46 50
Williams Whitefield	Heslerville	48	17	April 29, 1911	1 year	25 50
Willing Marion C,	Port Norris,	114	10	April 1 1911	1 year	15 00
Windfohn Arthur	Bivalve	112	13	April 28, 1911	1 year	19 50

BUREAU OF SHELL FISHERIES

Raritan Bay Boat Licenses.

NAME	ADDRESS	No	Tonn	Date	Term	Amount
DeGroot William	Keypoint	30	30	April 8	1911 year	\$45 00
Hanna James L	Keypoint	678	Tong	July 10	1911 year	15 00
Mason John W	Keypoint	20	Tong	July 10	1911 year	5 00
Mason Lorenzo	Keypoint	22	Under	July 10	1911 year	26 00
Maurer William	Keypoint	32 33 34 35	Tong	July 10	1911 year	21 00
Maurer William	Keypoint	23	Under	July 10	1911 year	10 00
Post Fred E	Keypoint	64	Under	April 6	1911 year	20 00
Woolley William E	Keypoint	37 38 39 40	Tong	July 10	1911 year	27 00
Woolley William E	Keypoint	41	Tong	July 18	1911 year	

Delaware Bay and Maurice River Cove Oyster Bed Leases.

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Abbott Abdon	Port Norris	8	16	\$8 00	June 20 1911	1 year				
Adams J Wesley	Port Norris	2	77	38 50	June 20 1911	1 year	184	226	68	195
Adams & Cobb,	Port Norris	6	20	10 00	June 20 1911	1 year	200			
Adams & Cook,	Port Norris	1	12	6 00	June 20 1911	1 year			538	
Adams & Holmes	Port Norris	3	19	9 50	June 20 1911	1 year			560	
Allen Ed H	Bivalve	4	38	19 00	June 20, 1911	1 year		228	316	218
Bacon & Bell	Mauricetown	10	23	*8 00	June 20 1911	1 year				402
Bacon & Lake	Port Norris	16	23	11 50	June 20 1911	1 year				236
Bailey, Lafayette,	Dividing Creek	21	52	26 00	June 20, 1911	1 year				279
Bailey & Dilks	Port Norris	40	56	28 00	June 20, 1911	1 year				205
Bailey & Peace	Port Norris	20	66	*34 00	June 20 1911	1 year		175	248	84
Baker, Edward	Haleyville	14	18	9 00	June 20 1911	1 year	336			392
Baker & Sharp,	Haleyville	11	10	5 00	June 20 1911	1 year	275			358
Bass, John M	Newport	63	18	9 00	June 20 1911	1 year				395
Bateman J Robt,	Mauricetown,	9	18	9 00	June 20 1911	1 year			114	
Bateman, Luther,	Newport	33	336	*176 50	June 20 1911	1 year	264	250	459	97
Bateman, Rebecca	Newport	17	60	30 00	June 20 1911	1 year				72
Bateman, M & C	Newport	45	34	17 00	June 20 1911	1 year				267
Bateman & Bateman	Cedarville	31	124	*64 50	June 20 1911	1 year				112
Bateman, Bateman & Blizard,	Port Norris,	58	14	7 00	June 20, 1911	1 year				10

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

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NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Bradford Lemuel	Newport,	62	111	\$55 50	June 20 1911	1 year			71	143
								430	295	391
									470	87
Bradford Lucius E	Newport	37	61	30 50	June 20 1911	1 year			516	252
Bradford & Vannaman	Newport,	19	31	15 50	June 20, 1911	1 year			274	
									179	429
Bradshaw John T	Bridgeton	61	25	10 00	June 20 1911	1 year			25	
Bradway (Mis) C M	Cape May City	36	7	5 00	June 20 1911	1 year			76	283
Bineshults & Mayhew	Cedarville	38	223	102 50	June 20 1911	1 year			77	324
									154	455
									159	456
										458
Bineshults Wallen & Fithian	Cedarville	39	15	7 50	June 20 1911	1 year			153	
Brought Stites & Stites	Newport	48	33	16 50	June 20 1911	1 year				410
Buzine & Garrison	Heslerville	41	84	*42 50	June 20, 1911	1 year	106		301	413
							206		550	
Burns Halsey	Dividing Creek	13	6	5 00	June 20 1911	1 year				445
Cain Ellis L,	Port Norris	94	53	26 50	June 20 1911	1 year			85	96
										277
										461
Callahan John R	Millville	75	9	5 00	June 20 1911	1 year			187	
Campbell A & W	Port Norris	68	59	*23 50	June 20 1911	1 year			212	32
									141	541
									132	70
Campbell, James	Mauricetown	71	73	36 50	June 20 1911	1 year			19	401
										430
										376
Campbell James,	Newport,	83	138	*71 50	June 20, 1911	1 year	65		328	154
							195		408	206
										246
										160
										51
Campbell, Winfield,	Bivalve	99	13	6 50	June 20, 1911	1 year			143	58
Campbell, James & A B,	Newport	100	10	5 00	June 20, 1911	1 year				492

BUREAU OF SHELL FISHERIES

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Campbell, James & Wilson	Newport	81	77	\$38 50	June 20 1911	1 year			91	153
									284	
									332	
									407	
Campbell James Wilson & Philip	Newport,	98	22	*12 00	June 20 1911	1 year				416
Campbell Peter	Newport	87	222	*108 00	June 20 1911	1 year	231		337	130
							235		293	161
									568	286
										412
Campbell Peter,	Newport	398	44	22 00	June 20, 1911	1 year			258	
Campbell Sheppard	Newport	394	15	7 50	June 20 1911	1 year				327
Campbell Sheppard	Newport	392	10	5 00	June 20 1911	1 year			254	
Campbell Smith	Dividing Creek	69	8	5 00	June 20 1911	1 year				11
Campbell Campbell Campbell & Campbell	Newport	97	62	*35 00	June 20 1911	1 year				598
Campbell & Mints	Dividing Creek	70	28	14 00	June 20 1911	1 year				508
Campbell & Robbins	Bivalve	103	244	*112 00	June 20 1911	1 year			223	200
										247
										297
										249
										219
										533
										446
										605
Chance Eli W	Mauricetown	74	95	44 50	June 20 1911	1 year			51	224
							209			373
							101			
Chance Chance & Bacon	Mauricetown	104	10	5 00	June 20, 1911	1 year			206	
Clark John & Howard	Port Norris	93	40	20 00	June 20 1911	1 year			124	267
Clark Joshua John & Howard	Port Norris	95	14	7 00	June 20 1911	1 year			247	
Clark William W	Port Norris	66	18	9 00	June 20 1911	1 year				28
Cobb Glendon Hunt Barnes & Maier	Cedarville	396	24	12 00	June 20 1911	1 year				344
Collins William T	Camden	101	35	17 50	June 20 1911	1 year			18	455
Covert & Lee	Leesburg	102	179	89 50	June 20 1911	1 year			197	100
									100	330
									111	312
									131	479
									137	

BUREAU OF SHELL FISHERIES

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DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Cox, Iilburn & Champion H	Leesburg	*92	28	\$21 50	June 20 1911	1 year			577	
Chew Bateman & Henry	Port Norris	89	48	24 00	June 20 1911	1 year			171	177
Chew William V	Port Norris	88	10	5 00	June 20 1911	1 year			202	468
Compton Howard	Leesburg	325	31	15 50	June 20 1911	1 year		55	207	
Compton Wilson & Harris	Leesburg	328	50	*26 50	June 20 1911	1 year		61		258
Compton & Wilson	Leesburg	326	38	23 00	June 20 1911	1 year			614	
Conahay & Bornhorst	Port Norris	52	10	5 00	June 20 1911	1 year	89			
Conahay & Yates	Port Norris	65	44	*24 00	June 20 1911	1 year		131		326
Cook F J	Port Norris	73	204	*103 50	June 20 1911	1 year			240	505 264
									210	7 441
									211	205
									112	519
									120	518
									165	252
									69	
Cosier & Gates	Newport	77	22	11 00	June 20 1911	1 year			478	99
										78
Cosier & Husted	Newport	76	28	14 00	June 20 1911	1 year			259	
Cruise Benjamin B	Murrietown	85	131	63 50	June 20 1911	1 year	169		94	103
									358	185
									608	
Cruise David R.	Dorchester	84	53	26 50	June 20 1911	1 year	170		512	335
Cosier Julius F	Newport	86	53	26 50	June 20 1911	1 year		238	186	151
Cosier Peter C	Newport	78	212	114 00	June 20 1911	1 year			258	71
									260	110
									241	290
									569	
									604	
Cosier William W	Dividing Creek	67	16	8 00	June 20 1911	1 year			480	70
Cosier Cosier More & Wall	Newport	79	19	9 50	June 20 1911	1 year			357	72
Cox Champion H	Leesburg	72	80	40 00	June 20 1911	1 year			14	237
									182	
									177	

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Cox C H & L	Leesburg	90	16	*\$1 00	June 20 1911	1 year	183			
Cox J & L	Leesburg	91	75	37 50	June 20 1911	1 year			15	227
									128	
									129	
									83	
Cox Raymond	Cedarville	92	28	14 00	June 20 1911	1 year				366
										471
Dillahay & Fagan	Port Norris	108	39	*26 50	June 20 1911	1 year	256	146		
Dodson Thomas L	Heislerville	107	53	26 50	June 20 1911	1 year		31	507	253
Donnelly Lorenzo	Heislerville	106	32	16 00	June 20 1911	1 year				278
Donnelly & Donnelly	Heislerville	105	107	53 50	June 20 1911	1 year			389	
									208	
									164-158	
									284-165	
Edmonds & Garrison	Port Norris	112	55	27 50	June 20 1911	1 year			69	362 207
Erickson & Compton	Leesburg	113	118	*51 50	June 20 1911	1 year		30	206	
									109	620
									253	
Evans Joshua	Millville	114	22	11 00	June 20 1911	1 year			208	
Evans Evans & Evans	Millville	111	174	87 00	June 20 1911	1 year			273	
Fagan Raymond	Port Norris	125	80	*37 50	June 20 1911	1 year		199	513	92
									201	440
Fagan Dillahay & Jeffries	Port Norris	124	44	22 00	June 20 1911	1 year			240	
Ferguson Argus S	Leesburg	120	51	*21 50	June 20 1911	1 year			135	336
										66
										307
Fidler Frank	Dennsville	116	23	11 50	June 20 1911	1 year		24		
Fithian & Minch	Bridgeton	117	234	*117 50	June 20 1911	1 year		153	150	234 150
									75	287
									118	
									126	
									465	
									277	
									482	
Fithian & Sutton	Bridgeton	126	16	8 00	June 20 1911	1 year			86	
Flynn John	Camden	119	108	54 00	June 20 1911	1 year			508	314
									514	
									486	
Foster W Linwood	Delmont	118	21	10 50	June 20 1911	1 year	110	15		

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Fowler, Wilham B,	Port Norris	121	208	\$104 00	June 20, 1911	1 year				
Fowler & Morris	Port Norris	122	13	6 50	June 20 1911	1 year		178	498	472
Gandy, Ephraim	Dividing Creek,	135	9	5 00	June 20 1911	1 year		100	183	
Gandy Miles	Cedarville	128	204	108 00	June 20 1911	1 year	250		583	
Gandy & Sheppard	Cedarville	395	22	11 00	June 20 1911	1 year	156		449	9
Gandy & Vangilder,	Maurice River	132	117	58 50	June 20 1911	1 year	32			104
Garetson S H	Haleyville	136	12	6 00	June 20 1911	1 year				292
Garetson & Bailey	Haleyville	129	12	6 00	Jan 18 1911	1 year		204		
Garetson & Bailey	Haleyville	129	12	6 00	June 20 1911	1 year		145		
Garrison F L	Dividing Creek	133	12	6 00	June 20 1911	1 year		145		
Garrison Joseph	Dividing Creek	131	19	9 50	June 20 1911	1 year			19	
Garrison Joseph M,	Port Norris	134	63	31 50	June 20 1911	1 year	162	162	9	102
Garrison Powell, Sr	Dividing Creek,	140	10	5 00	June 20 1911	1 year		16	559	255
Garrison, Walter C,	Dividing Creek	139	13	6 50	June 20 1911	1 year				453
Garrison & Bonham	Dividing Creek	138	41	20 50	June 20 1911	1 year	209			348
Gaskill George S	Port Norris	127	132	*67 50	June 20 1911	1 year	286	142	295	187
									579	339
									596	483
									27	
Gaskill John,	Newport,	130	268	*146 50	June 20 1911	1 year	52		106	134
							333		444	294
							213		476	289
									592	483
									611	
Green Samuel,	Port Norris	137	8	5 00	June 20 1911	1 year	223			
Green Socrates	Port Norris	390	10	5 00	June 20 1911	1 year	155			
Hageman A C	Camden	167	215	*105 50	June 20, 1911	1 year	136	184	296	208
							161	207	524	386
								127	522	193
								22	523	81
								99	88	
Hager, Sherman,	Port Norris,	143	57	*28 00	June 20, 1911	1 year	84	197		488

BUREAU OF SHELL FISHERIES

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Haley Clarence	Mauricetown,	148	48	\$24 00	June 20 1911	1 year				
Haley S Douglass	Mauricetown	141	6	5 00	June 20 1911	1 year		156		
Hand Constant W	Port Norris	155	238	120 50	June 20, 1911	1 year		249		
								233	310	486
								116	553	378
								58	474	456
									150	142
									193	176
									418	175
										35
Hand Harrison,	Port Norris	162	38	19 00	June 20 1911	1 year				374
Hand & Berry,	Port Norris	152	92	46 00	June 20, 1911	1 year		118	213	
									578	
								214	488	
Hand & Berry William H	Port Norris	176	17	8 50	June 20 1911	1 year		122		
Hand Berry & Berry	Port Norris	151	159	79 50	June 20 1911	1 year			406	
							139		23	157
									368	168
Hand & Campbell	Port Norris	153	274	*123 00	June 20 1911	1 year			409	261
								182	421	317
								177	317	
								209	127	428
									356	
Hand Joslin & Joslin	Port Norris	154	15	7 50	June 20 1911	1 year				
Hand & Newell	Leesburg	157	31	*17 00	June 20 1911	1 year			56	418
Hanneis McClellan	Newport	158	39	19 50	June 20 1911	1 year			56	418
Harrington, Gerald,	Port Norris	164	48	24 00	June 20 1911	1 year		167	574	363
									155	
Harris John W Jr	Leesburg	172	28	14 00	June 20 1911	1 year			188	316
Harris John	Leesburg	147	76	*38 50	June 20 1911	1 year			93	
Harris & Hiles,	Haleyville	173	6	5 00	June 20, 1911	1 year	130			
Havens William E	Millville	144	10	5 00	June 20 1911	1 year	300			
Hearn Margriet	Port Norris	145	70	39 50	June 20 1911	1 year			37	
									214	
									437	
									96	
									500	
Heintz Harry E	Millville	175	43	*29 00	June 20 1911	1 year		103		382
										86
Henderson George	Millville	397	10	5 00	June 20 1911	1 year			.6	
Henderson, Lafayette,	Leesburg	168	108	*55 00	June 20 1911	1 year	152	64	381	355
									245	

BUREAU OF SHELL FISHERIES

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

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NAME	ADDRESS	Lease No	Acreage	Amount	Date		Term	Section			
								A	B	C	D
Henry & Buzby	Port Norris	163	255	\$128 50	June 20	1911	1 year				
								121	144	146	
								115	121	147	
								Sec C			
								208-315		111	105
								313	203	323	
								A	B		
Hettinger Henry A	Bridgeton	161	75	37 50	June 20	1911	1 year	260		248	203
Hiles & Hiles	Haleyville	171	26	*13 50	June 20	1911	1 year			602	439
										233	
Hinson Harold E	Mauricetown	149	57	28 50	June 20	1911	1 year	269		314	365
										380	15
Hinson William T	Mauricetown	170	13	6 50	June 20	1911	1 year		7	305	191
Hinson & Biteman	Mauricetown	150	390	195 00	June 20	1911	1 year	262		224	119
								180		367	131
										431	44
										520	
										97	
										98	
										95	
										63	106
Hollinger Harrison	Port Norris,	165	38	19 00	June 20	1911	1 year	207			
Hollinger & Bradford	Port Norris	174	10	5 00	June 20	1911	1 year				319
Holmes Gilbert	Pieces	169	13	6 50	June 20	1911	1 year	335			
Howell Forest G	Millville	142	90	43 00	June 20	1911	1 year	278	147	616	
Hunter Aaron	Haleyville,	159	36	18 00	June 20	1911	1 year	204			235
								206			155
								205			18
								212			
Hunter William C	Haleyville	160	26	13 00	June 20	1911	1 year				
Husted Howard S	Bridgeton,	166	62	31 00	June 20	1911	1 year			107	165
										108	
										412	
Husted & Husted	Newport	156	55	27 50	June 20	1911	1 year				338
											464
											465
Ingorsoll, Charles M	Dividing Creek,	178	13	*6 00	June 20	1911	1 year			491	397

BUREAU OF SHELL FISHERIES

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

U S F

NAME	ADDRESS	Lease No	Acreage	Amount	Date		Term	Section			
								A	B	C	D
Ingorsoll & Campbell	Dividing Creek	179	9	\$5 00	June 20	1911	1 year				
Insley & Willing	Port Norris	177	26	13 00	June 20	1911	1 year				477
Jantsen & Hollinger,	Port Norris	184	11	5 50	June 20	1911	1 year		218		
Jeffries Robert	Port Norris	180	28	*12 00	June 20	1911	1 year			151	
										532	
Jenkins William	Dividing Creek	185	10	5 00	June 20	1911	1 year				260
											396
Johnson Charles F	Cedarville	182	156	*78 50	June 20	1911	1 year			93	340
										285	
										416	
										454	
Johnson, Charles W	Newport	186	54	27 00	June 20	1911	1 year	252			263
Joslin Benjamin S	Newport,	190	95	47 50	June 20	1911	1 year			262	41
										261	98
										84	
										593	
Joslin Howard	Newport	189	12	*7 00	June 20	1911	1 year				362
Joslin Joslin & Joslin	Newport	188	37	*19 00	June 20,	1911	1 year				379
Joslin & Moncrief	Newport	181	9	5 00	June 20	1911	1 year				171
Joslin Moncrief Mulford & Mulford,	Newport	187	45	*23 00	June 20	1911	1 year			240	353
										411	
Ladlow Hammell	Bridgeton	200	8	5 00	June 20	1911	1 year				82
Ladlow Sylvanus	Dividing Creek	199	32	16 00	June 20	1911	1 year				333-11
Lake David R	Pleasantville,	202	19	9 50	June 20	1911	1 year			148	
										66	
										79	
Lake John T	Port Norris	195	163	*86 00	June 20	1911	1 year	174		165	423
										216	114
										164	196
										187	
Lake J Hammitt	Port Norris	196	17	8 50	June 20	1911	1 year		92		
Lake Samuel C	Port Norris	209	130	*77 50	June 20	1911	1 year			154	204
										599	
Lake Little Bateman & Bradford,	Newport	207	55	*30 00	June 20	1911	1 year			595	
										372-609-221	612
										247	215

BUREAU OF SHELL FISHERIES

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DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section				
							A	B	C	D	
Land William H	Port Norris	203	112	\$55 00	June 20	1911	1 year	238 291 125 193	180	543 547	
Lee Addie	Leesburg	216	14	*4 00	June 20	1911	1 year	192			
Lee Daniel	Leesburg	212	9	5 00	June 20	1911	1 year		35		
Lee Frank	Leesburg	208	6	6 00	June 20	1911	1 year				
Lee Harry M	Port Norris	197	106	*51 00	June 20	1911	1 year		234	143 138	144 401
Lee Maurice R	Port Norris	205	37	18 50	June 20	1911	1 year	292	134		262 454
Lee Samuel	Leesburg	194	58	*27 00	June 20	1911	1 year		220		228 424 239
Lee Samuel	Leesburg	214	7	5 00	June 20	1911	1 year				16
Lee & Henderson	Leesburg	217	22	*12 00	June 20	1911	1 year	37			449
Fullston & Sharpless	Leesburg	211	12	6 00	June 20	1911	1 year		185		
Lloyd Albert G	Port Norris	204	10	5 00	June 20	1911	1 year		139		
Loper & Peterson	Cedarville	215	17	8 50	June 20	1911	1 year		136		
Loie & Tribbett	Hessleville	192	19	*10 00	June 20	1911	1 year		217		368
Loie Addie	Newport	210	81	40 50	June 20	1911	1 year				296
Loie J Tylet	Newport	213	13	6 50	June 20	1911	1 year				387
Loie Louisa	Millville	201	28	14 00	June 20	1911	1 year				166
Loie Nathaniel J	Dividing Creek	206	6	5 00	June 20	1911	1 year			441	
Loie R T & Son	Camden	198	188	94 00	June 20	1911	1 year		29	271 156 429	128 152 309
Loie Loie & Loie	Cedarville	193	101	57 00	June 20	1911	1 year		395		88 273 288 444
McCain Charles G,	Leesburg	225	43	21 50	June 20	1911	1 year			9	293 60 67
										219	135

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section				
							A	B	C	D	
McDaniels Major & Howard	Port Norris	231	30	\$15 00	June 20	1911	1 year	60			299
McDaniels Major & John	Port Norris	236	29	*16 00	June 20	1911	1 year				442 370
McDaniels Willard	Port Norris	234	10	5 00	June 20	1911	1 year		144		
McGugan & Muston	Cedarville	235	13	*5 50	June 20	1911	1 year				427
McEwald A J	Dennisville	222	159	79 50	June 20	1911	1 year	31			
Meier John Jr,	Camden	232	11	5 50	June 20	1911	1 year	239			249
Moore E S	Budgeton	233	30	15 00	June 20	1911	1 year				285
Moore Isaac	Dividing Creek	224	10	5 00	June 20	1911	1 year				259
Moore & Moore	Budgeton	221	126	63 00	June 20	1911	1 year			521 484 587	329
Moore Oscar & Everett	Port Norris	230	16	*11 00	June 20	1911	1 year		152		
Moore William S	Cedarville	237	16	8 00	June 20	1911	1 year		44		
Moore & Henry	Fairton	218	48	24 00	June 20	1911	1 year				305
Moie Robert	Budgeton	220	78	39 00	June 20	1911	1 year			115	187
Mulford A G & J R	Cedarville	219	65	32 50	June 20	1911	1 year			80 113 81 535 124	331
Mulford Edhram (Est)	Budgeton	229	14	7 00	June 20	1911	1 year				257
Mulford, Mahlin	Fairton	226	9	5 00	June 20	1911	1 year				124
Mulford & Mulford	Budgeton	227	476	238 00	June 20	1911	1 year	99	130 73	334 346 50 562 117 120 331 529	390 50 55 63
Mulford Mulford & Mulford (Est),	Budgeton	228	283	141 50	June 20	1911	1 year			131 330 388 463 130	181

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Neal, Joseph D,	Philadelphia,	249	437	\$218 50	June 20, 1911	1 year	120 157	101 63	182 289 335 450	74
Newcomb Adram B	Newport	238	119	*60 50	June 20, 1911	1 year			256 291 341 414 589	389
Newcomb, George W C	Newport	246	59	*29 00	June 20, 1911	1 year			428	169 448
Newcomb J & D L	Port Norris	247	60	30 00	June 20 1911	1 year			506	313 178
Newcomb Lewis B,	Cedarville	242	44	*23 00	June 20 1911	1 year			87	45 65 387
Newcomb Olin W,	Port Norris	239	37	18 50	June 20 1911	1 year				135 141 527
Newcomb Peter, F,	Newport	244	193	*101 50	June 20, 1911	1 year			133	162 297 189 427 343 159 463 136 75
Newcomb P F & G W C	Newport	245	38	19 00	June 20 1911	1 year				137
Newcomb Favette	Port Norris	241	52	*29 00	June 20 1911	1 year	257	163		
Newcomb Theophilus	Port Norris	243	86	43 00	June 20, 1911	1 year		141 171	443	135 320
Newcomb William B	Newport	240	31	15 50	June 20 1911	1 year				426
Nickelson Henry C	Port Norris	248	53	*28 00	June 20 1911	1 year		18	67	265 384
Nickerson Harry	Port Norris	253	30	15 00	June 20 1911	1 year	127			301
Nieukirk James P	Camden	252	27	*17 00	June 20 1911	1 year				308
Nieukirk & Nieukirk	Camden	250	98	49 00	June 20 1911	1 year				253 230 28
O Hara, Harry,	Port Norris,	255	13	6 50	June 20 1911	1 year		51		

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Orr John H,	Dividing Creek,	256	54	\$30 50	June 20 1911	1 year				122 254 419
Orr Mark L	Dividing Creek	257	31	15 50	June 20 1911	1 year			300	118 274
Orr & Mnts	Dividing Creek	258	14	7 00	June 20, 1911	1 year			299	19
Pashlev Charles	Dividing Creek,	261	15	7 50	June 20, 1911	1 year				367
Peace William M	Port Norris	262	70	35 00	June 20 1911	1 year		88	189	202
Pepper & Pepper	Port Norris	266	121	*64 00	June 20 1911	1 year		111 225 221		133 139 140 372 478 34
Peterson George C	Newport	268	162	*83 50	June 20 1911	1 year	237		242	324 459
Peterson & Bateman	Port Norris	263	184	*91 00	June 20 1911	1 year		107 108	188 192	120 201 212 489 225 408 381 394
Peterson & Moore	Newport	264	21	10 50	June 20 1911	1 year				
Peterson & Peterson	Port Norris,	272	95	*50 00	June 20 1911	1 year		151		
Pettit Charles	Bivalve	271	9	5 00	June 20, 1911	1 year				
Pierce William H	Dorechester	270	10	5 00	June 20 1911	1 year	163			
Pierce & Pennell	Dorechester	265	46	23 00	June 20, 1911	1 year	233			
Polhamus H & E	Leesburg	260	10	*5 00	June 20 1911	1 year		244		
Polhamus William	Vineland	273	16	8 00	June 20 1911	1 year				
Polhamus William	Leesburg	267	56	28 00	June 20 1911	1 year				351 ² 345 584 30 204 382 204 581
Polhamus William & Benage,	Leesburg	39-	50	25 00	Dec 20 1910	6 mts				480

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Polhamus & Stowman	Vimeland	289	75	\$32 50	June 20, 1911	1 year	255	10	103	380
Rahr David	Bricksboro	295	29	14 50	June 20 1911	1 year	211		190	85
Randolph Andrew	Poit Norris	293	31	15 50	June 20 1911	1 year	222		583	
Randolph & Adams	Leesburg	303	24	12 00	June 20 1911	1 year	154		78	375
Reed & Robbins	Poit Norris	301	58	*29 50	June 20 1911	1 year	203		385	482
							199		270	302
									302	399
Riggin Charles M	Poit Norris	302	17	8 50	June 20 1911	1 year		193	572	
Riggin O M & E M	Poit Norris	290	34	17 00	June 20 1911	1 year	221		321	
Riggin Edward M	Poit Norris	291	106	53 00	June 20 1911	1 year			223	
									225	
Riggin Riggin & Riggin	Poit Norris	276	60	*35 00	June 20 1911	1 year				434
Riggin Riggin Riggin & Stites	Poit Norris	275	62	*13 00	June 20 1911	1 year				291
Riggin Walter C	Poit Norris	288	82	*41 50	June 20 1911	1 year	191		573	49
										46
Riggin W C & C M	Poit Norris	289	41	20 50	June 20 1911	1 year			394	61
Robbins C M	Poit Norris	284	95	47 50	June 20 1911	1 year	117	82	286	48
							294		390	68
Robbins D T	Poit Norris	286	12	5 00	June 20 1911	1 year				221
Robbins David J	Poit Norris	282	147	*78 00	June 20, 1911	1 year	220	176	288	242
							62		325	272
									287	
									294	
									246	
Robbins David, Sr,	Poit Norris	281	241	*124 50	June 20 1911	1 year	175	110	197	349
								68	306	
								72	438	
									417	
									439	
									473	
									487	
									54	
									55	
									56	

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Robbins Edward C	Haleyville	279	37	\$18 50	June 20 1911	1 year			59	113
									61	
									62	
Robbins George	Poit Norris	283	190	91 50	June 20 1911	1 year	74	54	45	406
							166	71	89	
							252	129	440	
									470	
Robbins, Henry S	Poit Norris	277	333	166 50	June 20, 1911	1 year	58	89	198	108
							59		199	24
							123		200	115
									468	138
									511	
									250	
									365	
Robbins H S & C M	Poit Norris	285	31	15 50	June 20 1911	1 year			24	
Robbins Levi,	Poit Norris,	278	45	22 50	June 20, 1911	1 year		97	317	116
									479	
									60	
Robbins Levi & Edward C	Haleyville	280	122	61 00	June 20 1911	1 year	265	102	64	303
								113		
								126		
								128		
Robbins Sheppard,	Poit Norris	287	51	25 50	June 20 1911	1 year	138		146	124
									402	125
Robbins Wilbert H	Poit Norris	346	22	*8 50	June 20, 1911	1 year		159		404
Robbinson Silas J	Dividing Creek	292	34	17 00	June 20 1911	1 year			76	376
										89
Robinson, H & Doia	Dennisville	304	18	9 00	June 20 1911	1 year	263			
Robbins & O Neil	Poit Norris	299	40	20 00	June 20 1911	1 year			515	318
Robbins Robbins & Robbins,	Poit Norris	300	34	*8 00	June 20, 1911	1 year			502	435
									619	
Robbins & Sutte	Poit Norris	297	10	5 00	June 20, 1911	1 year				334
Rogers Maurice A	Camden	296	744	372 00	June 20, 1911	1 year	316	106	490	141
							189	8	99	12
							188		461	13
							186		226	298
									347	
									348	
									377	
									176	

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

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NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Rogers & Whilden,	Mauricetown,	298	310	\$155 00	June 20 1911	1 year	190		383	33
							53		75	62
							91		384	
								435		
								74		
								586		
Rowly L B	Port Norris	294	43	*23 00	June 20 1911	1 year		190	137	304
Schoch George G	Ocean City,	313	230	115 00	June 20 1911	1 year	104	161	339	215
							103	149		37
							243			39
							105			
							217			
Schoch & Sharp,	Port Norris,	314	90	45 00	June 20 1911	1 year	214		227	469
										38
										93
Schoch & Vall	Bridgeton,	315	274	137 00	June 20 1911	1 year	218	119	375	36
							219	194	92	
							270		442	
									453	
Schwartz Cobb & Cobb	Port Norris	343	28	14 00	June 20 1911	1 year				231
										458
Sharp Albert R ,	Haleyville	306	24	12 00	June 20 1911	1 year			546	
Sharp John W	Leesburg	347	21	10 50	June 20 1911	1 year				312
Sharp Walter L	Port Norris,	340	21	10 50	June 20 1911	1 year	230			220
Sharp Walter M	Bridgeton	342	10	5 00	June 20 1911	1 year		192		
Sharp & Polhamus	Vineland	344	83	41 50	June 20, 1911	1 year	113		496	269
							295		8	
									6	
Sharp & Williams	Heislerville	345	36	*18 50	June 20 1911	1 year			379	437
Sharpless John	Leesburg	324	243	119 00	June 20 1911	1 year	134	205	405	107
							133	208	168	197
							90	17	460	240
										474
Sharpless Maurice	Leesburg,	349	8	5 00	June 20 1911	1 year				446
Sharpless Maurice	Leesburg,	348	18	9 00	June 20 1911	1 year				446
Sheldon & Bell	Newport,	351	4	5 00	June 20 1911	1 year				388

BUREAU OF SHELL FISHERIES

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Sheppard Harrison	Mauricetown	312	248	\$124 00	June 20 1911	1 year	168		191	346
									196	27
									376	
									231	
									374	
Sheppard L & N	Dividing Creek	350	5	5 00	June 20, 1911	1 year				400
Sheppard Lewis F	Cedarville	318	260	*130 50	June 20 1911	1 year		202	116	184
								200	119	180
									336	409
									344	332
									311	361
									585	
Sheppard & Sheppard	Newport	321	128	64 00	June 20 1911	1 year	237		122	129
									257	
									276	
									278	
									415	
									425	
									466	
Sheppard S Ware	Newport	352	7	5 00	June 20 1911	1 year				430
Shropshire Edward	Haleyville	316	100	*47 50	June 20 1911	1 year	216	172	232	
							196		386	
							249		419	
Shull Harry	Newport	331	14	7 00	June 20 1911	1 year				42
Shull John L	Newport	317	211	105 50	June 20 1911	1 year	234	84	237	172
								83	85	64
									329	
									607	
Simms W (Est)	Cedarville	320	79	39 50	June 20 1911	1 year			269	341
									333	
Simpkins Thomas	Cedarville	337	94	47 00	June 20 1911	1 year			125	342
									326	
									396	
Smith A C & S S	Leesburg	330	108	*46 50	June 20 1911	1 year	33	198		281
							288			
Smith Henry C	Newport	309	12	6 00	June 20 1911	1 year				410

BUREAU OF SHELL FISHERIES

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DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section				
							A	B	C	D	
Smith & Sheppard	Newport	322	107	\$53 50	June 20 1911	1 year			272 298 452 606 615		
Smith & Sheppard Snell Warren H SocKwell Howard W	Newport Port Norris Port Norris	338 310 311	2 9 523	8 00 5 00 *269 00	June 20 1911 June 20 1911 June 20 1911	1 year 1 year 1 year	210 274 287	45 50	540 222 228	460	
							Section C 47 48 49 50 52 44			349 366	
							A B		11 11		
SocKwell & Gaskill SocKwell & Gaskill Stites Edmund J	Port Norris Port Norris Port Norris	308 308 332	24 24 354	12 00 12 00 *174 00	June 20 1911 Jan 21 1911 June 20 1911	1 year 6 mts 1 year	297	173	152 361 393 399		
							Sec C 153 483 322			423 617	
							A B		571	211	
Stites & Garrison	Port Norris	334	46	*22 00	June 20 1911	1 year			369	369	
Stites & Newcomb	Port Norris	333	92	94 50	June 20 1911	1 year			255 591	411	
Stites Gilbert & John	Dragston	329	31	15 50	June 20 1911	1 year	226	222		79 80	
Stites & Stites Stites Stites & Newcomb	Newport Newport	336 335	18 167	9 00 85 50	June 20 1911 June 20 1911	1 year 1 year			398 243 118 422	52	
Sutter William Sutton Joseph Sutton William G,	Port Norris Leesburg Bridgeton	305 319 339	20 13 70	10 00 6 50 35 00	June 20 1911 June 20 1911 June 20 1911	1 year 1 year 1 year	229 119		600	188	

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section					
							A	B	C	D		
Taylor D Osborne Ferry George N Terry G & P N Terry & Veal	Port Norris Dividing Creek Dividing Creek Dividing Creek	362 353 364 354	10 28 25 86	\$5 00 14 00 12 50 43 00	June 20 1911 June 20 1911 June 20 1911 June 20 1911	1 year 1 year 1 year 1 year	251		404	117		
							105 232					
Tilghman Eva, Tippehauer Joseph T Turpin & Collins Townsend Mark	Port Norris Port Norris Mauricetown Port Norris	367 365 366 358	26 13 12 95	13 00 6 50 5 00 47 50	June 20 1911 June 20 1911 June 20 1911 June 20 1911	1 year 1 year 1 year 1 year	194		552 364	109		
								229 359 387				
Townsend Stacy,	Leesburg	359	55	*28 50	June 20 1911	1 year		60 215 138		356		
Tozou, Charles Tozou & Armstrong Tozou & Foster Turner James A Jr	Delmont Delmont Delmont Newport	360 363 361 355	20 15 35 99	10 50 7 50 17 50 50 00	June 20 1911 Jan 18 1911 June 20 1911 June 20 1911	1 year 6 mts 1 year 1 year		155 545 253	603 613	100 447 452 432		
Turner Leaming	Dividing Creek	357	58	29 00	June 20 1911	1 year	285			123 182 20 350 76		
Turner, May Vail William A, Jr VanVleet William, Veal Moses Veal William, Veal & Lopez	Newport Dividing Creek Newport Dividing Creek Dividing Creek Dividing Creek	356 368 260 370 372 371	16 9 21 18 15 373	8 00 5 00 10 50 9 00 7 50 *192 00	June 20 1911 June 20 1911 June 20 1911 June 20 1911 June 20 1911 June 20 1911	1 year 1 year 1 year 1 year 1 year 1 year		501	575	127		
								243 277 282	125 69	290 353 226	132	
								170 203	457 397	359 21		
								570		126		

DELAWARE BAY AND MAURICE RIVER COVE OYSTER BED LEASES—Continued

NAME	ADDRESS	Lease No	Acreage	Amount	Date	Term	Section			
							A	B	C	D
Wallen Wallen & Whitaker	Fauntou	373	273	\$186 50	June 20 1911	1 year				
										153
										192
										91
										178
										230
										235
										308
										525
Webb Swank	Bivalve	379	9	5 00	June 20 1911	1 year				140
Westcott & Trenchard	Budgeton	374	141	70 50	June 20 1911	1 year		36		275
										268
										32
										57
										58
Whilden Clarence B	Mauricetown	380	18	-13 00	June 20 1911	1 year	187			
Whilden John H	Farton	376	41	20 50	June 20 1911	1 year	38			149
							74			
Whilden Somers H	Mauricetown,	377	13	6 50	June 20 1911	1 year				385
Wilson Ralph	Leesburg	327	28	14 00	June 20 1911	1 year				544
Windfoh Arthur	Bivalve,	328	59	*34 00	June 20 1911	1 year				150
								181		172
								148		148
Yates G Christy	Port Norris	383	164	*81 50	June 20, 1911	1 year	224	160	195	223
								241	485	398
								245	472	
								246	378	
Yates Lucius E	Port Norris	386	286	143 00	June 20 1911	1 year	290	227	157	111
									77	40
									350	164
									392	198
									194	121
									381	224
									424	250
										457
Yates Hoffman & Robbins	Port Norris	388	212	106 00	June 20 1911	1 year	159	123	494	
							271	229	497	
									487	
									65	
Yates & Peterson	Port Norris	385	79	39 50	June 20 1911	1 year			235	
Yates Yates & Peterson	Port Norris	387	104	52 00	June 20, 1911	1 year			109	149
									124	217
										303
										307

* Indicates a debit or credit arising from 1910 rentals being collected on estimated area and since corrected by survey

Raritan Bay—Oyster Bed Leases.

NAME	ADDRESS	No	Acreage	Amount	Date	Term
Deglot William	Keypoint	1	57 1/2	\$87 50	June 20 1911	1 year
Evens Charles W	Keypoint	2	2 1/2	5 00	June 20 1911	1 year
Hammer & Son *	Keypoint	3	42 1/2	42 25	June 20 1911	1 year
Mason John W *	Keypoint	4	14 3/4	14 75	June 20 1910	1 year
Mason Lorenzo G *	Keypoint	5	33 1/2	33 00	June 20 1911	1 year
Manner William	Keypoint	6	81 1/2	81 50	June 20 1911	1 year
Post Fred E	Keypoint	7	91 1/2	91 00	June 20 1911	1 year
Post Garrett E	Keypoint	8	16	16 75	June 20 1911	1 year
Woolley William E	Keypoint,	9	153 1/2	165 50	June 20 1911	1 year

* 1910 lease not paid until 1911 thus counted in the receipts for 1911

Oyster Bed Leases—Ocean County.

NAME	ADDRESS	No	Acceage	Amount	Date	Term
Abbott John	Port Republic	84	11	\$5 50	Dec 31 1910	1 year
Abbott Wm	Manahawkin	707 745 750 751	20	10 00	Aug 1 1911	1 year
Adams Elmer	Port Republic	43	11	5 50	Dec 31 1910	1 year
Adams Ernest G	New Gretna	68	2	1 00	Dec 31 1910	1 year
Adams & Maxwell	New Gretna	182	4	2 00	Aug 1 1911	1 year
Adams John	New Gretna	105 106	16	8 00	Dec 31 1910	1 year
Allen & Grey	New Gretna	11 12 72	7	3 50	Dec 31 1910	1 year
Allen, Chas H	New Gretna,	74 114 116	15	7 50	Dec 31 1910	1 year
Allen Chas A	New Gretna	116 1/2	6	3 00	Dec 31 1910	1 year
Allen Chester	New Gretna	143 144	4	2 00	Aug 1 1911	1 year
Allen Edw K	New Gretna	67 128	7	3 50	Dec 31 1910	1 year
Allen John	New Gretna	33 34 60	5	2 50	Dec 31 1910	1 year
Allen, Jos B St	Tuckerton	8 1/2 79 1/2	6	3 00	Aug 1 1911	1 year
Allen Jos B	Tuckerton	8 79	12	6 00	Dec 31 1910	1 year
Allen Jos B Jr	Philadelphia	30	2	1 00	Dec 31 1910	1 year
Allen Samuel B	New Gretna	148	3	1 50	Aug 1 1911	1 year
Allen Thomas A	New Gretna	81 90	4	2 00	Dec 31 1910	1 year
Allen Thomas A	Tuckerton	27 37	5	2 50	Dec 31 1910	1 year
Allen T J,	Tuckerton	13 14	5	2 50	Dec 31 1910	1 year
Allen Ulrich	New Gretna	39	2	1 00	Dec 31 1910	1 year
Allen, Walter S	Tuckerton	76	4	2 00	Dec 31 1910	1 year
Allen W & S	New Gretna,	75 9	7	3 50	Dec 31 1910	1 year
Allen W S & S B,	New Gretna	80 1/2 25 1/2	4	2 00	Aug 1 1911	1 year
Allen Washington	New Gretna	49 170	8	4 00	Aug 1 1911	1 year
Anderson Samuel S	Tuckerton	322 397 *	13	6 50	Aug 1 1911	1 year
Bailey Samuel	Toms River	16	6	3 00	Dec 31 1910	1 year
Bartlett A R	Tuckerton	491	4	2 00	Dec 31 1910	1 year
Bartlett C P	West Creek	76 94 298	9	4 50	Dec 31 1910	1 year
Bennett Josiah	Tuckerton	426	2	1 00	Dec 31 1910	1 year
Berry E M	Tuckerton	405 406	5	2 50	Aug 1 1911	1 year
Birdsall Jesse	Barnegat	20	2	1 00	Aug 1 1911	1 year
Birdsall John	Barnegat	*	2	1 00	Aug 1 1911	1 year
Bogan R S	Atlantic City	22 122 113	27	13 50	Dec 31 1910	1 year
Bowen Clark	Leeds Point	164	5	2 50	Aug 1 1911	1 year
Bowen E Porter	Barnegat	419	3	1 50	Aug 1 1911	1 year
Bowler Wm	Tuckerton	12	2	1 00	Aug 1 1911	1 year
Brand Geo W	Tuckerton	178	2	1 00	Aug 1 1911	1 year
Brinley Alexander	Lanoka	27	8	4 00	Aug 1 1911	1 year
Brown Andrew	Barnegat	2	2	1 00	Aug 1 1911	1 year
Brown Elna P	West Creek	167 816 285 90	20	10 00	Dec 31 1910	1 year
Brown Fria P	West Creek	153 165 197	4	2 00	Aug 1 1911	1 year
Brown James D	Tuckerton	308	6	3 00	Aug 1 1911	1 year
Brown John W	Parkertown	939	4	2 00	Aug 1 1911	1 year
Brown Markley	Parkertown	119 827 843	11	5 50	Aug 1 1911	1 year
Brown Walter P	Tuckerton	934 1/2	4	2 00	May 1 1911	1 year
Brown & Regan	Tuckerton	420	3	1 50	Dec 31 1910	1 year
Burton Bros	Tuckerton	454 451 *	17	8 50	Aug 1 1911	1 year
Cavileer Fillmore	Port Republic	42	2	1 00	Dec 31 1910	1 year
Cavileer Gilbert	Port Republic	121	3	1 50	Dec 31 1910	1 year
Chandler Alex	Barnegat	7	2	1 00	Aug 1 1911	1 year
Chw Benjamin	New Gretna	3 4 5 117	8	4 00	Dec 31 1910	1 year
Chew Wm H	New Gretna	1	3	1 50	Aug 1 1911	1 year
Cobb Alonzo & Sons	West Creek	160	3	1 50	Dec 31 1910	1 year
Cobb Jonathan	Mayetta	43 4	6	3 00	Dec 31 1910	1 year
Cobb Thomas	Cedar Run	929	4	2 00	Aug 1 1911	1 year
Conklin Amariah	Cedar Run	34 1/2	3	1 50	Dec 31 1910	1 year
Conklin Calvin	Cedar Run	12	2	1 00	Aug 1 1911	1 year
Conklin Lewis A	Cedar Run,	46 23 18 1/2	11	5 50	Dec 31 1910	1 year
Conklin Nehemiah,	Cedar Run	20	6	3 00	Dec 31 1910	1 year
Conklin, Robert	Cedar Run	34 1/2 17 1/2	4	2 00	Dec 31 1910	1 year
Conklin Robert	Cedar Run	13	2	1 00	Aug 1 1911	1 year
Conklin Samuel B	Cedar Run	22 1/2 22	10	5 00	Dec 31 1910	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued

NAME	ADDRESS	No	Acceage	Amount	Date	Term
Conover Chas H	Tuckerton,	456-315	10	\$5 00	Aug 1 1911	1 year
Cornelius Fred	Bayville	7	7	3 50	Dec 31 1910	1 year
Cornelius John	Bayville	*	3	1 50	Apr 1 1911	1 year
Cowperthwaite Henry	West Creek	180 190 246	21	10 50	Dec 31 1910	1 year
Cowperthwaite Phos J	Tuckerton	*	2	1 00	Aug 1 1911	1 year
Cowperthwaite Henry	West Creek	934 908	26	13 00	Aug 1 1911	1 year
Cox & Leigh	West Creek	546	15	7 50	Aug 1 1911	1 year
Cox C H & N B	West Creek	105 122	4	2 00	Dec 31 1910	1 year
Cox Geo M	West Creek	282 181-99	8	4 00	Dec 31 1910	1 year
Cox Harry & Wm	Tuckerton	427 470 854	20	10 00	Aug 1 1911	1 year
Cox James	Barnegat	467	3	1 50	Aug 1 1911	1 year
Cox Jonathan	West Creek	30	5	4 00	Aug 1 1911	1 year
Cox John & Jonathan	West Creek	142	4	2 00	Dec 31 1910	1 year
Cox Wm E	West Creek	128 812 166 176	17	8 50	Dec 31 1910	1 year
Cranmer A E	Barnegat	178 79	3	1 50	Aug 1 1911	1 year
Cranmer Augustus G	Cedar Run	43	6	3 00	Dec 31 1910	1 year
Cranmer Amariah	Cedar Run	27 862	2	1 50	Dec 31 1910	1 year
Cranmer Amariah & Levi	Cedar Run	25	2	1 00	Dec 31 1910	1 year
Cranmer Arnold	New Gretna	2	2	1 00	Dec 31 1910	1 year
Cranmer Arnold	New Gretna	474 129 174 3 1/2	51	25 00	Aug 1 1911	1 year
Cranmer Arnold & Eliot	New Gretna	802 86 1/2 25 1/2	7	3 50	Dec 31 1910	1 year
Cranmer J Ashbrook	Cedar Run	139 25 71	2	1 00	Dec 31 1910	1 year
Cranmer J Ashbrook	Cedar Run	69 1/2	5	2 50	Dec 31 1910	1 year
Cranmer Caleb S & Son	New Gretna	31 3	3	1 50	Aug 1 1911	1 year
Cranmer Daniel D	New Gretna	868	12	6 00	Dec 31 1910	1 year
Cranmer Ellis	New Gretna	80 94 172	13	6 50	Dec 31 1910	1 year
Cranmer Elmer	Manahawkin	133 135	5	2 50	Aug 1 1911	1 year
Cranmer Frank	Manahawkin	904	5	2 50	Aug 1 1911	1 year
Cranmer Frank W	Staffordville	701 720 735	16	8 00	Aug 1 1911	1 year
Cranmer Fred G	Cedar Run	741 1/2	12	6 00	Aug 1 1911	1 year
Cranmer Geo A	New Gretna	869 47	4	2 00	Dec 31 1910	1 year
Cranmer Harvey G	Cedar Run	55 56	3	1 50	Aug 1 1911	1 year
Cranmer Howard	Cedar Run	879	2	1 00	Aug 1 1911	1 year
Cranmer Howard	Cedar Run	16 32	2	1 00	Aug 1 1911	1 year
Cranmer Irving J	Mayetta	870	4	2 00	Apr 1 1911	1 year
Cranmer James A	Cedar Run	14	2	1 00	Aug 1 1911	1 year
Cranmer James H	Staffordville	8	3	1 50	Aug 1 1911	1 year
Cranmer Jos Thos	Manahawkin	866	2	1 00	Dec 31 1910	1 year
Cranmer Jos W	West Creek	44	2	1 00	Dec 31 1910	1 year
Cranmer Levi	Cedar Run	208 221	13	6 50	Dec 31 1910	1 year
Cranmer Lewis A	Cedar Run	3	6	3 00	Aug 1 1911	1 year
Cranmer Matthias	Mayetta	703 705 709 727	13	6 50	Aug 1 1911	1 year
Cranmer Matthias	Mayetta	733	10	5 00	Aug 31 1910	1 year
Cranmer Noah	Manahawkin	813 941	4	2 00	Dec 31 1910	1 year
Cranmer Oliver	West Creek	33	3	1 50	Dec 31 1910	1 year
Cranmer Oliver & Geo	West Creek	29	4	2 00	Dec 31 1910	1 year
Cranmer O T & N B	West Creek	9 876 881 * *	48	24 00	1911	1 year
Cox	West Creek	40 1/2	12	6 00	Mar 1 1911	1 year
Cranmer Oscar C	West Creek	41	5	2 50	Aug 1 1911	1 year
Cranmer P H	Staffordville	716 746	11	5 50	Dec 31 1910	1 year
Cranmer Samuel	West Creek	873 39 1/2 42	4	2 00	Aug 1 1911	1 year
Cranmer Samuel	West Creek	864	4	2 00	Dec 31 1910	1 year
Cranmer Samuel R	West Creek	186	6	3 00	Dec 31 1910	1 year
Cranmer Samuel & Jos	West Creek	151 139	3	1 50	Aug 1 1911	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued

NAME	ADDRESS	No	Acceage	Amount	Date	Term
Cranmer Thomas	Cedar Run	24	8	\$4 00	Dec 31 1910	1 year
Cranmer Thomas H	Manahawkin	725 740 734 738 704 700 723 719				
		*	42	21 00	Aug 1 1911	1 year
Cranmer Thomas H	Manahawkin	* 465 726	24	12 00	Apr 1 1911	1 year
Cranmer Walter H	Cedar Run	11 51 10½	8	4 00	Dec 31 1910	1 year
Cranmer William E	Manahawkin	43½	6	3 00	Dec 31, 1910	1 year
Cummings Charles	Parkertown	912	5	2 50	Aug 1 1911	1 year
Cummings Eugene	Parkertown	849 903	6	3 00	Aug 1 1911	1 year
Cummings Joseph	Parkertown	801	6	3 00	Aug 1 1911	1 year
Cummings Jos & Sons	Parkertown	800	9	4 50	Aug 1 1911	1 year
Cummings S & C	Parkertown	907	10	5 00	Oct 1 1911	1 year
Cummings W H	Parkertown	844 917 *	9	4 50	Aug 1 1911	1 year
Darby J W	New Gietna	66 23 28 29	18	9 00	Dec 31, 1910	1 year
Davis Jas W	Clementon	835	9	4 50	Nov 1 1911	1 year
Driscoll Cornelius	Atlantic City	173	3	1 50	Dec 31 1910	1 year
Driscoll Enoch	Tuckerton	154	2	1 00	Dec 31 1910	1 year
Driscoll Harry	Tuckerton	404	2	1 00	Aug 1 1911	1 year
Driscoll Houston	Tuckerton	446	6	3 00	Aug 1 1911	1 year
Driscoll Reuben	Tuckerton	402 447	5	2 50	Dec 31 1910	1 year
Driscoll William F	Tuckerton	472	2	1 00	Aug 1 1911	1 year
Dunfee Thomas	Mayetta	872	3	1 50	Aug 1 1911	1 year
Dunfee William	Mayetta	853	3	1 50	Aug 1 1911	1 year
Bayres Alphonso	Barnegat	*	2	1 00	Aug 1 1911	1 year
Psilow, Sadoc,	Barnegat	5 6	12	6 00	Aug 1 1911	1 year
Elberson Armsted	Tuckerton,	*	2	1 00	Aug 1 1911	1 year
Everham Benjamin	Toms River	35	5	2 50	Dec 31 1910	1 year
Falkinburg Bros	Tuckerton,	498½	5	2 50	Dec 31 1910	1 year
Fennmore Allen	West Creek	138 111	5	2 50	Aug 1 1911	1 year
Fennmore Allen	West Creek	53 54 65 88				
		200 502	21	10 50	Dec 31, 1910	1 year
Fennmore & Cranmer	West Creek	120	2	1 00	Aug 1 1911	1 year
Fiske H & L	Tuckerton	126 385½	10	5 00	Aug 1 1911	1 year
Frazier, Frank	Tuckerton	*	2	1 00	Dec 31 1910	1 year
French Lewis M	Atlantic City	127	7	3 50	Dec 31 1910	1 year
Gale E A	Tuckerton	*	3	1 50	Aug 1 1911	1 year
Gale Harvey T	Tuckerton	483 333 311	17	8 50	Aug 1 1911	1 year
Gale & Gifford	Tuckerton	431	8	4 00	Dec 31, 1910	1 year
Gale Samuel	Tuckerton	107	2	1 00	May 1 1911	1 year
Gale Wm H	Tuckerton	102 153	4	2 00	Dec 31, 1910	1 year
Garrison Eugene	Tuckerton	* 332	8	4 00	Aug 1 1911	1 year
Gaskill Carlisle	New Gietna	145	3	1 50	Dec 31, 1910	1 year
Gaskill Jeremiah	Cedar Run	60	5	2 50	Oct 1, 1911	1 year
Gaskill Jesse	New Gietna	131	2	1 00	Dec 31 1910	1 year
Gaskill J J	New Gietna	56 64 83	10	5 00	Dec 31, 1910	1 year
Gaskill Wm F,	Tuckerton	346	6	3 00	Aug 1 1911	1 year
Grant Herschel	Lanoka	31	5	2 50	Apr 1 1911	1 year
Grant Jesse	Bayville	20	13	6 50	Aug 1 1911	1 year
Grant Jesse	Bayville	28	10	5 50	Dec 31 1910	1 year
Grant John	Lanoka	32	5	2 50	Dec 31 1910	1 year
Grant John	Lanoka	34 *	11	5 50	Aug 1 1911	1 year
Grant Nelson	Lanoka	33	6	3 00	Aug 1 1911	1 year
Grant S T	Lanoka	30	21	10 50	Aug 1 1911	1 year
Grant Wm (Mrs)	Lanoka	1	11	5 50	May 1 1911	1 year
Grant Wm H,	Lanoka	2	11	5 50	May 1 1911	1 year
Grey John A	New Gietna	17 130	5	2 50	Dec 31 1910	1 year
Haywood Frank	Manahawkin	1 2 708	12	6 00	Aug 1 1911	1 year
Haywood J P	West Creek	179 173 414 204	9	4 50	Dec 31 1910	1 year
Haywood J P	West Creek	837 814 83 292	30	15 00	Aug 1 1911	1 year
Headley Parker C	Tuckerton,	78 432	7	3 50	Aug 1 1911	1 year
Helfrisch Jos	Barnegat	24	6	3 00	Aug 1 1911	1 year
Hewitt Jesse	Port Republic	-	2	1 00	Dec 31 1910	1 year
Hewitt Nelson	Port Republic	44 184	6	3 00	Aug 1 1911	1 year
Hickman Wm	Port Republic	*	4	2 00	Dec 31 1910	1 year
Higbee Samuel	Port Republic	45	10	5 00	Dec 31 1910	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued

NAME	ADDRESS	No	Acceage	Amount	Date	Term
Higbee Samuel	Port Republic	104	12	\$6 00	Aug 1 1911	1 year
Higbee Somers T,	Leeds Point	176	3	1 50	Dec 31 1910	1 year
Higgins Theodore,	Beverly,	476½	2	1 00	Aug 1 1911	1 year
Hollingsworth, Geo,	Barnegat,	46 10 22 27 7-			Aug 1 1911	1 year
		2 41 10 36	72	36 00		
Holman, Frank	West Creek	58	2	1 00	Dec 31 1910	1 year
Holmes, Edward,	Forked River,	*	4	2 00	Apr 1 1911	1 year
Homan, Atmore	Parkertown,	227½	6	3 00	Aug 1 1911	1 year
Homan, Bertha,	West Creek,	64	2	1 00	Dec 31 1910	1 year
Homan, B Frank,	Parkertown,	822 *	7	3 50	Aug 1 1911	1 year
Homan B Frank,	Parkertown	914½	6	3 00	Dec 31 1910	1 year
Homan & Rutter	West Creek	821 *	16	8 00	Aug 1 1911	1 year
Homan & Rutter	West Creek	304	11	5 50	Oct 1, 1911	1 year
Homan M W,	Parkertown	824½	8	4 00	June 1 1911	1 year
Homan M W	Parkertown	805	6	3 00	Aug 1 1911	1 year
Hornor Chas A	Parkertown	851 216½	5	2 50	Aug 1 1911	1 year
Hornor Edward A	Tuckerton	444	3	1 50	Aug 1 1911	1 year
Hornor Ephraim	Manahawkin	706½ 706	12	6 00	Aug 1 1911	1 year
Hornor Isaac	Parkertown	801½ 931 828	17	8 50	Aug 1 1911	1 year
Hornor Samuel J,	Tuckerton,	186	11	5 50	Dec 31 1910	1 year
Huntley Chas	Port Republic	46 * 1	9	4 50	Dec 31 1910	1 year
Inman Clinton,	Barnegat,	28	4	2 00	Aug 1 1911	1 year
Inman, Lewis	Manahawkin	743	2	1 00	Aug 1 1911	1 year
Inman Stephen	Barnegat	11 38	4	2 00	Aug 1 1911	1 year
Ireland Mahlon	Tuckerton	**	4	2 00	Aug 1 1911	1 year
Jeffrey Howard	Lanoka	1	10	5 00	Aug 1 1911	1 year
Johnson Cornelius,	West Creek	194 940½	8	4 00	Aug 1 1911	1 year
Johnson Edward	West Creek	943½	6	3 00	Aug 1 1911	1 year
Johnson Edward,	Port Republic	161	5	2 50	Aug 1 1911	1 year
Johnson Isarah	West Creek	193	3	1 50	Aug 1 1911	1 year
Johnson Samuel L,	Manahawkin	2 4 *	20	10 00	Aug 1 1911	1 year
Johnson, Stephen	Manahawkin	*	2	1 00	Aug 1 1911	1 year
Jones A H	West Creek	124 126 909 91	8	4 00	Dec 31 1910	1 year
Jones A H	West Creek	831 823	19	9 50	Aug 1 1911	1 year
Jones A J	West Creek,	122 89	4	2 00	Dec 31 1910	1 year
Jones John F	West Creek,	284 127 845	13	6 50	Dec 31 1910	1 year
Jones Jos H	Tuckerton	343 448	5	2 50	Aug 1 1911	1 year
Jones Samuel A,	Tuckerton	339 338 386 *	15	7 50	Aug 1 1911	1 year
Jones Samuel A,	Tuckerton	395	3	1 50	Dec 31 1910	1 year
Jones Samuel B,	Tuckerton,	151	5	2 50	Dec 31 1910	1 year
Kelley C D,	West Creek	137 143 134 170				
		163 463 *	43	24 00	Dec 31 1910	1 year
Kelley & Schoch	West Creek,	300	21	10 50	Aug 1 1911	1 year
Kelley, Cornelius,	West Creek	103 206	6	3 00	Dec 31 1910	1 year
Kelley, Eugene	West Creek	836 900 932	6	3 00	Aug 1 1911	1 year
Kelley, Hugh F,	West Creek	132 212 87 188				
		500 820	14	7 00	Dec 31 1910	1 year
Kelley James E	West Creek	83 86 289	10	5 00	Dec 31 1910	1 year
Kelley J Harvey	West Creek	123 136 171	13	5 50	Dec 31 1910	1 year
Kelley J Harvey	West Creek	825	10	5 00	Aug 1 1911	1 year
Kelley J Henry	West Creek	70	2	1 00	Dec 31 1910	1 year
Kelley James W,	Tuckerton	436	6	3 00	Aug 1 1911	1 year
Kelley James W,	Tuckerton	498½	6	3 00	Aug 1 1911	1 year
Kellev Job	West Creek	838	3	1 50	Dec 31, 1910	1 year
Kellev Lizzie (Mrs)	West Creek	241	2	1 00	Dec 31 1910	1 year
Kelley Mannas	West Creek	69	3	1 50	Dec 31 1910	1 year
Kelley Myles	West Creek	140	2	1 00	Aug 1 1911	1 year
Kelley Myles	West Creek	137	3	1 50	Dec 31 1910	1 year
Kelley N E,	West Creek	133 72 98 164 172	17	8 50	Dec 31 1910	1 year
Kelley, N E,	West Creek	826 847 848 830	20	10 00	Aug 1 1911	1 year
Kelley Presgrove	West Creek	*	3	1 50	Dec 31 1910	1 year
Kelley Presgrove	West Creek	850	2	1 00	Aug 1 1911	1 year
Kelley & Moore	West Creek	*	6	3 00	Dec 31 1910	1 year
Kelley T C	West Creek	210 240	18	9 00	Dec 31 1910	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued

NAME	ADDRESS	No	Acreage	Amount	Date	Term
Kelley T C	West Creek	902 835 852 943				
		833	52	\$26 00	Aug 1 1911	1 year
Kelley, T C & Sons	West Creek,	283 243 92 100				
		104 177 174 207				
		242 237				
King Elmer,	Parkertown	922	2	1 00	Aug 1 1911	1 year
King John	Barnegat	4	3	1 50	Aug 1 1911	1 year
King Joel W	Staffordville	28 3	5	2 50	Dec 31 1910	1 year
Lamson Jos A	Cedar Run	30	5	2 50	Dec 31 1910	1 year
Lamson Jos A	Cedar Run	867	2	1 00	Aug 1 1911	1 year
Leeds Risley	Leeds Point	40	3	1 50	Dec 31 1910	1 year
Leigh A J (Mrs),	West Creek	129 1/2	2	1 00	Aug 1 1911	1 year
Leigh A J (Mrs)	West Creek	202	2	1 00	Dec 31 1910	1 year
Letts Nathan	Manahawkin	749 730 729 748				
		731 756	28	14 00	Aug 1 1911	1 year
Letts Pruden	Manahawkin	744 732 714 754	11	5 50	Aug 1 1911	1 year
Letts Sela	Manahawkin,	747 728	19	9 50	Aug 1 1911	1 year
Lippincott Frank	Tuckerton	480	2	1 00	Aug 1 1911	1 year
Lippincott Wm	Tuckerton,	*	2	1 00	Aug 1 1911	1 year
Loveland Benjamin,	New Gretna	183 52	7	3 50	Aug 1 1911	1 year
Loveland Jesse A	New Gretna	120	10	5 00	Dec 31 1910	1 year
Loveland Jesse A	New Gretna	54 141	8	4 00	Aug 1 1911	1 year
Loveland Jesse I	New Gretna	92	3	1 50	Dec 31 1910	1 year
Loveland Joseph	Port Republic	71	2	1 00	Dec 31 1910	1 year
Luker Stephen	Tuckerton	248	3	1 50	Aug 1 1911	1 year
Malcom Leslie	Barnegat	9	4	2 00	Aug 1 1911	1 year
Marshall Bros	Tuckerton	- *	4	2 00	Aug 1 1911	1 year
Marshall Geo L	Tuckerton	434	3	1 50	Aug 1 1911	1 year
Marshall, Geo & Jas	Tuckerton	433	7	3 50	Aug 1 1911	1 year
Marshall Harry	Beach Haven	313	8	4 00	Dec 31 1910	1 year
Marshall James,	Tuckerton	307	4	2 00	Aug 1 1911	1 year
Marshall Noah	Tuckerton	432	5	2 50	Aug 1 1911	1 year
Marshall Solomon,	Tuckerton	429 *	10	5 00	Aug 1 1911	1 year
Martin Frank	Manahawkin	* 739	12	6 00	Aug 1 1911	1 year
Mathis Alvin E	New Gretna	73 82	4	2 00	Aug 1 1911	1 year
Mathis Caleb A	New Gretna	180	5	2 50	Aug 1 1911	1 year
Mathis Caleb A	New Gretna	185	8	4 00	Dec 31 1910	1 year
Mathis Daniel E	New Gretna	34 1/2 91	6	3 00	Aug 1 1911	1 year
Mathis Daniel E	New Gretna	162	5	2 50	Dec 31 1910	1 year
Mathis Floyd	Tuckerton	158	4	2 00	Dec 31 1910	1 year
Mathis Frank	Leeds Point	10 111 112	24	12 00	Dec 31 1910	1 year
Mathis Frank	Leeds Point	10 1/2 111 1/2	7	3 50	Aug 1 1911	1 year
Mathis Harry V	New Gretna	6 58 *	9	4 50	Dec 31 1910	1 year
Mathis H C & Curtis	New Gretna	55	7	3 50	Dec 31 1910	1 year
Mathis Ira	Tuckerton	499	4	2 00	Oct 1 1911	1 year
Mathis John K	New Gretna	*	2	1 00	Dec 31 1910	1 year
Mathis James A	New Gretna,	16	3	1 50	Dec 31 1910	1 year
Mathis Walter R	New Gretna	95 96	4	2 00	Dec 31 1910	1 year
Mathis Wm A	Tuckerton	453 *	7	3 50	Aug 1 1911	1 year
Mathis Wm H	New Gretna	15 70	7	3 50	Dec 31 1910	1 year
McAnney John	New Gretna	32 132	4	2 00	Dec 31 1910	1 year
McCarty Timothy	Lanoka	18	5	2 50	Aug 1 1911	1 year
McDaniels Wm R	Tuckerton	486 323 1/2	8	4 00	Aug 1 1911	1 year
Muller, Ensign	West Creek	80	2	1 00	Dec 31 1910	1 year
Mulls John	Barnegat	62	6	3 00	Aug 1 1911	1 year
Moore Barclay	West Creek	112 936	8	4 00	Aug 1 1911	1 year
Morris Wm A	Tuckerton,	326	3	1 50	Aug 1 1911	1 year
Mott Elrudge	Tuckerton	108	2	1 00	Aug 1 1911	1 year
Mott Joel	Tuckerton	109 110 123	7	3 50	Dec 31 1910	1 year
Parker Adelbert,	Parkertown	921	3	1 00	Aug 1 1911	1 year
Parker Alex	Tuckerton	810 *	5	2 50	Aug 1 1911	1 year
Parker Archie	Parkertown	923	3	1 50	Aug 1 1911	1 year
Parker Chas	Tuckerton	387 493	10	5 00	Dec 31 1910	1 year
Parker Chas H	Tuckerton	466	2	1 00	Aug 1 1911	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued

NAME	ADDRESS	No	Acreage	Amount	Date	Term
Parker F S	Parkertown	27	2	\$1 00	Aug 1 1911	1 year
Parker, Hansell	Parkertown	227	2	1 00	Dec 31 1910	1 year
Parker, Hansell	Parkertown,	916 841	10	5 00	Aug 1 1911	1 year
Parker, Hazelton	Parkertown,	914 *	4	2 00	Aug 1 1911	1 year
Parker Henry	Parkertown	*	2	1 00	Aug 1 1911	1 year
Parker Horrie	Parkertown	925	5	2 50	Aug 1 1911	1 year
Parker Jay C	Parkertown,	826 1/2	5	2 50	June 1 1911	1 year
Parker Jay C	Parkertown,	*	3	1 50	Dec 31 1910	1 year
Parker, John N	Parkertown	924	2	1 00	Aug 1 1911	1 year
Parker J W & Bros ,	Tuckerton	402 428 318 321				
		325 327 328 329				
		* * * *	75	37 50	Aug 1 1911	1 year
Parker John W , & Sons	Parkertown	803	6	3 00	Aug 1 1911	1 year
Parker M F ,	Parkertown	263	22	11 00	Aug 1 1911	1 year
Parker Norris L	Parkertown	825 1/2	8	4 00	June 1 1911	1 year
Parker Norwood	Parkertown	811 911 913 927				
		928 *	24	12 00	Aug 1 1911	1 year
Parker Peter	Parkertown	263 1/2	3	1 50	June 1 1911	1 year
Parker Rudolph	Parkertown	804	3	1 50	Aug 1 1911	1 year
Parker Samuel B	Tuckerton	395 396 341 *	26	13 10	Aug 1 1911	1 year
Parker Thomas	Parkertown	926	5	2 50	Aug 1 1911	1 year
Parker William A	Parkertown	*	3	1 50	Aug 1 1911	1 year
Parker W W	Parkertown	920	4	2 00	Aug 1 1911	1 year
Pa'terson & Cobb	Collingswood	37 45	8	4 00	Dec 31 1910	1 year
Patterson & Cobb	Collingswood	36	4	2 00	Aug 1 1911	1 year
Perrine, Ella	Barnegat	28 1/2	2	1 00	Aug 1 1911	1 year
Perrine Samuel	Barnegat	31 32 *	6	3 00	Aug 1 1911	1 year
Peterson W	Barnegat	40	2	1 00	Aug 1 1911	1 year
Pharo Frank	West Creek	81 255 824	9	4 50	Aug 1 1911	1 year
Pharo James J	Tuckerton	455	8	4 00	Aug 1 1911	1 year
Pharo Watson L	West Creek	256 196 819	9	4 50	Dec 31 1910	1 year
Philips Randolph	Forked River	*	10	5 00	Apr 1 1911	1 year
Pitt William	West Creek	109 168	4	2 00	Dec 31 1910	1 year
Potter Edward F	West Creek	216 196 1/2	10	5 00	Aug 1 1911	1 year
Price Abram	Parkertown	815	11	5 50	Aug 1 1911	1 year
Price Clarence	Parkertown	809	4	2 00	Aug 1 1911	1 year
Price Mason	Parkertown	918 802	11	5 50	Aug 1 1911	1 year
Price Merritt	Parkertown	808	3	1 50	Aug 1 1911	1 year
Pullen Barzilla	Tuckerton	418 441 443 478	9	4 50	Apr 1 1911	1 year
Pullen Chas K ,	Tuckerton	416	2	1 00	Aug 1 1911	1 year
Quinn Geo ,	Tuckerton	393 *	5	2 50	Dec 31 1910	1 year
Quinn Geo	Tuckerton	389 347	8	4 00	Aug 1 1911	1 year
Rider Arthur T	Beach Haven					
Rider Anson J & Sons	Tuckerton	342	9	4 50	Aug 1 1911	1 year
		422 451 424 442				
		412 465 * *	43	21 50	Aug 1 1911	1 year
Ridgway Edward	Barnegat	45 20	5	2 50	Aug 1 1911	1 year
Ridgway J K	Barnegat	14 19 11 *	7	3 50	Aug 1 1911	1 year
Ridgway Oscar	Barnegat	1 3 13	11	5 50	Aug 1 1911	1 year
Ridgway Wm	Barnegat	8	2	1 00	Aug 1 1911	1 year
Riley Benjamin	Tuckerton	421	2	1 00	Dec 31 1910	1 year
Ripley, John	West Creek	300	10	5 00	Aug 1 1911	1 year
Ripley John	West Creek	110	2	1 00	May 1 1911	1 year
Robbins Chas	New Gretna	35 36 86 87 65	12	6 00	Dec 31 1910	1 year
Robbins L D	New Gretna	118 89 93	6	3 00	Dec 31 1910	1 year
Robbins Wm	Barnegat	42	2	1 00	Aug 1 1911	1 year
Rossell Louis G ,	Tuckerton	*	3	1 50	Apr 1 1911	1 year
Rulon Harper	West Creek	201 159 75 291	14	7 00	Dec 31 1910	1 year
Rulon & Brown	West Creek	350	10	5 00	Aug 1 1911	1 year
Russell Clarence	Barnegat	23	2	1 00	Aug 1 1911	1 year
Russell Holmes	Barnegat	34 37	5	2 50	Aug 1 1911	1 year
Rutter John W	West Creek	841 232	6	3 00	Dec 31 1910	1 year
Rutter & Haywood	West Creek	68 244 97 63	12	6 00	Dec 31 1910	1 year
Rutter C Roy	West Creek	185	2	1 00	Aug 1 1911	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued

NAME	ADDRESS	No	Acage	Amount	Date	Term
Rutter C Kelly	West Creek	169	3	\$1 50	Dec 31, 1910	1 year
Rutter, R F,	West Creek	203 501 183 175				
		191 817	35	17 50	Dec 31 1910	1 year
Rutter, T H,	Barnegat	44	2	1 00	Aug 1 1911	1 year
Salmons Daniel	West Creek,	147	3	1 50	Aug 1 1911	1 year
Salmons Edward	West Creek	824½ *	2	1 00	Dec 31 1910	1 year
Salmons, Geo	Staffordville,	* *	4	2 00	Dec 31 1910	1 year
Salmons Joel J,	Staffordville,	52 454½	6	3 00	Dec 31, 1910	1 year
Sapp H W	Tuckerton,	812 837 394 309	32	16 00	Aug 1, 1911	1 year
Sapp Jos E,	Tuckerton,	487 482 334 324				
		489 489½	33	16 50	Aug 1 1911	1 year
Sapp, Walter L,	Tuckerton	314 310 490	30	15 00	Aug 1 1911	1 year
Sapp Walter L,	Tuckerton,	*	4	2 00	June 1 1911	1 year
Sawyer Jos	Tuckerton,	356 323	26	13 00	Aug 9 1911	1 year
Seaman Clarence,	West Creek	82 145 162 842	9	4 50	Dec 31 1910	1 year
Seaman, Geo A	West Creek	84 144 156 239	24	12 00	Dec 31 1910	1 year
Seaman Josephus,	West Creek,	247	4	2 00	Aug 1 1911	1 year
Seaman W S	West Creek	67 187 96 301	10	5 00	Dec 31 1910	1 year
Sears William N	New Gretna	47 146	14	7 00	Dec 31 1910	1 year
Shafto Alvin	Manahawkin	757	6	3 00	Aug 1, 1911	1 year
Shinn, Alfred	West Creek	158	2	1 00	Dec 31, 1910	1 year
Shinn, Chas S, Jr,	Moorestown,	114 224 214 233				
		74	18	9 00	Dec 31 1910	1 year
Shinn Edw L	West Creek,	840 * 938 215	17	8 50	Aug 1 1911	1 year
Shinn Frank & Ed,	West Creek	225	2	1 00	Dec 31, 1910	1 year
Shinn Harry S	West Creek	220 209 161 906				
		148 236 229 222	25	12 50	Dec 31 1910	1 year
Shinn John A	West Creek	218 118 228 154				
		117 231	22	11 00	Dec 31, 1910	1 year
Shinn John A	West Creek	937 150 942	18	9 00	Aug 1 1911	1 year
Shinn Samuel E & Sons	West Creek	245 230 235				
		839 219	14	7 00	Dec 31, 1910	1 year
Shinn Thos	West Creek	125 238	4	2 00	Dec 31, 1910	1 year
Smith Henry P	Tuckerton	445 477	5	2 50	Aug 1 1911	1 year
Smith Chas A	Forked River	1000	12	30 00	Dec 31, 1910	5 years
Smith Ernest,	Tuckerton	*	4	2 00	June 1 1911	1 year
Smith Jos P	Tuckerton,	244	4	2 00	Aug 1 1911	1 year
Smith Samuel A,	Tuckerton	452	6	3 00	Aug 1, 1911	1 year
Smith Samuel J, & Sons	Tuckerton	345	8	4 00	Aug 1 1911	1 year
Sooy Daniel	New Gretna	24 59	10	5 00	Dec 31, 1910	1 year
Soper Chas H	Barnegat	9 33 56	11	5 50	Aug 1 1911	1 year
Soper Philip	Manahawkin,	716 713 727½	7	3 50	Aug 1 1911	1 year
Soper Philip	Manahawkin,	742	5	2 50	Apr 1 1911	1 year
Speck, Jas H & Bros,	Tuckerton	20 98 100	115	57 50	Dec 31, 1910	1 year
Speck Jas H & Bros,	Tuckerton	119 175	11	5 50	Aug 1 1911	1 year
Speck Wilham,	Tuckerton	21	10	5 00	Dec 31 1910	1 year
Speck Wilham H	Tuckerton	*	3	1 50	Dec 31 1910	1 year
Sprague, Albert	Tuckerton	471	2	1 00	Aug 1 1911	1 year
Sprague Edwin B,	Staffordville	877 40 861	6	3 00	Aug 1 1911	1 year
Sprague Frank	West Creek	62 85	4	2 00	Dec 31 1910	1 year
Sprague Frank & John	West Creek	78	2	1 00	Dec 31 1910	1 year
Sprague Henry	West Creek	71	2	1 00	Dec 31 1910	1 year
Sprague, Joel H,	Beach Haven	312½ 457	8	4 00	Aug 1 1911	1 year
Sprague John F	West Creek	180	2	1 00	Dec 31 1910	1 year
Sprague Lewis	Tuckerton	409 * *	9	4 50	Aug 1 1911	1 year
Sprague Philip	Tuckerton	430 439 * 410				
		498 *	25	12 50	Aug 1 1911	1 year
Sprague Philip A,	West Creek	*	2	1 00	Dec 31 1910	1 year
Sprague Philip R	West Creek	205 101 131 182				
		818	11	5 50	Dec 31, 1910	1 year
Sprague Reuben	West Creek,	77	2	1 00	Dec 31, 1910	1 year
Sprague Samuel	Barnegat	39	2	1 00	Aug 1, 1911	1 year
Sprague Wm D	West Creek	933 59	7	3 50	Aug 1, 1911	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued

NAME	ADDRESS	No	Acage	Amount	Date	Term
Stager H E,	Manahawkin,	1	4	\$2 00	Aug 1, 1911	1 year
Stevens Chas,	Tuckerton,	430½	5	2 50	Dec 31, 1910	1 year
Stiles David	Tuckerton,	464 *	5	2 50	Aug 1 1911	1 year
Stiles David	Tuckerton,	26 7 385 317	22	11 00	Dec 31, 1910	1 year
Stiles Edward	Tuckerton	388	12	6 00	Aug 1, 1911	1 year
Stiles Elias,	Tuckerton	336	11	5 00	Aug 1 1911	1 year
Stiles, Ezra	Tuckerton,	392 402 408 335				
		413 425 407 855				
		* * * *	36	18 00	Dec 31, 1910	1 year
Stiles James Ji,	Tuckerton	415	2	1 00	Dec 31, 1910	1 year
Stiles, Willits	Tuckerton,	351	16	8 00	Aug 1, 1911	1 year
Taylor, Georgianna (Mrs)	Bayville	17	5	2 50	Aug 1, 1911	1 year
Taylor Henry	Manahawkin	21	2	1 00	Dec 31, 1910	1 year
Truex George C,	Cedar Run	863	4	2 00	Aug 1, 1911	1 year
Truex Joseph J,	Mayetta	865	2	1 00	Aug 1, 1911	1 year
Truex J W	Cedar Run,	10 38½	6	3 00	Aug 1 1911	1 year
White Adelbert	Barnegat,	488	4	2 00	Sept 1, 1911	1 year
White David M	Manahawkin,	*	4	2 00	Aug 1 1911	1 year
White Walter	Tuckerton	351½	4	2 00	Aug 1, 1911	1 year
Wilson Amasa	Port Republic	*	2	1 00	Dec 31 1910	1 year
Wilson George	Port Republic,	179	3	1 50	Aug 1 1911	1 year
Wilson & Pierce,	Port Republic	163	6	3 00	Aug 1 1911	1 year
Wilson John H,	Port Republic,	41	2	1 00	Dec 31, 1910	1 year
Wood R A	West Creek	226	2	1 00	Dec 31, 1910	1 year

Oyster Bed Leases—Atlantic County.

NAME	ADDRESS	No	Acreage	Amount	Date	Term
Adams Theodore	Pleasantville,		2 24	\$2 25	Sept 1 1911	1 year
Albertson John C,	Pleasantville,	21a	1 50	1 50	Sept 1, 1911	1 year
Allen James H	Atlantic City		5 00	5 00	Sept 1 1911	1 year
Allen Joseph B Jr,	New Gretna	90a	7 44	7 50	Sept 1 1911	1 year
Allen Samuel B,	New Gretna,	227a	1 75	1 75	Sept 1 1911	1 year
Babcock Reuben L	Absecon		10 00	10 00	Sept 1, 1911	1 year
Boice Harlan P,	Absecon,	169a	7 50	7 50	Sept 1, 1911	1 year
Boice Harry B,	Absecon		1 95	2 00	Sept 1 1911	1 year
Bowen Bartine,	Leeds Point,	126b	3 89	4 00	Sept 1, 1911	1 year
Bowen, J Clark	Leeds Point	152a	5 92	6 00	Sept 1, 1911	1 year
Bowen Samuel G	Pleasantville,	23a	8 63	8 75	Sept 1 1911	1 year
Bowen, Samuel G	Pleasantville		1 08	1 25	Sept 1, 1911	1 year
Bowen Somers L	Pleasantville	24a	8 60	8 75	Sept 1, 1911	1 year
Bowen Thomas	Pleasantville	207a	3 25	3 25	Sept 1, 1911	1 year
Chapman Fred A	Atlantic City		2 31	2 50	Sept 1, 1911	1 year
Chew Benjamin W,	New Gretna,	196a	2 88	3 00	Sept 1 1911	1 year
Chew Benjamin W,	New Gretna		2 08	2 25	Sept 1 1911	1 year
Collins Alma A	Pleasantville	201a	1 75	1 75	Sept 1 1911	1 year
Collins Burriss	Pleasantville	80a	5 46	5 50	Sept 1 1911	1 year
Collins Harry,	Pleasantville	30a	9 73	9 75	Sept 1, 1911	1 year
Collins Isaac,	Pleasantville,	28a	10 00	10 00	Sept 1, 1911	1 year
Collins John	Pleasantville	27a	2 25	2 25	Sept 1, 1911	1 year
Collins John H,	Pleasantville,	29a	10 00	10 00	Sept 1, 1911	1 year
Collins Louisa	Smith s Landing	31a	3 95	4 00	Sept 1 1911	1 year
Conover Alfred	Atlantic City,	92a	10 00	10 00	Sept 1, 1911	1 year
Conover Chester	Oceanville,		1 00	1 00	Sept 1, 1911	1 year
Conover Emily F,	Absecon		10 00	10 00	Sept 1, 1911	1 year
Conover Enoch	Oceanville,	162a	1 13	1 25	Sept 1, 1911	1 year
Conover, Gilbert,	Absecon	154a	2 50	2 25	Sept 1, 1911	1 year
Conover Harry	Atlantic City		3 00	3 00	Sept 1, 1911	1 year
Conover Harry	Absecon,	260a	1 25	1 25	Sept 1 1911	1 year
Conover Harry,	Absecon,		1 95	2 00	Sept 1, 1911	1 year
Conover Harry	Absecon		2 00	2 00	Jan 1 1911	1 year
Conover Howard,	Barnegat		5 36	5 38	Sept 1, 1911	1 year
Conover Joel A,	Atlantic City	91a	10 00	10 00	Sept 1 1911	1 year
Conover John F,	Atlantic City	96a	2 71	2 75	Sept 1, 1911	1 year
Conover Micajah H,	Absecon,	185a	6 25	6 25	Sept 1, 1911	1 year
Conover Priscilla,	Absecon	224a	7 21	7 25	Sept 1, 1911	1 year
Conover Priscilla,	Absecon	238a	1 49	1 50	Sept 1, 1911	1 year
Conover Roland A,	Oceanville	128a	1 50	1 50	Sept 1, 1911	1 year
Conover Willis R,	Oceanville	153a	3 14	3 25	Sept 1 1911	1 year
Conover Zeph S	Atlantic City	19a	7 00	7 00	Sept 1 1911	1 year
Cramer Albert F	Atlantic City,	129a	1 03	1 25	Sept 1, 1911	1 year
Cramer Albert F,	New Gretna	190a	1 97	2 00	Sept 1, 1911	1 year
Cramer Arnold & Co	New Gretna		65	1 00	Sept 1 1911	1 year
Cramer Arnold & C S,	New Gretna	189a	53	1 00	Sept 1 1911	1 year
Cramer Harry G,	New Gretna		5 25	5 25	Sept 1 1911	1 year
Cramer, John T	New Gretna,	253a	1 53	1 75	Sept 1 1911	1 year
Darby John A	New Gretna,	188a	2 09	2 25	Sept 1 1911	1 year
Denis Burriss F	Scullyville	32a	6 25	6 25	Sept 1 1911	1 year
Dennis Charles B,	Scullyville,	33a	94	1 00	Sept 1, 1911	1 year
Dennis Charles & Henry,	Scullyville,	34a	2 40	2 50	Sept 1, 1911	1 year
Dennis Henry B	Scullyville	35a	2 57	2 75	Sept 1 1911	1 year
Doughty B F,	Atlantic City,	176a	47	1 00	Sept 1 1911	1 year
Doughty Bertha I	Absecon		10 00	10 00	Sept 1 1911	1 year
Doughty David	Oceanville		4 00	4 00	Sept 1 1911	1 year
Doughty David,	Oceanville	195a	73	1 00	Sept 1, 1911	1 year
Doughty Edward C,	Oceanville	182a	80	1 00	Sept 1 1911	1 year
Doughty Ezra	Oceanville	183a	1 79	2 00	Sept 1 1911	1 year
Doughty F Fraley	Absecon	174a	3 70	3 75	Sept 1 1911	1 year
Eldridge Willard	Atlantic City	95a	3 32	3 50	Sept 1 1911	1 year
Fairbrothers Charles	Pleasantville	38a	4 25	4 25	Sept 1, 1911	1 year
Fairbrothers Lewis	Pleasantville	39a	5 00	5 00	Sept 1, 1911	1 year
Garrison Dennis	Scullyville	181a	3 11	3 25	Sept 1 1911	1 year
Garwood Richard	Pleasantville		2 00	2 00	Sept 1 1911	1 year
Gaskill Thomas J	New Gretna	187a	1 35	1 50	Sept 1 1911	1 year

OYSTER BED LEASES—ATLANTIC COUNTY—Continued

NAME	ADDRESS	No	Acreage	Amount	Date	Term
Giberson & Smith	Leeds Point,	213a	4 74	\$4 75	Sept 1 1911	1 year
Giberson, Richard	Absecon,	118a	1 30	1 50	Sept 1 1911	1 year
Giberson Samuel	Absecon,	115a	5 17	5 25	Sept 1, 1911	1 year
Giberson Thomas D	Leeds Point,	121a	3 68	3 75	Sept 1, 1911	1 year
Giberson Thomas D	Leeds Point	219a	2 37	2 50	Sept 1 1911	1 year
Gilison Alfred	Atlantic City,		1 30	1 50	Sept 1 1911	1 year
Hackney Steven R	Margate City,		1 50	1 50	Sept 1, 1911	1 year
Hammell Charles P	Absecon	198a	9 84	10 00	Sept 1 1911	1 year
Hammell Elнора M,	Absecon,	246b	4 05	4 25	Jan 1 1911	1 year
Hammell Elнора M,	Absecon	199a	3 07	3 25	Jan 1 1911	1 year
Hammell William A,	Absecon	178a	5 94	6 00	Sept 1 1911	1 year
Hand William E	Ventnor City,		2 00	2 00	Sept 1 1911	1 year
Headley Parker C,	Tuckerton	136a	1 45	1 50	Sept 1 1911	1 year
Hewitt, Wilson	Port Republic,	243a	1 61	1 75	Sept 1 1911	1 year
Higbee, Allen C	Leeds Point	131a	3 67	3 75	Sept 1 1911	1 year
Higbee Allen C	Leeds Point,		44	1 00	Sept 1, 1911	1 year
Higbee, James W	Leeds Point,	155a	10 00	10 00	Sept 1, 1911	1 year
Higbee, Job M	Leeds Point,	130a	4 02	4 25	Sept 1 1911	1 year
Higbee John G	Leeds Point,	132a	10 00	10 00	Sept 1 1911	1 year
Higbee Somers T	Leeds Point		3 44	3 50	Sept 1 1911	1 year
Hilton Hannah	Pleasantville,	228a	1 81	2 00	Sept 1 1911	1 year
Hilton John M,	Pleasantville,	41a	9 88	10 00	Sept 1 1911	1 year
Holdzkone David	Bridgeton	241a	2 28	2 50	Sept 1 1911	1 year
Holdzkone Edward	Brigantine,	98a	6 69	6 75	Sept 1 1911	1 year
Holdzkone Henry P	Brigantine,	100a	1 92	2 00	Sept 1 1911	1 year
Holdzkone John M	Brigantine,	187b	3 00	3 00	Sept 1, 1911	1 year
Holdzkone Samuel E	Brigantine	177a	0 06	3 25	Sept 1, 1911	1 year
Holdzkone William	Brigantine,	124a	1 48	1 50	Sept 1, 1911	1 year
Honer Julius	Oceanville	226a	1 30	1 50	Sept 1, 1911	1 year
Horton Charles M,	Pleasantville,		1 60	1 75	Sept 1, 1911	1 year
Horton Charles W,	Pleasantville,	44a	2 16	2 25	Sept 1 1911	1 year
Horton Edward	Pleasantville,	43a	1 11	1 25	Sept 1 1911	1 year
Horton Edward	Pleasantville,		1 00	1 00	Sept 1 1911	1 year
Horton Howard	Pleasantville,	45a	1 92	2 00	Sept 1 1911	1 year
Horton Howard	Pleasantville,		2 34	2 50	Sept 1 1911	1 year
Horton Willis	Pleasantville,	48a	7 15	7 25	Sept 1, 1911	1 year
Horton Willis	Pleasantville,		3 21	3 25	Sept 1, 1911	1 year
Ingersoll J B & Charles,	English Creek,	242a	5 04	5 25	Sept 1, 1911	1 year
Jacobson, Charles	Oceanville	163a	1 10	1 25	Sept 1, 1911	1 year
Jeffries Andrew	Steelmanville,	191a	2 64	2 75	Sept 1, 1911	1 year
Jeffries Richard S,	Steelmanville,	192a	1 00	1 00	Sept 1, 1911	1 year
Lake, Albert P,	Pleasantville	50a	5 72	5 75	Sept 1, 1911	1 year
Lake, Henry	Pleasantville,	52a	7 31	7 50	Sept 1, 1911	1 year
Lee Franklin	Scullyville	263a	1 54	1 75	Sept 1, 1911	1 year
Leeds & Blackman	Oceanville	197a	3 51	3 75	Sept 1, 1911	1 year
Leeds & Blackman,	Oceanville		4 00	4 00	Sept 1 1911	1 year
Leeds Charles A	Leeds Point	141a	3 13	3 25	Sept 1, 1911	1 year
Leeds, Edward	Oceanville	172a	3 39	3 50	Sept 1, 1911	1 year
Leeds Warren C N	Brigantine	123a	4 93	5 00	Sept 1 1911	1 year
Leeds, Wilmer	Oceanville		2 00	2 00	Sept 1, 1911	1 year
LeMenyon Ph	New Gretna	256a	4 36	4 50	Sept 1, 1911	1 year
Loudenslager Wm B,	Ventnor City	211a	2 70	2 75	Sept 1 1911	1 year
Loveland Reuben A,	New Gretna	142a	3 75	3 75	Sept 1 1911	1 year
Mathews D L	Oceanville	104a	5 07	5 25	Sept 1 1911	1 year
Mathews George W	Oceanville	156a	8 80	9 00	Sept 1, 1911	1 year
Mathis, Alvin L,	New Gretna	144a	1 57	1 75	Sept 1, 1911	1 year
Mathis Caleb B, Jr,	Pleasantville,		2 00	2 00	Sept 1, 1911	1 year
Mathis Caleb B, Jr,	Pleasantville,	85a	3 41	3 50	Sept 1, 1911	1 year
Mathis Caleb B Jr,	Pleasantville,	248a	5 62	5 75	Sept 1, 1911	1 year
Mathis Edward D,	New Gretna	145a	2 13	2 25	Sept 1 1911	1 year
Mathis, Ella	Pleasantville,	57a	10 00	10 00	Sept 1 1911	1 year
Mathis Gilbert	Pleasantville,	58a	9 82	10 00	Sept 1 1911	1 year
Mathis John F	Pleasantville		25	1 00	Sept 1 1911	1 year
Mathis Pitman E	New Gretna,	146a	1 03	1 25	Sept 1 1911	1 year
Mathis William H,	Pleasantville	56a	10 00	10 00	Sept 1 1911	1 year

OYSTER BED LEASES—ATLANTIC COUNTY—Continued

NAME	ADDRESS	No	Acreage	Amount	Date		
					Date	Date	
McKeague H S,	Scullville	12a	1 44	\$1 50	Sept	1, 1911	1 year
Middleton F & J S	Atlantic City	216a	8 26	8 50	Sept	1, 1911	1 year
Mitchell Levi,	Pleasantville	54a	1 25	1 25	Sept	1, 1911	1 year
Mitchell William,	Pleasantville	56a	4 42	4 50	Sept	1, 1911	1 year
Peakins William A,	Pleasantville,		2 35	2 50	Sept	1, 1911	1 year
Powers Elwood M,	Linwood,	15a	1 88	2 00	Sept	1, 1911	1 year
Powers Elwood M,	Linwood	16a	3 00	3 00	Sept	1, 1911	1 year
Price, Job C,	Brigantine	99a	1 51	1 75	Sept	1, 1911	1 year
Reed Bodine C,	Oceanville	111a	2 63	2 75	Sept	1, 1911	1 year
Reed Willis W,	Oceanville	107a	1 59	1 75	Sept	1, 1911	1 year
Riley Samuel E	Pleasantville,	247b	5 00	5 00	Sept	1, 1911	1 year
Risley, Ephraim	Pleasantville,	64a	4 88	5 00	Sept	1, 1911	1 year
Risley Harry C,	Pleasantville,	71a	7 85	8 00	Sept	1, 1911	1 year
Risley Herman & Curtis,	Pleasantville,	63a	9 20	9 25	Sept	1, 1911	1 year
Risley Job C	Pleasantville,	67a	3 80	4 00	Sept	1, 1911	1 year
Risley Obediah	Pleasantville	69a	4 91	5 00	Sept	1, 1911	1 year
Risley Richard I,	Smith's Landing	66a	8 13	8 25	Sept	1, 1911	1 year
Risley, Sylvia B,	Smith's Landing	88a	1 00	1 00	Sept	1, 1911	1 year
Robbins L D	New Gretna	148a	1 06	1 25	Sept	1, 1911	1 year
Robinson David S,	Scullville,	13a	2 00	2 00	Sept	1, 1911	1 year
Scott, Robert M,	Leeds Point	159a		10 00	Sept	1, 1911	1 year
Scull Alfred S,	Linwood,	89a	1 07	1 25	Sept	1, 1911	1 year
Scull Ezekiel	Scullville	10a	6 43	6 50	Sept	1, 1911	1 year
Scull John B	Linwood,	200a	2 00	2 00	Sept	1, 1911	1 year
Scull, M V B,	Atlantic City,	151a	3 00	3 00	Sept	1, 1911	1 year
Scull Thomas B,	Leeds Point	158a	3 49	3 50	Sept	1, 1911	1 year
Sevan Joseph	Brigantine,	240a	92	1 00	Sept	1, 1911	1 year
Showell Alfred	Absecon	114a	1 00	1 00	Sept	1, 1911	1 year
Showell Charles H,	Atlantic City		5 30	5 50	Sept	1, 1911	1 year
Smith Aaron R	Scullville	6a	6 38	6 50	Ma	1, 1911	1 year
Smith Abel W,	Scullville	5a	8 94	9 00	Sept	1, 1911	1 year
Smith, David T,	Scullville	4a	6 12	6 25	Sept	1, 1911	1 year
Smith Edwin	Oceanville,	184a	57	1 00	Sept	1, 1911	1 year
Smith Japhet S,	Scullville	239a	3 18	3 25	Sept	1, 1911	1 year
Smith J Frank,	Brigantine,	186a	2 18	2 25	Sept	1, 1911	1 year
Smith, Theodore,	Scullville	1a	8 18	8 25	Sept	1, 1911	1 year
Smith Thompson	Pleasantville,	79a	2 50	2 50	Sept	1, 1911	1 year
Smith William J	Oceanville,	185a	3 98	4 00	Sept	1, 1911	1 year
Somers Bodine C,	Oceanville,	244a	2 00	2 00	Sept	1, 1911	1 year
Somers Boice	Scullville,	8a	70	1 00	Sept	1, 1911	1 year
Somers Emily S,	Linwood		3 75	3 75	Sept	1, 1911	1 year
Somers, Ezekiel,	Oceanville		4 00	4 00	Sept	1, 1911	1 year
Somers Harris,	Oceanville,	14a	4 29	4 50	Sept	1, 1911	1 year
Somers, Harry C,	Oceanville	110a	1 66	1 75	Sept	1, 1911	1 year
Somers, Jackson	Steelmanville,	109a	1 95	2 00	Sept	1, 1911	1 year
Somers, James S,	Linwood,	7a	2 50	2 50	Sept	1, 1911	1 year
Somers Leon,	Linwood,	17a	5 57	5 75	Sept	1, 1911	1 year
Somers, Mark S,	Somers Point,	193a	8 71	8 75	Sept	1, 1911	1 year
Somers Richard J,	Oceanville,	113a	1 74	1 75	Sept	1, 1911	1 year
Sooy Daniel T, Jr,	Linwood	18a	9 86	10 00	Sept	1, 1911	1 year
Sooy, Elphra,	New Gretna	252a	10 00	10 00	Sept	1, 1911	1 year
Sooy, E M, J E & J M,	Pleasantville,	77a	10 00	10 00	Sept	1, 1911	1 year
Sooy, Nancy,	Leeds Point	262a	1 92	2 00	Sept	1, 1911	1 year
Sooy Samuel B	Pleasantville,	78a	8 00	8 00	Sept	1, 1911	1 year
Sooy & Dow	Pleasantville,	76a	6 77	7 00	Sept	1, 1911	1 year
Valent, George,	New Gretna		2 12	2 25	Sept	1, 1911	1 year
Webb George	Tuckerton,	254a	2 77	3 00	Sept	1, 1911	1 year
Weber A,	Margate City		3 00	3 00	Sept	1, 1911	1 year
Willets, Fred W	Atlantic City		1 00	1 00	Sept	1, 1911	1 year
Yates Jesse	Brigantine	120a	3 71	3 75	Sept	1, 1911	1 year
York William	Atlantic City,	245a	1 14	1 25	Sept	1, 1911	1 year
	Smith's Landing		1 72	1 75	Sept	1, 1911	1 year
			4 28	4 25	Sept	1, 1911	1 year

Oyster Propagating Bed Leases—Atlantic County

NAME	ADDRESS	No	Acreage	Amount	Date		Term
					Date	Date	
Adams James H	Pleasantville	75	5 00	\$15 00	Nov	1, 1911	1 year
Agens S H M	Newark,	61	4 54	14 25	Sept	1, 1911	1 year
Babeock R L,	Absecon,	77	5 00	15 00	March	1, 1911	1 year
Bailey Raemond,	Atlantic City,	81	4 00	12 00	Sept	1, 1911	1 year
Barrett L H	Pleasantville,	66	2 00	6 00	Sept	1, 1911	1 year
Bensel, Frank J	Atlantic City,	28	4 30	13 50	Sept	1, 1911	1 year
Bessenen William R	Atlantic City,	84	3 41	10 50	March	1, 1911	1 year
Boice, Fred C	Absecon,	52	5 00	15 00	Sept	1, 1911	1 year
Boice Harry,	Absecon,	25	5 00	15 00	Sept	1, 1911	1 year
Bostic Reese B	Atlantic City,	59	5 00	15 00	Sept	1, 1911	1 year
Bowen Baker D	Smithville,	60	5 00	15 00	Sept	1, 1911	1 year
Conover, Gilbert,	Absecon,	40	4 60	14 25	Sept	1, 1911	1 year
Conover John M	Atlantic City,	74	5 00	15 00	Sept	1, 1911	1 year
Corson, Charles S	Linwood	32	4 12	12 75	Sept	1, 1911	1 year
Cuff, Charles H	Pleasantville,	53	4 40	13 50	Sept	1, 1911	1 year
Delaney, R E	Atlantic City,	22	5 00	15 00	Sept	1, 1911	1 year
Dennis Burris F	Scullville,	8	5 00	15 00	Sept	1, 1911	1 year
Dennis, Charles B	Scullville	7	4 00	12 00	Sept	1, 1911	1 year
Dennis Elizabeth B	Scullville	49	3 75	11 25	Sept	1, 1911	1 year
Dennis, Giorette	Scullville,	45	5 00	15 00	Sept	1, 1911	1 year
Dennis Henry B	Scullville	9	4 45	13 50	Sept	1, 1911	1 year
Dennis William B,	Steelmanville,	5	5 00	15 00	Sept	1, 1911	1 year
Donnelly Edward R,	Atlantic City,	86	3 25	9 75	March	1, 1911	1 year
Doughty F F	Absecon,	37	5 00	15 00	Sept	1, 1911	1 year
English, Walter,	English Creek,	12	5 00	15 00	Sept	1, 1911	1 year
Garrison D L	Scullville	24	3 00	9 00	Sept	1, 1911	1 year
Gillison, Alfred,	Atlantic City,	57	5 00	15 00	Sept	1, 1911	1 year
Goff, A W	Atlantic City	18	4 40	13 50	Sept	1, 1911	1 year
Holdzkom Edward	Brigantine	10	5 00	15 00	Sept	1, 1911	1 year
Holland, Edward J,	Atlantic City,	10	5 00	15 00	Sept	1, 1911	1 year
Ingersoll, John W	Margate City,	30	5 00	15 00	March	1, 1911	1 year
Ireland Samuel,	Pleasantville	79	5 00	15 00	March	1, 1911	1 year
Jarman, W M	Atlantic City,	58	4 25	12 75	Sept	1, 1911	1 year
Jeffers Andrew B	Scullville	27	4 50	13 50	Sept	1, 1911	1 year
Jeffers Benjamin C,	Scullville	11	4 00	12 00	Sept	1, 1911	1 year
Jeffers George B,	Scullville	6	4 50	13 50	Sept	1, 1911	1 year
Kuehnle Louis	Atlantic City,	21	5 00	15 00	Sept	1, 1911	1 year
Lashley Clarence,	Scullville	16	2 00	6 00	Sept	1, 1911	1 year
Lee George B,	Pleasantville,	76	5 00	15 00	March	1, 1911	1 year
Lee Oliver A	English Creek,	34	5 00	15 00	Sept	1, 1911	1 year
Mapel Clara I	Atlantic City,	63	4 88	15 00	Sept	1, 1911	1 year
Mapel Newton J,	Atlantic City,	39	5 00	15 00	Sept	1, 1911	1 year
McEhoy, Samuel W	Atlantic City,	41	4 83	15 00	Sept	1, 1911	1 year
McGurk, Michael,	Atlantic City,	73	5 00	15 00	March	1, 1911	1 year
McKeague Hannah	Scullville	48	4 70	14 25	Sept	1, 1911	1 year
McKeague Seymour	Scullville,	82	1 75	6 00	Sept	1, 1911	1 year
McNamonu A Joseph,	Scullville	78	5 00	15 00	March	1, 1911	1 year
Murtland, Henry J	Atlantic City,	56	3 19	9 75	Sept	1, 1911	1 year
Nelson Alexander H	Atlantic City,	36	5 00	15 00	Sept	1, 1911	1 year
Postoll W S	Atlantic City	67	5 00	15 00	Sept	1, 1911	1 year
Reed Oris	Atlantic City,	46	5 00	15 00	Sept	1, 1911	1 year
Robinson, Dave S,	Scullville	29	2 00	6 00	Sept	1, 1911	1 year
Smith Susan B,	Scullville,	88	3 50	10 50	Sept	1, 1911	1 year
Steelman, Frank,	Atlantic City,	72	4 00	12 00	Sept	1, 1911	1 year
Steelman S S	Atlantic City	50	4 30	13 50	Sept	1, 1911	1 year
Stitzer Samuel	Longport,	80	2 00	6 00	March	1, 1911	1 year
Tallman Eugene,	Scullville,	1	3 00	9 00	Sept	1, 1911	1 year
Webb Alice B	Margate City,	62	3 00	9 00	Sept	1, 1911	1 year
Webb, George S,	Margate City,	2	4 16	12 75	Sept	1, 1911	1 year
Westcott Walter F	Steelmanville,	87	2 00	6 00	March	1, 1911	1 year
Willets Fred W	Brigantine,	38	5 00	15 00	Sept	1, 1911	1 year
Willets, Jennie	Brigantine	85	3 00	9 00	March	1, 1911	1 year
Wilson, L R	Absecon	43	5 00	15 00	Sept	1, 1911	1 year

Oyster Bed Leases—Shark River.

NAME	ADDRESS	No	Acreage	Amount	Date	Term	
Allgor Benjamin E , Allgor Devine,	New Bedford, Como,	11	1	\$1 25	1911	1 year	
		137 138	8	7 50	1911	1 year	
		135 134					
		133 124					
Allgor Devine,	Como	125 126					
		109 110					
		118	3	5 50	1911	1 year	
Allgor Devine, Allgor & Newman,	Como	178	1	1 50	1911	1 year	
		37 to 44					
		52 to 63					
		76 to 79					
		86 and 87	40	20 00	1911	1 year	
Bennett Charles M	Avon,	66 to 73	11	5 50	1911	1 year	
		82 83 84	3	2 25	1911	1 year	
Bennett Charles M , Bennett Edgen, Sr ,	Avon,	175 to 177	3	2 25	1911	1 year	
		28	1	3 00	1911	1 year	
Bennett Edwin F	Avon,	26	1	3 00	1911	1 year	
Bennett, Franklin E	Avon,	21 to 24	4	12 00	1911	1 year	
Bennett, Franklin E	Avon,	4 5	2	6 00	1911	1 year	
Bennett Franklin E	Avon,	47 48	2	1 00	1911	1 year	
Bennett Garriett,	Belmar,	131 132	4	4 00	1911	1 year	
		139 140	4	4 00	1911	1 year	
Bennett Henry A	Avon,	18	1	3 00	1911	1 year	
Bennett Henry A	Avon,	6 7	2	6 00	1911	1 year	
Bennett Henry A	Avon	160 169	2	2 00	1911	1 year	
Bennett Henry A ,	Avon	1	12	3 00	1911	1 year	
Bennett, Wilham	Avon	27	1	3 00	1911	1 year	
Bennett, Wilham	Avon	41 42	2	1 50	1911	1 year	
Bentell E M	Avon	3	1	3 00	1911	1 year	
Borod Willhard & Co	Bradlev Beach	113 114					
		127 128	4	5 00	1911	1 year	
Brown, Harry	Belmar,	29 30 78					
		16 17	6	6 00	1911	1 year	
Campbell, Freeman,	New Bedford,	122 123					
		186 187	4	9 00	1911	1 year	
Campbell Freeman, Campbell Freeman	New Bedford	188 121	2	1 00	1911	1 year	
		189	1	50	1911	1 year	
Campbell Neil	Belmar,	181 182					
		183 184	4	6 00	1911	1 year	
Flemming Henry	Avon	74 75 80					
		81 88 64					
		65	7	3 50	1911	1 year	
Flemming Henry	Avon	13 19	2	4 00	1911	1 year	
Flemming Henry	Avon	123 21 22	4	4 00	1911	1 year	
Gassin Joseph R	Belmar	34	1	2 00	1911	1 year	
Glashan Harry,	Asbury Park	79 80	2	1 00	1911	1 year	
Green, H D	Asbury Park	23 to 25					
		45 to 51	10	7 50	1911	1 year	
		159	1	2 00	1911	1 year	
Howland Mrs Charles	Belmar,	17	1	3 00	1911	1 year	
Low, C L ,	Asbury Park,						
Morris, Alexander Sr ,	Avon	14 to 16	4	12 00	1911	1 year	
		20					
Morris Wilham F	Asbury Park	46 57 68	3	2 00	1911	1 year	
Morris Wilham F ,	Asbury Park	8 9 10 11	4	10 00	1911	1 year	
Newman Wilson I	Belmar	136 4 5					
		154 155 153	7	6 50	1911	1 year	
Newman Wilson L ,	Belmar	115 116	2	4 00	1911	1 year	
Newman Wilson L	Belmar	111 112	2	4 00	1911	1 year	
Newman Wilson L	Belmar	145 152 157					
		158	4	3 00	1911	1 year	
Newman Wilson L	Belmar	163 to 166					
		141 to 144					
		173 174 129					
		130	12	10 00	1911	1 year	

OYSTER BED LEASES—SHARK RIVER—Continued

NAME	ADDRESS	No	Acreage	Amount	Date	Term
Palmer John P	Avon,	49 60	2	\$1 00	1911	1 year
		58 59	2	1 50	1911	1 year
Palmer John P	Avon,	37 38	2	2 00	1911	1 year
Palmer John P	Avon,	12 36	2	2 00	1911	1 year
Tilton Wilham L	New Bedford					
Tucker, Edwin	Avon	1 2	2	2 00	1911	1 year
Wight James	Belmar	35	1	3 00	1911	1 year
Woolley Wilham H ,	New Bedford	146 147	2	2 00	1911	1 year
Woolley Huam	New Bedford	148	1	1 50	1911	1 year
Woolley, E S V	New Bedford	149 150 151	3	3 50	1911	1 year
Woolley George	Avon	69	1	1 00	1911	1 year
Woolley William H	New Bedford	185	1	1 00	1911	1 year

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