

# INTER DEPARTMENTAL COMMUNICATION

(PLEASE CONFINE TO ONE SUBJECT)

STATE CONSERVATION COMMISSION - DES MOINES, IOWA

TO Employees DATE May 15, 1942  
FROM F. T. Schwob, Office  
SUBJECT: Reappraisal of Iowa Twenty-Five Year Plan

Dear Employees:

The Commission has requested a study and reappraisal of the Twenty-Five Year Conservation Plan. This is a very commendable action in view of the facts as they are today. Great strides of progress have been made since 1933.

The extensive post-war relief period following World War I has come to a close. We are in a lull period of public works, and may expect a general tightening of the belt on many ordinary functions of government.

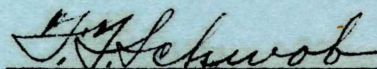
The Twenty-Five Year Plan was very timely as a guide to the works program which resulted from the Depression Period. It is our anticipation that a revised study of the entire conservation program in Iowa will find us better prepared for the post-war emergency which seems probable after the present conflict. Experience has taught us that our Government acts quickly under emergencies, and he who is prepared for expansions of governmental functions accomplishes the most.

To the end that we may reappraise our plans and the program, we are seeking the assistance of the entire staff in the making of this study. During the period of years that the Twenty-Five Year Plan has been in force we have selected and trained a staff of which we are now justly proud.

It is with considerable confidence that we now seek your assistance, and each of you is to make your immediate contribution in the form of a report. We want you to express your candid opinions and ideas that have accrued to you as you have carried out your part of the conservation program. As a guide to this report, we are enclosing an outline, the form of which we wish you to follow. Some items of the outline may be outside your particular field of work, but you are to express yourself on all phases on which you have opinions and ideas. This outline is not sent as a deterrent to any additional information or opinions which you may have regarding the entire programs, setup, policies, functions, etc., as related to conservation in Iowa.

I cannot over-emphasize the importance of this reappraisal. It demands your prompt and careful attention. Prepare this report and return it to the Des Moines Office not later than MAY 27TH.

Yours very truly,



State Conservation Director

FTS:VA  
Encl.

NO REPLY NECESSARY ☐

PLEASE REPLY ☐

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SUGGESTED OUTLINE FOR REAPPRAISAL OF IOWA TWENTY-FIVE YEAR  
CONSERVATION PLAN

1942

1. Broad Policy - (All phases of conservation as expressed in Twenty-five Year Plan--Collective actions of the Commission over the years since the adoption of that plan--etc.)
2. Organization - (Refer to your organization chart concerning organization setup, Commission, staff, etc.)
3. Personnel - (Method used in selecting personnel, advancement, in service training, etc.)
4. Administration - (Administration and supervision of Commission programs and personnel)
5. Techniques -

A. Division of Lands and Waters

(a) Local Management

- (1) Rentals - (shelter, lodge, cabins, etc.)
- (2) Camping facilities for organized groups
- (3) Equipment and supplies
- (4) Park activity guidance
- (5) Concessions
- (6) What people ask for
- (7) Type of use to be encouraged

(b) Forests

- (1) Production and distribution of plants
- (2) Present method of handling of state forest areas
- (3) Cooperation with private land owners

(c) Sand, Gravel and Ice Removal

B. Division of Administration

(a) Finance and Records

- (1) Expenditures - (Purchasing methods; method of filing and payment of claims; expense accounts)
- (2) Receipts - (Licenses, reports, depositaries, method of accounting; miscellaneous receipts reports)

- (3) Budgets
- (4) Inventories
- (5) Interdepartmental communications and information
- (6) Miscellaneous reports - (Enforcement, summons, bird banding, etc.)

(b) Education and Information

- (1) Publicity - (News releases; monthly bulletin)
- (2) Public Instruction - (Materials and personnel)
- (3) Public Relations - (Personal attitude of employees and attitude of public)

(c) Technical Service

- (1) Engineering - (Surveys, designs and plans)

C. Division of Fish and Game

(a) Fish

- (1) Fish propagation - (Artificial and natural)
- (2) Fish stocking
- (3) Rescue operations - (Mississippi River and inland)
- (4) Coarse fish control
- (5) Improvement (Streams, lakes, artificial lakes)
- (6) Surveys and investigations
- (7) Commercial fisheries - (Gear, species, etc.)
- (8) Fish population studies
- (9) Fresh water mussels

(b) Game

- (1) State Game Farm
- (2) System of rearing and releasing game bird chicks to cooperating groups - (Application forms; distribution to cooperators; feed supplied to cooperators; required equipment; recommended rearing method; releasing to the wild; selection and improvement of release areas; posting of release areas)
- (3) Game management on land and water areas - (Public, private)
- (4) Wildlife refuges
- (5) Public shooting grounds
- (6) Census - (Upland game birds; migratory waterfowl; mammals)

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- (7) Control - (Predatory birds and mammals)
- (8) Conservation Commission fish and game restoration program
- (9) Pittman-Robertson program

6. Research Program

7. Existing state land and water holdings, leased areas, etc.  
(List by Counties)

- A. Desirable expansion,      Where?      Why?
- B. Maintenance
- C. Desirable facilities
- D. Management
- E. Use
- F. Desirable work projects - (Development and construction)

8. Recommended new acquisitions (List by Counties)

- A. Type - (State park, recreation reserve, lake reserve, state forest, historic monument, wayside parkway, artificial lake, stream, wildlife refuge, public shooting ground, public access, public fishing area, etc.)
- B. Location - (Section, Range, Twp.)
- C. Approximate area
- D. Brief description

9. Land and water uses - (Pollution, erosion and control; drainage, flood control, hydro-electric power development, lake and marsh restoration, stream flow regulation, fishway, dam, outstanding farm pond, etc.)

10. Conservation Laws and Proposed Legislation

11. Cooperation - (Federal and other agencies)

E. B. Speaker  
REAPPRAISAL OF IOWA 25 YEAR PLAN 1942

The following suggestions in the reappraisal of the Iowa 25 Year Conservation Plan are hereby respectfully submitted:

It is my understanding that the desire of the Commission is to receive unbiased opinions from the members of the staff on the various policies, divisions, and departments. The suggestions outlined herein are my own private opinions and are submitted for whatever value they may be worth.

1. Broad Policy -- It is my opinion that the twenty-five year conservation plan was originally intended to serve as a guide for a general Conservation Program in the State of Iowa. At that time, two subsidiaries of state government were established, namely, the Board of Conservation and the Fish and Game Commission to provide public recreation and to conserve the natural resources of this commonwealth. The broad policies covered in this original Twenty-five Year Plan were exceptionally meritorious and reveal a tremendous opportunity for these state agencies to mutually contribute not only to the public recreation of the commonwealth, but to the conservation and preservation of all of the natural resources. As soon as the Twenty-five Year Plan was adopted, the board of Conservation and the Fish and Game Commission was merged into one great organization known as the Iowa Conservation Commission. Obviously, the consolidation of these two agencies called for a combined personnel to continue the recommendations and proposals as outlined in the Twenty-five Year Conservation Plan. I am of the opinion that the original plan was the most complete and comprehensive of any in the nation at that time. The programs outlined here aided and abetted by many governmental agencies which grew to tremendous proportions during the Depression Period. Many of the nation's departments offered assistance through a score or more of federal agencies which greatly stimulated the activeness of the programs. Conservatively speaking, some of the proposals in the Twenty-five Year Plan were advanced at least fifteen years in this span of time. Artificial lakes were constructed at vantage points to serve the public needs, soil conservation measures were enacted and put into practice. Water control measures were enacted, forest preserves were inaugurated together with other land conservation plans. A definite program was established, the fisheries program was tremendously expanded and in short, the Conservation Program grew by leaps and bounds. Because of the fact that many of the recommendations in the original plan have already been completed and because the Commission is constantly forced to render collective action covering new Conservation measures, it is believed that it is their desire to inflat the former plan and to incorporate many projects which were not originally planned for or considered. I believe the Commission has done an exceptionally fine job in handling situations that arise and that their broad policies adopted since the Twenty-five Year Plan should be recognized as timely and well-qualified.
2. Organization -- Organization of the present Conservation Commission is generally excellent and with but few changes nothing more could be suggested. I strongly favor the commission type of administration, because a larger body can deal with problems of state more successfully than a

single head. I was fortunate enough to have been employed under the late W. E. Albert, competent State Game Warden of Iowa. Mr. Albert had broad vision on Conservation subjects and was one of the finest men I ever knew. To have known Mr. Albert and to have worked for him under the trying hardships and political handicaps would behoove one to wonder in amazement how he could have accomplished as much as he did. It was necessary for him as a single individual to shoulder the entire responsibility not only of his problems, but also of the various sportsmen's whims throughout the State. Political leaders used their force in trying to extract selfish desires for their constituents, and since the appointment was of a singular political nature, it was extremely difficult for the State Warden to object to policies and programs which he knew were unsound. Even though the pressure was tremendous at all times, Mr. Albert endeavored to be fair with the sportsmen and to keep peace with everyone concerned. Under the present system, it is much easier for a body/parliamentary minded, well-trained men to meet these difficult situations as they arise. They are also located at various points throughout Iowa which has a tendency to make the people in the various communities feel that they are personally represented. I have no criticism to make of our present system of administration.

- (A. - Lands and Waters -- I am not personally well enough acquainted with the Lands and Waters Division to make comment on its organization. I believe it is going forward under good leadership.
- B. Administration -- The administration division is well organized and in competent hands. The system of auditing, bookkeeping and many departments of licenses, etc., I believe, to be one of the finest in the nation that I know of. The only criticism I would offer is that that the Administration Department be given an absolute free hand to select its employees so that well-qualified, competent people could represent its division.
- C. Fish and Game -- There is little criticism to offer concerning the organization of the Fish and Game Division. The only suggestion that I would have to make is that the organization be expanded. Since most of these will be covered later, I will hold them in abeyance until that time. Suffice here to say that I am of the opinion there should be three departments under the Fish and Game Division, namely, the Department of Game, Department of Fish, and the Department of Enforcement.
- D. Fisheries -- I am perhaps more qualified to talk about the Fisheries Department than other organizations. I would respectfully offer the following suggestions: If and when money is available for the development of such program, I believe the Fisheries Department is quite well-organized at the present time, but could be more intensively developed. There should be Superintendent of Fisheries who is directly responsible for district or area supervisor. These areas

have already been established and competent men have been selected to fill these positions. In addition to the area supervisor, there is a supervisor of coarse fish removal. There is also a supervisor for the Mississippi River who has the combined duties of supervising the Lake and Stream Improvement state-wide. I am of the opinion that as the program grows, it will be necessary to place one man in charge of the state-wide lake and stream improvement program with no additional duties. There should, however, be a competent man left in charge of the Mississippi River Operations. We should also have a man in charge of similar operations on the Missouri River. The Missouri River in the past has been sadly neglected from a fish management standpoint since the only management it has received is in the way of law enforcement control. It is a great river of potential value and while it will not require the personnel that is required on the Mississippi, it should receive its proportionate share. In addition to the supervisors just mentioned, we should employ a competent biologist in the 5 fisheries regions to carry out research work pertinent to those particular areas. I believe if this were accomplished the fisheries program would have a sounder foundation and the accomplishments would be much greater than they are today.

3. Personnel -- There is much room for improvement for the selection of the personnel in some of the branches of the Conservation Commission. The method of selection of Conservation Officers in the Lands and Waters and Fish and Game Divisions is above reproach. A similar system should be inaugurated immediately for the selection of fisheries personnel. Fisheries employees should be selected by examination the same as the Conservation Officers and a definite scale of salary should be affixed for the work. To my knowledge, there is no select method of advancement for the personnel. Personnel are usually chosen from those employed in the Department on a merit system of some kind or another, but in my opinion there should be a definite method for this advancement. I would not particularly favor advancement of personnel through years of service although I believe that their years of service should be considered in their advancement. They should be advanced on a merit system which is publically defined. I say this because I am sure it would give all of the men initiative to work toward advancement. If this were true, the "in service training" of the Fish and Game Department is far too short to be of much value to the newly selected employees. I believe that employees of this division should be given an "in service training" course of not less than two or three weeks under good leadership. This course should be intensive enough to permit these men to go into the field at least properly prepared to carry out their duties.

4. Administration -- I believe the administration of the Conservation Commission is in general very good. I am of the opinion, however, that closer supervision of departments and individuals would be of considerable benefit when an individual is working on a program which dependent on his own initiative, he is often apt to fall into a rut unknowingly and unwittingly. I believe that closer supervision would do much to correct this situation. The district meetings, small collective groups of individuals and even state wide training schools are very carefully worked out so that the maximum benefit could be derived therefrom. Frequent meetings should be arranged between three or four or even a dozen conservation employees so that they will understand each others problems and work toward a common end.

5. Techniques

A. Division of Lands and Waters

(a) Local Management

- (1) Rentals -- The system now used in the rental of cabins within State Park Areas is excellent. The only suggestion that I would have here is that cabins be expanded in the areas where they are needed. A system of renting lodges does not appear to me to be too satisfactory although it would probably be difficult to manage otherwise. Shelters, I believe, should be opened to the public at all times and for all purposes which are legitimate within the State Parks. In other words, I am of the opinion that people should be permitted to eat their picnic lunches or call their social gatherings in these shelter houses particularly in case of disagreeable weather. It is possible that this could not be arranged here but it seems that the shelters could be used much more freely than they are at the present time.
- (2) Camping Facilities -- The only comment here would be that the facilities be expanded in the areas where the Lands and Waters feel there is the greatest need.
- (3) Equipment and Supplies -- To my knowledge, most of the parks are well equipped with facilities. Personally when I go to a State Park for recreation I like to take my family and I find every convenience for the adult with absolutely nothing for the children. In most areas, the Lands and Waters Department and the Commission will disagree with me completely,



I am sure, but nevertheless, I am going to express a private opinion that I believe some modest form of child recreations should be provided. This would not have to be as elaborate as a city park, but after all, one of the primary purposes of visiting the parks is for the entertainment and enjoyment of the children, and I think that some form of child recreation should be provided. Thousands of people visit our State Parks annually for the two-fold purpose of fishing and picnicing. Although invariably the male members of the family will spend their entire time in a boat fishing and the women will spend their entire time looking after the children and trying to make simple amusement for them. I wish some form of recreation could be provided for the children. I am sure that it would be appreciated by the park visitors.

- (4) Part Activity Guidance -- The only comment on this point would be perhaps that more emphasis on nature studies, etc., would be invited.
- (5) Concessions -- I am of the opinion legislation should be enacted to give the Conservation Commission authority to provide its own concession in the State Park Area. This could either be done under a state wide system of leasing or actual operation by Departmental employees.
- (6) What people ask for -- It is my experience that most of the conveniences people ask for have been provided by the Commission with the exception of the children's entertainment, which I mentioned before. I believe the parks are well managed and every advantage is taken of the scenic and natural beauty of the areas.
- (7) Type of use to be encouraged -- This depends upon the people of the commonwealth. I do not think that our parks should be commercialized with dance halls, beer gardens, skating rinks and other commercial devices which undoubtedly would draw a large number of people but I believe that they should be kept as nearly as possible in pristine order. In other words, I believe that the parks should be large enough to supply natural unadulterated beauty for those who are desirous of this type of outdoor recreation and should also be furnished in certain locations with facilities for those who desire to picnic, etc., without walking great distances. I am not in sympathy with the attitude that if people want to picnic "let 'em walk". This is all right for able-bodied persons, but there are scores of older people and less fortunate crippled people who are not able to walk long distances. I think that generally the Lands and Waters Department had taken this into consideration and has provided close to the parking areas for these people and in most areas they had also placed facilities of this kind at vantage points, or beautiful vistas which can be enjoyed by those who are desirous of getting further away from the "maddening crowds". Generally speaking, there is little room for criticism to my knowledge in this Department.

(b) Forests

- (1) Production and Distribution of Plants -- I believe that the State Nursery facilities should be used entirely on state owned areas and that we should not compete with private enterprise in producing trees for any purpose except to control soil erosion and to increase wild farm game.
  - (2) Present method of handling state forest areas -- It is my opinion that a larger force is required to adequately handle the present forest areas. It is virtually impossible with the limited supervision we now have to manage crops of timber on our State forest areas. These forest areas should be managed the same as our game and fish areas and forests should be handled the same as crops.
  - (3) Cooperation with Private land owners -- I feel that the Commission should cooperate wherever possible with private land owners in establishing forest crops if state owned material is used. However, I think they should be confined to soil erosion and game management plannings. I do feel that we should cooperate wherever possible with private land owners in giving them advise as to the type of trees, etc., for sound practices because all of these things will increase our upland game crops.
- (c) Sand, Gravel and Ice Removal -- I have no comment to make on this subject because I feel that it is handled in the best possible way.

B. Division of Administration.

(a) Finance and Records

- (1) Expenditures -- I can not see any method of improving on the present system of expenditures.
- (2) & (3) Receipts, finance records, accounting, etc., The only suggestion that I would have to offer is that departmental heads receive a copy of the budgets and a copy of the monthly reports so that they will know the financial status of thier Departments at convenient intervals.
- (4) Inventories -- The inventory system is perhaps well worked out in most departments, but is not particularly satisfactory in the Fisheries Department. I believe the person or persons responsible for the inventories should visit the various fisheries stations and assist in taking this inventory at least for the first time,

and give instructions to the various hatchery men on how to keep it on a satisfactory basis.

- (5) Interdepartmental Communications and Information -- I understand that some of the interdepartmental employees resent the fact that communications are forwarded from the central office. If this is true, it should be corrected since this management is designated for their benefit and it should be mandatory that these communications be read and followed.

(b) Education and Information

- (1) Publicity -- Our publicity at the present time is the best it has ever been in the history of the Commission. The only suggestion that I would have to offer here is that it be increased. The monthly bulletin is excellent and the new release system is very good. Perhaps from a selfish standpoint, I offer the suggestion that more specific publicity be offered from the divisions. I believe this should be in the form of especially purchased literature, scientific investigations, fishing and hunting bulletins, etc. There is no criticism as it is now carried on except that it should be expanded.
- (2) Public Instruction -- I believe we are very weak on public instructions from the central office. We depend on our local representatives almost entirely for this work. It is doubtful that this will be much increased during the present war emergency, but plans should be arranged after this time for an expansion in the public instruction program. This can be done by visual education, from the platform, and perhaps other methods. I think we should plan to eventually carry our public instruction into the schools of the State.

- (3) Public Relation -- No comment on this point.

(c) Technical Service

- (1) Engineering -- I would suggest that an engineer be attached to the fisheries division and perhaps another to the Game Division to work expressly on fish and game engineering activities. At the present time, the fisheries department has ample work for a full time engineer and as the program grows and expands, the need will be most acute.

(a) Fish

- (1) Fish Propagation -- expansion of artificial fish propagation should be confined to area already established in and further development should not be until the demand arises. More attention should be put to the natural reproduction of our native fishes. This will be taken up at a later point.
- (2) Fish Stocking -- A comprehensive survey of all of the waters of the state should be made starting immediately and inventories should be made so that the stocking program can be designed around the findings of these investigations.
- (3) Rescue Operations -- The rescue effort should be expanded particularly in the inland waters of the state and on the Missouri River. It may be necessary to exert additional effort on the Mississippi and if so this should be done.
- (4) Coarse Fish Control -- The coarse fish control program should be greatly expanded throughout the entire state. It has, because of good reasons been confined primarily to the lakes and a few larger river systems. Equipment and man power should be available so that this program could be carried on a State wide bases in an effort of control as nearly as possible coarse and predacious fish.
- (5) Improvement -- Stream improvement should be correlated with soil erosion practices and with wise agricultural practices. In my opinion one man should devote full time to the improvement part of the program. He should cooperate in every possible way with all state and federal agencies, if he can. Our natural and artificial water courses, mechanical stream improvement is available in relatively few instances, but can be applied either by local or state assistance where it is practical. Natural improvement should be stressed in our state program and this will take a tremendous amount of cooperation of the land owners and agencies worked for their benefit.



The natural lakes and artificial lakes should receive much attention particularly in regard to the rip-rapping of the shore lines. The establishment of desirable aquatic vegetation on the forest fringe, dredging the more desirable areas. I am of the opinion that dredging should be carried out in areas which have not completely reverted to the marsh stage. And after these lakes have been properly readjusted, perhaps the work could be carried on the shallower areas.

- (6) Surveys and Investigations -- Surveys and investigations made thus far have been good and should be greatly expanded. As I have mentioned before, there should be a complete survey of all of the fishery resources in Iowa. Special investigation should be made of areas warranting them. A plan of practice should be inaugurated so that these functions will be carried out systematically.
- (7) Commercial Fisheries -- The commercial fisheries on our boundary waters have been little considered in the past and at the present, this important industry should be given considerable attention by the Fisheries Department and investigations should be made pertinent to the gear and tackle used species permitted under the law, inventory of catch, etc. We should feel this is part of our program and not an enterprise unwanted. Many of the present laws, perhaps, are undesirable and they should be changed to dovetail into a complete and comprehensive fish management program.
- (8) Fish Population Studies -- The Department should secure at once a scale reading machine and systematic study of fish populations and growth rate studies should be made in all of our existing waters. I am satisfied that under the present system, we are stocking areas with game fish which are already over stocked through previous efforts and natural reproduction. There are perhaps other areas which are under-stocked and should receive additional allotments. These studies should be one of the most important functions of the Fisheries Department. We have recently inaugurated a program of fish populations studies, but it is barely in its infancy. It has already proven its worth and value and should be widely expanded.
- (9) Fresh water mussels -- A comprehensive survey should be made of our mussel-bearing streams and a definite management practice should follow. This work has been started and should be continued and expanded.

- (10) Research -- No space was allotted to fisheries research. I would like to repeat the necessity of a fisheries biologist under the direction of the Fish and Game Department to carry on general and specific research in the fisheries areas in which they are located. This practice would be in addition to any other type or research not affiliated with this program.

(b) Game

- (1) State Game Farm -- I have no comments to make on the splendid manner in which the state game farm is being operated. I think it is a very important function of the Department at this time.
- (2) System of Rearing and Releasing Game. -- In so far as I know, the present system of rearing and releasing game birds to cooperative groups is satisfactory with the possible exception that in many cases the local conservation officer is called upon to do most of this work. This, of course, defeats the purpose of the program since, as I understand it, the object is to interest local groups in producing and owning game.
- (3) Game Management on Land and Water Areas -- No comment
- (4) Wildlife Refuges -- A definite plan of action for development of wildlife refuges should be inaugurated if it has not already been done and an order of increasing these areas in a systematic way should be arranged. Public shooting grounds.
- (5) Public Shooting Grounds -- The Department has been doing excellent job in acquiring public shooting grounds. This practice should be increased to meet the demand of the ever-increasing number of hunters.
- (6) I am of the opinion that a technic in census methods can be devised for mammals at least. Perhaps the work has been accomplished in this field that I am not aware of, but it seems that the department does not have an adequate knowledge of the numbers of mammals in the state. This might be true also of migratory waterfowl. The technic designed for upland game is apparently quite effective and perhaps as time goes on this technic will be improved.
- (7) Control -- No Comment
- (8) Conservation Commission Fish and Game Restoration Program -- Without giving this program much consideration, it would seem desirable that it be carried out entirely on state owned land. This could either be land already owned by the Department and land acquired for this purpose. In my judgment it is not satisfactory to

spend money on private areas.

(9) Pittman Robertson Program -- No comment

6. Research Program -- The research program in which we are now affiliated with the State College could be expanded to include other state institutions of higher learning and perhaps The United States Fish and Wildlife Service. These programs should be very carefully considered before adoption by a representative not only of the Commission Director but also departmental heads and their supervisors. These programs should not differ from practices set up by the Department with the area biologist but should be in harmony with them so that we will all be working toward a common end.
7. Existing State Land and Water Holdings, Leased Areas, etc.
  - A. Desirable expansion.-- Expansion should be encouraged wherever possible. On all of our present water holdings land access and expansion should be encouraged only where it is beneficial to the program initiated there.
  - B. Maintenance -- I am of the opinion that we should get all of our present owned state lands in good shape before we expand further except where it is mandatory to buy additional lands which are apt to fall into private ownership and would not later be available.
  - C. Desirable Facilities -- No comment
  - D. & E. Management and Use. -- Since these terms are synonymous, I will group them under one heading. Management of all Conservation Commission holdings should be considered from every angle and not under and individual departmental group. In other words, there are unquestionable areas in state parks which could be developed into fine game areas. Many of these are now lying idle and are not being used for any purpose. I have referred specifically to the Backbone State Park where gam including raccoon, partridge and perhaps others could be produced in perfect harmony. Parks using shallow lakes which are no longer useful as fishing areas should be managed for migratory water fowl and game. Fish should be removed with nets and seines or by poisoning and vegetation restored.

Some of these areas could be opened to the public for shooting and others could perhaps be used as preserves or reserves. Other areas could be managed for pond fish and game. I believe we need a more comprehensive inventory of our public water and lands to determine a maximum use. Practical use, of course, will involve management.

7. Desirable Work Projects -- There are a great many desirable work projects to be considered in this evaluation program. Most of them are known to our local representatives and I will not mention them at this time. There are a few, however, that I believe deserve special attention if we are to continue our coarse fish removal program on as large or larger scale. It is almost mandatory that we have adequate facilities to handle the fish. This will entail the addition of one or two or more ponds or holding units which would be constructed in Dickinson County near the point of present heavy production. It may be necessary and it should be considered at this time to develop ponds in other regions of the state which will eventually produce large poundages of this valuable commodity. We are aware of the value of this resource during the critical war period, but we should not lose sight of the value of it when war time is over. In the event our staff fails to list scores of other desirable work projects in their reports, I shall be glad to prepare a supplementary list of them. These include the development of marshes adjacent to our lakes to be used as natural spawning areas for fish and nest areas for wildfowl. There are at least 6 or 7 in Dickinson County alone which should be restored.
8. Recommended New Acquisitions -- No comment at this time. A separate report will be given on this subject.
9. Land and Water Uses -- Later report on this subject.
10. Conservation Laws and Proposed Legislation -- Separate report on this subject.
11. Cooperation -- A special effort should be made by the entire staff to cooperate with all federal and state agencies interested or working along conservation lines. As I have stated, the fisheries department should have a full time engineer working on the improvement of lands and streams and cooperation between the Department and federal agencies should be one of his primary functions.



*E. B. Spencer  
Contributions*

6. Conservation of Fish

A. Construction of twenty-five (25) artificial lakes (listed under water conservation) which will be:

1. Beaver Meadow Park Lake in Butler County
2. Heery Woods Park Lake in Butler County
3. Swan Lake in Carroll County
4. Lake Wapello in Davis County
5. Backbone Park Lake in Delaware County
6. Echo Valley Lake in Fayette County
7. Beed's Lake in Franklin County
8. Springbrook Lake in Guthrie County
9. Pine Lake in Hardin County
10. Lake Ahquabi in Warren County
11. Lake Macbride in Johnson County
12. Red Haw Hill Park Lake in Lucas County
13. Lake Keomah in Mahaska County
14. Mill Creek Park Lake in O'Brien County
15. Walnut Woods Park Lake in Polk County
16. Lake of Three Fires in Taylor County
17. Farmington Park Lake in Van Buren County
18. Lacey-Keosauqua Park Lake in Van Buren County
19. Union Grove Lake in Tama County

- a. All of these lakes have been scientifically constructed in all details to insure a proper aquatic flora and biological life to support and perpetuate fish life.
- b. These lakes have been adequately stocked with both adult and small fish of suitable variety to insure maximum fish yields.
- c. These lakes have been closed to fishing until a catchable surplus of legal sized fish has been established. Most of the areas have been closed for four years to maintain this balance.
- d. Some of the lakes have been adequately protected by rip-rapping and other measures to prevent bank erosion. This is being carried out in some of the lakes at the present time. Most of the lakes however, are inadequately protected and there is severe bank erosion taking place at the present time. Most of the gullies and upper watersheds have been controlled so that little silt enters the lake. One exception is Lake Ahquabi in Warren County and land has been acquired to be developed for this purpose. The first inadequacy, therefore, in the management of artificial lakes is bank protection.

- B. Perfect a project program for stream improvement manned by a staff of fish culture technicians who will cooperate with all national, state, local and private agencies in carrying forward this long-time program.

Since the twenty-five year plan was inaugurated, programs have been established by the Commission for stream improvement. The Michigan Institute for Fisheries Research was consulted and Mr. Clarence Tanswell was employed by the Commission to set up a demonstration area as a pattern for our Iowa Stream Improvement Program. That work was carried on in Glovers Creek in Fayette County. After this had been completed, stream improvement devices of the type recommended by the Institute were installed in a large number of streams, particularly in the trout streams of northeast Iowa. Other devices were applied to some of the small mouth bass streams where C. C. C. labor was available. Clear Creek in Allamakee County near Lansing was improved by similar methods in 1940 and 1941. After thorough investigation of all of the recommended devices, we have come to the conclusion that the work was too costly for the results accomplished. It is also not practical on streams of steep gradient since severe floods dislodge the devices and wash them into the thread of the stream causing sand bars and other adverse conditions. We are now of the opinion that in certain areas, temporary devices can be successfully installed to increase fish populations, but these devices should not be of a permanent nature. Permanent stream improvement, in our opinion, should incorporate land improvements adjacent to the streams before stream improvement devices themselves are installed. This should consist of soil erosion and soil management practices on the watershed of the streams. This work has been started at Backbone State Park Area in Delaware County.

- C. Design a project program for erosion, flood and pollution control of streams and lakes. Cooperate with all agencies to the accomplishment of results.

Little has been done in the way of designing a project for erosion, flood and pollution control of lakes and streams by the Conservation Commission. The only specific instances on a large scale is the Backbone Park Area in Delaware County. Thousands of trees, however, have been planted on state lands and other state properties to control erosion, but little has been done on private land except in game management practices. Most of this work has been under the auspices of the United States Soil Conservation Service. Pollution in Iowa is controlled by the State Department of Health, and it might be said that they have done a commendable piece of work in requiring cities and towns to install satisfactory sewage disposal systems. The Fisheries Department has cooperated with the State Health Department in ferreting out offenders of this practice and in furnishing evidence to the Health Department concerning the deleterious effects of pollution on fish life. Essentially, this is the extent of our cooperation in the pollution control measures.

- D. Establish, develop and maintain hatching, rescue and rearing pond areas and programs.

Much has been accomplished since 1933 in the development and management of fisheries resources. The following fish hatcheries have been constructed and are in operation at the present time:

Bedford Hatchery, Bedford; Chariton Pond, Chariton; Siewer's Spring, Decorah; Twin Springs, Decorah; Eagle Grove Pond, Eagle Grove; Humboldt Hatchery, Humboldt; Keomah Hatchery, Oskaloosa; Lanesboro Pond, Lanesboro; Lake View Hatchery, Lake View; Mechanicsville Hatchery, Mechanicsville; Pierce Pond, Storm Lake; Strawberry Point Bass Ponds, Strawberry Point; Lake Wapello Hatchery, Drakesville; Beed's Lake Hatchery, Hampton; Pine Lake Hatchery, Eldora; Ink Pond, Mt. Vernon; Lizzard Creek Pond, Ft. Dodge; Osceola Pond, Osceola; Saur-Anderson Pond, Vinton; Beaver Pond, Bluffton; Independence Pond, Independence; Marshall County Pond, Marshalltown; Nashua Pond, Nashua; Nolen Pond, Decorah; Rutland Pond, Rutland.

The primary fish producing units prior to that time were: Clear Lake Pike Pond, Clear Lake; Spirit Lake Pike Pond, Spirit Lake; Strawberry Point Trout Ponds, Strawberry Point; (this unit has been remodeled since), Lansing and Sabula fish rescue and collection stations.

Inland rescue has increased in scope tremendously. The State is now divided into quadrants and most of the fishes are salvaged annually by the Fisheries Department, Conservation Officers, and interested sportsmen. Although the work was developed to a high degree of efficiency on the Mississippi River prior to the Twenty-five Year Plan, many improvements have been made there in recent years. To begin with, the river has been canalized, which has given our work an entirely different aspect. A near-normal stage occurs throughout the year which no longer necessitates the amount of rescue work formerly carried on by the Department. The pools are deeper and the work is not confined to a short period of time as it was in the fluctuating era prior to the canalization of the river. In addition to fish rescue and collection work on the Mississippi a tract of land of approximately 500 acres has been leased from the War Department near Sabula in Jackson County for the purpose of rearing fishes for distribution. Fish rearing facilities have already far exceeded the proposal of the Twenty-five Year Plan in most instances. We are of the opinion that our fish hatchery units are ample for stocking the state waters at the present time. This is particularly true since each year more and more scientific workers are of the opinion that most of the waters in the country are already over-stocked with fishes and are in need of management rather than additional fish.

E. Adopt programs and projects for the improvement, development and perpetuation of existing lakes as suitable game fish environments.

a. Dredging of twenty-five (25) state-owned lakes.

The dredging program is proceeding rather slowly, but the following lakes have been dredged to increase the fish yields: Lake Manawa in Pottawattamie County, Black Hawk Lake in Sac County, North Twin Lake in Calhoun County, and Storm Lake in Buena Vista County. A dredge has now been moved into Lake Cornelis in Wright County, and operations will continue in Storm Lake

in Buena Vista County. The Black Hawk Lake Area has been by far the most successful of all of the dredged units so far. Fish have increased tremendously in numbers, size, and weight, and the fishermen who use the area are legion. Perhaps more pounds of fish were removed from Black Hawk Lake than any other lake in the State. Fishing this year has again been reported excellent.

b. Outlet dam improvement of fourteen (14) state-owned lakes.

An outlet dam has been constructed at Trumbull Lake in Clay County. The remainder have not as yet been installed, but should be just as soon as materials are available.

c. General lake improvement of all state-owned lakes eventually - by more specifically, twenty-five lakes under the immediate plan. Includes shore zoning, bank protection, silting control, aquatic vegetation control, elimination of sewage, stock and barnyard pollution, etc.

Considerable lake improvement has been carried on in a number of lakes. The following shore lines have received attention by means of rip-rapping with rock: Black Hawk Lake in Sac County, Storm Lake Buena Vista County, Silver Lake in Dickinson County, Medium Lake in Palo Alto County, Silver Lake in Palo Alto County, and perhaps a number of others. This record can be obtained from the engineers who sponsored the W. P. A., C. C. C., and other federal units participating in the projects. Vegetation was planted in a number of lakes including Medium Lake in Palo Alto County, Lake Paullina in O'Brien County, Storm Lake in Buena Vista County and others. This work was under the auspices of the biologist and can be found in Aitken's reports. Sewage was eliminated from the Okoboji Lakes Region by the installation of a very satisfactory sewage disposal system. Little attention has been paid to stock and barnyard pollution in the major lakes since most of the shores are privately owned. The game management reports, however, will point out a considerable amount of fencing on shallow marshes and lakes where the cattle have been fenced from these areas.

F. Designing, adopting and enforcement of a program of intelligent stocking of stream, lakes and ponds both publicly-owned and those privately-owned lakes and ponds open for public fishing.

A stocking program has been carefully worked out for all of the waters of the state and the Department has been following this system for many years. Recommendations have been made by the former biologist and by the new biological unit, and these recommendations have been incorporated into our stocking program. Recommendations have also been frequently received from the Conservation Officers in the territory, who are familiar with local problems. A plan is now under way to make a new stream and lake survey of all of the waters of the state. This has been completed for all of the trout streams in the state and is being carried out on other streams at this time. Surveys have also been made in about 20 lakes, and more com-



prehensive data is being collected on these areas at the present time. Privately-owned lakes are not stocked by the Department under out state law, but advice is given to interested parties concerning the species and numbers of fish to be stocked in these areas. These fish are usually purchased from private fish hatcheries and obtained from the Fisheries Department of the United States Fish and Wildlife Service.

- G. Foster and consummate proper leases or public fishing access agreements on two (2) present artificial lakes, three (3) present leased artificial lakes, seven (7) present water power ponds and on ten (10) possible future power ponds.

The following pages are lists of the fishing access rights on reservoirs, ponds, pits and miscellaneous water areas, and stream improvement easements.

- H. Acquire and improve public access to fishable lakes and streams at two hundred and fifty (250) points in the state.

For Silver Lake in Dickinson County and a greater share of the shore line of Black Hawk Lake in Sac County. The engineering records will probably be the best source of information concerning public access.

# LIST OF MISCELLANEOUS PONDS, PITS AND WATER AREAS

COUNTY	WATER	OWNER	DATE OF EXECUTION	EXPIRATION
Allamakee.....	Hayes Lake	New Albin J. V. Eran, August A. Meyer & Son Milton Somernyen		
Cherokee.....	Gravel Pit Fish Pond	George H. Larson	5/14/38	
	Sand Pit	Aurelia, Iowa W. L. Gund		
	Spring Lake	Marcus, Iowa Cherokee Park Board	9/24/33	
Clinton.....	Roscoe's Lake	Ivan Roscoe Commanche, Iowa	4/21/42	
Crawford.....	Dunham Pond	A. L. Dunahm R. W. Dunham	6/12/41	
Dickinson.....	Silver Lake	Horace & Pearl Wood Lake Park, Ia. W. W. Shriner Lake Park, Ia. Walter F. Stoltenberg	6/21/37 6/23/37 6/26/37	
Fremont.....	Soil Erosion Fish Pond	E. M. Aspedon Riverton, Iowa	5/31/38	
	Soil Erosion Fish Pond	R. H. Edwards		
Iowa.....	Templer Pond	C. Templer	7/11/32	
Jackson.....	Crowley Pond	D. J. Crowley	11/4/33	
Jasper.....	Hughes Pond	David Hughes	7/14/32	
Lee.....	Rand Park Lake	Keokuk, Iowa	7/30/32	
Linn.....	Waltonian Pond	Peter Ink	5/1/39	5/1/40
Louisa.....	Meyerholz Lake	Meyerholz	42	
Montgomery.....	Pond	John P. Larson Stanton, Iowa John A. Lindquist Stanton, Iowa	7/27/39 7/5/39	
	Pond	August Clous Osheyedon, Iowa	9/12/35	
Osceola.....	Rush Lake	August & Louise Arend	9/12/35	
		John Gielow	9/14/35	

CONTINUED LIST OF MISCELLANEOUS PONDS, PITS AND WATER AREAS -- Page 2

COUNTY	WATER	OWNER	DATE OF EXECUTION	EXPIRATION
Osceola.....	Graves Pond	Albert J. Graves	9/14/32	
Page.....	Porter's Lake	T. W. Maxwell	7/6/32	
Palo Alto.....	Silver Lake	Bankers Life Company Des Moines, Ia.	3/9/38	
Plymouth.....	Gravel Pit	Lewis F. Wagner	10/31/34	
	Gravel Pits	LeMars City	11/6/34	
Pocahontas.....	Drainage Ditch	Charles E. Watts	5/3/41	
	Straight Park Pool	Town of Fonda	6/2/41	
Polk.....	Central Service Tract	Waterworks Trustees	9/9/38	
Pottawattamie....	Lagoon in Lake View City Park	Council Bluffs	8/5/32	
Poweshiek.....	Bear Creek & Ponds	Roscoe Ormeston	7/10/35	
Ringgold.....	Maloy Ponds	Luke E. Hart	9/8/33	
	Mary B. Brown Pond	Mary B. Brown	2/11/35	
Sao.....	McIntosh Gravel Pit	Ralph McIntosh Odebolt, Iowa	6/5/35	
Scott.....	Davenport Park Lakes	City of Davenport	4/24/36	
San Buren.....	Campbell Pond	Robert Campbell	7/18/32	
Warren.....	Allred Pond	Charles Allred	8/1/32	
Webster.....	Reservoir	Dayton Iowa Park Commissioners	6/3/40	

# LIST OF RESERVOIRS AND ARTIFICIAL LAKE EASEMENTS

COUNTY	RESERVOIR	OWNER	DATE OF EXECUTION	EXPIRATION
Adair.....	Greenfield City Reservoir	Town of Greenfield	11/27/35	Until violated
Adams.....	Corning City Reservoir	City of Corning	4/2/32	
Appanoose.....	Moulton City Reservoir	City of Moulton	8/1/32	
	Centerville City Reservoir	Centerville		
Clarke.....	Osceola West City Reservoir	Osceola	5/29/33	
	Osceola East City Reservoir	Osceola		
Clinton.....	Spring Brook Country Club Lake	Dewitt, Ia.	7/27/32	
Davis.....	Old Bloomfield City Ponds	Bloomfield	6/14/27	
Decatur.....	Home Pond	Lamoni	9/6/26	
	Van Wert R. R. Reservoir	Van Wert	2/1/38	
Des Moines.....	Lake West	C. B. & Q. Veterans Assn., West Burlington	8/10/32	
Iowa.....	Old River Bed	Marengo	5/7/34	
Jackson.....	Dalton Lake	Dalton		
Jefferson.....	City Reservoirs #1 & #2	Fairfield	11/8/34	
Lucas.....	Chariton Gun Club Lake	Chariton Gun Club	No longer effective	
	Old Chariton City Reservoir	City of Chariton	8/4/32	
	New Chariton City Reservoir	" "		
Mills.....	Malvern Cold Storage Pond	Malvern Cold Storage Co.	2/3/33	
	Glenwood Lake	Glenwood City	2/3/33	
Monroe.....	Country Club Lake	Albia Country Club	Not effective	
	City Waterworks Reservoir	Albia	4/30/30	Not in effect
Polk.....	Conservation Lake	C. B. & Q. R. R.	9/1/32	
Poweshiek.....	Lake Arbor	Grinnell	6/12/34	
Ringgold.....	Mt. Ayr Old City Reservoir	Mt. Ayr	8/20/33	
	Loch Ayr City Reservoir	Mt. Ayr	4/22/41	
Union.....	Afton Lake	Afton	10/25/35	
	McKinley Lake	Creston	6/15/34	Not in effect
Warren.....	Eldon City Pond	Eldon		
	Indianola Waterworks Lagoon	Indianola	3/17/33	
Wayne.....	Harvard Pond	C. C. Clark		
		Corydon, Iowa	10/9/37	
	Kipper Railroad Pond		9/27/32	
	Humeston City Reservoir	J. W. Sanderson	5/2/32	
	Seymour City Reservoir	Seymour	6/27/36	
	Corydon City Reservoir	Corydon	7/11/32	



# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
allamakee	N.8 acres of NW, NE sec. 6-9725 and SW SE Sec. 31, Twp. 98.	City of Waukon by James S. Cameron Chrmn. Park Board Waukon	7/24/40	
	Hickory Creek	L. A. Burckart	5/7/34	5/7/39
	Hickory Creek	Elliott Nelson	5/7/34	5/7/39
	Hickory Creek	J. H. McShane	5/3/34	5/3/34
	Paint Creek	Mrs. H. A. Hendrickson	12/16/33	expired
	Paint Creek	Joe Tysland	12/16/33	"
	Paint Creek	M. Tysland	12/16/33	"
	Village Creek	R. R. Ericson	12/10/33	"
	Stone House Spring Sec. 11	Aug. Schultz	12/9/33	"
	Paint Creek, Sec. 26-2-1	A. C. Guardan	12/9/33	"
	Paint Creek, Sec. 22	G. Pederson	12/7/33	"
	Clear Creek, So. of bridge only	Selma L. Batteen Lansing	12/14/34	"
	Clear Creek	F. A. Siekmeier	12/14/34	"
	Clear Creek	M. J. Ryan New Albin	12/13/34	"
	Clear Creek	John Waters	11/16/34	
	Clear Creek	Moritz Kemdt	11/16/34	11/16/39
	Paint Creek, Sec. 23-26	J. A. Anderson	11/16/34	"
	Bear Creek	Wm. R. Duffy	11/16/34	"
	Bear Creek	Sander Quandahl	11/15/34	11/15/39
	Bear Creek	S. L. Morken	11/15/34	11/15/39
	Bear Creek	Thos. E. Selness	11/15/34	11/15/39
	Clear Creek	John Vertheim	11/15/34	11/15/39

# LIST OF STREAM EASEMENTS

	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Lee	Clear Creek	Mrs. Henry Beneke	11/14/34	11/14/39
	Bear Creek	Martha Morstad	10/26/34	10/26/39
	Clear Creek	Will Stehr	10/18/34	11/18/39
	Clear Creek	Mrs. Augusta Koenig	11/14/34	11/14/39
	Conway Springs	Patrick Conway (Lease	1/2/36	1/1/56
	Wexford Creek	Sarah Kirk	-	1939
	Village Creek, Sec. 23	Lewis Drake	-	1939
Anton	Bear Creek	B. M. Bills	3/5/35	
	" "	Geor. R. Knapp	3/6/35	
	" "	Amanda Bates	3/13/35	
	" "	R. Babcock	3/26/35	
	" "	Elmer Burnett	3/26/35	
	" "	C. C. Epperson	3/27/35	
	" "	Mrs. Hattie Sanders	3/28/35	
	" 2 "	Brd of Supervisors	4/5/35	
	" "	W. H. Pits	4/5/35	
Blackhawk	Beaver Creek	Wallace A. Ronney	3/9/35	
Premer	Crane Creek	Chas. G. Overton	10/19/37	
Buchanan	Fishway Dam	A. G. Shellito	4/29/38	
	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-89-10, except what	A. F. Clarke		
	is platted as the village of Littleton	Neva Morse Littlejohn		
	& all that part of the W $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$	Edwin Dukes		
	Sec. 10-89-10 lying north of the	Katheryn C. Hukes		
	Wapsipinicon River	Ray Clark		
	Sec. 34, Twp. 88. Range 8	Prospect Lodge, A. F. &	7/2/34	
		Am. No. 350, Quasqueton		
	Quasqueton Dam - bed of river			
	& shoreland	C. R. Roberdee	5/31/34	
	Quasqueton Dam	Charles Sauer	5/29/34	

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Buchanan	Quasqueton Dam	Ralph Kimball Quasqueton	5/29/34	
	Quasqueton Dam	Fred Franck Winthrop	5/22/34	
	Quasqueton Dam	Effie M. Johnson Quasqueton	5/22/34	
	Quasqueton Dam	J. C. Scherrets Quasqueton	5/22/34	
Butler	Beaver Creek	Herbert Blohm Parkersburg	6/23/34	
	Beaver Creek	Mr. & Mrs. Ward Card Parkersburg	6/23/34	
	Beaver Creek	Mr. & Mrs. E. G. Kothe Parkersburg	6/27/34	
	Beaver Creek	Mrs. Franke Smith Parkersburg	7/7/34	
	Beaver Creek	Iowa Public Service Co Parkersburg	7/7/34	
	Beaver Creek	Irvin & Mary Card	7/8/34	
	Beaver Creek	E. L. Wilson Parkersburg	11/8/34	
	Beaver Creek	H. N. Bruichert Parkersburg	11/15/34	
	Beaver Creek	Ben H. De Vries Parkersburg	11/16/34	
	Beaver Creek	Mrs. Aurilla Yost Parkersburg	12/5/34	
	Beaver Creek	Willem Schroeder Allison	12/5/34	
	Beaver Creek	Joe Reints Parkersburg	12/5/34	
	Beaver Creek	Eli F. Hersey Parkersburg	12/5/34	
	Beaver Creek	Irv Card	12/5/34	
	West Fork River	Dale Van Eman for Rotlink Partition	3/7/35	
	West Fork River	William Feldman	12/5/34	
	Beaver Creek	August & Carl Schwertfeger	12/5/34	
	Beaver Creek	Charles Sohrage	12/5/34	
	West Fork River	Fred E. Hart, Parkersburg		

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Bulter	Beaver Creek	Connecticut General Life Insurance Company	1/8/35	
	Beaver Creek	Hartford, Conn.		
	Beaver Creek	Ben Billings, Parkersburg	3/1/35	
	Beaver Creek	Mrs. Roger Dennison Parkersburg	3/1/35	
	West Fork River	Craig Ray Abstract Co. W. C. Shepard, Pres	1/5/35	
	Beaver Creek	Earl Mooris Parkersburg	3/5/35	
	West Fork River	Henry N. Burma, Allison	3/5/35	
	Beaver Creek	G. M. Kemmerer Frank Wetzler	3/5/35	
	West Fork River	E. D. Aukas George Hahn, Allison	3/5/35	
	" " "	Harm C. Cramer	3/5/35	
	" " "	E. G. Kothe & Pearl Skeel, Parkersburg, Ia.	3/5/35	
	" " "	Stanley Conn	3/7/35	
	" " "	Dale R. Van Eman Parkersburg, Ia.	3/7/35	
	Beaver Creek	John Haulihan	3/5/35	
	" "	Catherine Corrigan	3/5/35	
	West Fork River	James Spain Parkersburg	3/7/35	
	" " "	August Lahr Estate Parkersburg, Ia	3/7/35	
	" " "	H. N. Bruichert Parkersburg	3/7/35	
	" " "	Fred E. Hart	3/7/35	
	" " "	O. L. Whitlach Allison, Ia.	3/8/35	
	" " "	George A. Stephenson Waverly, Ia.	3/8/35	
	" " "	Hugh L. Mosher for C. K. Yost Estate	3/8/35	
	" " "	Jim Carter, Adm. Est. John H. Nagel		

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Butler	West Fork River	Mr. Katie Busma	3/8/35	
	" " "	Eva B. Wilson	3/22/35	
	Beaver Creek	Lee E. Mark New Hartford	4/5/35	
	" "	R. A. Gage, Exec. B. D. Wright Estate	4/5/35	
	" "	Mrs. E. F. Perrin New Hartford	5/5/35	
	" "	P. M. Smith R. D. Wright, Est.	4/5/35	
	" "	Johanna Mooney	4/13/35	
	" "	Greenberry Luck	5/15/35	
	" "	S. W. Hemingway	4/13/35	
	West Fork River	Travelers Ins. Co. Hartford, Conn	4/30/35	
	" " "	Travelers Ins. Co. Hartford, Conn.	4/30/35	
	" " "	Travelers Ins. Co. Hartford, Conn.	4/30/35	
	" " "	Travelers Ins. Co. Hartford, Conn.	4/30/35	
	Beaver Creek	Fidelity Life Assn. Fulton, Illinois	6/26/35	
Madison	" "	Security Fire Ins. Co. Davenport, Iowa	7/30/35	
	Rocky Run	John W. Burrough	11/7/34	
	Rock Creek	George R. Geller	11/28/34	
	" "	J. F. Kensinger Tipton, Iowa	11/30/34	
	" "	Carl H. Mather Tipton, Iowa	12/1/34	
	Rocky Run Creek	Carl H. Mather	12/1/34	
	Rock Creek	Earl D. & Lena E. Wood	12/34	

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Cedar	Sugar Creek	Fred F. Proctor	12/22/34	
		J. E. Proctor, Sr.	12/22/34	
	Rock Creek	H. & Amiel Tesman	12/22/34	
		Lester Goodale	12/16/36	
	" "	Tipton, Ia.		
	" "	John E. Gerber	2/23/35	
	" "	Lester Goodale	2/23/35	
	" "	C. H. Leabport	2/23/35	
	" "	Tipton, Ia.		
	" "	M. C. Hamiel	12/16/36	
	" "	Tipton, Ia.		
	" "	M. C. Hamiel		
	" "	Tipton, Ia.	2/21/35	
	" "	F. M. Conley	12/16/36	
	" "	Tipton, Ia.		
	" "	John G. Ferguson	2/23/35	
	" "	Aug. M. Eilers	2/23/35	
	" "	O. M. Mayes	2/23/35	
	" "	D. L. Diehl	2/23/35	
	" "	Tipton, Ia.		
	Sugar Creek	C. O. Wright	3/6/35	
	Rock Creek	George R. Geller	4/8/35	
		Tipton, Ia.		
	" "	W. O. Leabhart	9/28/36	
	" "	Lulu M. Caldwell	10/5/36	
	" "	Geo. R. Geller		
	" "	Tipton, Ia.	12/17/36	
	" "	Newell L. Huber	10/3/36	
	" "	John Techau	12/17/36	
	" "	Fred Reeder	12/17/36	
	" "	Tipton, Ia.		
	Hare's Run	West Branch Gun Club	6/10/32	
		Cedar County Conservation Club	7/26/40	
Senro Gordo	Winnebago River	Mrs. Viola Carr		
		Zobel Gus	9/4/36	
	" "	Clear Lake, Ia.		
	" "	Peter C. Jorgensen	7/28/36	
	" "	Hanlontown, Ia.		
	" "	Floyd Jensen	8/8/36	
	" "	Clear Lake, Ia.		
	" "	Louis Nissen	8/8/36	
		Clear Lake, Ia.		
		Edwin Ounerson	8/11/36	

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Clayton	Shy McGill River	A. G. Halverson	10/27/33	expired
	Shy McGill River	Ben Schultz	10/27/33	expired
	Shy McGill River	Olive Eggen	10/26/33	expired
	Shy McGill River	Albert Franz	10/26/33	expired
	Shy McGill River	A. S. McMillin	10/26/33	expired
	Shy McGill River	Ernest Eggen	10/26/33	expired
	Peterson Creek	D. O. Blake	10/25/33	expired
	Peterson Creek	W. E. Schumacher	10/25/33	expired
	Peterson Creek	Embert Johnson	10/25/33	expired
Clinton	Spring Brook Co. Club Lake	Spring Brook Improvement Company	7/27/32	
	Hart's Mill Creek	Frank Fraser Otto S. Jensen Alfred B. Cameron	9/30/40	
Dallas	Raccoon River	Federal Land Bank	5/11/41	
	South Raccoon River	Thomas D. Gregg	3/2/35	
	Raccoon River	Chas. R. Spillers Redfield, Ia.	4/20/35	
	" "	Clarence Feller	4/19/35	
	" "	Roscoe Spillers	4/20/35	
	" "	B. F. Sutherland & Wife	4/20/35	
	" "	Lydia Scott, heir Jesse Scott Est.	4/20/35	
	" "	L. A. Thornburgh	4/24/35	
	" "	Perry, Iowa Mary A. Hohn	4/24/35	
	" "	Perry, Iowa Martha Hannon	4/24/35	
	" "	Perry, Ia. Mrs. W. H. Roberts	4/24/35	
	" "	Perry, Ia.		



# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
erro Gordo	Winnebago River	Mr. W. R. Carr Fertile, Ia.	8/11/36	
	Winnebago River	Olaf Myhre Hanlontown, Ia.	8/11/36	
	Winnebago River	Art Carr Hanlontown, Ia.	8/4/36	
	Plymouth Dam	Katherine Dvorak Plymouth, Ia.	3/18/35	
	" "	Orrin L. Peshak & wife, Plymouth, Ia.	2/27/35	
	" "	M. A. Hanson Plymouth, Ia.	3/18/35	
	Shellrock River	T. B. Morse	5/14/38	
	" "	W. D. Edgar Rock Falls, Ia.	5/14/38	
Clayton	Kleinlein Creek	W. H. Whitmarsh Strawberry Point, Ia.	2/9/35	
	" "	F. H. Howard	2/9/35	
	" "	Anna Kleinlein	2/9/35	
	Turkey River	Frick & Speck Elkador, Ia.	3/20/35	
	" "	Edward Weisner	3/21/35	
	" "	Clayton Board of Supervisors, Elkador, Ia.	4/9/35	
	" "	St. Joseph's Church Elkador, Iowa	4/9/35	
	Kleinlein Creek	W. H. Whitmarsh	2/9/35	
	" "	E. J. Schott	1/19/34	expired
	Bloody Run Creek	F. T. Hartwick	12/30/33	expired
	" " "	Charles Welch	12/30/33	expired
	" " "	J. G. Reidel	12/29/33	expired
	" " "	Elmer J. Holly	12/28/33	expired
	" " "	A. L. Nichols	12/27/33	expired
	Peterson Creek	G. H. Seippel	11/25/33	expired
	Bloody Run	W. W. Davidson	11/18/33	expired
	Bloody Run	Vern A. Prouty	11/18/33	expired

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Decatur	Grand River	W. H. Campbell	Sept. 19/36	
	" "	Grand River, Ia. Frank Redman	9/28/36	
	" "	H. T. Rauch	10/7/36	
	" "	Lamoni, Iowa L. B. Jackson	10/8/36	
	" "	Tulsa, Okla.		
Delaware	Spring Branch Creek	George Turner	6/30/39	6/30/44
	Spring Branch Creek	John M. Brayton	6/30/39	6/30/44
	Silver Creek	Henry Schulte	4/2/35	
	" "	Charles A. Swindell	4/2/35	
	" "	Thomas A. McRoberts	4/2/35	
	" "	Clifford Robinson	3/29/35	
	Spring Branch	Irving D. Long	6/13/35	
	" "	Fred Herman	1/15/35	
	" "	Dan Fierstine	12/11/34	
	Silver Creek	Thomas A. McRoberts	10/27/34	10/27/39
	" "	John McRoberts	10/27/34	10/27/39
	" "	J. B. McRoberts	9/4/34	9/4/39
	Elk Creek	Elizabeth Odell	7/31/34	7/31/39
	Elk Creek	E. H. Pilgrim	7/30/34	7/30/39
	Elk Creek	George Binning	7/30/34	
	Spring Branch Creek	Thomas H. Tracy	4/9/34	
	" " "	W. F. Braner	6/28/34	
Abuque	Swiss Valley Creek	New Melleray Corp	2/13/35	
ayette	Glovers Creek	W. J. Graham	11/18/35	
		West Union, Ia.		
emont	East Neshabotna River	H. C. McMahon	7/19/39	
		Farragut, Ia.		

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Howard	Turkey River	Cresco Country Club	10/22/40	
	Little Turkey River	LeRoy Salisbury	10/22/40	
	Upper Iowa River	J. A. Bronner	12/5/33	
	Upper Iowa River	Willis S. Swim	2/5/34	Expired
	" " "	Jacob Peters	2/3/34	"
	" " "	H. E. Christie Chester, Iowa	2/2/34	"
	" " "	Ed Holm	2/1/34	"
	" " "	Henry Larson	1/27/34	"
	" " "	J. E. McEnan	1/27/34	"
	" " "	Larson Bros.	1/27/34	"
	" " "	R. Blatter	1/25/34	"
	" " "	J. A. Lind	1/23/34	"
	" " "	Gilbert O. Holstad	1/23/34	"
	" " "	Frank R. Kaderabek	1/23/34	"
	" " "	Robert Larson	1/22/34	"
	" " "	A. C. Leslie	1/19/34	"
	" " "	L. W. Halver	1/19/34	"
	" " "	A. F. Eaton	1/19/34	"
	" " "	E. J. Roberts	1/19/34	"
	" " "	W. W. Cervy	1/18/34	"
	" " "	Charles H. Thomas	1/17/34	"
	" " "	F. H. Freeman	1/17/34	"
	" " "	C. A. Tibbals	1/15/34	"
	" " "	R. Latham	12/1/33	"
	" " "	A. Kleibaer	11/28/33	"

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Greene	Raccoon River	Robert T. and Julia Geil		
	" "	C. A. Battles	12/12/34	
	" "	Jefferson, Iowa	3/12/36	
	" "	Mary M. Evison		
	" "	Claud Davis	3/28/39	
	" "	Soranton, Iowa		
	" "	J. W. Harris	3/28/39	
	" "	Jefferson, Iowa		
	" "	James F. Caddy	6/26/39	
	" "	L. S. & L. H. Doran	6/23/39	
	" "	Sara S. Luther		
Hamilton	Boone River	Romayne H. Barnes	12/1/34	
	Skunk River	T. C. Carpenter	11/24/36	
Hancock	Iowa River	E. J. Arnold	3/8/41	
	" "	W. F. Greiman, Sr.	3/8/41	
	" "	W. H. Tanner	2/2/41	
	" "	L. M. Wisenberg	3/4/41	
	" "	W. F. Stille	3/7/41	
Hardin	South Fork of Iowa River	Gala Jones	9/6/39	
	South Fork of Iowa River	Eldora, Ia.		
	South Fork of Iowa River	Mrs. J. A. Balcom		
	South Fork of Iowa River	Eldora, Ia.		
	South Fork of Iowa River	Emil Jeske	8/22/39	
	South Fork of Iowa River	H. C. Elerding	8/26/39	
	" " " "	Eldora, Ia.		
	" " " "	Samuel L. Campbell	8/26/39	
	" " " "	Eldora, Ia.		
	" " " "	E. E. Elerding	8/26/39	

# LIST OF STREAM EASEMENTS

UNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
ward	Upper Iowa River	Oscar G. Halverson	11/27/33	Expired
	Turkey River	John S. Mortensen	11/24/33	"
	" "	Mary Roth	11/23/33	"
	Iowa River	Charles C. Humpal	11/9/33	"
	" "	F. N. Martin	11/9/33	"
	" "	E. R. St. John	11/9/33	"
	" "	Andrew Peterson	11/9/33	"
	" "	Sarah J. Serfling	11/9/33	"
	" "	Clara Dell Wickham	11/9/33	"
	" "	C. H. Mandelko	11/9/33	"
	" "	R. L. Mackenburg	11/9/33	"
	" "	Augusta Jones	11/8/33	"
	" "	J. P. Thomson	11/6/33	"
	" "	Geo. J. Lybert	11/6/33	"
	" "	Will J. Bigalk	10/30/33	"
	Upper Iowa River	George Nieberline	10/29/33	
	" " "	C. C. Burgess	10/28/33	
Jackson	Smith Creek	Benjamin Drury	8/8/40	
	" "	Mrs. Herb Jones	8/8/40	
	" "	Wallace Krause	8/8/40	
	Pleasant Creek	Peter Ties	8/8/40	
	" "	Nick Sprank	8/8/40	
	" "	Lawrence Clasen	8/8/40	
	" "	Henry Depper	8/8/40	

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Jackson	Pleasant Creek	Charles Wiss	8/8/40	
	" "	N. G. Kilburg	8/8/40	
	" "	Kate Scheckel	8/8/40	
	" "	Nick Ties	8/8/40	
	" "	James Foster	6/11/40	
	" "	Joe Kielholz	8/8/40	
	" "	Fred Mohr	8/8/40	
Jones	Hewitt Stream	Ralph H. Boge	9/28/36	
	Farm Creek	Dyersville Cascade State Bank	3/28/35	
	" "	Albert Dolphin	3/18/35	
	" "	A. J. Murray	3/28/35	
	" "	James McGrane	3/28/35	
	" "	James Shahill	6/13/34	Expired
mn	Buffalo Creek	Julia Rowley		
tchell	Wapsipinicon River	Fred Plummer	4/30/37	
	" "	Frank Kellogg	4/26/37	
	" "	Charles E. Munay	4/24/37	
	" "	Charles J. Grace	4/24/37	
	" "	Purley L. Buttolph	4/27/37	
	Little Cedar	B. T. Hartnell Mayor	2/19/34	
		Stacyville		
tgomery	Nodaway River	Ray Bowman	7/27/39	
	Neshabotna River	Clifford Page	7/39	
	Nodaway River	Violet Corbin	7/28/39	
	Nishabotan River	Lloyd Smith	7/27/39	
	Nishabotna River	J. V. Pringle Estate	7/2/39	
		Red Oak, Ia.		

# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Plymouth	Deep Creek	John J. Karley	10/1/34	
	Willow Creek	Frank C. Hentges	10/2/34	
	Deep Creek	Nick J. Lanters Remsen	8/15/34	
	Deep Creek	Charles Treil	8/6/34	
Sac	Raccoon River	Willi Emerine		
	" "	H. C. Garnatz	2/8/35	
	" "	G. R. Corry		
	" "	Clarence Eugene	2/8/35	
	" "	Nolan Kent	2/8/35	
	" "	H. C. Brans	2/8/35	
	" "	Oscar Ed Garnatz	2/8/35	
	" "	Bertha V. Pease	2/8/35	
	" "	R. E. Garnatz	2/2/35	
	" "	Helen Hensel	2/8/35	
	" "	Mrs. Emily L. Shannon	2/8/35	
	" "	Chloa Bert	2/8/35	
	" "	Cecil Martin	2/8/35	
	" "	William Roth	2/8/35	
Story	Skunk River	S. S. Wierson Story City, Iowa	9/27/36	
	" "	L. L. Monson- Story City Park Comm.	11/4/36	
	" "	M.C. Hemmes	11/6/36	
	" "	F. D. Doolittle	11/24/36	



# LIST OF STREAM EASEMENTS

COUNTY	STREAM	OWNER	DATE OF EXECUTION	EXPIRATION
Story	Skunk River	Walter Hermanson	11/24/34	
	" "	O. Vangness	11/24/36	
	" "	Ole Thorsbakken	11/25/36	
	" "	T. T. Wicks	11/25/36	
	" "	Oscar Peterson	2/8/37	
	" "	A. W. Swanson	3/25/37	
	" "	Ida M. Swearingen	8/17/37	
	" "	B. H. Baumgardner	8/17/37	
	" "	McCallsburg, Iowa	8/17/37	
Winneshek	Bear Creek	Soren O. Ness	4/17/38	
	" "	H. Arthur Helgesen	4/20/38	
	" "	Ole J. Bidne	11/24/37	
	" "	Walter Stoen	11/22/37	
	" "	Kolbeir Akre	11/22/37	
	" "	Jens A. Traaen	11/1/37	
	" "	T. E. Arneson	11/1/37	
	" "	Pidne & Akre	10/9/37	
	" "	Bertha R. Gulbro	10/9/37	
	" "	Affrey E. Gulbro	10/9/37	
	" "	C. B. Mestad	10/9/37	
	" "	C. P. Olson	10/9/37	
	" "	Schildahl Estate By Anfin A. Sein	10/9/37	
	Trout Run Creek	Mrs. Mary H. Holland Decorah	3/1/37	
	Bear Creek	K. Akre	10/26/34	10/26/39

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