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FOR THE FISCAL YEAR ENDING
JUNE 30, 1940

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STATE OF NEW JERSEY

BOARD OF COMMERCE AND NAVIGATION

STATE HOUSE
TRENTON, N. J.

1060 BROAD STREET
NEWARK, N. J.

O F F I C E R S

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J. SPENCER SMITH	PRESIDENT
JOHN MURLAND	VICE PRESIDENT

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JAMES J. KELLY	ALFRED A. LA FOUNTAIN
LESLIE S. STERLING	LOUIS SCHIAVONE

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HENRY J. SHERMAN	CONSULTING ENGINEER
H. L. JONES	CONSULTING ENGINEER
ROBERT PEACOCK	SPECIAL COUNSEL

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R E P O R T
POWERS AND DUTIES OF THE
BOARD

The following is a resume' of the powers and duties of the Board as established in Chapter 242, Laws of 1915, approved April 8, 1915, with its various amendments to date. (Revised Statutes Title 12, Chapters 1-7 inclusive.)

Eight members appointed by the Governor with the advice and consent of the Senate, constitute the Board of Commerce and Navigation. The term of each member is four years without pay. The regular meeting date is the first Monday of each month at the State House. Offices are maintained at the State House and at 1060 Broad Street, Newark, New Jersey.

The act creating the Board (L.1915, c.242; R.S. 12:2-1 to 12:2-20) merged into and vested therein all the powers and duties devolved by law upon the Board of Riparian Commissioners, (L. 1864, c.391, et seq; R.S. 12:3-1 to 12:3-71), the Department of Inland Waterways (L. 1908, c.15; R.S. 12:6-3), the Inspectors of Power Vessels (L. 1906, c.91; R.S. 12:7-34), and the New

Jersey Harbor Commission (L. 1914, c.123; R.S. 12:2-1, 12:2-15, and 12:5-1 to 12:5-8), into which was merged the New Jersey Ship Canal Commission (L. 1911, J.R.8). In addition to effecting a consolidation of existing agencies, the act designated the Board of Commerce and Navigation as the body in which are lodged the residuary powers of control and direction of all matters relating to commerce and navigation not specifically committed to other State departments and agencies.

ADMINISTRATION OF RIPARIAN LANDS

The Board administers the State's valuable right, title and interests in tidal and navigable waters. As the custodian of State lands under tidal waters, it makes grants and leases; issues bridge and other crossing rights, and collects royalties on sand and gravel dredged from the State's lands under water; has jurisdiction in the reclaiming of, or building upon lands under tidewater, and the abatement of purprestures; and compels the removal of boats illegally moored or fastened upon riparian lands.

WATER FRONT AND HARBOR FACILITIES

The Board, as successor to the New Jersey Harbor Commission, is charged with the duty of investigating the condition of water front or harbor facilities and any other matters incident to the movement of commerce upon all navigable waters in the State or bounding thereon. It prevents encroachment on the water front, and recommends measures necessary to restrain or remove objects or con-

structions prejudicial to the movement of commerce; and its approval must be obtained for all plans of construction or alteration of any dock, wharf, piers, bulkhead, groin, jetty, bridge, pipe-line, cable or other structures and the water front development on tidal waters, including necessary dredging.

INLAND WATERWAYS

The Board conducts the work of developing, maintaining and improving inland waterways; regulates the operation of power vessels on navigable waters above tide-water and on inland lakes; and appoints harbor masters to supervise the use of inland waterways, to prevent any undue obstruction therein by the anchorage of boats and barges in unsuitable locations, to regulate the speed of boats, and to enforce, on waterways within the jurisdiction of the State, the laws pertaining to power and other vessels, and the observance of the rules and regulations of the Board. It marks by suitable ranges, buoys and beacons the main channel of the Inland Waterway between the Manasquan Inlet and Cold Spring Inlet at Cape May a distance of 123 miles, as well as some 109 miles of tributary channels; and maintains and operates a public yacht basin at Forked River, Ocean County.

STATE BOUNDARY MONUMENTS

The Board also makes a triennial examination of all monuments marking the State boundary between New Jersey and New York from Raritan Bay to Port Jervis. In

cooperation with the Superintendent of Public Works of the State of New York, it repairs, restores, or replaces any monuments to be set wherever such are wanting at points where the State boundary is intersected by the boundary of any municipalities or counties of this State, or by any highway.

COAST PROTECTION

Other outstanding duties and responsibilities of the Board are the administration of State aid to municipalities for coast protection; and the protection of inlets through the construction of jetties and other structures.

DISCUSSION OF BOARD'S POWERS

Of particular significance in considering the scope of the Board's work, is Section 7 of the Act of 1915, which recites specifically certain very important powers which theretofore existed only by implication in the Departments that were merged.

This section reads: "The Board of Commerce and Navigation shall have full control and direction of all State projects and work relating, in any way whatsoever, to commerce and navigation, except such work as is conferred upon other Boards, not included within the provisions of this act. It shall make such rules and regulations governing work of the departments and the conduct of its employees as, in its opinion, may be necessary to promote the interests of the State, in all matters herein com-

"mitted to its charge."

Obviously Section 7 of the Act of 1915 signifies a very important recognition of the State's interest in the control and direction of State projects and work relating to commerce and navigation. It is important also as the citation of the Board of Commerce and Navigation as the body in which the State lodged the residuary powers of control and direction of matters relating to commerce and navigation by committing to the Board all such matters not theretofore specifically committed to other boards.

It is in general terms, then, that the Act, Chapter 242 of the Laws of 1915, expressly demonstrates enlarged interest by the State in its commerce and navigation. The Act is one not only of consolidation of existing boards but also of amplification of State interest. The statutes which governed the operation of the Inland Waterway Department were narrowly limited and circumscribed to a defined area in the southern part of the State. The operation of the Harbor Commission statutes is also circumscribed in that it is limited to navigable waters. Nothing in the title or body of the statute creating the Harbor Commission reveals any hint of legislative intent to extend the scope of the legislation to the hinterland. While it may be a fair subject of presumption that operations which were clearly related to harbor facilities, such as railway belt lines, would by implication come within its prescriptions, nevertheless the intent of the

Act is clearly to confine its scope to harbor operations.

The scope of the riparian statutes is not so strictly limited by definition of the Acts. The legislative intent was to create a commission to administer the State's valuable right, title, and interests in lands flowed by tidewater. As the duty thus laid upon the Riparian Commission was to obtain full value for the lands it leased and sold and to do what it could to preserve and enhance the values of the lands flowed by tidewater, the Riparian Commissioners are, in a very fair sense, to be regarded as trustees. Presumably, therefore, the Riparian Commission was impliedly authorized by the Acts creating it and defining its practice to do what it could to further the interests in the State in these lands under tidewater. Doubtless, it had broad powers beyond the sale and lease of lands under water, and interests therein, but these powers existed more by implication than by strict definition and expression of the statutes.

It has been said in previous reports of the Board of Commerce and Navigation, and must be repeated here, that the Legislature has created a most important additional department to the Board's work by the enactment of the Coast Protection statutes, the earliest of which is Chapter 318, Laws of 1920, entitled "An Act appropriating from the State Fund a sum of money to be expended by and under the direction of the Board of Commerce and Navigation for the construction in whole or in part of such

works and structures, including seawalls, bulkheads and jetties and other approved devices necessary and proper to protect the riparian lands and taxable property of this State in municipalities within any county bordering on the Atlantic Ocean, from destruction by encroachments of the Atlantic Ocean and other destruction agencies of the sea."

This is an extremely vital part of the Board's work to which it has necessarily given much serious consideration for many years past. Surely this interest is justified for the values affected are tremendous.

LEGISLATION ENACTED
1 9 4 0

Statutes enacted by the 1940 Legislature which closely affect the work of this Board comprise the following:

CHAPTER 52

AN ACT concerning the Board of Commerce and Navigation and supplementing Title 12, chapter six of the Revised Statutes.

BE IT ENACTED BY THE SENATE AND GENERAL ASSEMBLY OF THE STATE OF NEW JERSEY:

1. In addition to the powers conferred by the provisions of the act to which this act is a supplement, the Board of Commerce and Navigation is hereby authorized and empowered to repair, reconstruct, or construct bulkheads, groins or jetties, on any and every beach front along the Atlantic ocean in the State of New Jersey, to repair damage caused by erosion and storm, or to prevent erosion of the beaches.
2. The Board of Commerce and Navigation is further authorized and empowered to use the facilities and services of any branch of the Federal Government and any funds which may now be available or which may hereafter be appropriated by the Federal Government for the purpose of beach erosion, and beach protection.
3. The Board of Commerce and Navigation is further authorized and empowered to dredge and remove any and all obstructions in every waterway or stream in the State of New Jersey to a depth to be determined by the Board.
4. There is hereby appropriated from the State Highway Fund and directed to be paid by the State Treasurer the sum of two hundred fifty thousand dollars (\$250,000.00) for beach protection in the city of Long Branch along the shores of the Atlantic ocean in the county of Monmouth.
5. The specific appropriation herein made for beach protection in the city of Long Branch shall not be expended until the city of Long Branch shall have made available

therefor the sum of one hundred thousand dollars (\$100,000.00), and the county of Monmouth shall have made available therefor the sum of fifty thousand dollars (\$50,000.00), which shall be used in conjunction with the appropriation in this act authorized.

6. There is hereby further appropriated from the State Highway Fund and directed to be paid by the State Treasurer the sum of one hundred forty-five thousand dollars (\$145,000.00) for beach protection, and dredging in the counties of Ocean, Atlantic, Cape May and Cumberland.

7. The Director of the Board of Commerce and Navigation shall apportion the specific appropriation herein made under paragraph six to the counties outlined, and shall be empowered to accept and spend in conjunction with the State of New Jersey's appropriations such sums of money as may be allotted by the counties, and municipalities in the counties, for dredging and beach protection.

8. All monies so appropriated by the State of New Jersey, the Federal Government, the city of Long Branch, and the counties of Monmouth, Ocean, Atlantic, Cape May and Cumberland shall be used by the Board of Commerce and Navigation and expended under the direction of its director for the aforesaid purposes.

9. This act shall take effect immediately.
Approved May 1, 1940.

CHAPTER 88

AN ACT to provide for the construction, dredging and maintenance of a yacht basin or anchorage at the Leonardo harbor, at Leonardo, in the township of Middletown, county of Monmouth and State of New Jersey, and making an appropriation therefor.

BE IT ENACTED BY THE SENATE AND GENERAL ASSEMBLY OF THE STATE OF NEW JERSEY:

1. In addition to the powers conferred by the provisions of chapter six of Title 12 of the Revised Statutes, the Board of Commerce and Navigation is authorized and empowered to provide for the construction, dredging and maintenance of a yacht basin or anchorage area at Leonardo, in the township of Middletown, county of Monmouth and State of New Jersey, at the Leonardo harbor, and to do all things necessary in connection therewith for effectuating this act; and included therein is the right to do the said work either a complete

project or to contribute to the township of Middletown or any other municipality carrying on said project.

2. The sum of fifty thousand dollars (\$50,000.00) is hereby appropriated to cover the costs of said work, to be expended by said Board of Commerce and Navigation, in accordance with the laws of this State when included in any annual or supplemental appropriation bill or from any other funds allotted to the Board of Commerce and Navigation for said purpose.

3. This act shall take effect immediately.
Approved June 17, 1940.

CHAPTER 89

AN ACT to provide for the construction, dredging and maintenance of a yacht basin or anchorage at or near the mouth of Way Cake Creek, in the borough of Keansburg and township of Raritan, in the county of Monmouth and State of New Jersey, and making an appropriation therefor.

BE IT ENACTED BY THE SENATE AND GENERAL ASSEMBLY OF THE STATE OF NEW JERSEY:

1. In addition to the powers conferred by the provisions of chapter six of Title 12 of the Revised Statutes, the Board of Commerce and Navigation is authorized and empowered to provide for the construction, dredging and maintenance of a yacht basin or anchorage area at and near the mouth of Way Cake Creek in the borough of Keansburg and township of Raritan, in the county of Monmouth and State of New Jersey, and to do all things necessary in connection therewith for effectuating this act.

2. The sum of seventy-five thousand dollars (\$75,000.00) is hereby appropriated to cover the cost of the said work, to be expended by said Board of Commerce and Navigation, in accordance with the laws of the State, when included in any annual or supplemental appropriation bill or from any other funds allotted to the Board of Commerce and Navigation for said purpose.

3. This act shall take effect immediately.
Approved June 17, 1940.

CHAPTER 161

AN ACT authorizing municipalities to create, by ordinance, a local harbor and water front commission and defining the powers and duties thereof, and supplementing chapter sixty-eight of Title 40 of the Revised Statutes.

BE IT ENACTED BY THE SENATE AND GENERAL ASSEMBLY OF THE STATE OF NEW JERSEY:

1. The governing body of each municipality is hereby authorized to create, by ordinance, a local harbor and water front commission to be known as "The Harbor Commission of....."(here insert name of municipality). Such commission shall consist of seven persons, residents of such municipality, and shall be appointed by the governing body. Two members of said commission shall be members of the governing body and shall be appointed annually, and the remaining five members shall be appointed for the following terms: one member for a term of one year; one for a term of two years; one for a term of three years; one for a term of four years and one for a term of five years. Thereafter all appointments, except the members of the governing body who shall be appointed for the period of one year, shall be for the term of five years each, and the members shall serve until their successors are appointed and qualified.

2. The commission so created shall be vested with such powers and duties as shall be defined and designated by ordinance adopted by the governing body of such municipality with respect to the management, operation and control of the harbor and water front owned or leased by said municipality, including the construction, maintenance, operation and use of the harbor, water front, beach, land and all properties, structures, piers, bulkheads and jetties located upon lands owned or leased by the municipality and upon lands owned or leased by the municipality contiguous to such harbor, water front and beach.

3. Any act by the commission so created involving an expenditure, lease or transfer of property to a value exceeding five hundred dollars (\$500.00) shall require the approval of the municipal governing body.

4. This act shall take effect immediately.
Approved June 28, 1940.

RIPARIAN DIVISION

The aggregate value of the riparian transactions represented by ~~143~~ instruments issued during the fiscal year amounts to \$97,141.86. The evaluation of the total business transacted, including partial payments for the grant heretofore delivered to the City of Perth Amboy, license fees on old licenses, rentals on old leases, interest on deferred payments, illegal use and occupancy of the State's lands and miscellaneous receipts amounts to \$123,342.20.

The considerations for the grants and capital sums of leases acquired for industrial and commercial purposes amount to approximately \$55,000.

Twenty-one leases were reported in arrears by the State Treasurer and subject to foreclosure. The Board was successful in obtaining payment of the unpaid rentals on 18 of these cases, and negotiations are now being carried on in an effort to obtain settlement on one of these leases. One lease has been cancelled upon payment of the rentals to the date of cancellation and only one lease was required to be foreclosed.

Since the inception of the former Riparian Commission

in 1869, valuable records and maps pertaining to the State's waterfront and waterfront properties have accumulated. These riparian records of the Board are resorted to in a greatly increasing degree by owners of waterfront properties holding conveyances of some sort of riparian rights to ascertain the extent and force of such rights, also by title companies and lawyers in the matter of title searches and by engineers for the purpose of obtaining data on the location of the exterior lines, property lines and the boundaries of riparian grants and leases.

With a view to facilitating the examination and better preservation of these records, work is now under way to assemble in geographical order by counties and waterways and bind in permanent form all riparian cases and records in the custody of the Board. The cases filed with the Board since its creation in 1915, those filed with its predecessor, the Riparian Commission, 1869-1915, together with Freeholder's Licenses and direct grants made by Acts of Legislature-- in all comprising 100 years of records, are being co-ordinated with the maps of the Riparian Atlas. These cases are being catalogued, indexed and bound under Project #5903-0, conducted under the auspices of the Works Project Administration of New Jersey, sponsored by Mr. Bernard Lamb, Commissioner of Finance, and is under the immediate supervision of the research engineer of the staff of the Board.

All riparian conveyances are recorded and bound in

some 70 books or libers. The conveyances made in the early days of the former Riparian Commissioners were copied for record in handwriting, and in later years and up to the present time the recorded instruments are either typed copies or carbon copies of the originals, all of which are permanently bound in these libers.

These libers of recorded instruments as a result of many years of constant use are becoming worn. To insure their permanency, these records are now being photostated by the Board's photostat equipment and a duplicate set made for reference use. The original books will be filed in a vault in the State House. All the instruments of conveyances now being made are reproduced in duplicate for record by the photostat method.

The preparation of the large number of riparian instruments entailed a large volume of detail work and little time could be devoted to the mapping of additional sheets for the Atlas of Riparian Lands and Conveyances. Thirteen new sheets were prepared during the fiscal year.

The following is a summary of the business transacted by the Board for the fiscal year ending June 30, 1940 (Details are given in Appendix "A")

The Board delivered during the fiscal year ending June 30, 1940:

Item No.	No.	Units		
(1)	82		Grants in Fee having a total value of.....	\$67,499.36
(2)	1		Grant converted from lease yielding.....	1,500.00
(3)	9		Easements and Licenses in Perpetuity.....	750.00
(4)	10		Convertible Leases, 15 years or longer (Principal Sum Value)	
			6 - 15 year convertible leases	\$13,835.75
			1 - 50 year convertible lease	1,649.70
			1 - Sixty Year Convertible lease	5,036.50
			2 Perpetual Convertible Leases	<u>6,041.63</u>
				26,563.58
	2		Non-Convertible Long Term Leases (Capitalized Rental Value)	
			1 - 15 year Non-Convertible Lease	2,167.14
			1 - 20 year " " "	<u>1,000.00</u>
				3,167.14
(5)	6		Non-Convertible Short Term Leases (Aggregate Full Term Rentals)	
			5 - 5 year non-convertible leases	1,230.98
			1 - 7 year " " lease	<u>1,183.35</u>
				2,414.33
(6)	9		Revocable Licenses (Lump Sum Payments)	447.50
(7)			Revocable Licenses-Annual Fees (New & Old)	
			7 New Licenses	115.84
			Old Licenses (Incl. Arrears)	2,331.02
			Interest on Arrears	<u>155.42</u>
				2,602.28
(8)			Royalties (Collected during Fiscal Year)	
			5 Sand Dredging Licenses	4,433.11
			4 Licenses to Dredge	<u>177.50</u>
				4,610.61
(9)			Collection of Lease Rentals in Arrears	
			Account Rentals due June 30, 1939	3,635.01
			Interest on Arrears	<u>229.52</u>
				3,864.53
(10)			Riparian and Miscellaneous Receipts	
			Riparian Fees	
			1 Confirmatory Grant	50.00
			1 Agreement	1.00
			Forfeited Deposits	None
			6 Certified Copies of Instruments	<u>22.50</u>
				73.50
			Rentals for Illegal Occupancy of State's Riparian Lands	<u>361.66</u>
				435.16
(11)			Current Rentals and Payments Not Included Above	
			Installment Payments on Grants	
			Grant to City of Perth Amboy dated July 6, 1936 on Staten Island Sound	954.32
			Grant dated July 6, 1936 to City of Perth Amboy on Raritan River	<u>1,409.23</u>
				2,363.55
			Rentals on New Capitalized Leases (Item 4)	734.78
			Current Rentals on Old Leases	<u>6,389.38</u>
				(9,487.71)
(12)			Evaluation of Total Business Transactions During Fiscal Year excluding Item 11 representing monies received by the Board for Transmission to the State Treasurer	\$113,854.49
			Gross Total including Item 11	\$123,342.20

RIPARIAN MONIES

A summary of the business transacted over the ten-year period, July 1, 1930 to June 30, 1940, is presented in the accompanying table. In addition to the transactions by the Board, this table gives for comparative purposes and background a tie-in with the State School Fund, a recapitulation of State Treasurer's reports, the technical features of which have to a large extent been eliminated so as to give a clearer picture of the connection between the riparian transactions of the Board and the half-million dollar annual disbursement to the support of Free Public Schools.

The law provides that all monies received from sales and rentals of under-water lands belonging to the State, shall, after necessary administrative expenses have been deducted, be paid over to the trustees of the School Fund for the support of free public schools. The State School Fund derived from these riparian monies is a trust fund established by the State Constitution, and the revenue therefrom is dedicated to school districts for school purposes.

Thus the sale of, and income from, riparian lands is of considerable importance to the school system of the State. Monies received from sales are invested by the trustees of the School Fund, the income from which, together with receipts from leases and licenses, is used for the support of free public schools.

During the ten-year period from July 1, 1930 to June 30, 1940, these disbursements have been at the rate of \$500,000.00 per year, with additional disbursements of \$100,000.00 during 1931, 1932 and 1933, when the depression was at its worst and additional funds were badly needed, making a total disbursement for the support of schools of \$5,300,000.00 during the ten-year period from riparian monies.

In addition, the principal of the School Fund (Riparian Monies) was increased \$1,431,084.87 from \$12,010,899.51 on July 1, 1930 to \$13,441,984.38 on June 30, 1940, notwithstanding a decrease in sales and a net cancellation of \$461,753.60 in leases during the depression period. Total assets are now fourteen million dollars, and although no recent valuation has been placed upon all riparian lands remaining unsold, it is estimated that their value is in excess of \$50,000,000.00.

Invested funds and cash on hand now total \$12,860,926.07. Invested funds are derived principally from the sale of grants, year 1869 to date. The net income from invested funds for 1940 fiscal year was \$489,564.47 and the net total income was \$547,058.43. Of this \$49,168.89 was from rentals on some 150 leases. As more grants are sold and leases are converted into grants, the annual income from the principal of the School Fund will become progressively larger, and eventually there will be an annual disbursement

for the support of free public schools substantially larger than the \$500,000.00 annual payments now possible.

A summary of business transacted over the past ten years is presented in the accompanying table.

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SUMMARY OF RIPARIAN BUSINESS TRANSACTED BY STATE BOARD OF COMMERCE AND NAVIGATION - TEN YEAR PERIOD, 1931 to 1940 Incl.
 with Recapitulation Showing Its Relation to Building-Up of the School Fund and Annual Disbursements from the Income Thereof to the Support of Free Public Schools^b

Item No.	Summary of Items in Annual Reports	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	TEN YEAR PERIOD TOTALS	Item No.
<u>Riparian Transactions By Board of Commerce and Navigation - Year Ending June 30th</u>													
1	Grants and Cessions (Total Considerations)	\$ 633335.36	\$ 143732.52	\$ 173044.5	\$ 192412.6	\$ 479116.4	\$ 127836.77	\$ 650033.73	\$ 51594.54	\$ 59604.93	\$ 67499.36	1818094.56	1
2	Leases Converted into Grants (Total Considerations)	-	3353.55	1276.45	11483.20	22609.51	22725.94	1126.00	8881.51	18535.89	15000.00	91492.05	2
3	Easements and Licenses in Perpetuity (Total Considerations)	1200.00	2350.00	2500.00	8500.00	5000.00	8125.00	1375.00	8050.00	975.00	7500.00	24425.00	3
4	Long Term Leases (Principal Sum ^{and of} Capitalized Values)	1889.15	35158.88	32745.34	15138.66	6279.47	17709.68	56843.90	9884.78	5623.01	29730.72	211003.59	4
5	Short Term Leases (Aggregate Full Term Rentals)	-	-	1137.75	1000.00	8439.70	1103.84	3006.00	8109.15	663.46	2414.33	24974.23	5
6	Revocable Licenses - Lump Sum Payments (New)	5500.00	4700.00	3500.00	4500.00	7580.00	1014.00	120.00	1176.00	650.00	447.50	5072.90	6
7	Revocable Licenses - Annual Fees (New and Old) ^c	5000.00	3339.00	4850.00	3500.00	4040.00	413.00	270.00	9064.40	3215.03	2602.28	16959.01	7
8	Royalties - Sand Dredging	8042.44	5112.58	2482.92	2176.52	1978.02	2286.76	1482.14	450.32	586.34	4610.61	29208.65	8
9	Collection of Arrears in Lease Rentals and Interest	23663.18	3954.48	5897.98	9187.32	8252.42	8172.17	7357.86	2858.48	2795.24	3864.53	76003.66	9
10	Riparian Fees and Miscellaneous Receipts (Confirmatory Grants, Agreements, Fees for Copies and Redrafting of Instruments, Forfeited Deposits, Rentals for Illegal Occupancy and Use of Riparian Lands, Etc.)	6000.00	569.80	389.50	760.00	1100.00	636.00	6600.00	1081.00	415.00	435.16	4972.46	10
11	Current Rentals and Receipts Not Included Above ^d	e	e	e	e	e	e	e	e	8308.68	9487.71	e	11
12	Evaluation of Business Transactions During Fiscal Year (Items 1-10 incl.) ^d	669780.13	195035.71	62319.39	58737.96	96879.16	189110.56	722274.63	101150.18	93063.90	113854.49	2302206.11	12
13	Annual Appropriations for Expenses of Board (R.S. 18:10-7)	85532.00	87458.00	44590.55	23842.00	28318.48	27028.48	48575.04	39042.34	53002.34	58440.00	495829.23	13
14	NET PROCEEDS TO SCHOOL FUND	\$ 584248.13	\$ 107577.71	\$ 17288.4	\$ 34895.96	\$ 68560.68	\$ 162082.08	\$ 67369.59	\$ 62107.84	\$ 40061.56	\$ 55414.49	\$ 1806376.88	14
<u>Recapitulation of State Treasurer's Annual Reports on School Fund</u>													
<u>Receipts - Income Account</u>													
15	Net Income from Invested Funds	\$ 533877.09	\$ 503550.51	\$ 435602.49	\$ 482066.51	444223.84	\$ 550854.97	\$ 587940.92	\$ 491856.05	\$ 534748.34	\$ 489564.47	\$ 5104285.19	15
16	Riparian Receipts - Rentals, Licenses, Fees, Interest, Etc.	72894.45	59556.03	54315.85	56045.82	59137.26	51998.87	60228.60	59652.80	45039.08	57493.96	576317.72	16
17	Net Total Income	606726.54	563106.54	489918.34	538112.33	553361.00	602853.84	648169.52	551508.85	579787.42	547058.43	5680602.91	17
<u>Receipts - Investment Account</u>													
18	Grants, Easements and Licenses in Perpetuity (Net)	349851.05	428746.32	17475.98	19175.23	37036.87	136823.12	40339.59	312143.28	59782.99	70612.91	1471987.24	18
19	Leases Converted into Grants	27084.00	6731.79	1276.45	1052.70	33140.01	32934.99	1125.00	6257.78	18535.89	15000.00	129638.61	19
20	Net Discount on Bond Purchases	-	162.50	9203.73	16538.75	5210.00	400.00	10522.12	3747.17	40910.00	9009.93	210522.20	20
21	Transfers from Income Account	-	-	-	-	-	-	50000.00	100000.00	-	-	150000.00	21
22	Total Additions During Fiscal Year	376935.05	435640.51	27956.16	36766.68	75386.88	170158.11	101986.71	455877.23	119228.87	162211.84	1962148.05	22
<u>Changes in Principal of School Fund</u>													
23	Net Total Additions to Invested Funds	266500.00	448010.00	72581.40	28050.00	111000.00	126823.91	187268.60	453878.40	-118115.60	200150.00	1676246.71	23
24	New Leases	1889.15	35546.08	44881.36	14827.66	38153.52	22445.79	27792.61	9884.78	6215.25	31472.76	233108.96	24
25	Leases Converted and/or Cancelled	36002.02	23309.19	94622.80	52603.43	61351.52	136517.01	48449.76	55234.61	150299.77	36472.45	694862.56	25
26	Net Total Changes Invested Funds and Leases	232387.13	460246.89	22839.96	-9725.77	-12098.00	12752.69	166611.45	408528.57	-262200.12	195150.31	1214493.11	26
<u>Assets in School Fund at End of Fiscal Year</u>													
27	Invested Funds (Principal Account)	1198030.00	1164604.00	1171862.140	1174667.140	1175771.140	1188459.531	1207186.391	1252574.231	1240762.671	1260777.671	+1676246.71	27
28	Cash (Investment Account)	61460.65	49091.16	4465.92	13182.60	51966.63	95300.83	100189.4	53882.55	291087.52	253149.36	+216591.76	28
29	Riparian Leases (Principal Account) ^{fgh}	1011586.24	1020935.93	971194.49	933418.72	910220.72	796149.50	775492.35	730142.52	586058.00	581058.31	-461753.60	29
30	Principal of School Fund	12271076.89	12716067.09	12694281.81	12693272.72	12719958.75	12776045.64	12857375.20	13309767.38	13284772.23	13441984.38	+1431084.87	30
31	Undistributed Reserves (Cash-Income Account)	390118.85	265867.39	111195.18	125465.51	178826.61	252441.20	324520.67	227454.48	254379.07	242892.50	-140499.81	31
32	Accounts Receivable ^{ijh}	325891.78	76936.00	21572.93	31868.95	146899.43	8491.29	62985.15	384165.85	408732.63	438303.25	+416626.91	32
33	TOTAL ASSETS (Riparian Moneys) IN SCHOOL FUND	\$ 12987087.52	\$ 12989628.08	\$ 12827048.92	\$ 12850607.18	\$ 13045684.79	\$ 13037478.13	\$ 13811748.02	\$ 13921387.71	\$ 13947883.93	\$ 14123180.13	\$ 1707211.97	33
34	Increase in Principal of School Fund During Fiscal Year	\$ 260177.38	\$ 444990.20	\$ -21785.28	\$ -1009.09	\$ 26686.03	\$ 56086.89	\$ 81329.56	\$ 452392.18	\$ -24995.15	\$ 157212.15	\$ 1431084.87	34
35	Annual Disbursement for Support of Free Public Schools ^k	\$ 600000.00	\$ 600000.00	\$ 600000.00	\$ 500000.00	\$ 500000.00	\$ 500000.00	\$ 500000.00	\$ 500000.00	\$ 500000.00	\$ 500000.00	\$ 5300000.00	35

FOOT-NOTES TO ACCOMPANY TABLE OF RIPARIAN TRANSACTIONS
TEN-YEAR PERIOD JULY 1, 1930 to JUNE 30, 1940

- a. Revised Statutes, Title 12, Chapter 3, (12:3-1 to 12:3-71).
- b. Revised Statutes, Title 18, Chapter 10, Article 1 (18:10-1 to (18:10-17)
- c. Years 1931-1937 new licenses only; beginning 1938 year, Board of Commerce and Navigation took over from State Treasurer the collecting of all license fees, new and old, and the figures for 1938, 1939 and 1940, include all current license fees, including arrearage and interest.
- d. Item (11) represents moneys received by the Board, not assignable as New Business, and transmitted to State Treasurer, including; installment payments on grants (i and j); rentals on new capitalized leases (Item 4); and current rentals on old leases. This item, while contained in the tabulation to complete the record, is not included in the summation of total business transactions (Item 12).
- e. Totals (Item 11) not compiled prior to 1939 Fiscal Year.
- f. Years 1931-1938 incl., capitalized valuation as per State Treasurer's Register.
- g. Years 1939 and 1940, leases revalued to exclude principal sum where conversion privilege has expired and leases have less than 15 years to run, and substituting as measure of value, aggregate rentals for unexpired term. Same evaluation method was applied to short term leases. This explains the apparent heavy cancellation in 1939.
- h. Principal of judgment on account of arrears in lease rentals, included in the valuation of leases, 1931-1938, incl., but which it was necessary in 1939 to place in hands of the Attorney General for collecting, was transferred to Accounts Receivable (Item 32).
- i. Includes payments on two grants made July 6, 1936, payable in five annual installments of \$2,363.55, with interest.
- j. Includes a \$600,000.00 grant negotiated in June 1937, payable in installments, initial payment of \$247,500.00 of which was transmitted to State Treasurer in 1938 fiscal year. Balance of \$352,500.00 is payable in two installments- \$100,000 July 1, 1943, and \$252,500 July 1, 1951, with interest at 4 per cent.
- k. Revised Statutes, 18:10-15, 16, 17 and 27.

POWER VESSEL INSPECTION

The Power Vessel Division of this Board cooperated with the officials in charge of the New Jersey State Championship Regatta, which was held on July 8th and 9th, 1939, at Lake Hopatcong, N. J., in patrolling the course during the actual races and in assisting in various other ways to make this occasion an outstanding event in boating circles in New Jersey.

Favorable comments have been received from officials and other interested boatmen commending the Board on the manner in which the course was policed and the fact that there were no untoward incidents of any nature.

Chief Inspector Tooker and the Special Inspectors of this Board who assisted in this work deserve high commendation for the part they played.

The accompanying figures indicate a healthy increase in the number of power vessels in use on the inland waters of the State and a faithful and active cooperation on the part of the Board's staff of Special Inspectors in issuing licenses and enforcing the Power Vessel Law.

POWER VESSELS

The following table shows the number of licenses issued for operating power vessels on the inland waters of this State above tidewater, and the receipts therefor for the season of 1939.

2,546 Operators	\$1.50	\$ 3,819.00
1,915 Private Boats	1.50	2,872.50
33 Passenger Boats	15.00	495.00
5 Commercial Boats	5.00	25.00
7 Dealers Licenses	5.00	35.00
15 Transfers	1.00	15.00
Fines		64.00
Postage		<u>.48</u>
		\$ 7,325.98

31 Boat Licenses and 53 Operators Licenses issued to Inspectors, Special Inspectors, Police and Game Wardens, for which no charge was made.

Fees paid to Special Inspectors at the rate of \$0.25 for each license issued.....	<u>935.00</u>
	\$ 6,390.98
Receipts for season 1938.....	\$ 6,670.77
Receipts for season 1939	\$ 7,325.98
Increase for 1939.....	\$ 655.21

DEPARTMENT OF PERMITS
HARBOR DIVISION
FISCAL YEAR 1939-1940

Permits for the erection of structures and dredging on navigable waters, issued under Chapter 123 of the Laws of 1914, Title 12, Commerce and Navigation, Article 1, Section 12:2-1 of Revised Statutes of New Jersey, approved December 20, 1937, through this division for the fiscal year 1939 to 1940, numbered 122. The total value of the improvements authorized thereunder was \$2,732,302.00. These permits can be summarized as follows:

<u>CHARACTER OF WORK</u>	<u>AMOUNT</u>	<u>NO. OF PERMITS</u>
Bridges	\$ 771,629.00	11
Cables	123,994.00	10
Maintenance Dredging	187,236.00	16
Pipe Lines (Submarine)	84,050.00	6
Structures	<u>1,565,393.00</u>	<u>79</u>
	\$2,732,302.00	122

Among the outstanding permits in the list are these:

State Highway Department Bridge across Berry's
Creek in East Rutherford, Bergen County.....\$500,000.00

Sandy Hook Breakwater and Boat Basin in
Atlantic Highlands, Monmouth County.....\$250,000.00

INLAND WATERWAY
DREDGING AND CONSTRUCTION

DREDGING

The following dredging for the maintenance, improvement and extension of the State Inland Waterways was authorized by the Board and contracts were entered into during the fiscal year July 1, 1939 to June 30, 1940.

PROJECT NO. 135- CONTRACT NO. 135.. dated October 2, 1939, with the Eastern Engineering Co., 4 North North Carolina Avenue, Atlantic City, N. J., the lowest bidder, provided for the widening of the existing channel of an average width of 100 feet in Shark River, Borough of Belmar, County of Monmouth, N. J.

Total amount of contract, 4500 cubic yards of material to be removed at the unit bid price of \$0.22 per cubic yard, or a total amount of.....\$ 990.00

Dredging work under this contract was begun on October 5, 1939 and completed on October 8, 1939.

Total amount of work completed under contract and final estimate dated November 4, 1939, was 4500 cubic yards of material removed from channel at \$0.22 per cubic yard, or a total cost of.....\$ 990.00

PROJECT NO. 136- CONTRACT NO. 136..dated December 28, 1939 with the Gray Construction Co., Morristown, N. J., the lowest of three bids received at public letting, provided for the removal of a ledge of rock and earth material on the north side of City Channel, to a minimum depth of 30 feet below mean low water, at Port Newark, City of Newark, Essex County, N. J.

Total amount of contract 940 cubic yards of all material encountered to a minimum depth of 30 feet below mean low water at the unit bid price of \$9.50 per cubic yard, or a total amount of.....\$ 8,930.00

Dredging work under this contract was begun on February 13, 1940 and completed April 30, 1940.

Total amount of work completed under this contract and final estimate dated May 14, 1940 was 936 cubic yards of material removed from channel at \$9.50 per cubic yard, or a total cost of.....\$ 8,892.00

PROJECT NO. 137- CONTRACT NO. 137...dated December 28, 1940, with the Long Island Dredging Corporation, 147-32 Jamaica Avenue, Jamaica, New York, the lowest of three bids received at public letting, provided for the dredging of a channel and anchorage basin in West Creek, Eagleswood Township, Ocean County, N. J. Length of channel 3,375 feet, having an average bottom width of 80 feet and a minimum dept of 6.0 feet below mean low water.

Total amount of contract 50,000 cubic yards of material to be removed from channel at the unit bid price of \$0.228 per cubic yard, or a total amount of.....\$11,400.00

Before dredging work began under this contract the plans of the anchorage basin were revised with an estimated increase in volume of 3,500 cubic yards. The Contractor agreed, in writing, to do this additional dredging at his original unit bid price of \$0.228 per cubic yard, or a total increase of.....\$ 798.00

Dredging work under this contract was begun May 28, 1940 and completed June 19, 1940.

Total amount of work completed under this contract and final estimate dated July 12, 1940 was 53,499 cubic yards of material removed at \$0.228 per cubic yard, or a total cost of.....\$12,197.77

PROJECT NO. 138- CONTRACT NO. 138- dated December 28, 1939 with the Long Island Dredging Corporation, 147-32 Jamaica Avenue, Jamaica, N. Y., the lowest of three bids received at public letting, provided for the widening of the existing channel and the dredging of an anchorage basin, all to a minimum depth of 6.0 feet below mean low water in Macote Creek, at City of Port Republic, Atlantic County, N. J.

Total amount of contract 20,000 cubic yards of material to be removed at the unit bid price of \$0.298 per cubic yard, or a total amount of..... \$ 5,960.00

Dredging work under this contract began March 31, 1940 and was completed May 17, 1940.

Total amount of work completed under the contract and final estimate dated May 29, 1940 was 19,999 cubic yards of material removed at \$0.298 per cubic yard, or a total cost of,.....\$ 5,959.70

PROJECT NO. 139- CONTRACT NO. 139..dated December 28, 1939 with R. H. LeChard, West Point Pleasant, N. J., the lowest of five bids received at public letting, provided for the dredging of a channel 3,700 feet long with an average bottom width of 50 feet below mean low water in Oyster Creek, Galloway Township, Atlantic County, N.J.

Total amount of contract 30,000 cubic yards of material to be removed at the unit bid price of \$0.26 per cubic yard, or a total amount of..... \$ 7,800.00

Dredging work under this contract was begun March 20, 1940 and completed June 6, 1940.

Total amount of work completed under the contract and final estimate dated June 25, 1940, was 29,558 cubic yards of material removed @ \$0.26 per cubic yard, or a total of\$ 7,685.08

PROJECT NO. 140- CONTRACT NO. 140..dated December 28, 1939, with Long Island Dredging Corporation, 147-32 Jamaica Ave., Jamaica, N. Y., the lowest of three bids received at public letting, provided for the maintenance or re-dredging of a channel 3100 feet long with an average bottom width of 100 feet and a minimum depth of 9.0 feet below mean low water in Grassy Bay, vicinity

of Black Point, Galloway Township, Atlantic County, N. J.

Total amount of contract, 35,000 cubic yards of material to be removed at the unit bid price of \$0.238 per cubic yard, or a total amount of.....\$ 8,330.00

Work under this contract was begun March 4, 1940 and completed March 25, 1940.

Total amount of work completed under the contract and final estimate dated March 28, 1940 was 33,421 cubic yards of material removed at \$0.238 per cubic yard, or a total cost of..... \$ 7,954.00

PROJECT NO. 141- CONTRACT NO. 141.. dated December 28, 1939 with Eastern Engineering Co., 4 N. North Carolina Avenue, Atlantic City, N. J., the lowest of two bids received at public letting, provided for the maintenance or redredging of a channel approximately 2,000 feet long with an average bottom width of 100 feet and a minimum depth of 8.0 feet below mean low water in Broad Thoroughfare, Egg Harbor Township, Atlantic County, N. J.

Total amount of contract, 20,000 cubic yards of material to be removed from the channel at the unit bid price of \$0.30 per cubic yard, or a total amount of.....\$ 6,000.00

Work under this contract was begun April 26, 1940 and completed May 8, 1940.

Total amount of work completed under the contract and final estimate dated May 15, 1940 was

19,667 cubic yards of material removed @ \$0.30
per cubic yard, or a total cost of.....\$ 5,900.00

PROJECT NO. 142- CONTRACT NO. 142.. dated December
28, 1939, with Eastern Engineering Co., 4 N. North
Carolina Ave., Atlantic City, N. J., the lowest of
two bids received at public letting, provided for
the maintenance or redredging of two shoal areas
in the channel for a distance of approximately
1,300 feet, each to a minimum depth of 10.0
feet below mean low water, in Beach Thoroughfare,
vicinity of Ninth Street, Ocean City, Cape May
County, N. J.

Total amount of contract, 13,000 cubic yards
of material to be removed from the channel at the
unit bid price of \$0.38 per cubic yard, or a total
amount of.....\$ 4,940.00

Work under this contract was begun April 15,
1940 and completed April 23, 1940.

Total amount of work completed under the con-
tract and final estimate dated May 14, 1940 was
13,359 cubic yards of material removed @ \$0.38 per
cubic yard, or a total cost of.....\$ 5,076.42

PROJECT NO. 143- CONTRACT NO. 143...dated December
29, 1939 with Steen Engineering Corporation,
Dagsboro, Delaware, the lowest of three bids re-
ceived at public letting, provided the maintenance
or redredging of the channel for a distance of

approximately 4,000 feet with an average bottom width of 100 feet and to a minimum depth of 6.0 feet below mean low water, in Crook Horn Thoroughfare, Ocean City, Cape May County, N. J.

Total amount of contract, 29,000 cubic yards of material to be removed from the channel at the unit bid price of \$0.271 per cubic yard or a total amount of.....\$ 7,859.00

Work under this contract was begun April 1, 1940 and completed May 28, 1940.

Total amount of work completed under the contract and final estimate dated June 6, 1940 was 28,517 cubic yards of material removed at \$0.271 per cubic yard, or a total cost of.....\$ 7,728.11

PROJECT NO. 144- CONTRACT NO. 144... dated

December 28, 1939 with Eastern Engineering Co., 4 N. North Carolina Ave., Atlantic City, N. J., the lowest bidder of two bids received at public letting, provided for the dredging of a channel 1,250 feet long with a bottom width of 100 feet and a minimum depth of 6.0 feet below mean low water. Also, the removal of a sheel area to a minimum depth of 6.0 feet below mean low water. All in Sunset Lake, Borough of Wildwood Crest, Cape May County, N. J.

Total amount of contract, 20,000 cubic yards

of material to be removed from the channel at the unit bid price of \$0.32 per cubic yard, or a total amount of.....\$ 6,400.00

Work under this contract was begun March 27, 1940 and completed April 6, 1940.

Total amount of work completed under the contract and final estimate dated April 11, 1940 was 19,106 cubic yards of material removed @ \$0.32 per per cubic yard, or a total cost of.....\$ 6,113.92

PROJECT NO. 146- CONTRACT NO. 146- dated April 11, 1940 with Eastern Engineering Co., 4 N. North Carolina Avenue, Atlantic City, N. J., the lowest bidder of three bids received at public letting, provided for the removal of an area or point of land containing approximately 10.5 acres, all to a minimum depth of 9.0 feet below mean low water in Absecon Channel at Buoy House Point, Atlantic County, N. J.

Total amount of contract, 115,384 cubic yards of material to be removed at the unit bid price of \$0.13 per cubic yard, or a total amount of.....\$14,999.92

Work under this contract was begun May 1, 1940. At the end of the fiscal year June 30, 1940, the work was 98% complete or 113,000 cubic yards removed and the Contractor had been allowed a total payment of.....\$13,221.00

PROJECT NO. 148- CONTRACT NO. 148...dated May 24, 1940, with Astell & Beeman, Inc., 90 West Broadway, New York, N. Y., the lowest bidder of two bids received at a public letting, provided for the dredging of a channel approximately 2,200 feet with an average bottom width of 100 feet and a minimum depth of 5.0 feet below mean low water, in Fortescue Creek, Township of Downe, Cumberland County, N. J.

Total amount of contract, 65,000 cubic yards to be removed from the channel at the unit bid price of \$0.218 per cubic yard, or a total amount of.....\$ 14,170.00

Work under this contract had not yet begun at the end of his fiscal year June 30, 1940.

PROJECT NO. 149- CONTRACT NO. 149...dated June 7, 1940, with Eastern Engineering Co., 4 N. North Carolina Ave., Atlantic City, N. J., the lowest bidder of two bids received at a public letting, provided for the widening of the channel for a distance of 1,600 feet with an average width of 250 feet and a minimum depth of 9.0 feet below mean low water in Absecon Channel, at Buoy House Point, Atlantic County, N. J.

Total amount of contract, 146,000 cubic yards at the unit bid price of \$0.096 per cubic yard, or a

total amount of.....\$ 14,016.00

Work under this contract began June 12, 1940. At the end of the fiscal year June 30, 1940, the work was 18% complete, or 26,500 cubic yards of material had been removed for which the Contractor had been allowed a total payment of.....\$ 2,289.60

SUMMARY OF DREDGING CONTRACTS

The total of all dredging contracts entered into during the fiscal year July 1, 1939 to June 30, 1940, of which approximately 97.9% of all work was completed before June 30, 1940, was 548,824 cubic yards of material at a total cost of \$111,794.92, making a total distance of approximately 4.9 miles of new or improved channel.

CONSTRUCTION

The following contract for the re-construction or repairs to bulkhead in the State Inland Waterway was authorized by the Board and contract was entered into during the fiscal year July 1, 1939 to June 30, 1940.

PROJECT NO. 145- CONTRACT NO. 145... dated April 4, 1940 with A. C. Wescoat Co., 424 N. Massachusetts Ave., Atlantic City, N. J., the lowest of four bids received at a public letting, provided for the reconstruction of creosoted timber bulkhead in Broad Thoroughfare, Borough of Longport, Atlantic County, N. J., as follows:

ITEM I

Demolish and remove 125 lin. ft. of existing bulkhead for a lump sum of.....\$ 100.00

ITEM II

Construction of 270 lin. ft. of creosoted timber bulkhead @ \$8.85 per lin. ft.....\$2,389.50
Total Amount of Contract..... \$2,489.50

Work under this contract began June 12, 1940. At the end of the fiscal year June 30, 1940, the work was 47% complete for which the Contractor was allowed a total payment of....\$1,045.55.

INLAND WATERWAY CHANNEL
MARKING

The winter of 1939-1940 was one of the most destructive in many years. The heavy almost continuous ice in the inland waterways destroyed most of the channel markers. An inspection of the waterways by the Director and Commissioner Murtland on February 21st and 22nd, 1940, showed that all but six channel marking stakes had been torn out or destroyed by the ice and only 36 light piles were left standing. This destruction necessitated the installation of 76 single light piles and 1 - 3 pile dolphin.

In spite of the additional burden placed on the channel marking crew, due to the destruction wrought by the winter, they were able to start actual marking of the waterways on March 18th, and the work was completed on June 14th.

The following tables give the waterways marked and the quantities of material used to mark them:

<u>Waterway</u>	<u>Dist- ance</u>	<u>Stakes</u>	<u>Lights</u>	<u>Reflect- or Buttons</u>	<u>Can Buoys</u>	<u>Spar Buoys</u>
Inland Waterway						
Main Stem	123 mi.	2695	90	5390	187	50
Absecon Channel	5 "	60	4	120		
Barneгат Creek	1 "	20	1	40		
Big Creek	$\frac{1}{2}$		1			
Brigantine Channel	12 "	150		300		
Cedar Creek	2 "	20	2	40		
Cedar Run Cr.	2 "	20	1	40		
Corsons Inlet	4 "	50		100		
Crab Island Channel	3 "	30		60		
Double Creek	2 "	40		80		
Forked River	3 "	50	3	100		
Great Egg Harbor River	20 "	175		350		
Hereford In- let	1 "	40		80		
Lakes Bay Channel	7 "	125		250		
Lavalette	3 "	30		60		
Little Beach Channel	7 "	125		250		
Metedeconk River	2 "	30		60		
Motts Creek	1 "	10	1	20		
Mud Channel	3 "	40	3	60		
Mullica Riv.	9 "		4			
Nacote Crk.	1 "	10	1	20		
Ocean City Lagoon	1 "	20		40		
Oyster Crk.) Atlantic Co)	$\frac{1}{2}$ "	10	1	20		
Oyster Crk.) Ocean Co.)	3 "	20	1	40		
Parkertown Creek	1 "	10	1	20		
Rainbow Channel	3 "	30		60		
Seaside Hgts. Channel	2 "	40	2	80		
Seaside Park Channel	1 "	10		20		

<u>Waterway</u>	<u>Distance</u>	<u>Stakes</u>	<u>Lights</u>	<u>Reflect- or buttons</u>	<u>Can Buoys</u>	<u>Spar Buoys</u>
Shark Riv.	3 mi.	60		120		
Ship Bottom	$\frac{1}{2}$ mi.	20		40		
Sunset Lake	3 "	40		80		
Toms River	2 "	40	3	80		
Tuckerton Channel	4 "	60	2	120		
Tuckahoe River	4 "	50		100		
Upper Man- asquan Riv.	2 "	40		80		
Waretown Creek	$\frac{1}{2}$ "	10	1	20		
West Crk.	2 "	20	2	40		
Total 1940	244 mi.	4200	124	8400	187	50
Total 1939	232 mi.	4200	118	7000	170	50

The year 1940 saw a slight increase in the miles of waterway marked and a slight increase in the number of markers.

NEW JERSEY INLAND WATERWAY WATER-BORNE COMMERCE
 COLD SPRING INLET TO MANASQUAN INLET
1 9 3 9

ANIMAL AND ANIMAL PRODUCTS:

Clams	3,721	Tons	\$ 195,764.00
Eels	16	"	5,450.00
Fish, fresh	9,631	"	831,607.00
Fish, bait	9	"	17,300.00
Lobsters	9	"	7,540.00
Oysters	1,463	"	51,860.00
Oysters, seed	795	"	12,125.00

PETROLEUM PRODUCTS:

Fuel Oil	32,881	"	258,669.00
Gasoline	86,382	"	2,098,477.00
Kerosene	2,725	"	16,832.00
Lubricating Oil	7	"	1,000.00

CHEMICALS:

Fish, Menhaden	17,509	"	350,822.00
Fish, Oil	1,050	"	87,000.00

VEGETABLE PRODUCTS,
 INEDIBLE:

Bay Cabbage	500	"	500.00
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TOTAL.....	156,698	Tons	\$4,014,946.00
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PASSENGERS CARRIED: 90,000 Persons

(Continued next page)

N. J. INLAND WATERWAY WATER-BORNE COMMERCE 1939

<u>VESSELS REPORTED:</u>	<u>No.</u>	<u>Tons</u>	
Commercial Fishing	216	1,011	\$ 466,800.00
Sport Fishing	79	978	342,900.00
Pleasure	567	2,017	709,600.00
Dredges	7	2,045	506,000.00
Pile Drivers	5	82	14,575.00
Tugs	13	74	43,000.00
Scows (Gasoline Barges)	5	415	10,000.00
Scows, Lighters	14	954	25,500.00
New Boats Built	82	909	237,850.00
	<u>988</u>	<u>8,485 Tons</u>	<u>\$2,356,225.00</u>

REPORT ON SURVEYS
BY
ENGINEER CORPS

This report is submitted as a brief summary of the major field activities of the Engineer Department in 1939-1940. These operations are of the type described in the 1939 Annual Report. The projects are grouped by counties, proceeding from north to south. The dates given refer to the plan or map of record.

MONMOUTH COUNTY

RARITAN BAY.....VICINITY OF UNION BEACH

Hydrographic and topographic surveys for proposed State Park site. Shown on map dated December 9, 1939.

NAVESINK RIVER.....RUMSON

Riparian survey for artificial island east of Oceanic Bridge. Survey made September 7, 1939.

ATLANTIC OCEAN.....LONG BRANCH

Topographic survey for proposed State Park between north city line and Seaview Avenue. Shown on map dated November 25, 1939.

SHARK RIVER.....BOROUGH OF BELMAR.....WALL TOWNSHIP

Dredging Survey including both pre-dredging and after-dredging; soundings and the establishment of dredging lines.

OCEAN COUNTY

COOKES CREEK.....BOROUGH POINT PLEASANT
BEACH

Before dredging soundings over shoal at confluence of
Cooks Creek and Manasquan River, shown on map dated
December 28, 1939.

BAY HEAD-MANASQUAN CANAL.....BOROUGH POINT PLEASANT

Surveys of bank construction and rip-rap toe berm
placement along the creosoted timber bulkheads on both
sides of the canal. Work was carried out under a W.P.A.
project.

BEAVER DAM CREEK.....BRICK TOWNSHIP

Before dredging survey from Metedeconk River upstream
in both branches to the head of navigation.

BARNEGAT INLET.....VICINITY BARNEGAT LIGHTHOUSE

Periodic hydrographic and topographic surveys were
made around the northerly side of Barnegat Light bulkhead
in order to establish changes in depths and shoreline con-
figuration.

WEST CREEK.....EAGLESWOOD TOWNSHIP

Dredging survey including both before and after
dredging soundings and the establishment of the lines of
dredging.

ATLANTIC COUNTY

NACOTE CREEK.....PORT REPUBLIC

Dredging survey including both before and after dredging soundings and the staking out of dredging lines.

OYSTER CREEK.....LEEDS POINT

Dredging survey including both before and after dredging soundings and the staking out of dredging lines.

BLACK POINT.....GALLOWAY TOWNSHIP

Dredging survey including both before and after dredging soundings and the staking out of dredging lines.

ABSECON CHANNEL.....VICINITY BUOY HOUSE POINT, ATLANTIC CITY

Dredging survey including both before and after dredging soundings and the staking out of dredging lines.

BROAD THOROUGHFARE.....EGG HARBOR TOWNSHIP

Dredging survey including both before and after dredging soundings and the staking out of dredging lines.

GREAT EGG HARBOR RIVER.....MAYS LANDING

Before dredging survey from the yacht basin to Gravelly Run is shown on map dated March 26, 1940.

GARDINERS BASIN.....ATLANTIC CITY

Riparian survey at the mouth of the basin including southerly side of Clam Creek.

CAPE MAY COUNTY

GREAT EGG HARBOR INLET.....OCEAN CITY

Hydrographic survey from the Longport-Ocean City
toll bridge south to Second Street.

BEACH THOROUGHFARE.....OCEAN CITY (PROJECT NO. 142)

Dredging survey including before and after dredging
soundings and staking out of the dredging lines.

CROOK HORN THOROUGHFARE.....OCEAN CITY (PROJECT NO. 143)

Dredging survey including before and after dredging
soundings and staking out of the dredging lines.

SUNSET LAKE.....WILDWOOD.....(PROJECT NO. 144)

Dredging survey including before and after dredging
soundings and staking out of the dredging lines.

In addition to the above projects, the Field Engineer
Corps executed periodic surveys and examinations and many
smaller inspections in connection with riparian and en-
gineering work of the Board.

COAST PROTECTION

Resume' of Activities

Other outstanding duties and responsibilities of the Board are the administration of State aid to municipalities for coast protection; surveys and research work on coast protection; and the protection of inlets through the construction of jetties and other structures.

Coast Protection is an extremely vital part of the Board's work, for the values affected are tremendous. In 1940 the net assessed valuations of the ocean front municipalities including the Raritan Bay part of Monmouth and Middlesex Counties, and the Delaware Bay frontage in Cape May County amounted to \$327,581,620. This is less than half of the net valuation taxable, 10 years ago. However, as will be observed from the following comparative summary, the effects of the years of depression appear now to have been discounted and restoration of higher valuations seems to be in the making.

COMPARATIVE SUMMARY OF
TAX RATABLES

<u>COUNTY</u>	<u>1930</u>	<u>1939</u>	<u>1940</u>
Middlesex	\$ 13,977,782	\$ 14,973,566	\$ 15,113,324
Monmouth	160,588,249	127,512,532	125,664,117
Ocean	26,028,861	23,106,398	23,307,735
Atlantic	391,178,724	117,192,078	113,281,802
Cape May	<u>101,096,483</u>	<u>50,260,014</u>	<u>50,214,642</u>
Coastal District	\$ 692,870,099	\$ 333,044,588	\$ 327,581,620

The coast line is continually changing and in many locations damaging erosion has occurred, necessitating construction of devices to repulse these attacks. The State has contributed under Chapter 318, Laws of 1920, and succeeding State-Aid Statutes, a total of \$945,329.49 to municipalities for the construction of jetties, groins and other approved coast protection devices. More recently, on June 13, 1939, under provisions of Chapter 30, Laws of 1939, the Board delivered to the U. S. Engineers \$81,250.00 as the State's contribution towards the construction of a breakwater in Sandy Hook Bay at Atlantic Highlands to be built by the Federal Government at an estimated cost of \$781,628.81.

Protective operations on the Barnegat Light property totaled \$170,658.40 of which \$11,867.35 was for care and upkeep of the lighthouse property and \$158,791.05 was for construction of protective structures. Under authority of Chapter 48, Laws of 1937, the Board delivered to the U. S. Engineers (\$275,000.00 of State and \$25,000.00 from

Ocean County) as the State's contribution toward a Federal project to the improvement of Barnegat Inlet. This provided for reconstruction of existing stone jetty, the dredging of a channel through the inlet and the outer bar, and protection of the channel by construction of two converging timber and stone jetties extending to the outer 12-foot contour and spaced 1,000 feet apart at the outer ends. The dredging was completed March 31, 1939 and the north jetty December 22, 1939. The south jetty is expected to be completed in the fall of 1940. The cost of the work up to June 30, 1940 was \$690,754.16, of which \$558,518.41 was for the reconstruction of existing stone jetty and the construction of additional jetties and groins, and \$132,235.75 was expended in dredging operations. Total allotted and contributed funds, including \$20,000 additional for 1940-41 fiscal year, are \$760,000.

Jetties were also constructed at other inlets. At Shark River Inlet the Board expended \$91,443.39 additional to \$113,921.52 in the earlier work of the State Geologist, of which \$20,000.00 was contributed by the local government and \$93,921.52 by the State, permanently fixing the location of an inlet which formerly migrated over a distance of upwards of a mile, and thereby improving navigation and making possible a considerable increase in ratables as well.

In addition, the Board, under authority of Chapter 66, Laws of 1927 and Chapter 21, Laws of 1930 delivered to the

U. S. Engineers \$300,000.00 as a contribution to the Manasquan Inlet Improvement, \$150,000.00 being contributed by the State and an aggregate similar amount by the local governments. The total cost of the project to June 30, 1940 was \$956,508.09 of which \$751,302.77 was expended for jetties and bulkheads and \$205,205.32 for dredging channel.

Mention should also be made in passing of \$37,318.49 expended for jetties in Bidwell's Creek entrance on Delaware Bay. The total of \$806,109.54 expended from State funds on jetties and bulkheads at those four inlets, while primarily intended for the improvement of navigation, must be considered in the coast protection review.

The grand total of State contributions and expenditures for coast protection, actual construction exclusive of engineering and supervision, to date is \$1,823,153.84. The total contract cost of the structures thus aided, including contracts under way, is some \$5,240,000.

In 1922 and thereafter until 1938, annual appropriations of sums ranging from \$1,000.00 to \$10,000.00 (totaling \$70,000.00) were applied to the study and research work on coast protection. Surveys have been continually in progress to record the yearly changes in the shore line and the efficiency of existing structures; current and tidal observations have also been taken. The Board published three special reports on Coast Protection in 1922, 1924, and 1930.

The following is a summary statement of the New Jersey municipalities which were aided by the Federal Public Works Administration under the 1938 Act in the construction of shore protection structures. The federal funds appropriated amount to 45% of the project cost, the balance being set up by the municipality. Work in every case prior to December 30, 1938 was completed during the calendar year 1939. A few extension projects carried over into the first part of 1940.

<u>LOCATION</u>	<u>WATERWAY</u>	<u>DESCRIPTION</u>	<u>COST</u>
Long Branch	Atlantic Ocean	Jetties and Bulkhead	\$ 151,764.32
Deal	Atlantic Ocean	Jetties	150,750.00
Allenhurst	Atlantic Ocean	Jetties	57,949.00
Bradley Beach	Atlantic Ocean	Jetties	35,251.41
Belmar	Atlantic Ocean	Jetties	89,434.23
Spring Lake	Atlantic Ocean	Jetties	23,665.50
Sea Bright	Atlantic Ocean	Jetties	133,913.96
Manasquan	Atlantic Ocean	Jetties	<u>49,000.00</u>
		TOTAL.....	\$ 691,728.42

BARNEGAT INLET

As of June 30, 1940, the Federal Project at Barnegat Inlet, involving the erection of jetties and the dredging of channels, all pointing towards the stabilization of the inlet, was well on its way to completion.

The history to date of the improvement of Barnegat Inlet is as follows:

The State, by Chapter 48, Laws of 1937, appropriated the sum of \$275,000.00 towards this improvement. The County of Ocean also appropriated the sum of \$25,000.00. The State and County funds were paid over to the War Department in October, 1937 as the local contribution.

The War Department plans provide for two converging stone jetties extending from the north shore 4,675 feet and from the south shore 2,820 feet respectively, to about the outer five-foot low water contour in the Atlantic Ocean. The jetties are spaced 1,000 feet apart at the outer ends. In addition, there is provided also a stone jetty with timber core 180 feet in length extending into the inlet gorge from a point about 170 feet west of the Lighthouse, including the reconstruction of about 70 lineal feet of the inshore end of the existing stone jetty which was hereto-

fore constructed by the State and which extends seaward from the Lighthouse. The plans further provide for the dredging of a channel 19 feet deep at mean low water and 300 feet wide through Sunset Shoal, and a channel 8 feet deep at mean low water and 200 feet wide through Oyster Creek Channel. The dredging includes construction of a pumped-in dyke across the existing inside inlet channel just west of Sunset Shoal to divert the flow of water through the new cut.

As of June 30, 1940, the dredging operation was complete in its entirety. The north jetty is complete, including the erection of a light structure and foundation on the outer end and the removal of the Contractor's trestle with the exception of the piling, which the Government Engineers decided to permit to remain for the time being.

The south jetty was approximately 70 per cent complete and progress of the work indicated that the total operation would be finished sometime in the fall of 1940.

Conditions in the vicinity of the lighthouse have continued to change gradually during the course of the past year, the high water line has continued to advance shoreward and increased erosion has taken place at the inner end of the steel sheet piling surrounding the light. As a result of the deposit of some 100,000 cubic yards of sand on the beach to the west of the light a gradual beach has built up from the face of this steel piling extending to the west and north.

This operation has alleviated the hazardous conditions

of 1937 when there were from 18 to 22 feet of water in front of the sheet piling in the vicinity of the light•

FORKED RIVER PUBLIC YACHT BASIN

The end of the second year of the modified administrative system and the segregation of commercial and pleasure boats as instituted at the beginning of the 1938-1939 fiscal year has proven the wisdom of the Board's action.

The basin is completely rented with the exception of five berths reserved for larger boats and two berths reserved for transients.

The complete use of the facilities at the Forked River Public Yacht Basin indicates the need of this type of marine storage place with its continuous watchman service, its adequate protection and reasonable rates. The increase in boating in the past few years together with the many inquiring visitors at the "Basin" shows the interest of the general public in marine sports. The manufacture of stock boats built in quantities with their consequent lower costs, has changed this interest in some, to active participation. Storage and docking facilities at a reasonable cost will be a further incentive to many to join the thousands who now own their own boats. Putting the cost within the limits of many will do for boating what the cheap car did for highway

transportation.

When the basin was originally dredged the spoil was deposited ashore on the south side of the basin. The effect of this spoil was to kill all the trees with which it came in contact. This area of dead trees constituted a fire hazard and a potential menace to the buildings at the basin. During the past year, with the consent of the property owner and in cooperation with and under the supervision of the Department of Conservation and Development Fire Warden, the area was cleared and the dead trees burned. Doing this removed the basin's unsightly background and forestalled the possibility of a dangerous fire.

The planting this year was in shrubs, evergreens and perennials, giving a more formal appearance and at the same time reducing the annual time required to beautify the basin in the spring.

The sand fill on the south side of the basin was moved to the north side to fill the mosquito breeding mud hole included in the property formerly acquired from the Vaughns. This work which was done by our own forces has removed a local health menace and at the same time improved the appearance of the north side of the basin.

HARBOR OF REFUGE
SANDY HOOK BAY
ATLANTIC HIGHLANDS
N. J.

Under Chapter 30, Laws of 1939, the act entitled "An Act concerning the Board of Commerce and Navigation, and supplementing Title 12, Chapter 5, of the Revised Statutes," approved March 30, 1939, it became the duty of the Board of Commerce and Navigation to handle the monies contributed by the State, County and Borough of Atlantic Highlands, and to be the supervising authority in the construction of a harbor of refuge by the Federal Government in Sandy Hook Bay.

Plans of the Federal Government proposed the construction of a breakwater 4,000 feet long behind which an extensive area was to be dredged for a harbor of refuge. The Federal Government also required as the local cooperation, a contribution of \$81,250.00 and the construction of a yacht basin with proper servicing facilities.

The total cost of the project is \$919,000.00, for which the Federal Government is to appropriate \$768,750.00...the State of New Jersey \$81,250.00...the Borough of Atlantic Highlands \$44,000.00, and the County of Monmouth \$25,000.00.

The State's check for \$81,250.00 was tendered to the Federal Government on April 4, 1939.

The Federal Government accepted bids on the construction of the breakwater on July 26, 1939 and J. Rich Steers, Inc., of New York City was the low bidder for this operation, their base bid being the sum of \$461,028.00.

Work on this breakwater has progressed very satisfactorily during the fall of 1939 and spring of 1940, and as of June 30, 1940, the operation is approximately 42 per cent completed.

On November 18, 1939, the New Jersey State Legislature passed what is known as Chapter 374 of the Laws of 1939 which revoked the authority given to this Board under Chapter 30 of the Laws of 1939, involved in the construction of a harbor of refuge in Sandy Hook Bay, and turned over this duty to the governing body of the Borough of Atlantic Highlands. Monies to the extent of \$69,000.00 (less \$2,500.00 engineering fees) already deposited by the Borough and County with the State were returned by the State Treasurer to the said bodies, and it is contemplated that work on the construction of the yacht basin involved in this project will be administered by the bodies in question.

The Borough of Atlantic Highlands has an application before the federal government for a W.P.A. grant of funds to be used in the construction of this basin. It is contemplated that actual work will start in the very near future.

RIPARIAN STREAM AND WATERWAY
SURVEY

The Riparian Stream-Waterway Survey, sponsored jointly by the State Water Policy Commission and the Board of Commerce and Navigation, was first inaugurated in August 1934, as an Emergency Relief Administration Project and continued subsequent to January 16, 1936 as A Works Progress Administration Project.

Work under this project, consisting of a comprehensive survey of the entire coast line, waterway and streams of the State, is still in operation as of June 30, 1940.

PUBLIC WATER FRONT PARKS AND
PLAYGROUNDS

A Survey of Water Front Areas of the State of New Jersey.

In October, 1939, acting under instructions from Governor A. Harry Moore, Commissioner Alfred A. La Fountain of this Board instigated the first steps in the preparation of a survey of the State for the purpose of presenting a report with recommendations on a proposed system of Public Water Front Parks and Playgrounds.

The entire engineering staff of the Board cooperated in this activity and was continuously engaged over a considerable period in gathering the data necessary for the compilation of such a report.

The entire available and eligible water front of the State was inspected in company with Commissioner La Fountain and six sites, as recommended in the official report, finally suggested. The probable usage of such a system of parks by the residents of New Jersey was investigated and a working figure decided upon, based on a comparison of the usage of similar parks under the control of New York State in the immediate vicinity of the metropolitan area.

The present and proposed additions to the New Jersey State Highway system were thoroughly investigated and had an all important bearing on the location of the sites

finally offered for consideration.

Each site was tested and found to have the basic requirements for such a development, among which were suitable water for bathing and ready access to present and proposed highway systems, sufficient area to accommodate the necessary parking fields, games areas, building construction, etc., reasonable cost of land acquisition, favorable reception on the part of local authorities, and low loss of ratables involved with minimum effect on the local municipality. For each of the sites selected the staff prepared an extensive report on the following items:

1. Description of the Site
2. Reasons for Selection
3. Transportation Facilities
4. Preparation of Site and Other
Technical Data
5. Land Acquisition
6. Layout of Facilities
7. Cost of Construction
8. Estimated Operating Costs and Income

The statistical section of the report ends with a Summary of Costs and presents the total picture of the cost of acquisition and development as recommended for all areas.

There is also included in the report conclusions reached as a result of the investigation, the recommendations of Commissioner La Fountain as to the procedure favored in the development of the plan, and a supplemental report of the New Jersey State Highway indicating highway construction cost involved in connection with the proposed

Parks program.

Commissioner La Fountain has given several talks before organizations interested in Park development and has met with a most favorable response from these bodies.

Governor A. Harry Moore, in his annual message to the Legislature, indicated that he felt serious consideration should be given by the members to this problem of Water Front Parks, and as of June 30, 1940, the report is in the hands of the members of the Legislature awaiting their official action.

OFFICIAL BOARD EXHIBIT IN THE NEW JERSEY WORLD'S FAIR BUILDING
FLUSHING, L. I., NEW YORK
1 9 4 0

In conjunction with, and at the request of the New Jersey World's Fair Commission, the staff of this Board installed the Board's official display booth in the New Jersey Building at the World's Fair, immediately adjoining the broadcasting booth of Station WOR.

This exhibit is the same one which has been used in the past at the Annual National Motor Boat Shows in New York City.

It is constructed sectionally and fastened together with thumb screws so that it can be readily assembled or disassembled. The lower section is U shaped, running 40 feet across the back of the exhibit and extending outward toward the aisle 15 feet on each end. On top of this section are two smaller sections each recessed a little more than the other in true modernistic design, lending a pleasing arrangement to the exhibit. Each end section contains an elongated chromium port hole 2 ft. x 4 ft. behind which is a revolving waterway scene. Between the glass and the port hole and the scenery there are sixteen miniature yachts operating in water, passing the port hole continuously in two lanes. These yachts are timed to pass one another, creating a realistic affect.

On top of the exhibit extending from one end to the other is a chrome railing behind which is a plaited jewel cloth backdrop which is very effective and sets off the exhibit considerably.

In the center of the exhibit, recessed, is an oil painted map of the New Jersey coast from Sandy Hook to Cape May accurately detailed in every respect. This map is illuminated by indirect lighting. The map shows the location of the Inland Waterway channels and tributaries which have been improved by the Board and displays miniature replicas of the navigation lights that are maintained by the Board, marking the position of the channels and other obstructions. These buoys and standard lights are represented on the map by Lilliputian electric light bulbs, 2-1/2 volts in red, white and green, similar to the markings on the waterways and shown on U. S. Coast & Geodetic Survey Charts of this section.

This map is 21 feet long and 4-1/2 feet high, trimmed off in chromium molding. At various points along the coast line large amber crystals light up at intervals together with the illuminated transparency showing views along the New Jersey coast. These illuminated transparencies are set in the upper part of the map running almost across its entire length.

This exhibit attracted the attention of thousands of visitors to the World's Fair and the New Jersey Building in particular, and demonstrated the advantages for recreation offered by the coast and inland waterways of the State.

As a result of this display, it is sincerely felt that many additional boatmen will be induced to visit New Jersey, enjoy the waterways and thus increase the boating activities on such waterways.

APPENDIX "A"

CONVEYANCES BY BOARD OF COMMERCE AND NAVIGATION
JULY 1, 1939 t JUNE 30, 1940.GRANTS

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
June 5, 1939	Louisa C. Eisenhower	Sunset Lake	Cape May	\$ 30.00
June 5, 1939	Charles Kastrup and Josephine J. Kastrup, His wife	Sunset Lake	Cape May	30.00
June 5, 1939	Rose M. Craig	Sunset Lake	Cape May	30.00
July 10, 1939	A. Ralston Green	Delaware River	Salem	50.00
July 10, 1939	Standard Oil Company of New Jersey	Arthur Kill or Staten Island Sound	Union	10,000.00
July 10, 1939	Raymond A. Kirwin	Hudson River	Bergen	18,370.00
Dec. 19, 1938	Cape May County Bridge Commission	Townsend Inlet Great Channel Grassy Snd. Channel	Cape May	6,500.00
Apr. 3, 1939	Walter H. Chapman and Lydia Chapman, his wife	Manasquan River	Monmouth	579.10
May 1, 1939	Little Egg Harbor Yacht Club	Liberty Thor- oughfare	Ocean	380.00
May 1, 1939	William L. Heesemann and Hannah E. Heese- man, his wife	Sunset Lake	Cape May	30.00
May 1, 1939	West Jersey and Sea- shore Railroad Company	Sunset Lake	Cape May	30.00
May 1, 1939	Ida C. Neusues and Dorothea W. Flood	Sunset Lake	Cape May	30.00
June 5, 1939	LeRoy G. Everingham and Lydia Everingham, his wife	Barnegat Bay	Ocean	200.00
June 5, 1939	Wildwood Athletic Club	Sunset Lake	Cape May	45.00
June 5, 1939	Bertha E. Stulz	Sunset Lake	Cape May	15.00

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
June 5, 1939	Elizabeth L. Warwick and Elma K. Fotters	Sunset Lake	Cape May	30.00
June 5, 1939	Shore Homes	Sunset Lake	Cape May	30.00
June 5, 1939	County of Ocean	Osborne Island Thoroughfare	Ocean	50.00
June 5, 1939	County of Middlesex	Woodbridge Cr.	Middlesex	50.00
June 5, 1939	County of Middlesex	Woodbridge Cr.	Middlesex	50.00
July 10, 1939	Ada Baldwin and Amy Steele	Sunset Lake	Cape May	30.00
July 10, 1939	David Paul	Sunset Lake	Cape May	60.00
July 10, 1939	Walter I. Shivers and Effie M. Shivers, his wife	Sunset Lake	Cape May	30.00
Aug. 10, 1939	Thomas Brown	Barnegat Bay	Ocean	100.00
July 10, 1939	Louise Zukoski	Sunset Lake	Cape May	30.00
Jan. 16, 1939	John W. Evans and John H. Gysen	Beach Creek	Cape May	132.81
Sept. 18, 1939	George C. Scott and Mary Jane C. Scott	So. Shrewsbury River	Monmouth	50.00
Sept. 18, 1939	Peter Lasch	Sunset Lake	Cape May	30.00
Sept. 18, 1939	Robert Armstrong and Christina G. Armstrong, his wife	Watson's Cr.	Monmouth	51.20
Sept. 18, 1939	J. Edward Loewy and Regina Loewy, his wife	Barnegat Bay	Ocean	240.00
Sept. 18, 1939	Caroline E. Jester	Sunset Lake	Cape May	15.00
Sept. 18, 1939	Edith H. Rigor	Sunset Lake	Cape May	30.00
Sept. 18, 1939	Frank W. Cullen	Sunset Lake	Cape May	15.00
Sept. 18, 1939	Edward M. Nusbickel, et als	Sunset Lake	Cape May	30.00
Sept. 18, 1939	Sarah E. Olley	Sunset Lake	Cape May	30.00
Sept. 18, 1939	West Jersey and Sea- shore Railroad Com- pany	Absecon Creek	Atlantic	208.19

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
Sept.18,1939	Van Ness Corporation	Metedeconk Riv.	Ocean	307.82
Sept.18,1939	Van Ness Corporation	Metedeconk Riv.	Ocean	80.00
Sept.18,1939	Charles Hulse	Barnegat Bay	Ocean	83.94
Sept.18,1939	Mathilda Ahlers	Sunset Lake	Cape May	45.00
Sept.18,1939	Anna M. Schiller	Sunset Lake	Cape May	15.00
Sept.18,1939	Joseph F. Schiller	Sunset Lake	Cape May	30.00
Oct.16,1939	Emma E. Wilbur and John M. Wilbur, her husband	Beach Thor- oughfare	Cape May	70.00
Oct. 16, 1939	Arthur G. Hays	Metedeconk Riv.	Ocean	110.84
Sept.18,1939	Essex County Park Commission	Passaic River	Essex	6,285.62
Oct.16,1939	Harry D. Madden and Mary Jane Madden, his wife	Manasquan Riv.	Monmouth	125.40
Oct.16,1939	Camden County Park Commission	Cooper River	Camden	7,630.00
Nov.13, 1939	Borough of South River	South River	Middlesex	330.00
Sept.18,1939	Alice M. Dietrich	Glimmer Glass	Monmouth	300.00
Nov.13, 1939	State of New Jersey	Crosswicks Cr.	Burlington- Mercer	163.00
Nov.13, 1939	Alice M. Young	Shark River	Monmouth	135.00
Nov.13, 1939	The Delaware River Sand Dredging Co.	Delaware Riv.	Burlington	400.00
Nov.13,1939	Arthur D. Holmes and Frances M. Holmes, his wife	Cohansey River	Cumberland	297.45
Nov.13, 1939	Harvey L. Wyatt	Shark River	Monmouth	160.50
Nov.13,1939	Daniel Montagna and Nancy Montagna, his wife	Beach Thor- oughfare	Cape May	30.00
Sept.18,1939	Margaret C. Hess	Shrewsbury Riv.	Monmouth	145.12

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
Sept.18,1939	Edward Hess and Margaret C. Hess, his wife	Shrewsbury Riv.	Monmouth	304.92
Nov.13, 1939	Annie C. B. Rose	Shark River	Monmouth	71.07
Nov.13, 1939	Emma A. Huebl	Shark River	Monmouth	131.43
Nov.13, 1939	William Priestley and Hannah Priestley his wife	Shark River	Monmouth	69.38
Dec. 11, 1939	New York Lubricating Oil Co.	Elizabeth Riv.	Union	1,284.76
Dec. 11,1939	City of Ocean City	Great Egg Harb. & Beach Thoro.	Cape May	860.00
Jan. 8, 1940	Home Owner's Corporation	Oyster Creek	Hudson	15.00
Jan. 8, 1940	The Texas Company	Kill Van Kull Newark Bay	Hudson	1,000.00
Jan. 8, 1940	John B. Eggenberger and Margaret A. Eggenberger, his wife	Metedeconk Riv.	Ocean	98.46
Jan. 8,1940	Village of Ridgefield Park	Overpeck Cr.	Bergen	182.07
Jan. 8,1940	James R. Hensler and Helen L. Hensler, his wife	Navesink River	Monmouth	263.35
Jan. 8, 1940	Rumson Real Estate Corp.	Navesink River	Monmouth	200.00
Dec. 11, 1939	Borough of Ocean Gate	Toms River	Ocean	150.00
Dec. 11, 1939	Oliver E. Cox, Agent et als.	Little Egg Harbor	Ocean	419.90
Feb. 5, 1940	Oliver E. Cox and Arthur W. Cox	Little Egg Harbor	Ocean	50.00
Feb. 5, 1940	County of Burlington	Mill Creek	Burlington	50.00
Eeb. 5, 1940	The American Oil Co.	Salem River	Salem	1,256.85
Mar. 11,1940	Borough of Harvey Cedars	High Point Pond or Kinsey Cove	Ocean	60.00

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
Mar. 11, 1940	Pleasantville	Lakes Bay	Atlantic	\$1,170.00
Mar. 11, 1940	State of New Jersey	Raritan River	Middlesex	1,100.00
Sep. 18, 1939	Barnice Stecker	Sunset Lake	Cape May	15.00
Apr. 8, 1940	Olga Robertson and Frank Grischbowsky	Metedeconk Riv.	Ocean	110.24
Feb. 5, 1940	County of Monmouth	No. Shrewsbury River	Monmouth	625.00
Mar. 11, 1940	County of Cumberland	Bower's Creek	Cumberland	50.00
May 6, 1940	Camp Dune by the Sea Inc.	Little Egg Harbor Bay	Ocean	305.94
May 6, 1940	Standard Oil Company of New Jersey	Arthur Kill	Union	2,300.00
Total Consideration for 82 Grants				\$67,499.36 .

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GRANT. CONVERTED FROM LEASE

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
Dec. 11, 1939	William T. Sandlass	Atlantic Ocean	Monmouth	\$1,500.00

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CONFIRMATORY GRANT

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
Sep. 18, 1939	Nettie R. Stocr	Beach Thoroughfare	Atlantic	\$50.00

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15 YEAR CONVERTIBLE LEASES

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>	<u>CONVERTIBLE WITHIN 5 YEARS AT</u>
Sep. 18, 1939	Florence A. O'Neill and Charles O'Neill, her husband	Beach Thoroughfare	Atlantic	\$17.50	\$250.00
Sep. 18, 1939	City of Absecon	Absecon Creek	Atlantic	55.00	785.80

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>	<u>CONVERTIBLE WITHIN 5 YEARS AT</u>
June 3, 1940	Walter Schmidt	Passaic Riv.	Hudson	\$484.45	\$6,920.75
May 6, 1940	The Flintkote Company	Hackensack River	Bergen	175.21	2,503.00
May 6, 1940	D. Leon Jennings	Haritan River	Middlesex	131.25	1,875.00
Oct. 16, 1939	Trenton Oil Company, Inc.	Delaware River	Mercer	105.08	<u>1,501.20</u>
Total Principal Sum Value of 6 Fifteen Year Convertible Leases.....					\$13,835.75

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PERPETUAL CONVERTIBLE LEASES

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>	<u>CONVERTIBLE AT ANY TIME AT</u>
Feb. 5, 1940	Borough of Atlantic Highlands	Sandy Hook Bay	Monmouth	\$100.00	\$3,757.06
Apr. 8, 1940	County of Middlesex	Raritan River	Middlesex	100.00	<u>2,284.57</u>
Total Principal Sum Value of 2 Perpetual Convertible Leases.....					\$ 6,041.63

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20 YEAR LEASES
(Not Convertible)

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>
June 5, 1939	Borough of Deal	Atlantic Ocean	Monmouth	\$70.00
Lease effective from June 5, 1939 to June 30, 1959.				
Full Term Rental Value.....\$1,404.98				
Capitalized Rental Value..... 1,000.00				

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15 YEAR LEASE
(Not Convertible)

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>
Sep. 18, 1939	H. J. Heinz Co.	Atlantic Ocean	Atlantic	\$151.70
Capitalized rental value.....\$2,167.14				
Lease effective from February 18, 1939 to June 30, 1954.				
Full Term Rental Value.....\$2,332.15				

7 YEAR LEASE
(Not Convertible)

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>
May 6, 1940	James Brady Company	Newark Bay	Hudson	\$169.05
Full Term Rental Value.....				\$1,183.35

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5 YEAR LEASES
(Not Convertible)

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>	<u>EFFECTIVE</u>	<u>FULL TERM VALUE</u>
Jun.5,1939	Richard V. Dorbeck	Bayhead-Man- asquan Canal	Ocean	\$25.00	6/5/39 to 6/30/44	\$126.78
Jun.5,1939	New Jersey Silica Sand Co.	Maurice Riv.	Cumber- land	21.11	7/16/39- 6/30/44	104.74
Jan.8,1940	Girard Trust Co., Trustee, Joseph Wharton, Estate	Golden Hum- mock Thoro. & Main Channel	Atlantic	105.00	5/19/39- 6/30/44	536.96
Jan.8,1940	Edna G. Godwin	Salem River	Salem	75.00	1/1/40- 12/31/44	375.00
Apr.8,1940	Johnson Bros. Boat Works, Inc.	Bayhead-Man- asquan Canal	Ocean	17.50	1/1/40- 12/31/44	87.50
Total Full Term Value for 5 - Five Year Leases.....						\$1,230.98

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50 YEAR LEASE

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>	<u>CONVERTIBLE WITHIN 5 YEARS AT</u>
Sep.18,1939	L. Everett Estler	Passaic Riv.	Hudson	\$115.48	\$1,649.70

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60 YEAR LEASE

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL RENTAL</u>	<u>CONVERTIBLE PRIOR TO APR. 15, 1940</u>
Sept.18 1939	Nesto Construc- tion Co.Inc.	Passaic River	Essex	\$352.56	\$5,036.50

Supersedes lease dated April 20, 1925 to
Bellis Building Material Company

EASEMENTS AND LICENSES IN PERPETUITY

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
July 10, 1939	Atlantic City Electric Company	Grassy Sound	Cape May	\$100.00
July 10, 1939	Atlantic City Electric Company	Grassy Sound	Cape May	50.00
May 1, 1939	Socony-Vacuum Oil Company	Beach Thoroughfare	Atlantic	50.00
Sep. 13, 1939	County Gas Company	No. Shrewsbury River	Monmouth	100.00
Sep. 13, 1939	Borough of Belmar	Atlantic Ocean	Monmouth	100.00
Jan. 8, 1940	Borough of Allenhurst	Atlantic Ocean	Monmouth	100.00
Jan. 8, 1940	City of Woodbury	Woodbury Creek	Gloucester	100.00
Apr. 8, 1940	Atlantic City Electric Company	Mullica River	Burlington	50.00
Apr. 8, 1940	City of Beverly	Delaware River	Burlington	<u>100.00</u>
Total Consideration for 9 Easements and Licenses in Perpetuity.....				\$750.00

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REVOCABLE LICENSES - ANNUAL FEE

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>ANNUAL FEE</u>
Aug. 7, 1939	George E. James, Jr.	Shark River	Monmouth	\$20.00
Nov. 8, 1939	Armour Fertilizer Works	Arthur Kill	Middlesex	50.00
Nov. 10, 1939	John M. Strotbeck and Murtland Strotbeck	Beach Thoroughfare	Atlantic	5.00
Jan. 2, 1940	East Newark Realty Corp.	Passaic River	Essex & Hudson	10.00
Jan. 2, 1940	American Cyanamid Company	Rahway River	Union	10.00
Jan. 12, 1940	The Atlantic City Sewerage Co.	Clam Thoroughfare	Atlantic	25.00

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
Apr.8, 1940	Arabella Fenton	Beach Thoro.	Atlantic	<u>10.00</u>
Total Annual Fees for 7 Revocable Licenses.....				\$130.00

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REVOCABLE LICENSES - SINGLE FEE

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
Aug.8, 1939	Toms River Boat Works, Inc.	Toms River	Ocean	\$25.00
May 26, 1939	Myrtle Moore	Barneгат Bay	Ocean	10.00
May 26, 1939	Long Beach Township	Little Egg Harbor	Ocean	25.00
Sep. 8, 1939	John E. Gustafson and William F. Ingold	Hudson River	Bergen	100.00
Sep. 13, 1939	Holly Park Improvement Association.	Barneгат Bay	Ocean	10.00
Nov.8, 1939	Atlantic City Electric Company	Beach Thoroughfare	Atlantic	25.00
Nov.25, 1939	William B. Predmore	Barneгат Bay	Ocean	2.50
Mar. 25, 1940	G. Hilliard Ross and Adelaide Ross Smith	Hudson River	Bergen	150.00
Mar. 25, 1940	Public Service Electric & Gas Co.	Rancocas Creek	Burlington	50.00
Mar.25, 1940	Public Service Electric & Gas Co.	Pensauken Creek	Burlington & Camden	<u>50.00</u>
Total Fees for 10 Revocable Licenses (Single Fee)				\$447.50

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AGREEMENTS

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>AMOUNT</u>
Apr.8,1940	Eastern Sand & Gravel Corp.	Delaware River	\$1.00

LICENSES TO DREDGE
(Signed By Board)

<u>DATE</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>COUNTY</u>	<u>AMOUNT</u>
Jan.8,1940	Albert C. Wescoat	Hereford Basin	Cape May	\$42.50
Jan.8,1940	William Penn Lodge	Barnegat Bay	Ocean	25.00
May 1,1939	Hill Dredging Corp.	Great Channel Grassy Channel	Cape May	100.00
Mar.11,1940	Fred Magnusson	Oyster Creek	Ocean	<u>10.00</u>
Total Fees for 4 Licenses to Dredge				177.50

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MISCELLANEOUS RECEIPTS

Riparian Fees

Certified & Photostat Copies

Photostat of Minutes of Board Meeting of July 6, 1939 regardin Transport Case....	\$2.50	
Certified Copy of Grant to Samuel A. Allinson dated March 29, 1879.....	5.00	
Certified Photostat Copy of Grant to John V. Conway dated August 27, 1928.....	3.00	
Certified Photostat Copy of Grant to John A. Cakes, Jr.....	3.00	
Certified Photostat Copy of Grant to Long Beach Realty Co.....	3.00	
Photostat Copies of Consent of Helen Outwater etc. Re Rosedale Boat Club.....	<u>6.00</u>	
Total Riparian Fees		22.50

Use and Occupancy of State's Lands

Edna E. Maguire.....	34.58	
Armour Fertilizer Works.....	<u>327.08</u>	
Total Use and Occupancy of State's Lands		361.66

Rentals in Arrears & Interest

Rentals in Arrears.....	3,635.01	
Interest on deferred payments of rentals...	<u>229.52</u>	
Total Rentals in Arrears & Interest		3,864.53

Annual Fees on Licenses (New and Old) & Interest

Fees on old licenses.....	2,331.02	
Fees on Licenses delivered during current year.....	115.84	
Interest on Arrears of License Fees.....	<u>155.42</u>	
Total		2,602.28

Royalties on Sand Dredging

<u>DATE OF AGREEMENT</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>AMOUNT</u>
Apr.15,1935	Eastern Sand & Gravel Corp.	Delaware River	\$1,506.96
"	"	"	1,190.92
"	"	"	1,458.94
May 1, 1939	Hill Dredging Corp.	Grassy Sound Great Channel	270.00
"	"	"	<u>6.29</u>
Total Royalties on Sand Dredging			\$4,433.11

Installment Payment Due on Grants:

<u>DATE OF GRANT</u>	<u>TO WHOM MADE</u>	<u>LOCALITY</u>	<u>AMOUNT</u>
July 6, 1936	City of Perth Amboy	Staten Island Sound	954.32
July 6, 1936	City of Perth Amboy	Raritan River	<u>1,409.23</u>
Total Installment Payments			2,363.55
Rentals on New Leases.....			723.32
Rentals on Old Leases.....			<u>6,400.84</u>
Total Miscellaneous Receipts			\$20,771.79