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ANNUAL REPORT

OF THE

New Jersey,
" Department of Conservation.
Division of Fish and Game

Auth. by Chap. 22, Laws 1945



*Continues; N.J. Board of fish and game
commissioners, 1894-1945*

For the Fiscal Year
Commencing July 1, 1945
and Ending June 30, 1946

ANNUAL REPORT

of the
New Jersey
Department of Conservation
Division of Fish and Game

For the year
terminating
and ending

STATE OF NEW JERSEY
DEPARTMENT OF CONSERVATION
DIVISION OF FISH AND GAME

TRENTON

*To His Excellency, Walter E. Edge, Governor, and Members of the
Senate and General Assembly of the State of New Jersey:*

As required by law, we submit herewith the annual report of the work of the Division of Fish and Game for the fiscal year covering the period from July 1, 1945, to June 30, 1946.

Very respectfully,

FRANK J. VALGENTI, JR., *Chairman,*
MARVIN A. SPAULDING,
HAROLD W. LAUWE,
W. STEELMAN MATHIS,
HAROLD E. LONGSDORF,
ARTHUR F. FORAN,
HARRISON COOK,
JOSEPH AYERS,
HIRAM B. D. BLAUVELT,
Council Members.

STATE OF NEW YORK
DEPARTMENT OF THE ENVIRONMENT
DIVISION OF ENVIRONMENTAL CONSERVATION

THE STATE OF NEW YORK
DEPARTMENT OF THE ENVIRONMENT
DIVISION OF ENVIRONMENTAL CONSERVATION
OFFICE OF THE SUPERVISOR
1970

**LIST OF COUNCIL MEMBERS HOLDING OFFICE
AT THE DATE OF THIS REPORT**

June 30, 1946

FRANK J. VALGENTI, JR., *Chairman*.....Madison
MARVIN A. SPAULDING.....Trenton
HAROLD W. LAAUWE.....Paterson
W. STEELMAN MATHIS.....Toms River
HAROLD E. LONGSDORF.....Mount Holly
ARTHUR F. FORAN.....Flemington
HARRISON COOK.....Atlantic City
JOSEPH AYERS.....Andover
HIRAM B. D. BLAUVELT.....Oradell

ANNE E. SULLIVAN, *Secretary*
OFFICE, State House Annex, Trenton, N. J.

MALCOLM DUNN, *Superintendent of Game Farm*, Forked River
ROBERT BUNTAIN, *Superintendent of Game Farm*, Hackettstown
CHARLES O. HAYFORD, *Superintendent of Fish Hatchery*, Hackettstown
EDWARD H. ROTH, *Superintendent of Quail Farm*, Holmansville
L. G. MACNAMARA, *Superintendent of Game Management*, Pittstown
JULES MARRON, *Public Relations Assistant*, Bevans

**LIST OF FISH AND GAME WARDENS HOLDING COMMISSIONS
AT THE DATE OF THIS REPORT**

FREDERICK C. CRAIG, *Protector*.....Hackettstown
 G. I. HALL, *Assistant Protector*.....Salem
 JAMES H. TRELOAR, *Assistant Protector*.....Newton
 CHARLES C. HILL, *Assistant Protector*.....Toms River
 JOHN R. HUGG, *Assistant Protector*.....West Caldwell

ALFRED F. BAKLEY.....Washington
 DAVID W. BROCKER.....Denville
 FRANK T. CLARK.....Hackettstown
 OSCAR S. CLARK.....Vineland
 WILLIAM P. COFFIN.....Somerville
 STANLEY COOK.....Van Hiseville
 HERBERT G. COTTRELL.....Belmar
 CLIFFORD CUDNEY.....Spotswood
 ANDREW DRYSDALE.....Gladstone
 MATTHEW W. ENGELS.....Mays Landing
 J. HOWARD FERRY.....Jersey City
 WESLEY GIBBS.....Yardville
 JOHN W. GRAHAM.....Swedesboro
 GEORGE E. GROVES.....Bridgeton
 RICHARD K. HALL.....Audubon
 J. LESTER HYDE.....Newton
 ALFRED S. JONES.....Salem
 FRANCIS L. JONES.....Stone Harbor
 JAMES L. KILPATRICK.....Tuckerton
 NORMAN P. KRAEUTER.....Clinton
 HARRY MORRISON.....Sussex
 CARL W. NEWMAN.....Dover
 THOMAS F. NOLAN.....Mercerville
 JOHN C. O'DOWD.....Trenton
 EUGENE W. O'NEILL.....Clinton
 ALFRED PERKINS.....Neptune
 DANA J. SAXTON.....Absecon
 ANDREW SHRAW.....Springfield
 LEO F. SHURR.....Glen Gardner
 THOMAS L. SPENCER.....Hackensack
 GARRET WESTERVELD.....Paterson
 ROY H. WILLIAMS.....Pompton Lakes

FOREWORD

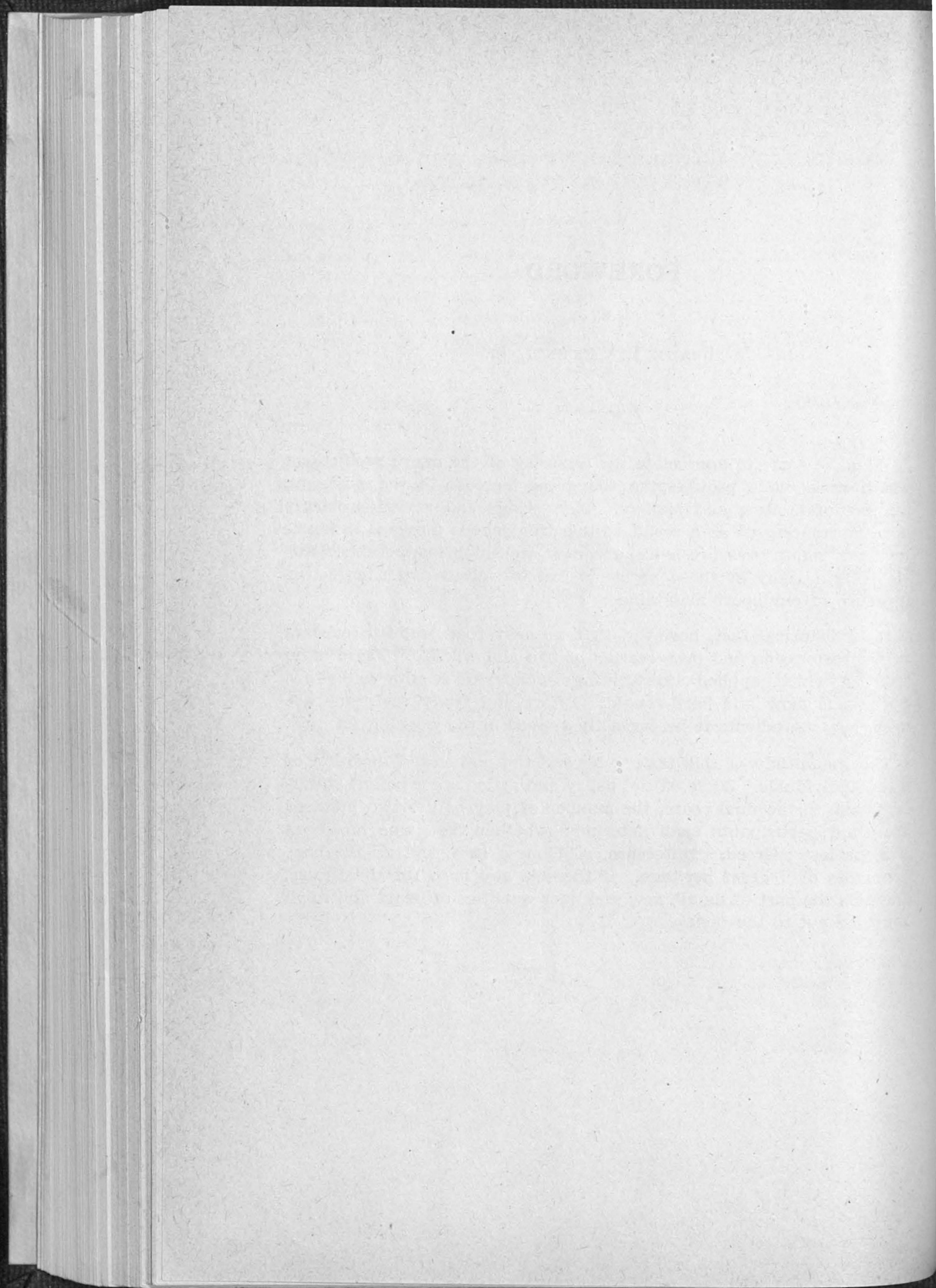
BY

FRANK J. VALGENTI, JR.

We have come to appreciate the accuracy of the many predictions which were made prophesying the great increase in the post-war number of hunters and anglers. The serious and varied problems now confronting us as a result of this tremendous increase in hunting and fishing pressure seem, at times, well-nigh insuperable. But we believe many of these problems can be solved and a sufficient measure of our sport maintained.

It is historical fact, however, that no easy road leads to success in the restoration and preservation of fish and wildlife. There is no panacea which, applied today, brings wonderful results tomorrow. Success is slow and hard-fought. Effort and study and time are necessary ingredients to be earnestly applied in the working formula.

The magnitude of this task is beyond the power and devotion of a few individuals. While official policy and action are a potent stimulant still, in the final score, the manner of play of the two hundred thousand participants shall determine whether the game has been won or lost. Greed, indifference, selfishness have left us the bare remnants of a great heritage. If there is any hope for the future, then, on the part of us all, new and finer qualities of heart and mind must be put to the task.



SUMMARY OF ACTIVITIES 1945-46

The following is a brief summary of conservation of wildlife and propagation and liberation of fish and game during the fiscal year beginning July 1, 1945, and ending June 30, 1946.

FISH AND GAME LIBERATION

Pheasants—30,835, of which number 10,667 were propagated and distributed from state-owned game farms; 12,016 purchased from licensed dealers; 8,152 raised to adult stage by 4-H Clubs and others from day-old chicks hatched at state farms.

Quail—12,778, of which number 12,497 were propagated and distributed from the State Quail Farm and 281 purchased and liberated.

Rabbits—20,523, purchased from the west for liberation.

Fish—954,248, of which number 721,674, as follows, were propagated and distributed from the state-owned hatcheries: trout over seven inches, 430,967; trout under seven inches, 32,200; large mouth bass, 67,567; small mouth bass, 126,080; bluegill sunfish, 39,070; yellow perch, 265; tadpoles, 25,000; shiners, 525.

There were 232,574 fish as follows netted from various reservoirs and other closed waters and redistributed: yellow perch, 114,896; white perch, 6,150; sunfish, 55,502; bluegill sunfish, 2,122; calico bass, 11,110; large mouth bass, 5,354; small mouth bass, 44; striped bass, 40; shiners, 24,052; catfish, 9,287; pickerel, 542; pollywogs, 3,400; miscellaneous, 75.

* * * * *

| | |
|---------------------------------------------------------------------------------------|--------------|
| The market value of all fish and game liberated was | \$400,340.30 |
| The receipts from resident and non-resident hunters' and anglers' licenses were | \$498,477.40 |

LAW ENFORCEMENT

During the fiscal year ending June 30, 1946, there were 1,036 prosecutions for violations of the fish and game laws. Five of these cases were dismissed by the court.

LICENSES ISSUED

| | |
|---------|---------|
| 1944 | 1945 |
| 170,798 | 195,866 |

1945 DEER KILL

The total number of deer taken during the five-day open season of the year 1945 was 2,704.

LATEST REPORT OF FISH AND GAME TAKEN

The tabulation of fish and game taken during the calendar year 1944 shows a slight increase in practically all species. With only 36% of the license holders reporting, as compared with 41% the previous year, the following fish and game was taken during 1944:

| | 1943 | 1944 |
|----------------------|---------|---------|
| Deer | 2,458 | 2,633 |
| Pheasants | 128,342 | 135,765 |
| Quail | 24,643 | 25,445 |
| Rabbits | 454,596 | 488,722 |
| Gray squirrels | 214,747 | 285,596 |
| Grouse | 4,199 | 4,289 |
| Woodcock | 2,566 | 2,520 |
| Ducks | 78,620 | 79,238 |
| Geese | 856 | 888 |
| Trout | 290,221 | 299,992 |
| Bass | 114,025 | 181,523 |
| Pickerel | 96,641 | 98,036 |
| Skunk | 4,816 | 2,925 |
| Mink | 572 | 245 |
| Muskrat | 187,285 | 176,112 |

PREDATORY VERMIN CONTROL

The following tabulation shows the predatory animals taken by the sportsmen during 1944, as compared with the previous year:

| | 1943 | 1944 |
|---------------------|-------|-------|
| Cats | 5,220 | 3,788 |
| Weasels | 1,799 | 1,261 |
| Red squirrels | 1,861 | 1,116 |
| Foxes | 1,402 | 1,754 |

In addition, there were 30,429 head of predatory birds and animals taken by our wardens, wildlife managers, trappers, and holders of special vermin permits.

The above figures do not include predators taken by farmers who do not require a license to trap or shoot them on their own lands when doing damage.

GAME MANAGEMENT

Personnel remains curtailed in this division. Technically trained employees upon their discharge from the armed forces have taken more lucrative positions with other conservation agencies or have returned to college to avail themselves of the benefits of the G.I. Bill. Despite this handicap, definite progress has been made toward a pre-war status. Projects of a restorative nature were stressed. A total of 267 food patches was planted on state-owned lands and on lands sponsored by sportsmen's clubs. In addition, 58 acres of corn, 4.5 acres of reed canary grass, 29 acres of soybeans and small areas of *Lespedeza sericea* and zigzag clover were planted.

A total of 323 squirrels was removed from metropolitan areas and liberated in rural districts. Similarly, 57 beaver were removed from areas in which they were doing damage and placed in locations where their presence will not be obnoxious. A deer trap was experimented with and a satisfactory product finally developed.

Considerable work was done in observing the effects of DDT on fish and wildlife. The regular duties of maintenance of buildings and grounds, control of predacious birds and animals, field trials and co-operation with sportsmen's clubs received adequate attention.

Under Federal-Aid-to-Wildlife project 11-D-5, 3,107 ft. of dike were constructed, 1 spillway completed, 2 salt ponds established, 6,618 ft. of ditch excavated, 2,229 ft. of sod wall erected and 2 ditch plugs installed. Plans for a pheasant restoration project were set up in Warren County.

LEGISLATION

1. Prohibits angling in trout streams from March 1 to April 14. Chapter 47.
2. Clarifies deer possession law. Chapter 48.
3. Repeals contradictory section regarding breeding of game. Chapter 49.
4. Provides Council may issue permits for use of rifle on woodchuck only. Chapter 50.
5. Amends State law so that woodcock season shall conform to Federal law. Chapter 83.
6. Fixes legal size of pickerel, pike and pike-perch at 12 inches. Chapter 74.
7. Includes Camden County among counties prohibiting hunting in tracking snow. Chapter 75.
8. Eliminates contradiction in raccoon season. Chapter 103.
9. Provides special permit for trapping beaver. Chapter 165.
10. Prohibits discharge of firearm within 300 feet of occupied dwelling. Chapter 171.
11. Permits possession and sale of artificial bait having up to nine hooks. Chapter 166.

GENERAL

REORGANIZATION OF DEPARTMENT

The reorganization and consolidation act passed by the Legislature was instituted on July 1, 1945, and the Fish and Game Department became the Division of Fish and Game, a unit of a new Department of Conservation.

The nine Fish and Game Commissioners holding office at that time constituted the first Fish and Game Council under the new Division, and Frank J. Valgenti, Jr., of Madison, was selected to become the first Chairman.

EDUCATIONAL ACTIVITIES

In continuing the policy to tender a broader conservation program to the general public, the Division in the past fiscal year presented 318 programs in the State and six outside the State consisting of motion pictures, lectures, conferences, discussion group meetings, and exhibits. An aggregate of over 130,000 adults and children heard the lectures and viewed the pictures and displays.

Radio scripts were prepared and broadcast over WAAT, Newark, and rebroadcast in Trenton, Bridgeton and Atlantic City on the program, "This is New Jersey," sponsored by the Department of Economic Development.

Conservation exhibit material was designed and constructed at the workshop on the Flat Brook Tract and displayed at the "Cavalcade of Progress" in Asbury Park, the Trenton State Fair, and various meetings. Many persons viewed these displays of panels, photographs, live and mounted fish and wildlife. The panels portrayed safety with firearms, the kill of wildlife on the highways, the pheasant rearing program, wildlife on the farm, and the essentials of food, cover, water and protection.

The day-old pheasant chick rearing project was conducted in 15 counties. The 141 participants, consisting of Future Farmers of America, 4-H members, farmers, individuals, and Sportsmen's Clubs, reared to 12 weeks of age and over 8,152 birds. Some of the participants held seed stock for spring releasing. Reports of natural propagation were noted in some areas this spring. Part of the program was the preparation of habitat for the released birds, and many rows and shocks of corn were to be left standing for food. A pheasant rearing bulletin titled "As You Sow—So Shall You Reap" was prepared in connection with this program.

The first 4-H Game Bird Rearing Club in the eastern states was organized in March in Sussex County. Some of its objectives are to help restore wild game in the county, rear to well-feathered, healthy birds more than 75% of the chicks received, and adopt a wildlife management project on the farms of individual members.

Because of the anticipated increase of hunters in the field during the upland season, emphasis at meetings and displays was placed on safety with firearms. Over 100,000 copies of the leaflet "Ten Commandments of Safety" were distributed. With the assistance of the New Jersey State Police, special high school assembly programs of plays and demonstrations were conducted.

Since the releasing of more colored motion picture film, this Division has taken many feet of film and will complete some of the scenarios prepared before the war. Additional still pictures have been added to the files for news and magazine articles, lectures and displays. A new colored sound film titled "Pheasant Fever" has been added to our library. This film, made in New Jersey, portrays a man and his hunting dogs. It has been proclaimed the finest of its kind in photography and action.

PROSECUTIONS

There was a great increase in the number of prosecutions for violations of the fish and game laws during the fiscal year ending June 30, 1946. Only five cases were dismissed of a total of 1,036 complaints filed.

Sentence was suspended in 57 cases, two defendants given time to pay the penalty imposed, seven placed on probation, and 16 committed to jail. Two guns were confiscated and 53 licenses revoked. Appeals to the Common Pleas Court were filed by defendants in 21 instances.

The number of arrests made by each Warden, Deputy Wardens and other complainants during the fiscal year is as follows:

| | |
|--------------------|-----|
| Williams | 105 |
| Groves | 89 |
| Graham | 75 |
| A. Jones | 70 |
| Newman | 53 |
| Coffin | 49 |
| Engels | 44 |
| Nolan | 41 |
| F. Clark | 40 |
| O'Dowd | 37 |
| Westerveld | 29 |
| Brocker | 24 |
| Ferry | 23 |
| Hyde | 23 |
| Saxton | 22 |
| Kilpatrick | 20 |
| O. Clark | 17 |
| Drysdale | 16 |
| Cottrell | 16 |
| F. Jones | 15 |
| Bakley | 13 |
| R. Hall | 12 |
| Woodlin | 12 |
| Dalrymple | 11 |
| Gibbs | 11 |
| Shraw | 11 |
| Morrison | 10 |
| Spencer | 10 |
| Cook | 9 |
| Kraeuter | 8 |
| Mathis | 8 |
| O'Neill | 7 |
| Perkins | 6 |
| Hill | 4 |
| Cudney | 4 |
| Carmelia | 2 |
| Hugg | 2 |
| Treloar | 1 |
| G. Hall | 1 |
| Shurr | 1 |
| Deputy Wardens | 58 |
| Other complainants | 27 |

1,036

The number of arrests according to districts is as follows:

First District:

Sussex, Warren, Passaic, and Hunterdon Counties 245

Second District:

Bergen, Essex, Hudson, Middlesex, Somerset, Union, and
Morris Counties 214

Third District:

Mercer, Monmouth, Ocean, and Burlington Counties 190

Fourth District:

Cape May, Camden, Cumberland, Gloucester, Salem, and
Atlantic Counties 387

1,036

A grouping of the various offenses for which persons were prosecuted appears below:

LICENSE VIOLATIONS: Fishing without, 244; hunting without, 54; trapping without, 16; false information, 40; procuring wrong, 4; loaning, 6; refusing to show, 4.

FISHING VIOLATIONS: Closed season, 37; illegal netting, 18; undersized fish, 15; illegal artificial bait, 16; excess bag, 9; spearing and shooting, 6.

HUNTING VIOLATIONS: Using lights, 52; closed season, 29; after sunset, 79; on Sunday, 44; protected birds, 7; before sunrise, 8; possession live fox, 3; hen pheasant, 2; at night, 2; before nine A. M., 2; excess bag, 2; while intoxicated, 2; in tracking snow, 10.

DEER VIOLATIONS: At night, 8; short-horned, 6; closed season, 18; does, 5; illegal possession, 6; with dogs, 1.

FIREARMS VIOLATIONS: Loaded in vehicle, 83; closed season, 35; illegal firearm, 54; illegal missile, 47; alien, 1; discharging from highway, 3.

TRAPPING VIOLATIONS: Closed season, 10; game illegally, 4; stealing traps, 6; disturbing muskrat lodge, 1.

MISCELLANEOUS VIOLATIONS: Dog at large, 16; interference or resisting officer, 9; dog at night, 2; pollution, 1; trespass on game preserve or hatchery, 9.

GAME

GAME FARM REPORTS

Forked River Farm

A heavy mortality of birds was experienced at this farm due to an outbreak of equine encephalomyelitis. As a preventive measure next year it is planned to inject all birds with a new vaccine found to be successful in avoiding this disease.

Construction of a new breeding pen 1,200'x300', with two attached sheds 50'x12', and a concrete-block egg room, has greatly improved crowded conditions at this farm.

The pheasant record for the calendar year of 1945 was as follows:

| | |
|------------------------------------------------|--------|
| Breeding birds on hand January 1, 1945 | 1,187 |
| Young birds on hand January 1, 1945 | 1,118 |
| Eggs laid | 33,194 |
| Eggs distributed | 162 |
| Eggs set | 26,850 |
| Birds hatched | 16,375 |
| | <hr/> |
| | 18,680 |
| | |
| Spring distribution | 913 |
| Fall distribution | 3,185 |
| Day-old chicks distributed | 5,300 |
| Birds died or escaped | 7,078 |
| Breeding birds on hand December 31, 1945 | 37 |
| Birds held for Spring distribution | 2,167 |
| | <hr/> |
| | 18,680 |

Rockport Farm

The pheasant record for the calendar year of 1945 at this farm was as follows:

| | |
|------------------------------------------------|--------|
| Breeding birds on hand January 1, 1945 | 1,152 |
| Young birds on hand January 1, 1945 | 1,423 |
| Eggs laid | 33,660 |
| Eggs distributed | 3,582 |
| Eggs set | 27,650 |
| Birds hatched | 17,462 |
| | <hr/> |
| | 20,037 |
| | |
| Spring distribution | 1,350 |
| Fall distribution | 4,237 |
| Day-old chicks distributed | 8,452 |
| Birds died or escaped | 1,587 |
| Breeding birds on hand December 31, 1945 | 1,112 |
| Birds held for Spring distribution | 3,299 |
| | <hr/> |
| | 20,037 |

Quail Farm

Experiments were conducted with new electric brooding units, and slight alterations were made in the hatchers. The most gratifying experiment was one in large scale holding. A wire-floored pen 96'x9' was constructed and 400 birds at eight weeks of age were placed in the pen on September 1. On May 1 the birds were removed with a loss of only 4% over the eight month period, and the quality of the birds was much improved over the old method of small unit holding. Four additional new type units are being constructed in view of the satisfactory results obtained.

The quail record for the calendar year 1945 was as follows:

| | |
|------------------------------------------------|--------|
| Breeding birds on hand January 1, 1945 | 641 |
| Young birds on hand January 1, 1945 | 1,843 |
| Eggs laid | 27,180 |
| Eggs set | 24,435 |
| Birds hatched | 18,302 |
| | <hr/> |
| | 20,786 |
| Spring distribution | 1,460 |
| Fall distribution | 7,273 |
| Birds died or escaped | 5,440 |
| Breeding birds on hand December 31, 1945 | 1,318 |
| Birds held for Spring distribution | 5,295 |
| | <hr/> |
| | 20,786 |

WILDLIFE MANAGEMENT ACTIVITIES

In order to supplement a diminishing food supply, a total of 248 food patches were planted on state-owned lands. In addition, 58 acres of corn, 4.5 acres of reed canary grass, 29 acres of soybeans, 1 acre of *Lespedeza sericea* and 500 plants of zig-zag clover were planted. Along this vein it was interesting to note that tick trefoil, *Lespedeza bicolor* and *Lespedeza cyrtobotrya* give evidences of high production this year. If these plants prove adaptable to southern New Jersey, we will have made a great progressive step in supplementing a severe food deficiency in that region.

In accordance with pre-war custom, we co-operated with clubs fostering food patch planting programs as far as facilities would allow. The 6666 Gun Club at Weymouth sponsored a planting of three acres, the Metuchen Rod and Gun Club sponsored a project of eight food patches, the Lower Camden County Game Protective Association fostered a program of eight patches, and a large program was actively pursued by the Salem County Beagle Club.

Other projects included the placing of 350 cubic yards of fill on the dikes at the Colliers Mills Public Shooting and Fishing Grounds; the Turkey Swamp Public Shooting and Fishing Grounds was plotted and mapped; preparations were made for a boundary survey of the Winslow Public Shooting and Fishing Grounds, and considerable maintenance of roads, fences and buildings was carried on at the Flat Brook Public Shooting and Fishing Grounds.

Winter feeding was an active program during periods of emergency on the state-owned lands and open lands throughout the State. In addition, 500 bushels of corn were delivered to Rockport Pheasant Farm, 540 bushels to the Forked River Pheasant Farm, and 375 bushels given to the Game Wardens. This amount of corn was produced by the Wildlife Managers on the state-owned Public Shooting and Fishing Grounds.

During the year, the propagation units at Holmansville, Forked River and Rockport were closely allied with the Wildlife Management unit. Posts for pens at the game farms were furnished from state-owned grounds, and lumber from dismantled CCC Camp buildings on state-owned lands was used for new construction and repair.

A pheasant management plan was formulated for pheasant restoration in Warren County. The plan was requested by Warren County Rod and Gun Clubs Nos. 1, 2, 3, and 4. Preliminary work on the plan has been completed.

Miscellaneous activities included the removal of 323 squirrels from Newark and vicinity and their subsequent liberation on open lands in rural areas, the construction of a one-hour field trial course on the Clinton Public Shooting and Fishing Grounds, the inspection of 115 deer damage complaints and the issuance of 99 deer damage permits, the construction of four electric fences to repel deer, repairs to the clubhouse and tower at the Clinton Grounds, and repair of the storage building on the Glassboro Public Shooting and Fishing Grounds. Predator control yielded 38 cats, 33 skunks, 7 owls, 30 hawks, 12 foxes, 64 crows, 4 weasels, 10 opossum and 2 wild dogs.

Considerable effort was directed toward the control of beaver which necessitated the removal of these animals alive from areas in which they were doing damage and liberating them in areas where they could do no damage. Fifty-seven beaver were removed.

Federal Aid to Wildlife Project 11-D-5, a waterfowl development project, was maintained on the Tuckahoe-Corbin City Public Shooting and Fishing Grounds. Previous work is yielding good results in waterfowl habitat by carrying a good duck population. The following work was accomplished during the year:

- 3,107 ft. of dike were constructed
- 6,618 ft. of circulation ditch were constructed
- 1 thirteen-foot spillway was completed
- 2,229 ft. of sod wall were built
- 6,768 ft. of dike were graded
- 4 powder magazines were built
- 2 salt water ponds were built
- 1 ditch plug was installed

DEER

The following is the number of deer taken in each county during the five-day open season of 1945:

| <i>County</i> | <i>Number Legal Bucks</i> | <i>Illegal Bucks, Does or Fawns</i> |
|------------------|-----------------------------------|---------------------------------------------|
| Atlantic | 225 | .. |
| Bergen | 66 | 3 |
| Burlington | 591 | 21 |
| Camden | 55 | .. |
| Cape May | 40 | 3 |
| Cumberland | 135 | 1 |
| Essex | 36 | 2 |
| Gloucester | 19 | .. |
| Hunterdon | 99 | 2 |
| Mercer | 30 | 2 |
| Middlesex | 5 | .. |
| Monmouth | 65 | .. |
| Morris | 397 | 7 |
| Ocean | 240 | .. |
| Passaic | 120 | 4 |
| Salem | .. | .. |
| Somerset | 143 | 7 |
| Sussex | 288 | 8 |
| Union | 4 | 1 |
| Warren | 146 | 1 |
| | 2,704 | 62 |

There were 463 deer killed at other times of the year by automobiles, trains, under permits, and in various other ways.

HUNTING ACCIDENTS

Eighteen hunting accidents were reported during the year, which is the same number as the previous year; however, there were a greater number of fatalities, seven persons having died as a result of injuries received. Three of the accidents were self-inflicted. Only one deer hunting accident was reported and this proved fatal.

FISH

REPORT OF HATCHERY OPERATIONS

| | Inches | Raised July 1, 1945 to June 30, 1946 | Disposed of | Estimated Number on Hand |
|------------------|--------|--------------------------------------------|----------------|--------------------------------|
| Brook trout | 2-3 | 50,000 | ..... | 50,000 |
| " " | 3-4 | 200,000 | ..... | 200,000 |
| " " | 4-5 | 81,600 | 31,600 | 50,000 |
| " " | 6-8 | 20,000 | ..... | 20,000 |
| " " | 8-10 | 142,525 | 127,525 | 15,000 |
| " " | 10-12 | 53,675 | 53,675 | ..... |
| " " | 12-14 | 32,630 | 32,630 | ..... |
| Brown trout | 2-3 | 175,000 | ..... | 175,000 |
| " " | 3-4 | 200,000 | ..... | 200,000 |
| " " | 4-5 | 600 | 600 | ..... |
| " " | 6-7 | 65,000 | ..... | 65,000 |
| " " | 7-8 | 30,000 | ..... | 30,000 |
| " " | 8-10 | 44,575 | 39,575 | 5,000 |
| " " | 10-12 | 40,125 | 40,125 | ..... |
| " " | 12-14 | 4,275 | 4,275 | ..... |
| Rainbow trout | 2-3 | 300,000 | ..... | 300,000 |
| " " | 3-4 | 100,000 | ..... | 100,000 |
| " " | 4-5 | 50,000 | ..... | 50,000 |
| " " | 6-8 | 55,000 | ..... | 55,000 |
| " " | 8-10 | 84,780 | 74,780 | 10,000 |
| " " | 10-12 | 51,130 | 51,130 | ..... |
| " " | 12 | 5,000 | 5,000 | ..... |
| " " | 12-14 | 2,000 | 2,000 | ..... |
| " " | 12-16 | 252 | 252 | ..... |
| Large mouth bass | 1-2 | 150,000 | ..... | 150,000 |
| " " " | 2-3 | 66,450 | 66,450 | ..... |
| " " " | 6-8 | 1,100 | 1,100 | ..... |
| " " " | 8-10 | 17 | 17 | ..... |
| Small mouth bass | 1-2 | 150,000 | ..... | 150,000 |
| " " " | 2-3 | 10,000 | 10,000 | ..... |
| " " " | 3-4 | 51,650 | 51,650 | ..... |
| " " " | 4-5 | 25,000 | 25,000 | ..... |
| " " " | 4-6 | 26,650 | 26,650 | ..... |
| " " " | 5-6 | 8,000 | 8,000 | ..... |
| " " " | 6-8 | 3,950 | 3,950 | ..... |
| " " " | 8-10 | 460 | 460 | ..... |
| " " " | 10-14 | 20 | 20 | ..... |
| " " " | 14-22 | 350 | 350 | ..... |

| | <i>Inches</i> | <i>Raised July 1, 1945 to June 30, 1946</i> | <i>Disposed of</i> | <i>Estimated Number on Hand</i> |
|------------------|---------------|-----------------------------------------------------|------------------------|-----------------------------------------|
| Bluegill sunfish | 1-2 | 13,625 | 13,625 | ..... |
| " " | 2-3 | 13,625 | 13,625 | ..... |
| " " | 6-8 | 8,470 | 8,470 | ..... |
| " " | 7-9 | 3,350 | 3,350 | ..... |
| Yellow perch | 6-9 | 265 | 265 | ..... |
| Shiners | 4-5 | 525 | 525 | ..... |
| Tadpoles | | 25,000 | 25,000 | ..... |
| | | <u>2,346,674</u> | <u>721,674</u> | <u>1,625,000</u> |

The Council's decision to distribute trout of a larger size proved successful. In continuance of this policy, operations at the hatchery are being directed toward further increasing both the size and number of trout. The bluegills and sunfish released were also of a larger size than formerly, in keeping with the new policy.

There is under way at the present time the excavation for and laying of 2,500' of pipe line, 1,000' of which will be for new lines to give better water supply control, and the balance to replace old lines.

Thirty acres of land adjoining the main hatchery were purchased for construction of ten large ponds, and the Council has approved the purchase of 16¼ additional acres. When the development of this acreage is completed, it is expected that production of warm water fish will be doubled. In conjunction with the warm water fish program, a survey of the lakes of the State is to be made in order to formulate a sound lake stocking policy.

NETTING OPERATIONS

The fish reclamation and redistribution work resulted in the netting of the following fish from reservoirs and other private sources, which were planted in open waters:

| | |
|------------------|---------|
| Yellow Perch | 114,896 |
| White Perch | 6,150 |
| Sunfish | 55,502 |
| Bluegill Sunfish | 2,122 |
| Calico Bass | 11,110 |
| Large Mouth Bass | 5,354 |
| Small Mouth Bass | 44 |
| Striped Bass | 40 |
| Catfish | 9,287 |
| Shiners | 24,052 |
| Pollywogs | 3,400 |
| Miscellaneous | 75 |
| Pickrel | 542 |
| | <hr/> |
| | 232,574 |

FISH DISTRIBUTED BY FEDERAL GOVERNMENT

The following tabulation shows the fish distributed in New Jersey by the Fish and Wildlife Service, United States Department of the Interior during the 1945 calendar year:

| | |
|------------------------|--------|
| Brook trout | 3,212 |
| Rainbow trout | 920 |
| Small Mouth Bass | 284 |
| Large Mouth Bass | 4,844 |
| Bluegill Sunfish | 23,550 |
| | <hr/> |
| | 32,810 |

POUND FISHERIES SUMMARY

The following is a summary of the pound fisheries' reports for the calendar year ending December, 1945:

| | |
|-------------------------------------------------------|----------------|
| Approximate value of all pounds | \$959,773.47 |
| Proceeds derived from sale of fish | \$1,756,219.98 |
| Number of pounds of fish caught and disposed of | 32,496,909 |

Licenses issued:

| | |
|----------------------------------|-------|
| Atlantic Ocean | 120 |
| Sandy Hook and Raritan Bay | 32 |
| | <hr/> |
| | 152 |

| | |
|---------------------------------|-----|
| Number of pounds operated | 131 |
| Number of men employed | 344 |

MENHADEN AND FOOD FISH LICENSES

There were 45 vessels licensed to take menhaden with purse or shirred nets within the three-mile limit during the calendar year of 1945, and 128 vessels licensed to take food fish in the area between the two- and three-mile limit.

STRIPED BASS LICENSES

During the past fiscal year, there were 560 licenses issued to 132 persons for the netting of striped bass. Licenses were granted for the use of 528 gill nets and 32 haul seines.

SPECIAL NETTING LICENSES

Under the law authorizing the use of nets of various types in tidal waters, the following licenses were issued during 1945-46:

| | |
|-------------------------|-----|
| Drifting gill net | 50 |
| Hauling seine | 39 |
| Flounder fyke | 135 |
| Miniature fyke | 783 |
| Fyke | 109 |
| Shad | 441 |
| Staked gill | 262 |
| Bait seine | 15 |

GENERAL FUND

SUPPLEMENT TO 1944-45 REPORT

Income

Balance as per last printed report \$154,001.59

Expenditures

Chapter 150, Laws of 1944 \$30,190.74
 To balance 123,810.85
 \$154,001.59

REPORT FOR 1945-46

Income

Balance July 1, 1945 \$123,810.85
 Hunters' and anglers' licenses:

Revised Statutes, Title 23, Chapter 3:
 Sec. 11-12 (regular) ... \$383,975.90
 Sec. 3 (juvenile) 1,170.00
 Sec. 25 (woodcock) ... 1,696.00
 Agents' fees 1,309.10
 Duplicate licenses 224.00
 Delinquencies 35.00
 _____ \$388,410.00

Revised Statutes, Title 53, Chapter
 18, Section 21:

Menhaden licenses \$28,610.00
 Food fish licenses 5,850.00
 Breeders' licenses 1,306.00
 Pound licenses 6,640.00
 Shad licenses 1,550.00
 Striped bass licenses .. 865.00
 Net licenses 2,111.25
 Carp permits 370.00
 Deputy fees 105.00
 Sales and sundries 1,715.97
 Map and book sales ... 119.75
 _____ \$49,242.97

Fines, Revised Statutes, Title 23, Chap-
 ter 10, Sec. 19 28,233.00
 Trespass, Revised Statutes, Title 23,
 Chapter 7, Sec. 5 326.50
 Fire loss 205.00
 Refund—duplicate payment 17.20
 Refund—salaries 374.91
 _____ \$466,809.58

\$590,620.43

Expenditures

Chapter 52, Laws of 1945, expenditures *\$448,719.88
 Cash balance, July 1, 1946 \$141,900.55
 Requisitions outstanding against this balance 59,117.45
 Account balance, July 1, 1946 \$82,783.10

***Analysis of Expenditures**

| | <i>Actually Paid</i> | <i>Bills Outstanding</i> | <i>Total</i> |
|-----------------------------------------------------------------------------------|--------------------------|------------------------------|--------------|
| Transfer from Fund to pay part of Commissioner of Conservation salary | \$2,930.00 | ..... | \$2,930.00 |
| Personal administration | 671.26 | \$27.00 | 698.26 |
| Office: | | | |
| Wages | 19,471.66 | 25.00 | 19,496.66 |
| Other expenses | 195.08 | 311.23 | 506.31 |
| Rent | 5,300.00 | ..... | 5,300.00 |
| Public relations: | | | |
| Wages | 2,496.00 | ..... | 2,496.00 |
| Other expenses | 684.19 | 1,112.20 | 1,796.39 |
| Publicity—wages | 1,020.00 | ..... | 1,020.00 |
| Printing, stationery, etc. | 3,489.95 | ..... | 3,489.95 |
| Hunting and fishing licenses | 1,380.00 | ..... | 1,380.00 |
| Legal expenses | 226.80 | ..... | 226.80 |
| Coastal patrol: | | | |
| Wages | 5,680.00 | 53.33 | 5,733.33 |
| Maintenance | 3,552.00 | 216.06 | 3,768.06 |
| Gas and oil | 1,135.10 | 496.94 | 1,632.04 |
| New motors ..... | ..... | 7,920.00 | 7,920.00 |
| Wardens' service: | | | |
| Salaries | 89,753.86 | ..... | 89,753.86 |
| Expenses including uniforms | 3,686.54 | 802.41 | 4,488.95 |
| Assistance in deer woods | 765.00 | ..... | 765.00 |
| Tires and tubes | 1,275.34 | 490.65 | 1,766.49 |
| Gas and oil | 7,321.67 | 1,400.94 | 8,722.61 |
| Maintenance | 9,568.89 | 233.63 | 9,802.52 |
| Replacement of autos | 17,954.20 | 4,341.75 | 22,295.95 |
| Replacement of boats and motors | 1,353.90 | 3,080.85 | 4,434.75 |
| Predator control: | | | |
| Wages | 10,880.00 | ..... | 10,880.00 |
| Other expenses | 1,656.94 | 190.18 | 1,847.12 |
| Fish distribution: | | | |
| Wages | 13,612.10 | ..... | 13,612.10 |
| Other expenses | 5,161.59 | 143.37 | 5,304.96 |
| Netting expenses | 20.76 | ..... | 20.76 |
| Replacement of trucks | 1,599.00 | ..... | 1,599.00 |
| Fish Hatchery: | | | |
| Wages | 42,022.32 | 72.83 | 42,095.15 |
| Food | 72,229.52 | 6,553.92 | 78,783.44 |
| Other expenses | 6,653.10 | 1,960.55 | 8,613.65 |
| Additional land ..... | ..... | 10,000.00 | 10,000.00 |
| Replacement of vehicles ..... | ..... | 3,046.70 | 3,046.70 |
| Purchase of game from outside sources | 29,106.80 | ..... | 29,106.80 |

| | <i>Actually Paid</i> | <i>Bills Outstanding</i> | <i>Total</i> |
|--------------------------------------------------------------------|--------------------------|------------------------------|---------------------|
| Forked River Farm: | | | |
| Wages | 13,886.05 | ..... | 13,886.05 |
| Food | 11,479.60 | ..... | 11,479.60 |
| Other expenses | 7,165.50 | 1,046.14 | 8,211.64 |
| Replacement of vehicles ..... | ..... | 2,294.11 | 2,294.11 |
| Rockport Farm: | | | |
| Wages | 7,673.92 | ..... | 7,673.92 |
| Food | 11,261.18 | ..... | 11,261.18 |
| Other expenses | 2,176.73 | 119.75 | 2,296.48 |
| Replacement of vehicles ..... | ..... | 1,617.23 | 1,617.23 |
| Quail Farm: | | | |
| Wages | 14,107.02 | 28.00 | 14,135.02 |
| Food | 4,042.30 | 550.61 | 4,592.91 |
| Other expenses | 4,936.30 | 3,255.74 | 8,192.04 |
| Replacement of vehicles ..... | ..... | 826.00 | 826.00 |
| Postage, telephone, telegraph and insurance | 5,722.44 | ..... | 5,722.44 |
| Miscellaneous expenses (includes fair exhibits, medical, etc.) ... | 1,941.13 | ..... | 1,941.13 |
| Fish and game tags ..... | ..... | 185.62 | 185.62 |
| Pension payments for employees on military leave | 295.58 | ..... | 295.58 |
| War adjustment payments | 552.01 | ..... | 552.01 |
| Refunds | 626.05 | ..... | 626.05 |
| Replacement of vehicles in general ..... | ..... | 6,714.71 | 6,714.71 |
| | <u>\$448,719.88</u> | <u>\$59,117.45</u> | <u>\$507,837.33</u> |

**PUBLIC SHOOTING AND FISHING GROUNDS FUND
SUPPLEMENT TO 1944-45 REPORT**

Income

Balance as per last printed report \$126,526.94

Expenditures

Bills paid after June 30, 1945, for:

| | | |
|---------------------------------|-------------------|---------------------|
| Purchase of land, 1942-43 | \$3,420.00 | |
| Purchase of land, 1944-45 | 356.81 | |
| Federal aid, 1944-45 | 244.81 | |
| Other bills, 1944-45 | 831.73 | |
| | <u>\$4,853.35</u> | |
| To balance | | <u>121,673.59</u> |
| | | <u>\$126,526.94</u> |

REPORT FOR 1945-46

Income

| | | |
|------------------------------------------------------------|-------------------|---------------------|
| Balance July 1, 1945 | | \$121,673.59 |
| Receipts from U. S. for Federal Aid Account, 1944-45 | \$7,076.25 | |
| Receipts from U. S. for Federal Aid Account, 1945-46 | 4,340.10 | |
| Receipts from hunters' and anglers' licenses | 113,192.10 | |
| Miscellaneous receipts | 4,973.20 | |
| | <u>129,581.65</u> | |
| | | <u>\$251,255.24</u> |

Expenditures

| | | |
|-----------------------------------------------------|--|--------------|
| Expenditures | | *\$77,045.48 |
| Cash balance, July 1, 1946 | | \$174,209.76 |
| Requisitions outstanding against this balance | | 3,546.72 |
| Account balance, July 1, 1946 | | \$170,663.04 |

*Analysis of Expenditures

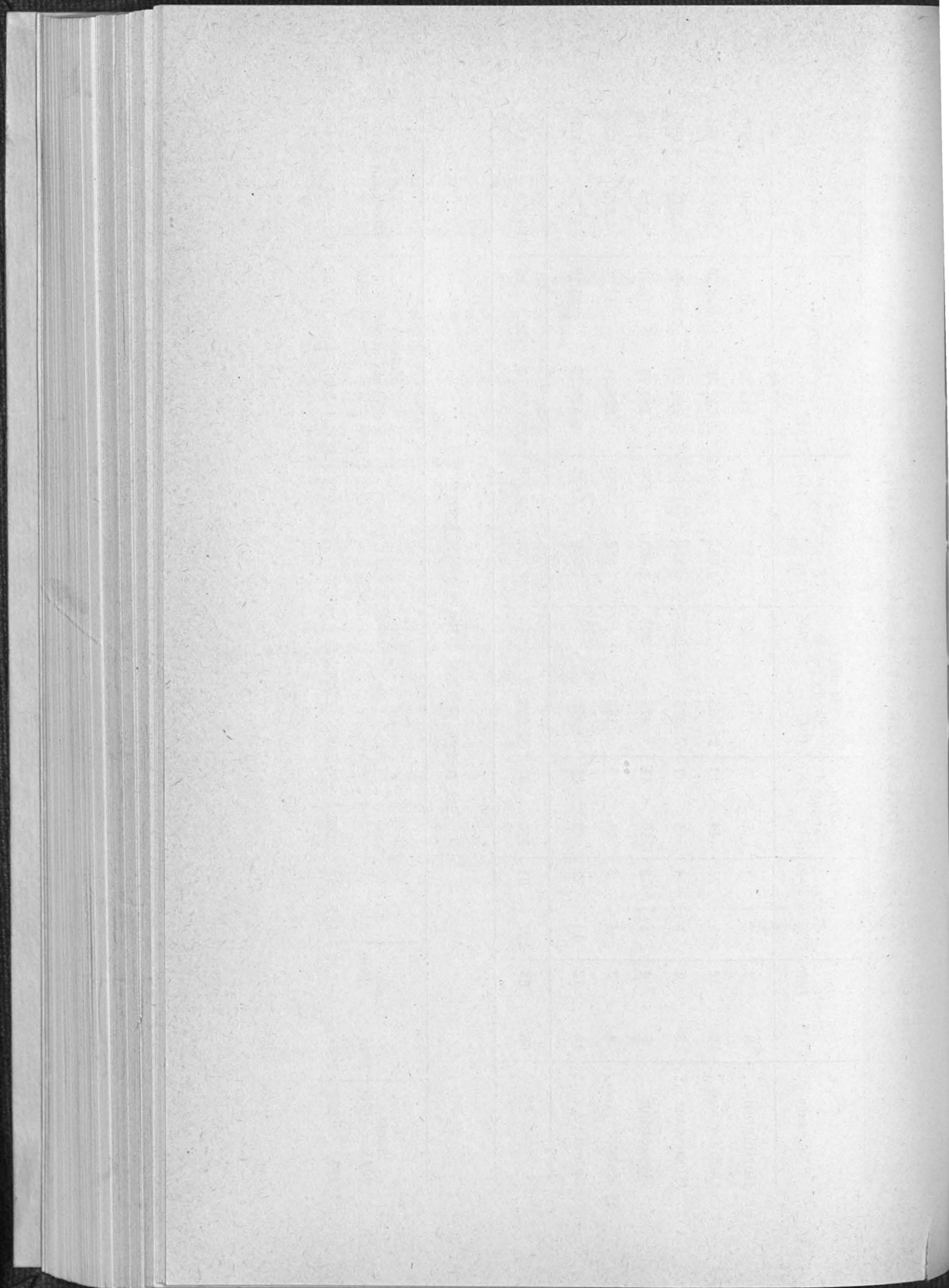
| | | | |
|----------------------------------------------------------|-------------|------------|-------------|
| Transfer from Fund, part of salary of Commissioner | | | \$2,570.00 |
| Fuel, light and power | \$2,570.00 | | \$2,570.00 |
| Office supplies | 249.99 | | 249.99 |
| Motor vehicular supplies | 10.23 | \$5.35 | 15.58 |
| Purchase of game | 1,677.07 | 502.86 | 2,179.93 |
| Operating materials and supplies.. | 23,233.98 | 400.00 | 23,633.98 |
| Other materials and supplies | 1,967.20 | 129.83 | 2,097.03 |
| Printing | 96.49 | | 96.49 |
| Traveling expenses | 18.00 | | 18.00 |
| Insurance | 599.49 | 1.95 | 601.44 |
| Garage rental | 170.00 | | 170.00 |
| Telephone | 58.40 | | 58.40 |
| Miscellaneous expenses | 452.17 | | 452.17 |
| Repairs to equipment and grounds. | 95.35 | | 95.35 |
| Additions, improvements and new equipment | 2,461.78 | 5.21 | 2,466.99 |
| Regular employees' wages | 6,598.50 | | 6,598.50 |
| Extra help wages | 23,042.42 | | 23,042.42 |
| Pension payments for employees in service | 1,527.34 | | 1,527.34 |
| War bonus | 277.03 | | 277.03 |
| Expenses under Federal Aid-to-Wildlife Bill: | 297.75 | | 297.75 |
| Fuel, light and power .. | \$100.82 | | |
| Motor vehicular supplies | 685.17 | | |
| Operating materials and supplies | 697.94 | | |
| Traveling expenses | 742.20 | | |
| Telephone | 57.55 | | |
| Miscellaneous expenses.. | 94.14 | | |
| Repairs to equipment.. | 1,554.97 | | |
| Regular employees' wages | 7,499.50 | | |
| War bonus | 210.00 | | |
| | 11,642.29 | 2,501.52 | 14,143.81 |
| | \$77,045.48 | \$3,546.72 | \$80,592.20 |

DELAWARE RIVER SHAD INDUSTRY

| County | Boats | | Nets | | Men Engaged | | Number Shad Caught | | Pounds Shad Caught | | Value Shad Caught | | Value Boats and Nets | |
|----------------|-------|------|------|------|-------------|------|--------------------|--------|--------------------|--------|-------------------|-------------|----------------------|----------|
| | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 |
| Burlington ... | 3 | 3 | 3 | 4 | 7 | 9 | 12 | 55 | 32 | 210 | \$15.50 | \$60.00 | \$390 | \$600 |
| Cumberland .. | 36 | 32 | 298 | 25 | 44 | 42 | 29,062 | 14,110 | 94,652 | 57,594 | 18,617.32 | 14,078.50 | 9,054 | 7,974 |
| Gloucester ... | 3 | 4 | 3 | 4 | 4 | 7 | 205 | 1,850 | 820 | 6,900 | 180.00 | 1,100.00 | 1,875 | 1,000 |
| Hunterdon ... | 5 | 4 | 5 | 3 | 19 | 11 | 424 | 200 | 1,600 | 500 | 587.75 | 175.00 | 1,210 | 400 |
| W Mercer | 4 | 3 | 4 | 3 | 14 | 9 | 143 | 40 | 572 | 170 | 226.94 | 34.00 | 1,275 | 1,025 |
| Salem | 14 | 12 | 14 | 12 | 28 | 23 | 1,476 | 758 | 7,380 | 3,695 | 2,459.25 | 923.75 | 4,775 | 3,475 |
| | 65 | 58 | 327 | 51 | 116 | 101 | 31,322 | 17,013 | 105,056 | 69,069 | \$22,086.76 | \$16,371.25 | \$18,579 | \$14,474 |

HUDSON RIVER SHAD INDUSTRY

| Boats | | Nets Owned | | Men Engaged | | Pounds Caught | | Number Shad Caught | | Value Shad Caught | | Value Boats and Nets | |
|-------|------|------------|------|-------------|------|---------------|-----------|--------------------|---------|-------------------|--------------|----------------------|-----------|
| 1945 | 1946 | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 | 1945 | 1946 |
| 185 | 226 | 146 | 182 | 181 | 264 | 1,295,132 | 1,525,243 | 285,854 | 437,689 | \$221,443.67 | \$240,637.63 | \$121,465 | \$198,440 |



STOCKING OF NEW JERSEY WATERS

By the New Jersey Division of Fish and Game
for the Fiscal Year Ending June 30, 1946

Total Number of Fish Planted from all Sources—954,248

KEY TO ABBREVIATIONS

| | | | |
|------------|------------------|------------|---------------|
| Bt | Brook Trout | Yper | Yellow Perch |
| Brnt | Brown Trout | Wper | White Perch |
| Rt | Rainbow Trout | Pic | Pickereel |
| Lmb | Large Mouth Bass | Pw | Pollywog |
| Smb | Small Mouth Bass | S | Sunfish |
| Bs | Bluegill Sunfish | C | Catfish |
| Cb | Calico Bass | P | Pike |
| Sh | Shiner | Misc | Miscellaneous |
| Str | Striped Bass | M | Minnnows |

Size

| | |
|----------|------------|
| a | Adult |
| fg | Fingerling |

ATLANTIC COUNTY

Bargaintown Lake—Bargaintown—200 Lmbfg.
English Creek—Pleasantville—200 Bta, 100 Brnta.
Hammonton Lake—Hammonton—1,700 Rta, 1,000 Lmbfg.
Northfield Clay Hole—Northfield—300 Rta.

BERGEN COUNTY

Babbits Brook—Wyckoff—750 Bta.
Bear Brook—Woodcliffe Lake—1000 Bta, 325 Brnta, 375 Rta.
Boiling Spring Brook—Old Tappan—400 Bta.
Glen Gray Boy Scout Pond—Hohokus Township—1,500 Btfg.
Hackensack River—Oradell—1,500 Bta, 950 Brnta, 250 Rta.
Hackensack Clay Pit—South Hackensack—1,500 Ypera.
Hackensack Golf Pond—Oradell—1,600 Ypera.
Marks Pond—Wyckoff—(In exchange)—1,000 Ypera.
Morrow Lake—Englewood—1,000 Ypera.
Musquasink Creek—Westwood—250 Bta.
Norwood Brook—Norwood—500 Bta.
Pascack Creek—Westwood—2,000 Bta, 500 Brnta.
Ramapo River—Oakland—4,475 Bta, 1,300 Brnta, 125 Rta.
Saddle River—Saddle River—3,975 Bta, 725 Brnta, 500 Rta.
Schlegel's Lake—Washington Township—6,000 Smbfg, 2,000 Pw.
Tenekill Creek—Closter—750 Bta, 200 Brnta.
Valentine Brook—Allendale—1,100 Bta.
Waldwick Lake—Waldwick—1,600 Ypera.
Willow Lake—Little Ferry—250 Brnta, 1,260 Rta.
Yaw Paw Boy Scout Pond—Darlington—1,500 Btfg.

BURLINGTON COUNTY

Absecami Lake—Bass River Tract—2,000 Lmbfg.
Atsion Lake—Atsion—4,000 Lmbfg, 150 Lmba, 500 Ypera, 50 Ca, 73 Sa,
2,500 Wpera, 1,000 M, 450 Cba.
Harrisville Lake—Harrisville—1,000 Lmbfg.
Indian Mills Lake—Indian Mills—2,000 Lmbfg.
Moorestown Lake—Moorestown—1,500 Rta, 2,000 Lmbfg.
Oswego Lake—Penn State Forest—2,000 Lmbfg.
Schrider Lake—Indian Mills—2,000 Lmbfg.
Sylvan Lake—Burlington—1,010 Rta, 2,000 Lmbfg.

CAMDEN COUNTY

Atco Lake—Atco—400 Rta, 500 Lmbfg.
Back Run—Berlin—300 Bta.
Big Lebanon Run—Turnersville—700 Bta.
Blackwood Lake—Blackwood—500 Lmbfg.
Bottomley Lake—Clementon—250 Lmbfg.
Bridgewood Lake—Gibbsboro—300 Rta.
Clementon Lake—Clementon—500 Lmbfg.
Columbia Lake—Maple Shade—300 Rta, 250 Lmbfg.
Cooper River Park Lake—Cooper Lake—2,750 Lmbfg.
Ellisburg Creek—Ellisburg—600 Bta.
Evans Lake—Haddonfield—500 Lmbfg.
Gibbsboro Lake—Gibbsboro—500 Lmbfg.
Grenloch Lake—Grenloch—500 Lmbfg.
Laurel Lake—Laurel Springs—500 Lmbfg.
Munn's Lake—Haddonfield—250 Rta, 500 Lmbfg.
Pillings Lake—Clementon—500 Lmbfg.
Rowand's Lake—Clementon—1,150 Rta.
Square Circle Lake—Near Gibbsboro—250 Lmbfg.
Woodcrest Creek—Woodcrest—400 Bta.

CAPE MAY COUNTY

Alms House Pond—Near Cape May Court House—100 Lmbfg.
Dennisville Pond—Dennisville—200 Lmbfg.
East Creek Lake—Eldora—200 Lmbfg.
Ludlams Pond—Dennisville—200 Lmbfg.
Nummy Lake—Belleplain State Forest—200 Lmbfg.
Pickle Pond—Eldora—100 Lmbfg.
Rio Grande Pond—Rio Grande—100 Lmbfg.
Tuckahoe Public Shooting Ground Lake—Tuckahoe—100 Lmbfg.

CUMBERLAND COUNTY

Cedarville Lake—Cedarville—500 Lmbfg.
Clark's Pond—Bridgeton—500 Lmbfg.
East Lake—Bridgeton—500 Lmbfg.
Grant Ave. Pond—Vineland—60 Lmba, 435 Ypera, 150 Ca, 750 Wpera, 40
Stra, 1,000 M, 190 Cba.
Laurel Lake—Buckshootem—1,200 Lmbfg.
Manantico Lake—Millville—800 Lmbfg.
Manantico Stream—Near Millville—500 Bta.
Manaway Stream—Newfield—500 Bta.
Mary Elmer Lake—Bridgeton—500 Lmbfg.
Muddy Run—Millville—1,000 Bta.
Tumbling Dam Lake—Bridgeton—50 Lmba, 750 Bsa, 2,145 Ypera, 450 Sa,
150 Wpera, 1,975 Cba, 15 Pa, 2,000 Sh.
Union Lake—Millville—4,000 Lmbfg.

ESSEX COUNTY

Branch Brook Park Lake—Newark—2,955 Ypera, 9 Pica, 1,040 Cba, 1,372 Bsa, 5,710 Ca, 9,332 Sh, 1,232 Lmba, 1,298 Sa, 3,300 Pw.
Clarks Pond—Bloomfield—500 Ypera, 2 Pica, 500 Cba, 25 Ca, 25,000 Sa, 1,100 Rta, 150 Bsa.
Cleveland Park Pond—Branch Brook Park—50 Bsa.
Notch Brook—Bloomfield—300 Bta.
Orange Park Lake—Branch Brook Park—80 Sh.
So. Mt. Reservation—South Orange—1,400 Bta, 1,900 Rta.
Verona Lake—Verona—3,000 Rta, 1,000 Smbfg, 225 Lmba, 3 Ca, 5 Sa.
West Side Park Pond—Branch Brook Park—150 Bsa.
#1 Pond—Branch Brook Park—80 Sh.
#3 Pond—Branch Brook Park—80 Sh.
#4 Pond—Branch Brook Park—80 Sh.
#6 Pond—Branch Brook Park—80 Sh.

GLOUCESTER COUNTY

Almonesson Lake—Almonesson—500 Rta, 200 Lmbfg.
Franklinville Lake—Franklinville—100 Lmbfg.
Gilman Lake—Ewan—750 Rta, 200 Lmbfg.
Hopkins Lake—Woodbury—100 Lmbfg.
Iona Lake—Iona—200 Lmbfg.
Malaga Lake—Clayton—100 Lmbfg.
Oberst Lake—Gibbsboro—500 Rta.
Swedesboro Lake—Swedesboro—200 Lmbfg.
Woodbury Heights Lake—Woodbury Heights—100 Lmbfg, 250 Rta.

HUDSON COUNTY

Hudson County Park Lake—North Bergen—2,000 Rta, 1,600 Ypera.

HUNTERDON COUNTY

Alexauken Creek—Mt. Airy—450 Bta.
Beaty Brook—Penwell—300 Bta, 800 Btfg.
Beaver Brook—Clinton—300 Bta.
Black Brook—Clinton Tract—1,050 Bta, 125 Brnta, 125 Rta.
Boulder Hill Brook—Boulder Hill—300 Bta.
Dairy Run—Changewater—800 Btfg.
Everittstown Brook—Everittstown—225 Bta.
Frenchtown Brook—Frenchtown—450 Bta.
Guinea Hollow Brook—Mountainville—300 Bta.
Jutland Brook—Grandin—400 Bta.
Lingerts Pond—Clinton—100 Bta, 550 Rta.
Little York Brook—Little York—650 Bta.
Lockatong Creek—Milltown—1,375 Bta, 325 Brnta.
Milford Brook—Milford—225 Bta.
Mt. Pleasant Brook—Mt. Pleasant—225 Bta.
Mulhockaway Creek—Clinton Tract—1,725 Bta, 875 Brnta, 875 Rta.
Musconetcong River—Penwell to Bloomsbury—6,775 Bta, 3,300 Brnta, 2,675 Rta.
Norton Brook—Norton—250 Bta.
Prescott Brook—Stanton Station—1,200 Bta.
Raritan River, South Branch—Lower Valley to Three Bridges—6,700 Bta, 7,625 Brnta, 11,200 Rta, 6,000 Smbfg, 7,000 Ypera.
Rockaway River, South Branch—Lebanon—800 Bta.
Rockaway River, North Branch—Mountainville—2,700 Bta.

Sally King Brook—Point Mt.—800 Btfg.
Saw Mill Brook—Mountainville—300 Bta.
Spruce Run—Pleasant Grove to Glen Gardner—2,200 Bta, 800 Btfg, 500
Brnta, 300 Rta.
Tetertown Brook—Tetertown—600 Bta, 800 Btfg.
Wickecheoke Run—Prallsville—925 Bta, 175 Brnta.

MERCER COUNTY

Assunpink Creek—Lawrence Station—800 Bta, 200 Rta.
Doctor's Creek—Allentown—500 Bta.
Etra Lake—Etra—1,000 Lmbfg.
Gropps Lake—Whitehorse—1,000 Lmbfg.
Peddie Lake—Hightstown—1,000 Lmbfg.
Stoney Brook—Woodsville—2,500 Bta, 500 Brnta.

MIDDLESEX COUNTY

Brainerd's Brook—Cranbury—200 Bta.
Farrington Lake—Near New Brunswick—5,000 Lmbfg.
Jamesburg Lake—Jamesburg—2,000 Lmbfg.
Lawrence Brook—Milltown—300 Bta.
Manalapan River—Jamesburg—250 Bta.
Matchponix Brook—Spotswood—2,900 Bta.
Mill Pond—Bonhampton—200 Bta.
Mill Brook—Bonhampton—50 Bta.
Plainsboro Lake—Plainsboro—900 Lmbfg.
Roosevelt Park Lake—Metuchen—2,900 Rta.
Spotswood Lake—Spotswood—1,500 Lmbfg.
Victor Crewell Memorial Lake—Middlesex Borough—400 Ypera, 400 Sa.
Weston's Mill Lake—Near New Brunswick—2,000 Lmbfg.

MONMOUTH COUNTY

Allentown Pond—Allentown—5,000 Ypera, 232 Lmba, 40 Ca, 3 Pica, 2,000
Sh.
Como Lake—Como—1,500 Lmbfg.
Franklin Park Lake—West Long Branch—200 Rta.
Garvey's Lake—Navesink—550 Rta.
Hop Brook—Holmdel—400 Bta, 150 Brnta, 150 Rta.
Hockhocksens Brook—Milhurst—300 Bta.
Imlaystown Lake—Imlaystown—1,000 Lmbfg.
Manalapan River—Milhurst—200 Bta.
Manasquan River—Adelphia—850 Bta, 2,600 Brnta, 850 Rta.
Manassie Brook—Farmingdale—50 Bta.
Marsh Bog Brook—Squankum—50 Bta.
Matchponix Brook—Englishtown—200 Bta.
Metedeconk River—North Branch—Georgia—950 Bta, 250 Brnta.
Millstone River—Manalapan—50 Brnta, 50 Rta.
Mine Brook—Colts Neck—200 Bta.
Mingamahone Brook—Farmingdale—300 Bta, 150 Brnta, 50 Rta.
Nicholas Pond—Allaire—50 Brnta, 250 Rta.
Old Mill Pond—Villa Park—100 Brnta, 350 Rta, 500 Lmbfg.
Osborne's Pond—Baileys Corner—100 Brnta, 350 Rta, 1,000 Lmbfg.
Pine Brook—Pine Brook—300 Bta.
Ramanessen Brook—Holmdel—50 Brnta, 50 Rta.
Shadow Lake—Red Bank—900 Rta.
Shark River—Hamilton—700 Bta, 100 Brnta, 100 Rta.
Spring Lake—Spring Lake—1,100 Rta, 2,000 Smbfg.

Squankum Brook—Squankum—50 Bta.
Sunrise Lake—Red Bank—450 Rta.
Topenemus Lake—Freehold—600 Rta, 2,000 Lmbfg.
Wreck Pond, North Branch—Hurley's Mills—150 Bta, 25 Brnta, 25 Rta.
Wreck Pond, South Branch—Glendola—150 Bta, 25 Brnta, 25 Rta.
Yellow Brook—Colts Neck—400 Bta, 300 Brnta, 300 Rta.

MORRIS COUNTY

Beaver Brook—Rockaway—1,625 Bta, 250 Brnta, 131 Rta.
Black River—Milltown—1,400 Bta, 1,150 Brnta, 750 Rta.
Budd Lake—Budd Lake—140 Smba, 7,500 Smbfg, 148 Ca, 10,000 Pw, 9,238
Ypera, 285 Lmba, 2,200 Sa, 52 Pica.
Bungalow Brook—Schooley's Mt.—300 Bta.
Burnett Brook—Ralston—250 Bta.
Burnham Park Lake—Morristown—500 Rta, 500 Smbfg, 1,050 Sa.
Cook's Pond—Denville—1,500 Smbfg, 900 Ypera.
Crooked Brook—Montville—300 Bta.
Crystal Lake—Chester—1,100 Rta.
Den Brook—Union Hill—600 Bta, 1,000 Btfg.
Durham Pond—Rockaway Township—17 Lmba, 30 Smba, 170 Bsa, 65
Ypera.
Electric Brook—Schooley's Mt.—400 Bta.
Estling Lake—Denville—5,000 Bsf, 2,000 Pw.
Fayson Lake—Taylortown—98 Lmba, 587 Ypera, 588 Sa, 8 Pica.
Flanders Brook—Flanders—300 Bta.
Green Pond—Newfoundland—2,800 Rta, 40 Smba, 5,050 Smbfg, 2,500 Bsf,
127 Lmba, 650 Ypera, 30 Ca, 650 Sa, 19 Pica.
Hacklebarney Pond—Hacklebarney—250 Lmbfg, 1,000 Smbfg, 400 Bsf,
1,600 Ypera.
Hibernia Brook—Hibernia—300 Bta.
Hillery's Pond—Boonton—2,300 Ypera.
Hopatcong Lake—Lake Hopatcong—1,788 Ypera, 97 Lmba, 587 Sa, 9 Pica,
25 Smba, 2,500 Smbfg.
Indian Brook—Mendham—900 Bta.
Jockey Hollow Brook—Jockey Hollow—300 Rta.
Kikeout Brook—Butler—1,700 Bta, 250 Brnta.
Ledgewood Brook—Ledgewood—600 Bta, 1,000 Btfg.
Longwood Lake—Longwood—40 Smba, 2,050 Smbfg, 2,500 Bsf.
Malapardis Brook—Malapardis—250 Bta.
Meriden Brook—Meriden—300 Bta.
Mill Brook—Centre Grove—600 Bta, 1,000 Btfg.
Mill Pond—Wharton—900 Ypera.
Mt. Hope Pond—Mt. Hope—1,800 Ypera, 2,220 Rta, 1,000 Smbfg.
Mt. Tabor Brook—Mt. Tabor—450 Bta.
Musconetcong Lake—Netcong—50 Lmbfg, 109 Lmba, 2,700 Ca, 300 Smba,
1,700 Sa, 5,000 Smbfg, 6,300 Bsf, 500 Cba, 1,000 Pw, 1,575 Sh, 500
Wpera, 55 Pica.
Musconetcong River—Guard Lock to Penwell—5,750 Bta, 3,475 Brnta, 3,875
Rta.
New Vernon Lake—New Vernon—875 Ypera, 875 Sh.
Pequannock River—Charlottsburg—900 Brnta.
Primrose Brook—Morristown—300 Bta.
Raritan River, South Branch—Y. M. C. A. Camp to Middle Valley—6,700
Bta, 5,000 Brnta, 3,750 Rta.
Reservoir Brook—Brookside—300 Bta.
Rockaway River—Milton to Boonton—11,600 Bta, 6,150 Brnta, 5,850 Rta,
1,300 Ypera, 400 Sa.
Saw Mill Brook—Pequannock—450 Bta.
Speedwell Lake—Morristown—800 Rta, 150 Ca, 750 Lmbfg, 1,000 Sa, 1,000
Sh, 2,000 Smbfg, 1,100 Bsf, 1,000 Ypera.

Spring Brook—Pompton Plains—150 Bta.
Stevens Brook—Berkshire—500 Btfg.
Stickle Brook—Rockaway—300 Bta.
Stirling Pond—Stirling—1,400 Rta.
Stoney Brook—Montville—300 Bta.
Sunset Lake—Boonton—26 Lmba, 1,000 Ypera, 200 Sa, 11 Pica, 100 Sh.
Towaco Brook—Towaco—475 Bta, 131 Rta.
Troy Brook—Parsippany—300 Bta.
Turkey Brook—Mt. Olive—300 Bta.
Washington Valley Brook—Morristown—850 Bta, 250 Brnta.
Wills Brook—Mt. Olive Township—250 Bta.

OCEAN COUNTY

Barnegat Pine Lake—Forked River—375 Lmbfg.
Carasaljo Lake—Lakewood—500 Lmbfg.
Colliers Mill Lake—Colliers Mill—250 Lmbfg.
Crystal Lake—Pinewald—1,000 Rta.
Deerhead Lake—Forked River—375 Lmbfg.
Horican Lake—Lakehurst—375 Lmbfg.
Jackson Mills Lake—Jackson Mills—250 Lmbfg.
Metedeconk River, North Branch—Lakewood—250 Bta, 250 Rta.
Metedeconk River, South Branch—Lakewood—250 Bta, 250 Rta.
Quail Farm Pond—Holmansville—125 Lmbfg.
Tuckerton Lake—Tuckerton—1,000 Lmbfg.
Toms River, North Branch—Holmsville—1,200 Bta, 350 Brnta.

PASSAIC COUNTY

Belcher's Creek—West Milford—250 Bta.
Cooley's Brook—Hewitt—250 Bta.
Great Notch Reservoir—Great Notch—16 Lmba, 75 Misc.
Greenwood Lake—Hewitt—15 Lmba, 18 Smba, 7 Pica, 4,500 Smbfg.
Gregory's Pond—Clifton—500 Ypera.
Goffles Pond—Hawthorne—500 Rta.
High Mt. Brook—Midvale—500 Bta.
Hughes Lake—Passaic—1,000 Ypera.
Lindy Lake—Macopin—1,500 Smbfg, 144 Lmba, 2,987 Ypera, 1,188 Sa, 55 Cba, 1,800 Sh, 9 Pica.
Memorial Lake—Clifton—500 Ypera.
Nosenzo Lake—Macopin—1,200 Ypera, 250 Rta, 2,000 Smbfg.
Oldham Pond—North Haledon—500 Rta, 60 Lmba, 1,900 Ypera, 1,200 Sa.
Pine Lake—Pompton—(In exchange)—238 Lmba, 1,362 Ypera, 1,362 Sa, 12 Pica.
Pompton Lakes—Pompton Lakes—400 Sh, 501 Lmba, 8,350 Ypera, 3,350 Sa, 102 Pica, 200 Cba, 26 Smba, 2,000 Smbfg.
Pompton River—Pompton Lakes—2,125 Bta, 1,625 Brnta, 2,200 Rta.
Pequannock River—Smith Mills—1,950 Bta, 450 Rta.
Ringwood Brook—Ringwood—500 Bta.
Singac Brook—Mt. View—250 Bta, 100 Brnta, 350 Rta.
Twin Lakes—Near Pompton—1,000 Smbfg, 4,500 Ypera.
Wanaque River—Pompton Lakes—3,450 Bta, 1,400 Brnta, 1,950 Rta.
West Brook—Macopin—250 Bta.

SALEM COUNTY

Alloway Lake—Alloway—25 Lmba, 500 Ypera, 150 Ca, 200 Lmbfg, 1,000 Sa, 750 Wpera, 2,000 Cba, 1,500 Sh.
Avis Lake—Richmontown—100 Lmbfg.

Ballingers Mill Lake—Aldine—100 Lmbfg.
 Camp Edge Lake—Alloway—100 Lmbfg.
 Camp Roosevelt Lake—Aldine—100 Lmbfg.
 Cocked Hat Pond—Alloway—1,000 Rta.
 Deepwater Canal—Deepwater—200 Lmbfg.
 Elmer Lake—Elmer—100 Lmbfg.
 Hancock Sand Wash Pond—Salem—75 Lmba, 400 Ypera, 90 Ca, 100 Sa,
 1,500 Wpera, 1,000 M, 150 Cba.
 Parvin Lake—Elmer—100 Lmbfg.
 Penns Grove Sand Wash Pond—Penns Grove—900 Rta.
 Rainbow Lake—Near Norma—17 Lmba, 93 Ypera, 41 Ca, 1,300 Cba, 500
 Sh.
 Willow Grove Lake—Willow Grove—100 Lmbfg.
 Woodstown Lake—Woodstown—100 Lmbfg.

SOMERSET COUNTY

Bunn's Pond—Bernardsville—5,000 Bsf, 2,000 Pw.
 Green Brook—North Plainfield—300 Bta.
 Harrison Brook—Liberty Corner—450 Bta, 150 Brnta.
 Indian Graves Brook—Bernardsville—300 Bta.
 Lamington River—Burnt Mills—600 Bta.
 Lindaberry's Pond—Bernardsville—780 Ypera.
 Middle Brook—Mountainside—600 Bta.
 Passaic River—Millington—1,500 Bta, 550 Brnta, 250 Rta.
 Peapack Brook—Peapack—600 Bta.
 Peters Brook—Somerville—300 Bta.
 Raritan River, North Branch—Far Hills—3,400 Bta, 1,250 Brnta, 250 Rta.
 Raritan River, South Branch—Neshanic Station—850 Bta, 250 Brnta, 6,000
 Smbfg.
 Stoney Brook—Watchung—300 Bta.

SUSSEX COUNTY

Alms House Brook—Myrtle Grove—375 Bta, 50 Brnta.
 Andover Jc. Brook—Andover Jc.—1,350 Bta, 525 Brnta, 850 Rta.
 Abel Pond—Andover—96 Lmba, 588 Ypera, 587 Sa, 8 Pica.
 Bear Pond—Lake Hopatcong—50 Smba, 3,800 Smbfg.
 Beaver Run Brook—Beaver Run—500 Bta.
 Bierskill Brook—Hainesville—150 Rta.
 Big Flat Brook, Upper—High Point Park—6,550 Bta, 1,000 Btfg, 250 Brnta,
 600 Rta.
 Big Flat Brook, Lower—Haney's Mills—8,730 Bta, 8,500 Brnta, 7,370 Rta.
 Black Brook—Beaver Lake—450 Bta.
 Clove Brook—Sussex—3,600 Bta.
 Cranberry Lake—Cranberry Lake—4,000 Smbfg, 186 Lmba, 1,038 Ypera,
 1,037 Sa, 6 Pica.
 Culvers Lake—Culvers Lake—25 Smba, 6,500 Smbfg, 367 Lmba, 4,875
 Ypera, 2,750 Cba, 2,125 Sa, 38 Pica.
 Culvers Lake Brook—Culvers Lake—300 Bta.
 Dragon Brook—Cranberry Lake—950 Bta.
 Dark Moon Brook—Johnsonburg—250 Bta.
 Fairview Lake—Near Hardwick—25 Smba, 1,500 Smbfg, 2,500 Ypera.
 Gardners Lake—Andover—1,200 Smbfg.
 Grinnell Lake—Monroe—167 Lmba, 1,500 Ypera, 1,500 Sa, 36 Pica, 1,700
 Smbfg.
 Hendershot Brook—Huntsville—800 Btfg.
 Hendershot Pond—Huntsville—600 Brntfg.
 Hopatcong Lake—Lake Hopatcong—65 Smba, 7,500 Smbfg, 68 Lmba, 550
 Ypera, 550 Sa, 21 Pica.

Iliff Lake—Andover Jc.—1,000 Smbfg, 500 Bsfg.
 Kemah Lake—Halsey—2,500 Smbfg.
 Kittatinny Lake—Near Culvers—100 Pw, 45 Sh.
 Kymers Brook—Andover—300 Bta, 800 Btfg, 25 Rta.
 Lackawanna Lake—Andover—3,000 Lmbfg, 87 Lmba, 425 Ypera, 425 Sa,
 19 Pica.
 Lenape Lake—Andover—194 Lmba, 1,000 Ypera, 900 Sa, 14 Pica, 2,000
 Smbfg.
 Little Flat Brook—Layton—1,200 Bta, 1,150 Brnta, 1,850 Rta.
 Lone Pine Lake—Flatbrookville—3,000 Bsa, 8,250 Bsfg, 2,500 Ypera, 2,000
 Pw.
 Lubbers Run—Cranberry Lake—1,750 Bta, 500 Rta.
 Madeline Mulford Lake—Stokes State Forest—4,000 Btfg, 303 Rta.
 Margerum Brook—Stockholm—150 Bta.
 Morris Pond—Fredon—300 Rta.
 Musconetcong Lake—Stanhope—50 Lmbfg, 40 Smba, 2,000 Bsfg, 1,000 Pw.
 Musconetcong River—Fountain to Forbe's—3,450 Bta, 1,650 Brnta, 1,180
 Rta.
 Neldon Brook—Above Swartswood—300 Bta.
 New Wawayanda Lake—Andover—1,000 Smbfg, 500 Bsfg.
 Ocquittunk Lake—Stokes State Forest—1,067 Rta.
 Owassa Lake—Near Culvers Lake—50 Smba, 6,750 Smbfg.
 Pacock Brook—Stockholm—50 Bta.
 Papakating Creek—Sussex—700 Bta.
 Papakating Creek, West Branch—Sussex—300 Bta.
 Parker Brook—Stokes State Forest—400 Bta.
 Paulinskill River—Lafayette to Stillwater—3,375 Bta, 3,925 Brnta, 4,325
 Rta.
 Pequest River—Brighton to Springdale—1,426 Bta, 800 Btfg, 1,025 Brnta,
 1,450 Rta.
 Pond Brook—Middleville—550 Bta, 50 Brnta, 50 Rta.
 Quarry Brook—Quarryville—100 Bta.
 Quicks Pond—North of Swartswood—1,500 Smbfg.
 Roy's Spring Brook—Stillwater—300 Bta.
 Saw Mill Brook—High Point Park—600 Bta.
 Saw Mill Lake—High Point Park—3,000 Btfg, 2,800 Rta.
 Shay Lake—Stokes State Forest—1,250 Smbfg.
 Shimers Brook—Montague Township—600 Bta.
 Skellinger's Lake—Stokes State Forest—6,000 Btfg, 1,065 Rta.
 Sparta Glen Brook—Sparta—750 Bta.
 Sparta Jc. Brook—Sparta Jc.—200 Bta, 75 Brnta, 175 Rta.
 Swartswood Lake—Swartswood Lake—6,000 Smbfg, 232 Lmba, 2,100
 Ypera, 2,100 Sa, 46 Pica.
 Tar Hill Brook—Tar Hill—300 Bta, 800 Btfg.
 Tillman Brook—Wallpack—50 Bta.
 Trout Brook—Above Tranquility—300 Bta, 800 Btfg.
 Tuttle's Corner Brook—Tuttle's Corner—300 Bta.
 Wallkill River—Sparta—2,400 Bta, 875 Brnta, 875 Rta.

UNION COUNTY

American Felt Company Lake—Clark Township—400 Smbfg.
 Briant's Pond—Summit—500 Smbfg, 1,700 Ypera.
 Cedar Brook Park Lake—Plainfield—800 Ypera, 300 Smbfg.
 Echo Lake, Upper—Mountainside—400 Smbfg, 800 Ypera.
 Echo Lake, Lower—Mountainside—400 Smbfg, 800 Ypera.
 Green Brook—Scotch Plains—250 Bta.
 Jackson's Pond—Rahway—400 Smbfg.
 Kenilworth Lake—Kenilworth—200 Smbfg.
 Milton Lake—Rahway—300 Smbfg.
 Mindowaskin Lake—Westfield—200 Smbfg.

Nomahegan Lake—Cranford—200 Smbfg.
Rahway Park Lake—Rahway—400 Smbfg.
Rahway River—Springfield—2,350 Bta, 950 Brnta, 2,450 Rta.
Seeley's Pond—Scotch Plains—400 Smbfg, 800 Ypera.
Spring Lake—South Plainfield—400 Ypera, 400 Sa.
Surprise Lake—Mountainside—500 Smbfg, 1,700 Ypera.
Warinanco Lake—Roselle—400 Smba, 800 Ypera.

WARREN COUNTY

Atkins Run—Hope—600 Btfg.
Barkers Brook—Vienna—250 Bta.
Bear Creek—Johnsonburg—600 Bta.
Beaver Brook—Hope—1,400 Bta, 900 Brnta, 850 Rta.
Blairs Creek—Blairstown—1,500 Bta, 650 Btfg.
Buckaloo Swamp Brook—Hope—300 Bta.
Catfish Pond—Blairstown—1,000 Smbfg.
Cedar Lake—Blairstown—700 Ypera.
Columbia Pond—Columbia—2,000 Ypera, 2,000 Smbfg.
Dark Moon Brook—Johnsonburg—300 Bta, 600 Btfg.
Delawanna Brook—Delaware—300 Bta.
Delaware River—Buckwood to Copper Mine—3,000 Smbfg.
Ebenezer Brook—Ebenezer—150 Bta.
Furnace Brook—Oxford—783 Bta, 150 Brnta.
Guard Lock—Saxton Falls—5,000 Pw, 36 Lmba, 700 Ypera, 700 Sa, 11 Pica.
Ingersoll Dam—Lows Hollow—1,500 Smbfg, 500 Bsfg.
Jacksonburg Creek—Jacksonburg—1,500 Bta, 600 Ptfg.
Lomison's Glen Brook—Lomison's Glen—783 Bta, 150 Brnta.
Lopatcong Creek—Harmony—759 Bta, 125 Brnta.
Mt. Lake—Buttville—90 Smba, 2,350 Smbfg, 1,000 Bsfg, 7,575 Ypera, 50 Sh, 139 Lmba, 1,375 Sa, 52 Pica.
Musconetcong River—Guard Lock to Penwell—12,525 Bta, 6,775 Brnta, 6,550 Rta.
Paulinskill River—Stillwater to Paulina—4,550 Bta, 5,400 Brnta, 7,950 Rta.
Pequest River—Townsbury to Belvidere—8,900 Bta, 4,600 Brnta, 5,150 Rta.
Pohatcong Creek—Mt. Bethel—5,975 Bta, 2,025 Brnta, 1,950 Rta.
Silver Lake—Hope—4,000 Ypera, 1,600 Rta, 1,000 Smbfg.
Susquehanna Lake—Blairstown—1,500 Rta, 1,000 Smbfg.
Trout Brook—Hope—300 Bta.
Van Campens Brook—Millbrook—1,900 Bta.
Wasigan Brook—Ebenezer—150 Bta.
White Lake—Marksboro—1,925 Rta, 35 Smba, 2,000 Smbfg.
Yards Creek—Hainesburg—600 Bta, 650 Btfg.

