

**STATE WATER CONSERVATION COMMISSION
MINUTES OF MEETING
Held in Office of State Water Commission in
Bismarck, North Dakota
August 28, 1959**

A regular meeting of the North Dakota State Water Conservation Commission was called to order on August 28, 1959 in the office of the Commission, State Capitol Building to consider routine business matters. The following members were present:

MEMBERS OF THE STATE WATER CONSERVATION COMMISSION

Governor John E. Davis, Chairman
Earle F. Tucker, Vice Chairman, Bismarck
Einar Dahl, Member from Watford City
Oscar Lunseth, Member from Grand Forks
W. W. Corwin, Member from Fargo
A. R. Weinhandl, Member from Minot
Math Dahl, Commissioner of Agriculture & Labor, Bismarck
Milo W. Hoisveen, Secretary & Chief Engineer, State Engineer
Fred J. Fredrickson, Planning Co-ordinator, Washington, D. C.

Others Present:

Oscar Berg, Minot
Senators Luick and Morgan, Richland County
Messrs. Israelson, Lovdokken, Bertleson and Hatlie, Richland County
Senator Kee, Ellendale, Mayor Bell, Ellendale, J. D. Crabtree, Ellendale

The meeting was called to order by Vice Chairman Earle F. Tucker, at 9:30 a.m. with Commissioners Einar Dahl, Math Dahl, A. R. Weinhandl, Oscar Lunseth, W. W. Corwin and Secretary Hoisveen, present.

APPROVAL OF MINUTES It was moved by Commissioner Einar Dahl and seconded by Commissioner Weinhandl that the minutes of the June 19, 1959 meeting be approved and filed in the office of the State Water Commission. All members voted aye and the said motion was carried.

FINANCIAL STATEMENTS FOR JUNE AND JULY Commissioner Tucker made a motion, which was seconded by Commissioner Corwin that the Financial Statements for June and July 1959 be approved. All members voted aye and the said motion was carried.

MINOT'S PARTICIPATION IN STREAM FLOW ON SOURIS RIVER Correspondence has been received in the office from the City of Minot relative to making a determination as to quantity of water from the Souris River that enters the aquifer which extends along the Souris River and then in a northwesterly direction up to the DesLacs River. On a previous survey there was found what appeared to be a very excellent aquifer, which would solve Minot's water problem for several years. The Commission would cooperate with the Groundwater Branch of the U. S. Geological Survey in this matter. The cost of the survey is about \$2500. The City of Minot has forwarded a check in the amount of \$1250 for the groundwater survey.

The U. S. Geological Survey will match the rest. This survey will not require any expenditure on the part of the Commission but cooperation with the U. S. Geological Survey will be extended to the City of Minot and the Commission will represent Minot. Secretary Hoisveen recommended that the Commission accord the City of Minot this advantage. It was moved by Commissioner Einar Dahl and seconded by Commissioner Weinhandl that the Commission cooperate with the City of Minot and the U. S. Geological Survey in the groundwater survey. All commissioners voted aye and the motion was carried.

RESOLUTION 9 A resolution was received from Jack Williams, Department Adjutant of the American Legion, relative to
 AMERICAN LEGION water and land resources of the Missouri River Basin,
 RE: MISSOURI as set forth in the Flood Control Act of 1944 which
 RIVER BASIN resolution is as follows:

RESOLUTION NO. 9 PASSED AT 41st ANNUAL CONVENTION, THE
 AMERICAN LEGION DEPARTMENT OF NORTH DAKOTA, BISMARCK
 NORTH DAKOTA, JUNE 22-23, 1959.

WHEREAS, The original program for the development of the water and land resources of the Missouri River Basin, as set forth in the Flood Control Act of 1944 and related documents, authorized diversion of water from the Missouri River for irrigation and other beneficial uses in North Dakota, and

WHEREAS, Those portions of the Basin program which will serve such beneficial uses as flood control, production of hydro-electric power and navigation, among others, which are of value mainly to other downriver states of the Basin, and now well along the road to completion, and

WHEREAS, Successive studies have incontrovertibly proved that the Missouri River carries adequate water to serve all purposes set forth in the Flood Control Act of 1944, including irrigation so that no part of the Basin and no part of its economy need fear that fulfillment of the total plan, including irrigation, will deprive it of an adequate and fair share of the river's flow, and

WHEREAS, North Dakota has sacrificed some 450,000* acres of land for Oahe and Garrison Dam Reservoirs, and was given to understand that the irrigation portion of the project in North Dakota would be compensation for this sacrifice, and

WHEREAS, Already the development of the Garrison Diversion portion of the Basin project has been delayed several years beyond the originally-contemplated starting date, and

WHEREAS, Economical and orderly development demands that there be no more delay and that a start of construction on Garrison Diversion be launched at the earliest possible date, certainly no later than Fiscal Year 1963, in keeping with the original program as set forth in the aforesaid Flood Control Act of 1944, and in keeping with the understood bargain with the State of North Dakota and its people:

NOW, THEREFORE BE IT RESOLVED, That the Department of North Dakota of the American Legion hereby urges that the Congress of the United States take such action as is necessary to speed investigations preliminary to actual construction and also as is necessary to actually begin construction no later than Fiscal year 1963; and

BE IT FURTHER RESOLVED, That copies of this resolution be sent to the President of the United States, the Chairman of the Senate and House Appropriations Committees of the United States Congress, to members of the North Dakota Congressional Delegation, to the secretary of the North Dakota Water Conservation Commission, to Governor John E. Davis of North Dakota, to the Secretary of the Interior, and to the National Legislative Chairman of The American Legion, and to such other parties as may be deemed advisable.

* Note: should be 548,000 acres.

Governor Davis entered the meeting and assumed the chair.

CASS COUNTY Correspondence was received from the Cass County Board of Commissioners requesting the Commission to check DRAIN #21 the engineering on Drain 21 from the Union Stockyards north and see if it would be possible to divert the drain into the Sheyenne River closer to Cass County Road No. 10 thereby saving Cass County a considerable amount of money for bridges. Drain 21 is a large drain. The drainage board has routed Drain 21 so its point of entry into the Sheyenne is $3\frac{1}{2}$ miles below its present entry point. This would require $3\frac{1}{2}$ miles of additional canal at a considerable cost to the county and state. It would also require the construction of 4 bridges which the county is hesitant to construct as it would cost \$25,000 per bridge. The Cass County Drain Board felt the channel needed the supplemental stream adjacent to it in order to function better than it does at the present time. West Fargo has had only one recorded flood that the Secretary could find in the historic records of the Commission. The landowners in that area that would be served by the $3\frac{1}{2}$ mile extension have opposed the extended drain. They believe their present drainage system is adequate. The total cost of the proposed drain in the new location would be \$119,283 and the cost of the bridges would increase the amount by \$100,000, or a total of \$219,283. This would benefit 30,720 acres at a cost of \$7.14 per acre. Secretary Hoisveen indicated in his report that on a cost comparison the cost at the present location would be \$70,000, with 28,800 acres benefited at a cost of \$2.43 per acre. The bridges in this case would have to be paid for by the county and the Board of County Commissioners is not in favor of the new location. The following recommendations were made to Cass County concerning drain #21 by Secretary Hoisveen:

1. It is recommended that the route of the present drain be followed and that the entry to the Sheyenne River be approximately at the present location. This recommendation is based on the fact that increased costs of the proposed route far outweigh any topographic advantages that might be had in the proposed location.

2. It is recommended that should Drain 21 entry be at the present location, a calculated risk be taken and the installa-

tion of the outlet structure be delayed until such time as further investigations indicated its need. This would reduce the cost of the drain by approximately \$12,500. No flooding has apparently existed as a result of the drain being located at this site.

3. Should the Commission follow the above recommendations, it should not be made imperative that the Cass County Drain Board follow the recommendations. However, should the Drain Board desire to construct the drain in the proposed location, it is recommended that the State Water Conservation Commission participate only in that portion of the drain which is in use now and no cost participation be made in the proposed extension.

4. The Cass County Drain Board and the Board of County Commissioners will no doubt resolve their own cost participation practices regarding the bridges that will be required if the drain is located as now proposed. The State Water Conservation Commission does not participate in the bridge construction when it constitutes a public thoroughfare.

The drain in its present location, Secretary Hoisveen felt, would be adequate to serve the area and while it enters the Sheyenne in an area where the Union Stockyards has encroached on the channel, it is felt that this condition has been corrected by action taken by the Health Department and the Commission. The Commission's share would be on the basis of 40% of \$119,000 or 40% of \$60,000, depending upon which plan is used. It was moved by Commissioner Math Dahl and seconded by Commissioner Corwin that the State Water Conservation Commission participate in the construction of this drain at its present site. On roll call all members voted aye and the motion was carried.

CASS COUNTY
DRAIN #22

Secretary Hoisveen stated that a letter had been received from the Cass County Commissioners requesting the State Water Conservation Commission to formulate, design and construct a retention structure or structures on Drain #22, as soon as it is possible to do so. A letter was also received from Mr. Manfred Ohnstad, Secretary of the Cass County Drain Board relative to Drain #22. Secretary Hoisveen stated erosion in the drain has been so extensive it is endangering the highway and eroding good agriculture land. The Commission has not participated in this drain before. No cost structure was available at this time. It was moved by Commissioner Math Dahl and seconded by Commissioner Tucker that the Commission make an investigation and survey of this drain. All commissioners voted aye and the motion was carried.

CASS COUNTY
DRAIN #45

A letter was received from the president of the Board of City Commissioners of Southwest Fargo concerning Drain 45. Drain 45 goes through Southwest Fargo where they are planning a shopping center, some of the water flows through there now. They have expressed a desire for Commission help with the engineering. Secretary Hoisveen recommended that this matter be turned over to the Corps of Engineers for their study and he recommended that he be directed to write the Corps of Engineers or make a resolution to this effect. It was moved by Commissioner Corwin and seconded by Commissioner Math Dahl that Drain #45 be turned over to the Corps of Engineers for further study. All commissioners voted aye and the motion was carried.

**DRAINAGE
ENGINEER**

Secretary Hoisveen stated that Mr. Bradley, chief engineer for the State Highway Department, is involved in Cass County Drains 21 and 45. Drain Board representatives have requested them to install structures in the highways to accommodate flows which they are not in a position to evaluate properly. In some cases they have been required to close highways and install drain structures after construction has been completed. Mr. Bradley suggested that the State Highway Department pay half the salary and expense of a drainage engineer located in our department in order that they could obtain his counsel and recommendations regarding structural sizes and contemplated drainage works. The Highway Department indicated that this engineer could devote all his remaining time to commission work. They feel it would be a very good investment for the state to have such a man to make recommendations to them in the field relative to culverts, bridges etc. This engineer would also be a liaison man between the State Water Conservation Commission, Highway Department, Drain Board, County Commissioners and Soil Conservation Service. Past problems with drainage boards point out the need for an engineer of this type as it is apparent the Commission and drain boards have invested considerable money in drains that require reconstruction in a relatively short time. Governor Davis stated that the Highway Department should look ahead and consult with the State Engineer as to where the drains are, etc. The State Water Conservation Commission does not have an engineer available for this type of work and would have to employ an engineer. It was recommended that Governor Davis, Mr. Wentz and Secretary Hoisveen get together and go over the situation and see what can be worked out.

TOWNSHIPS

It was brought to the attention of the Commission that our state law requires the Commission to plan drainage systems for both the Highway Department and townships, where controversy exists. Secretary Hoisveen implied that the Commission has performed such service on several occasions. The work is expensive to perform. Our present staff of engineers is required to work long hours in order to keep abreast of the increasing demand for our services. It was moved by Commissioner Weinhandl and seconded by Commissioner Lunseth that the townships be advised to notify the Commission before a bridge is put in. All commissioners voted aye and the motion was carried.

LETTER OF ACKNOWLEDGEMENT FROM MRS. CHRISTENSEN

A letter was received from Mrs. Christensen thanking the Commission for the Resolution and also for the memorial.

**CITY OF GRAFTON
OUTLET GATE**

A letter was read from the Superintendent of the City of Grafton Water Department concerning the construction of a gate in the dam. The Great Northern Dam apparently was constructed by the Great Northern Railway. It was used to furnish water for steam locomotives. When the Great Northern had no further use for the dam it was turned over to the city. It impounds sufficient water to enable Grafton to have a good city park with recreational facilities. Vigness dam immediately below the Great Northern Dam serves as a forebay for the city water department. In the winter when the flow in the Park River is non-existent, it is frequently necessary for the water department to install siphons in order to obtain water from the Great Northern Reservoir for use at the city water plant. Gates will serve the purpose much more effectively. It will also reduce the amount of ice created by the siphon method.

**PARK RIVER
GATE WELL**

Secretary Nyman of the Walsh County Water Conservation and Flood Control District had also inquired by letter as to whether or not the Commission would participate in the installation of a gate well in the Park River city dam. The city officials implied that sufficient silt had been deposited behind the dam to render the structure inefficient. Secretary Hoisveen stated that the control gate would provide the city a better opportunity to regulate the flow of water around the structure during the winter months when releases from Homme Reservoir were made to meet low water problems downstream. This along with the installation at Grafton would afford good regulation possibilities along the Park River. The estimated cost of the Park River Project is \$4580. The Grafton Project cost approximates \$4400.

**COMMISSION ACTION
GRAFTON AND PARK
RIVER GATE WELLS**

It was moved by Commissioner Lunseth and seconded by Commissioner Math Dahl that the Commission's participation in the Park River and Grafton gate wells be limited to one-third of the cost of the gates, not to exceed \$3,000 to be divided between the two projects. On roll call, all commissioners voted aye and the motion was carried.

**PARK RIVER SNAGGING
AND CLEARING**

Mr. Nyman, Secretary of the Walsh County Conservation and Flood Control District, Grafton, North Dakota had also inquired about a snagging and clearing project for that section of Park River between Grafton and the Red River. It was believed that a snagging and clearing project would provide a free flow of the water below Grafton. This would enhance the movement of the solids from the starch plant that lodge in the sludge below Grafton. The farmers have had to vacate their farms because of the smell. Secretary Hoisveen stated that he had written to the Corps of Engineers, regarding their participation in this matter. They stated they had performed the job in 1952 and could not justifiably go back at this early date for a redo of the job. Secretary Hoisveen stated that the Public Health Department had written to the starch factory notifying them that the sludge would have to be removed before waste water could be discharged into the stream or lagoon. The waste water will be run into Grafton's new lagoon in the future. Secretary Hoisveen felt that this might be a cure for the problem now that they are going to remove the solids. It was recommended that the Commission participate in the snagging and clearing. It was moved by Commissioner Corwin and seconded by Commissioner Tucker that the Commission participate in the snagging and clearing of the Park River. All commissioners voted aye and the motion was carried.

**IRRIGATION PUMP
INSTALLATIONS
CARTWRIGHT, ESMOND AND
SIOUX**

Commissioner Einar Dahl reported that a test well had been installed on the Cartwright Irrigation project by Commission crews. The results have been very good and it appears as though there would be a possible flow of 2000 gallons per minute from two wells. The farmers are favorably impressed with the possibilities. Commissioner Dahl commented on the possibility of the Lower Yellowstone Pumping Irrigation District joining together with the Cartwright District in order to enable them to obtain R.E.A. 3 phase power in the area to meet pumping requirements. Single phase power is all that is available at present. It was recommended that the Commission postpone any action on the Cartwright project to see if these districts are going to meet with Secretary Hoisveen and Commissioner Dahl.

Commissioner Einar Dahl reported on the Sioux Irrigation Project. He stated there has been quite a bit of trouble on this project because

so much water has been removed from the Yellowstone River for the irrigation of other projects in recent years. It would seem that it will be necessary to lower the intakes. This should probably be investigated so as to protect the investment of the Commission in the project. Two possibilities exist. They are the lowering of the intake and the supplementing of the water supply through the use of ground water wells. The Commission authorized the drilling of a test well to check ground water possibilities against the construction required to lower the pump intake. It was recommended that this matter be investigated and a report made at an early Commission meeting. Commissioner Corwin inquired whether the Commission would participate in paying for this. This is taken care of on a repay contract.

Secretary Hoisveen reported on the Esmond Project. He stated that in order to obtain interest in irrigation in this area it would require the installation of a high capacity well. He stated he would like to proceed with a test well. A party with a good background has been selected in the area to care for this experimental well. Irrigation in the locality would be enhanced if the Garrison Diversion project becomes a reality. Should the well prove to be satisfactory, the farmers should be required to pay for the major portion of the well. The Esmond project will require more investigation as some of our findings do not concur with that of the Bureau of Reclamation. It was moved by Commissioner Corwin and seconded by Commissioner Tucker that the Esmond project be investigated further and the staff be directed to proceed with the development. All commissioners voted aye and the motion was carried.

**FEDERAL LEGISLATION
& APPROPRIATIONS
REPORT BY Mr.
FREDRICKSON**

Mr. Fredrickson reported on the Public Works Bill covering water projects. As of this morning the appropriation bill had not been signed. Apparently the president did not sign the bill before going to Europe. It was felt at one time that he was going to veto the bill because of the many new starts included in the bill. It is hoped that he will sign this bill. The \$425,000 appropriation for the Garrison Diversion Unit investigations is included in that bill. Also included is money for further investigation of the Sour's River, Missouri River and other projects. Mr. Fredrickson also was in hopes the Secretary of the Interior and the Bureau of the Budget could get together and soften some of the language in the Bureau of the Budget recommendations regarding the Definite Plan Report of the Garrison Diversion Unit.

**HEARING OF SELECT
COMMITTEE IN
BISMARCK**

Mr. Fredrickson also reported on the coming hearing of The Senate Select Committee on Natural Water Resources in Bismarck on October 7. Senator Kerr, the 17 members of that committee, about 5 of the Senators, are expected to attend the hearing. Mr. Fredrickson stated that plans were being made for this hearing. He suggested that a committee be named by the chairman of the State Water Conservation Commission, who will also act as chairman to handle all arrangements in connection with this hearing. Mr. Fredrickson recommended that invitations be sent to all Federal agencies in the state, not to testify at the hearing but to attend the meeting. The Bismarck hearing will set the pattern for the other hearings.

**RETENTION OF U.S.
BUREAU OF RECLAMA-
TION OFFICE AT BILLINGS**

Mr. Fredrickson asked for information which he could give to Mr. Rising regarding the retention of the Billings office. It was found that great pressure was being applied on the Bureau of Reclamation by the local Denver interests to consolidate the Billings office with the Denver office.

The Under-secretary of the Interior is a former Colorado man and he has generated in the Senate, through Senator Allott of Colorado, this pressure to retain the Denver office and consolidate the Billings office with the Denver office. Mr. Fredrickson suggested that a map be prepared showing the wide area covered by the Billings office in comparison to the small area covered by the Denver office and the inconvenience for us to have to go to Denver when we want to contact someone. The Water Commission has made no definite overtures through resolution relative to retaining the Billings Regional Office. Mr. Fredrickson stated the Governor sent a telegram and possibly this should be followed by a letter to the Secretary, Department of Interior. Mr. Fredrickson stated he did not know who should be responsible for getting out a joint letter to the Commissioner and the Secretary from the North Dakota congressional men, whether it should Mr. Rising or who should do it. It is understood that the REA's are interested in maintaining the office at Billings. Mr. Fredrickson stated that if a joint letter is gotten out it should be done this week or next, signed jointly by the North Dakota congressmen. It was recommended that Governor Davis, Mr. Fredrickson and Secretary Hoisveen confer on this matter.

**DEVILS LAKE WATER
RIGHT REQUEST AND
LAND PURCHASE DEED**

Secretary Hoisveen stated that the City of Devils Lake had applied to the State Water Conservation Commission for a water right for obtaining water from ground water supplies in the Warwick area. A meeting was held in Warwick and the people in the Warwick area objected to the issuance of a water right to Devils Lake. Considerable money has been spent by the City of Devils Lake in an effort to locate an adequate supply of water. The objections of the Warwick people were based principally on the fact that Devils Lake did not own the land. Devils Lake has now purchased a tract of land consisting of from 29 to 30 acres of land in which they will locate their wells and will probably purchase additional land in the event they are required to do so. On that basis Mr. Hoisveen recommended that the Commission grant a water right to the City of Devils Lake, in view of the development of water for the city from that particular aquifer. The opposition at Warwick, according to Mayor Lanz of Devils Lake, has somewhat abated since the purchase of the land on which they expect to locate their wells. In the event there should be further opposition a hearing could be held. Secretary Hoisveen was also authorized to make certain stipulations in the water right should the pumping adversely affect other wells in the area. It was moved by Commissioner Tucker and seconded by Commissioner Math Dahl that a water right be granted to the City of Devils Lake. All commissioners voted aye and the motion was carried.

**OSCAR BERG- SENATE
SELECT COMMITTEE
HEARING & WATER
USERS CONVENTION**

Mr. Oscar Berg reported that the annual convention of the State Water Users Association is to be held in Bismarck on October 6. Mr. John Hjelle is making arrangements for the use of the auditorium on October 6. It has also been decided that the annual banquet will be held at the Municipal Country Club. The seating is limited to 210. If indications are that there will be a large attendance, the Bismarck group will try to get the other room which will accommodate another 80 people. Senator Kerr will be the banquet speaker. The committee is trying to arrange an attractive banquet and an attractive program. It was suggested that if the Governor had no objections, he appear at the banquet. The President of the Association would take a minute or two at the annual dinner to introduce the Governor as the MC and he in turn would introduce Senator Young, who would introduce Senator Kerr to the group. There would be no hospitality hour. It was thought that the President and Secretary would have a suite of rooms

and if anyone wanted to come up before or after the dinner that would be all the time that could be given to such hospitality. A certain block of tickets would be allocated to Bismarck, Minot, etc. The monthly news bulletin of the North Dakota Water Users Association will be sent out early this month urging the members (1000 paid up membership) to attend the meeting.

NEXT COMMISSION MEETING It was suggested that the next meeting of the North Dakota State Water Conservation Commission be held sometime during the time of the Select Committee

hearing .

CHANNEL CHANGE NEAR CRYSTAL (PEMBINA COUNTY) Commissioner Lunseth reported that the Pembina County Board was in the act of reconstructing the bridge at a new site near Crystal, North Dakota. They expressed a desire to straighten out the channel just east of this particular site to improve the characteristics of the stream. Commissioner Lunseth requested Secretary Hoisveen visit the site. Secretary Hoisveen reported it to be a very agreeable type of channel change and stated that the County Commissioners asked the Commission to participate in the cost. The total cost of the project would be \$1198.40 and would constitute a contribution on the part of the Commission of \$479.35. It was moved by Commissioner Math Dahl and seconded by Commissioner Weinhandl that the Commission approve this change of channel and participate to the extent of \$479.35 on this project. On roll call all commissioners were unanimous and the motion was carried.

PEMBINA DRAIN #6 Secretary Hoisveen stated that Drain #6 would be a reconstruction of an old drain. There is no record that can be found in the records of the Commission where the Commission has participated before in this drain. It would include a drop structure because they have had much erosion in the area. The total cost would be \$42,139, the Commission's participation would be \$14,516 on this project. It was moved by Commissioner Weinhandl and seconded by Commissioner Corwin that the Commission participate in this drainage project. On roll call all commissioners voted aye and the motion was carried.

PEMBINA DRAINS 4 & 18 Drains 4 and 18 are drains that were originally included in the watershed project. The Soil Conservation Service should have taken care of this with government funds; however, the local landowners objected to it at the time and it was excluded from the Tongue River Project. Secretary Hoisveen recommended that the Drain Boards for Drains 4 and 18 go back to the Soil Conservation Service and request them to include these drains in the Tongue River project and to come back to the Water Commission only after they have exhausted all other possibilities. It was moved by Commissioner Corwin and seconded by Commissioner Lunseth that the Commission do not participate in Drains 4 and 18. All commissioners voted aye and the motion was carried.

PEMBINA DRAIN #64 This proposed drain starts just west of interstate highway and follows the north ditch line of the present state highway #81. The drain has been recently reconstructed from the interstate highway to the Red River with a very poorly constructed ditch type drop. The old drain continues west along the south side of the highway (81). The question is why it is being built north of the highway instead of

south. Secretary Hoisveen recommended that before any payments were made this should be explored.

FORT LINCOLN LAGOON Secretary Hoisveen reported that as a result of the pressure from the State Health Department and the Commission the office of the Corps of Engineers is constructing a lagoon at Fort Lincoln.

MEETING PLACE OF MISSOURI BASIN INTER-AGENCY COMMITTEE The program committee of the Missouri Basin Inter-agency Committee held its meeting in Helena in August of this year. The next meeting will be held in Watertown, South Dakota in October. Secretary Hoisveen stated that the April 1960 meeting would be held in North Dakota. The Commissioners should decide where the meeting should be held and possibly some program suggestions. The meeting was held in Bismarck last year, Dickinson the previous year and before that at Minot. It was thought advisable to hold the meeting in one of the cities in the Missouri Basin. Commissioner Weinhandl invited the Missouri Basin Inter-agency Committee to hold its meeting in Minot. This was acceptable to the Commission members. Commissioner Weinhandl suggested that the committee work through Mr. Oscar Berg. Governor Davis and Secretary Hoisveen are to take care of the program.

REPORT- ASSOCIATION OF WESTERN STATE ENGINEERS MEETING Secretary Hoisveen stated that the meeting of the Association of Western State Engineers was held in Santa Fe, New Mexico. He reported that the meeting dealt more with the water problems confronting the states than in previous meetings. Protection of water rights and encroachment by the Federal Government on these rights were discussed. California appeared to have an attitude that they could develop their own water projects with little or no Federal assistance. Secretary Hoisveen averred that many of the better developed states were assailing the use of water for agricultural purposes. This philosophy appeared to be gaining support. Through a practice of the states developing their own resources it might result in those already developed attaining greater development and the undeveloped states would continue to remain undeveloped and the water would be appropriated by the better developed states through attrition.

GOVERNOR'S REPORT ON MEETING WITH BUREAU OF BUDGET Governor Davis reported that on July 23 he appeared before the Bureau of the Budget in connection with the appropriation covering the Missouri River and other water projects in North Dakota. Mr. Staats and Mr. Schwartz discussed the acreage of 250,000. The promise was for a negative attitude. Mr. Bragdon pointed out, in talking about the Heart River, that only a small per cent of the land had been developed.

HEART DAM Commissioner Corwin recommended that something be done to get the Western Heart River irrigation project going. Secretary Hoisveen stated that the project was completed in 1956 and that up to 800 acres of the 2,500 acres in the project were developed. The drouth conditions are now stimulating greater development.

The meeting of the State Water Conservation Commission recessed until 1:15 p.m.

The meeting of the State Water Conservation Commission reconvened at 1:15 p.m. with all members, except Governor Davis, present. Vice chairman Earle Tucker presided.

**ELLENDALE PROJECT
#501**

Senator C. G. Kee, J. D. Crabtree and John Bell of Ellendale appeared before the Commission meeting.

Secretary Hoisveen stated that Senator Kee was appearing on behalf of the people of Ellendale with regard to prospective dam to be constructed west of town. Senator Kee stated that in 1951 the State Water Conservation Commission made a survey in the area for a dam site and the original drawings were made at that time. The project failed to go through because one farmer wouldn't grant an easement, however, he has now changed his mind. This dam would be located seven miles west of Ellendale on Highway 11. Another reason why this was delayed was because the State Highway Department plan to build a new and wider bridge and relocate the highway as at present it has a very dangerous curve. It was felt that the dam and road could be built as a unit. In 1951 when the original plans were made the Game and Fish Department was very enthusiastic and had at that time offered to contribute one-third of the cost. The original drawings had a depth of 15 feet. Now it requires an additional depth of 5 feet or an over-all depth of 20 feet. This is a new ruling of the Game and Fish Department. This dam will not cover more land than they have easements for. Commissioner Corwin wondered if there would be repercussions from Aberdeen, if such a dam was built. Secretary Hoisveen stated that North Dakota has no compact with South Dakota on that particular stream. It might be necessary, as a matter of good policy, to notify them of the proposed construction of this dam, because North Dakota has good working relationships with South Dakota. It was moved by Commissioner Lunseth and seconded by Commissioner Tucker that the State Engineer make a survey of the project to determine its feasibility. All commissioners voted aye and the motion was carried.

HUNTER DAM

Secretary Hoisveen stated that work had been started on Hunter Dam and that everything was going along very

well and all easements which delayed the work are out of the way.

BLACKTAIL DAM

Bids for equipment were let on Blacktail Dam. The bid accepted was for \$41,600, which looked very adequate to do the job. The award was made to Frank Olson, who has an excellent reputation. Work will be commenced immediately after Labor Day.

FROELICH DAM

The Froelich Dam near Selfrige is tied up with the Indian Service. Difficulties have been encountered in obtaining easements on land owned by one Indian party. This will probably delay construction until next year.

The Governor presided for the remainder of the meeting.

**SOURIS RIVER BOARD
OF CONTROL MEETING**

The first meeting of the Inter-agency Souris River Board of Control was held at Minot on June 30. A review of the various gaging stations serving both nations was made. Such gaging stations will help in apportioning the water in a

better manner than at the present time. The next meeting of the Control Board is at Regina on September 11th. The meeting dealt pretty much with apportionment, types of maps to be used and gaging station locations.

DICK FABRICK APPOINTMENT AS INTER-AGENCY JOINT COMMISSION CHAIRMAN Since the death of former Secretary McKay, the Inter-agency Joint Commission does not have a chairman. The name of Dick Fabrick of Montana was suggested as chairman of this commission. It was recommended that a telegram be sent to the President, followed by a resolution or letter recommending the name of Dick Fabrick as chairman of the Inter-agency Joint Commission. It was moved by Commissioner Tucker and seconded by Commissioner Einar Dahl that Secretary Hoisveen draw up a resolution or letter recommending Dick Fabrick as chairman of the Inter-agency Joint Commission. All members voted aye and the motion was carried.

PEMBINA RIVER CONTROL N. B. Bennett of the Bureau of Reclamation and the International Joint Commission Engineering Board wanted control of the Pembina River placed in the hands of the International Joint Commission, and he thought this should be accomplished. Secretary Hoisveen stated he had discussed this with some of the Canadian authorities and suggested to them that possibly the better way should be a resolution if we could arrive at a definite program as to the Pembilier Dam as a joint venture, and recommend it to the International Joint Commission. A resolution was prepared and a copy sent to Senator Trenbeath. Secretary Hoisveen thought this procedure should be followed only if we obtain an established program. The Province of Manitoba and the state of North Dakota are jointly interested in the benefits to be derived from the diversion of the Souris River water and the construction of the Pembilier Dam near Walhalla. The dam would be around 160 feet high and cost \$14,000,000. Secretary Hoisveen stated he would like to withhold turning over the resolution until a program had been worked out with the Canadians.

RESTORATION OF WILDWOOD LAKE Several years ago the Commission made an allotment to the lake and because of lack of interest withdrew it. They are now very much interested in doing something about restoring the lake. Mr. Hoisveen stated that he had discussed the matter with Commissioner Tucker. It was suggested that the Victory Garden pump be used and the proponents are now using this pump to restore the lake. If we could make a restoration of funds to this project it could be developed as originally proposed by the Commission. The Game and Fish Department is also interested in this project. Difficulties are being encountered. The funds allocated were in the sum of \$7000. Secretary Hoisveen stated that we should try to get the original part of the project restored through pumping. It was moved by Commissioner Weinhandl and seconded by Commissioner Corwin that Secretary Hoisveen investigate the situation at Wildwood. All commissioners voted aye and the motion was carried.

U. S. GEOLOGICAL SURVEY Secretary Hoisveen stated that we have a cooperative program with the Hydrographic Branch of the U. S. Geological Survey to investigate water resources in North Dakota. They have conducted some work in connection with Lake Metigoshe, Turtle Mountain area, Blacktail Creek, Mauvais Coulee, Devils Lake area, Little Missouri River Compact Negotiations and others. This agreement is for the period of July 1, 1959 to June 30, 1960 and each party

agrees to contribute \$17,500, to be applied as follows: \$1,500 as an expenditure in the form of services of water commission employees assigned to assist with the work and \$16,000 on a repay basis. Secretary Hoisveen recommended that the cooperative agreement with the U. S. Geological Survey be accepted. It was moved by Commissioner Einar Dahl and seconded by Commissioner Math Dahl that the cooperative agreement with the U. S. Geological Survey be accepted. All commissioners voted aye and the motion was carried.

RICHLAND COUNTY
DRAINS #2, #5,
#17, #63

The following delegation representing Richland County appeared before the Commission: Senator Kenneth Morgan, Senator A. W. Luick, Messrs. Norton Hatlie, Jens Lovdokken, Holger Bertlesen and Ernest Israelson. Mr. Hatlie spoke on behalf of the group. He stated that the Richland County Water Conservation and Flood Control District was requesting 40% aid from the State Water Conservation Commission for the reconstruction of one of their major drains in Richland County, Drain #5, in Walcott Township. This is one of the earliest drains in North Dakota. It was originally constructed before 1900 and was established as a legal drain in 1905. At that time the road or right-of-way and the drain proceeded down on the west side of the township road. In 1905 this ditch was established and at that time had a very limited capacity. It has grown through the years, covering in excess of 50 sections. This year, and years prior to this, because of the great deal of drainage in this area, they have undertaken a series of reconstructions. Prior to 1959 they made a request for 40% state aid for reconstruction. Mr. Hatlie pointed out on a map what the Water Commission and Flood Control District of Richland County was doing in reconstructing Drain #5. The drain would be triple in square footage, and the capacity of the drain has been tripled and to complete the drain they need the state's aid of 40% to pay the contractors. Richland County has a contract in excess of \$14,000 for the repair of this drain. Mr. Hatlie stated that this is a bona fide reconstruction of the drain, and in view of what is being done in other counties Richland County would like a favorable consideration by this board. Secretary Hoisveen stated that the establishment of aid for drains was created in 1943, at which time the Commission was authorized to assist in the drainage in the Red River Valley. Apparently what happened, was that during the '30s the counties were short in drainage funds. Drains were not needed during the drouth period and were filled with dirt and trees were permitted to grow back in them. Funds were appropriated to the Water Commission in the amount of \$50,000 in 1943. The appropriation was for \$300 000 the following year. The money was appropriated for the purpose of reconstructing these drains that had blown full and the construction of new drains. This appropriation has been continued by the State Legislature ever since. The Commission has taken the stand in the past that they would not participate in the reconstruction of a drain if they had participated in a reconstruction or clean out job since 1943. In some instances it appeared as though drain boards had deferred their maintenance of drains and then came back to the Commission for participation of a reconstruction job.

Senator Luick stated that in 1945 the Commission received quite an appropriation. At that time Richland County was in terrible shape. A 40 mile area was drowned out.

Mr. Hatlie stated that they appreciated the help they had received from the Commission and he stated that in the 40's they suffered

from flooding and in the 30's from drouth and would appreciate the participation of the Commission on this Drain. Governor Davis asked as to the cost of Drain #5. Mr. Israelson state that it was around \$14,335.

Mr. Israelson stated that Drain #17 was complete. It is a very short drain. This is a drain that was built in 1906. It was both widened and deepened. The railroad put in a new bridge and the highway is asking that the culvert be deeper down. The contract is for \$15,000.

Mr. Israelson stated that Drain #2 is being made larger and deeper. This department was requested to participate in this drain and Mr. Israelson stated they had been turned down. The drain is almost complete.

Mr. Hatlie stated that drain #63 is a new drain. The drain board in August, 1959 established Drain 63 and is requesting the Commission to participate in this drain. Governor Davis stated that the Commission would appreciate it if the requests came to the Commission first for approval.

Mr. Hatlie stated that this was a new drain board, which had only been in existence since the fall of the year and they were trying to get set up and were not too familiar with the procedure of the Commission. The drain board feels that the clean out, repair and reconstruction of Drain 5 should be considered as a continuation of the work on Drain 5.

Senator Luick stated that the drains were originally built to take care of certain sections of land. It was unlawful for anyone not in on that drain to send water down. He also stated that not too long ago it was unlawful to extend or deepen a drain. He stated that he knew from experience that if people built drains and too much area was drained into it it is over flooded and becomes a detriment to the people. He also stated that was one of the reasons the appropriations were made, to correct such a situation. He stated he had checked on the drain this morning and found it to be a very nice piece of work. He believed it was the intention of the Legislature to take care of just such an emergency.

Secretary Hoisveen stated a letter had been received from the Soil Conservation Service stating they were forwarding plans for cost estimate and specifications from Drain #5, in September 22, 1958. These plans were not received by the Commission.

Commissioner Lunseth inquired if it could be established that this was a reconstruction of the drain and not a clean out, and was advised that it was a reconstruction.

The members of the drain board retired and the Commission went into executive session .

**COMMISSION ACTION
DRAINS #2 and #5**

It was moved by Commissioner Lunseth and seconded by Commissioner Corwin that the Commission approve Drains #2 and #5 in the amount proposed in the cost estimate. Any amount above the estimated cost was to be paid by other sources than the Commission. On roll call all members voted aye and the motion was carried.

COMMISSION ACTION
ON DRAINS #17 and
#63

It was moved by Commissioner Lunseth and seconded by Commissioner Corwin that the Commission approve drains #17 and #63 dependent on the outcome of an inspection by staff members.

WATER RIGHT
#797

Dan Panko of McIntosh, South Dakota is requesting the right to divert 3 acre feet of water from the Cedar River, tributary to the Cannonball River. It was moved by Commissioner Math Dahl and seconded by Commissioner Tucker that water right #797 be approved for 3 acre feet of water from the Cedar River. All commissioners voted aye and the motion was carried.

WATER RIGHT
#798

C. J. Reff and H. T. Fredrickson of Bismarck are requesting 16.6 acre feet from flood waters that back up on Apple Creek. Mr. Holsveen recommended cutting this to 11.0 acre feet. It was moved by Commissioner Math Dahl and seconded by Commissioner Tucker that water right #798 be approved for 11.0 acre feet. All commissioners voted aye and the motion was carried.

WATER RIGHT
#799

The Patterson Land Company propose to take water from a lake which apparently is owned by them. They are requesting 442.4 acre feet. Secretary Holsveen recommended that this be cut to 331.0 acre feet. It was moved by Commissioner Math Dahl and seconded by Commissioner Tucker that the water right be approved for 331.0 acre feet for us on 221.2 acres of land. All commissioners voted aye and the motion was carried.

WATER RIGHT
#800

The Patterson Land Company is requesting a water right to irrigate 253.8 acre fee or 126.9 acres from Apple Creek. Secretary Holsveen recommended that this application be rejected or held in abeyance until such a time as water may be available to Apple Creek through importation. It was moved by Commissioner Math Dahl and seconded by Commissioner Tucker that water right #800 be rejected or held in abeyance until such time as water may be available through importation into Apple Creek. All commissioners voted aye and the motion was carried.

Mr. Fredrickson announced that the President had vetoed the Public Works Bill.

Governor Davis read a letter from Mr. Brooks commending Commissioner Tucker on the talk he gave at the 11th Annual Water Users Conference at Sidney, Montana.

Jack Swenson took moving pictures of the commission members.

The meeting adjourned at 3:15 p.m.

Respectfully submitted,


Milo W. Holsveen, Secretary

ATTEST:


John E. Davis, Governor

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF AUGUST 31, 1959
 1959-1961 APPROPRIATIONS

| FUND | AVAILABLE FUNDS | | DISBURSEMENTS | | FUND BALANCES | | |
|--------------------------------|--------------------------------|--------------------------|-------------------------|-------------------------|--------------------------------|--------------------------|--------------------------------|
| | APPROPRIATION | RECEIPTS | TO DATE | AUG' 59 | UNEXPENDED | ENCUMB. | UNENCUMB. |
| 1. COMM PER DIEM & EXPENSES | 6,000.00 | .00 | 100.28 | 79.25 | 5,899.72 | .00 | 5,899.72 |
| 2. ADMINISTRATION | 49,200.00 | 24.75 | 3,406.13 | 1,806.05 | 45,818.62 | .00 | 45,818.62 |
| 3. MAINTENANCE OF DAMS | 115,000.00 | .00 | 16,909.08 | 12,568.81 | 98,090.92 | .00 | 98,090.92 |
| 4. INT'L & INTERSTATE EXP. | 10,000.00 | .00 | 396.33 | 227.73 | 9,603.67 | .00 | 9,603.67 |
| 5. TOPOGRAPHIC SURVEYS, USGS | 30,000.00 | .00 | .00 | .00 | 30,000.00 | 30,000.00 | .00 |
| 6. HYDROGRAPHIC SURVEYS, USGS | 27,500.00 | .00 | .00 | .00 | 27,500.00 | .00 | 27,500.00 |
| 7. ENGR & GEOL SURVEYS, USGS | 57,500.00 | .00 | 2,474.20 | 1,987.09 | 55,025.80 | .00 | 55,025.80 |
| 8. COOP WITH U. S. DEPT., ETC. | 57,000.00 | .00 | 3,381.86 | 2,007.50 | 53,618.14 | .00 | 53,618.14 |
| 9. ENGINEERING INVESTIGATIONS | 138,000.00 | .00 | 10,756.35 | 6,429.14 | 127,243.65 | .00 | 127,243.65 |
| 0. ADM OF WATER LAWS | 6,000.00 | .00 | 612.76 | 382.13 | 5,387.24 | .00 | 5,387.24 |
| 1. OASIS CONTRIBUTIONS | 6,500.00 | .00 | .00 | .00 | 6,500.00 | .00 | 6,500.00 |
| 10. MULTIPLE PURPOSE "CAR FWD" | 178,751.98 200,000.00 | 1,084.63 | 5,234.45 | .00 | 374,602.16 | 135,687.04 | 238,915.12 |
| 11. CONST BOND GUAR. "CAR FWD" | <u>77,056.64</u> 958,508.62 | <u>25.00</u> 1,134.38 | <u>.00</u> 43,271.44 | <u>.00</u> 25,487.70 | <u>77,081.64</u> 916,371.56 | <u>.00</u> 165,687.04 | <u>77,081.64</u> 750,684.52 |

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MONTHLY REPORT OF APPROPRIATIONS AS OF AUGUST 31, 1959
1957-1959 APPROPRIATIONS

| FUND | AVAILABLE FUNDS | | DISBURSEMENTS | | FUND BALANCES | | |
|-----------------------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-----------------|-----------------|
| | APPROPRIATION | RECEIPTS | TO DATE | AUG' 59 | UNEXPENDED | ENCUMB. | UNENCUMB. |
| 1. COMM PER DIEM & EXP | 6,000.00 | .00 | 5,476.38 | 14.00 | 523.62 | .00 | 523.62 |
| 2. ADMINISTRATION | 47,000.00 | 2,069.52 | 48,649.13 | 596.22 | 4,203.9 | 315.00 | 105.39 |
| 3. MAINTENANCE OF DAMS "SEE NOTE" | 105,000.00 | 94,609.27 | 105,378.44 | 421.12 | 4,230.83 | .00 | 4,230.83 |
| 4. INT'L & INTERSTATE EXP | 8,000.00 | 14.85 | 7,997.33 | .00 | 17.52 | .00 | 17.52 |
| 5. TOPOGRAPHIC SURVEYS, USGS | 30,000.00 | .00 | 30,000.00 | .00 | .00 | .00 | .00 |
| 6. HYDROGRAPHIC SURVEYS, USGS | 27,500.00 | .00 | 27,430.70 | .00 | 69.30 | 69.30 | .00 |
| 7. ENGR & GEOL SURVEYS, USGS | 37,500.00 | 5,306.81 | 42,804.06 | 1,447.40 | 2.75 | 2.75 | .00 |
| 8. COOP WITH U. S. DEPT., ETC. | 50,000.00 | 10.00 | 49,996.04 | 156.14 | 13.96 | 8.89 | 5.07 |
| 9. SMALL PROJECTS, ETC. | 118,000.00 | 2,374.98 | 118,248.25 | 461.40 | 2,126.73 | 1,813.96 | 312.77 |
| 0. ADM. OF WATER LAWS | 6,000.00 | .00 | 6,000.00 | 224.70 | .00 | .00 | .00 |
| 1. OASIS CONTRIBUTIONS | 3,800.00 | 4,541.24 | 8,341.24 | .00 | .00 | .00 | .00 |
| | <u>438,800.00</u> | <u>108,926.67</u> | <u>540,321.57</u> | <u>3,320.98</u> | <u>7,405.10</u> | <u>2,209.90</u> | <u>5,195.20</u> |

NOTE... REFUNDS DUE SHOWN ON BUDGET REPORT, UNENCUMB. BAL. TO BE USED FOR PARTIAL PAYMENT OF STEEL ORDERED IN JUNE, 1959.

PAYROLL
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
AUGUST 31, 1959

PERMANENT EMPLOYEES

| NAME | POSITION | PAY GRADE | REMARKS | SALARY AUGUST | WITH. TAX | SOC. SEC. | HOSP. INS. | BONDS | NET PAY |
|-----------------------|----------------|-----------|-------------|---------------|-----------|-----------|------------|-------|----------|
| HOISVEEN, MILO W. | STATE ENGINEER | 0-7 | INC JUL '59 | 904.67 | 132.00 | | | | 741.32 |
| BAESLER, GORDON | DRAFTSMAN | F-5 | INC JUL '59 | 354.67 | 44.10 | 8.86 | 12.60 | 18.75 | 301.71 |
| BISCHOF, DONALD | ENGINEER'S AID | D-1 | STA JUN '59 | 225.00 | 30.70 | 5.63 | | | 188.67 |
| COOPER, VERNON S. | ASST SECRETARY | 1/2 M-5 | INC JUL '59 | 373.84 | 71.00 | 9.35 | 12.60 | | 280.89 |
| FREDRICKSON, FRED | COORDINATOR | G-3 | INC JUL '59 | 388.67 | 39.80 | 9.72 | | | 339.15 |
| GEHRING, EDNA | FILE CLERK | C-6 | INC JUL '59 | 220.42 | 40.00 | 5.51 | 5.45 | | 169.46 |
| GRINDBERG, ALAN | ENGINEER | H-7 | INC JUL '59 | 491.67 | 78.20 | 12.29 | 5.45 | | 395.73 |
| HILAND, LEONE | CHIEF STENO | F-5 | STA JUN '59 | 354.67 | 44.10 | 8.87 | 5.45 | | 296.25 |
| KREBSBACH, JOSEPH | INSTRUMENTMAN | F-8 | INC MAY '59 | 383.17 | 18.40 | 9.58 | 12.60 | | 342.59 |
| PUTZ, ROY | MATERIAL EXP. | A-9 | INC DEC '57 | 185.00 | 13.50 | 4.63 | 5.45 | | 161.42 |
| REITER, DANIEL | CONST. FOREMAN | F-9 | INC MAR '59 | 392.67 | 31.30 | 9.82 | 12.60 | 18.75 | 320.20 |
| SACKMAN, EUGENE | INSTRUMENTMAN | F-5 | INC MAR '59 | 354.67 | 14.00 | 8.86 | 12.60 | | 319.21 |
| SANDWICK, HAZEN | ENGINEER | K-6 | INC JUL '59 | 651.67 | 68.80 | 9.35 | 12.60 | 37.50 | 523.42 |
| SCHULZ, DELTON | ENGINEER'S AID | D-1 | STA JUN '59 | 225.00 | 30.70 | 5.63 | | | 188.67 |
| SCHULZ, JIM | BOOKKEEPER | F-5 | INC JUL '59 | 354.67 | 34.10 | 8.87 | | | 311.70 |
| SCHWINKENDORF, DONALD | RODMAN | B-10 | INC AUG '59 | 211.67 | 27.80 | 5.29 | | | 178.58 |
| SILBERNAGEL, JACOB | RODMAN | B-7 | INC AUG '59 | 196.67 | 25.60 | 4.92 | | | 166.15 |
| TIMM, ROBERT J. | ASST ST ENGR | K-8 | INC JUL '59 | 685.67 | 76.00 | 3.38 | 12.60 | | 593.69 |
| ULRICH, DUANE | RODMAN | A-9 | STA JUL '59 | 185.00 | 3.50 | 4.63 | | | 176.87 |
| VETTER, DALE | RODMAN | A-9 | STA JUL '59 | 214.84 | 27.29 | 5.38 | | | 182.17 |
| WALTERSON, HOWARD | CONST. FOREMAN | F-9 | PER MAR '59 | 392.67 | 61.30 | 9.82 | 12.60 | | 308.95 |
| WALTERSON, JEAN | CLERK-TYPIST | D-4 | INC JUL '59 | 245.25 | 13.90 | 6.13 | | | 206.47 |
| ZIEGLER, VICTOR | ENGINEER | K-2 | INC JUL '59 | 583.67 | 86.20 | 14.59 | 12.60 | 18.75 | 470.28 |
| TOTALS | | | | 8,575.90 | 1,012.29 | 171.11 | 135.20 | 93.75 | 7,163.55 |

PAYROLL
 NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 AUGUST 31, 1959

TEMPORARY EMPLOYEES

| NAME | POSITION | PAY GRADE | REMARKS | SALARY AUGUST | WITH. TAX | SOC. SEC. | HOSP. INS. | BONDS | NET PAY |
|------------------------|----------|--------------|-------------|------------------|---------------|---------------|---------------|------------|-----------------|
| BUECHLER, HERBERT | DRILLER | 1.75 | RES JUL' 59 | 112.00 | 15.60 | 2.80 | | | 93.60 |
| BURKHARDSMEIER, ALBERT | OPERATOR | 1.90 | INC JUL' 59 | 513.95 | 75.60 | 12.85 | | | 425.50 |
| FLANAGAN, RAY | DRILLER | 1.85 | STA JUL' 59 | 315.43 | 4.50 | 7.89 | | | 303.04 |
| JOHNSON, GEORGE T. | OPERATOR | 1.85 | INC JUL' 59 | 493.03 | 73.75 | 12.33 | | | 406.95 |
| KNUTSON, LEWIS | DRILLER | 2.05 | INC JUL' 59 | 588.95 | 97.60 | 14.73 | | | 476.62 |
| LAUINGER, ANTON B. | OPERATOR | 1.90 | INC JUN' 59 | 447.45 | 68.80 | 11.19 | | | 367.46 |
| LEE, JEROME G. | LABORER | 1.50 | STA AUG' 59 | 115.50 | 13.45 | 2.89 | | | 99.16 |
| LEE, ROGER | LABORER | 1.50 | STA AUG' 59 | 115.50 | 13.45 | 2.89 | | | 99.16 |
| MCMASTER, GEORGE | DRILLER | 2.65 | INC JUL' 59 | 686.35 | 102.40 | 17.16 | | | 566.79 |
| MORKERT, KENNETH | LABORER | 1.60 | RES JUL' 59 | 216.00 | 25.10 | 5.40 | | | 185.50 |
| MOTIS, BENNIE | LABORER | 1.50 | STA AUG' 59 | 115.50 | 13.45 | 2.89 | | | 99.16 |
| NELSEN, ROLAND G. | OPERATOR | 1.65 | RES JUL' 59 | 66.00 | 9.80 | 1.65 | | | 54.55 |
| NEWGARD, DENNIS | LABORER | 1.65 | STA JUL' 59 | 309.39 | 46.60 | 7.73 | | | 255.06 |
| PETERSON, JOHN J. | LABORER | 1.65 | STA JUL' 59 | 333.31 | 50.80 | 8.33 | | | 274.18 |
| SILBERNAGEL, JOSEPH | DRILLER | 2.10 | TEM JUL' 59 | 509.25 | 81.50 | 12.73 | | | 415.02 |
| URNESS, JOSEPH G. | OPERATOR | 1.90 | RES JUL' 59 | 202.35 | 31.25 | 5.06 | | | 166.04 |
| TOTALS | | | | <u>5,139.96</u> | <u>723.65</u> | <u>128.52</u> | <u>.00</u> | <u>.00</u> | <u>4,287.79</u> |

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MONTHLY REPORT OF APPROPRIATIONS AS OF SEPTEMBER 30, 1959
1959-1961 APPROPRIATIONS

| FUND | AVAILABLE FUNDS | | DISBURSEMENTS | | FUND BALANCES | | |
|--------------------------------|--------------------------|-----------------|------------------|------------------|-------------------|-------------------|-------------------|
| | APPROPRIATIONS | RECEIPTS | TO DATE | SEP'59 | UNEXPENDED | ENCUMB. | UNENCUMB. |
| 1. COMM PER DIEM & EXP | 6,000.00 | .00 | 312.08 | 211.80 | 5,687.92 | .00 | 5,687.92 |
| 2. ADMINISTRATION | 49,200.00 | 39.75 | 5,321.54 | 1,915.41 | 43,918.21 | 250.75 | 43,667.46 |
| 3. MTCE OF DAMS | 115,000.00 | 2,073.66 | 29,588.85 | 12,679.77 | 87,484.31 | 52,757.49 | 34,727.32 |
| 4. INT'L & INTERSTATE EXP | 10,000.00 | .00 | 1,013.64 | 617.31 | 8,986.36 | .00 | 8,986.36 |
| 5. TOPOGRAPHIC SURVEYS, USGS | 30,000.00 | .00 | .00 | .00 | 30,000.00 | 30,000.00 | .00 |
| 6. HYDROGRAPHIC SURVEYS, USGS | 27,500.00 | .00 | .00 | .00 | 27,500.00 | 17,500.00 | 10,000.00 |
| 7. ENGR & GEOL SURVEYS, USGS | 57,500.00 | .00 | 3,411.42 | 937.22 | 54,088.58 | 29,088.58 | 25,000.00 |
| 8. COOP WITH U. S. DEPT, ETC | 57,000.00 | .00 | 5,105.74 | 1,723.38 | 51,894.26 | 120.00 | 51,774.26 |
| 9. ENGINEERING INVESTIGATIONS | 138,000.00 | .00 | 17,013.81 | 6,257.46 | 120,986.19 | 1,135.01 | 119,851.18 |
| 0. ADM OF WATER LAWS | 6,000.00 | .00 | 823.50 | 210.74 | 5,176.50 | .00 | 5,176.50 |
| 1. OASIS CONTRIBUTIONS | 6,500.00 | .00 | .00 | .00 | 6,500.00 | 1,263.39 | 5,236.61 |
| 10. MULTIPLE PURPOSE "CAR FWD" | 178,751.98 200,000.00 | 2,334.63 | 26,509.93 | 21,275.48 | 354,576.68 | 177,467.46 | 177,109.22 |
| 11. CONST BOND GUAR. "CAR FWD" | 77,056.64 | 87.50 | .00 | .00 | 77,144.14 | .00 | 77,144.14 |
| | <u>958,508.62</u> | <u>4,535.54</u> | <u>89,100.51</u> | <u>45,829.07</u> | <u>873,943.65</u> | <u>309,582.68</u> | <u>564,360.97</u> |

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF SEPTEMBER 30, 1959
 1957-1959 APPROPRIATIONS

| FUND | AVAILABLE FUNDS | | DISBURSEMENTS | | FUND BALANCES | | |
|-------------------------------|-------------------|-------------------|-------------------|-----------------|------------------|-----------------|---------------|
| | APPROPRIATION | RECEIPTS | TO DATE | SEP' 59 | UNEXPENDED | ENCUMB. | UNENCUMB. |
| 1. COMM PER DIEM & EXP | 6,000.00 | .00 | 5,476.38 | .00 | 523.62 | .00 | 523.62 |
| 2. ADMINISTRATION | 47,000.00 | 2,069.52 | 48,649.13 | .00 | 420.39 | 270.50 | 149.89 |
| 3. MTCE OF DAMS | 105,000.00 | 9,605.31 | 105,378.44 | .00 | 9,226.87 | 9,226.87 | .00 |
| 4. INT'L & INTERSTATE EXP | 8,000.00 | 14.85 | 7,997.33 | .00 | 17.52 | .00 | 17.52 |
| 5. TOPOGRAPHIC SURVEYS, USGS | 30,000.00 | .00 | 30,000.00 | .00 | .00 | .00 | .00 |
| 6. HYDROGRAPHIC SURVEYS, USGS | 27,500.00 | .00 | 27,500.00 | 69.30 | .00 | .00 | .00 |
| 7. ENGR & GEOL SURVEYS, USGS | 37,500.00 | 5,306.81 | 42,806.81 | 2.75 | .00 | .00 | .00 |
| 8. COOP WITH U. S. DEPT, ETC | 50,000.00 | 10.00 | 50,004.93 | 8.89 | 5.07 | .00 | 5.07 |
| 9. SMALL PROJECTS, ETC | 118,000.00 | 2,374.98 | 119,912.21 | 1,663.96 | 462.77 | 365.20 | 97.57 |
| 0. ADM OF WATER LAWS | 6,000.00 | .00 | 6,000.00 | 6.00 | .00 | .00 | .00 |
| 1. OASIS CONTRIBUTIONS | <u>3,800.00</u> | <u>4,541.24</u> | <u>8,341.24</u> | <u>.00</u> | <u>.00</u> | <u>.00</u> | <u>.00</u> |
| | <u>438,800.00</u> | <u>113,922.71</u> | <u>542,066.47</u> | <u>7,744.90</u> | <u>10,656.24</u> | <u>9,862.57</u> | <u>793.67</u> |

PAYROLL
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
SEPTEMBER 30, 1959

PERMANENT EMPLOYEES

| NAME | POSITION | PAY GRADE | REMARKS | SALARY SEPTEMBER | WITH. TAX | SOE. SEC. | HOSP. INS. | BONDS | NET PAY |
|-----------------------|-------------|--------------|-------------|---------------------|--------------|--------------|---------------|-------|------------|
| HOISVEEN, MILO W. | STATE ENGR | O-7 | INC JUL '59 | 904.67 | 132.00 | | 12.60 | 18.75 | 741.32 |
| BAESLER, GORDON | DRAFTSMAN | F-5 | INC JUL '59 | 354.67 | 44.10 | 8.87 | | | 301.70 |
| BISCHOF, DONALD | ENGR AID | D-1 | RES SEP '59 | 75.00 | 10.23 | 1.88 | | | 62.89 |
| COOPER, VERNON S. | ASST SEC'Y | M-5 | INC JUL '59 | 373.84 | 71.00 | 9.35 | 12.60 | | 280.89 |
| FREDRICKSON, FRED | COORDINATOR | G-3 | INC JUL '59 | 388.67 | 39.90 | 9.72 | | | 339.15 |
| GEHRING, EDNA | FILE CLERK | C-6 | INC JUL '59 | 220.42 | 40.00 | 5.51 | 5.45 | | 169.46 |
| GRINDBERG, ALAN | ENGINEER | H-7 | INC JUL '59 | 491.67 | 78.20 | 12.29 | 5.45 | | 395.73 |
| HILAND, LEONE | CH STENO | F-5 | STA JUN '59 | 354.67 | 44.10 | 8.87 | 5.45 | | 296.25 |
| KOST, LLOYD E. | RODMAN | A-9 | STA SEP '59 | 141.83 | 18.02 | 3.55 | | | 120.26 |
| KREBSBACH, JOSEPH | INST MAN | F-8 | INC MAY '59 | 383.17 | 18.40 | 9.58 | 12.60 | | 342.59 |
| PUTZ, ROY | MAT. EXP. | A-9 | INC DEC '57 | 185.00 | 13.50 | 4.63 | 5.45 | | 161.42 |
| REITER, DANIEL | FOREMAN | F-9 | INC MAR '59 | 392.67 | 31.30 | 9.82 | 12.60 | 18.75 | 320.20 |
| SACKMAN, EUGENE | INST. MAN | F-5 | INC MAR '59 | 354.67 | 14.00 | 8.86 | 12.60 | | 319.21 |
| SANDWICK, HAZEN | ENGINEER | K-6 | INC JUL '59 | 651.67 | 68.80 | | 12.60 | 37.50 | 532.77 |
| SCHULZ, DELTON | ENGR AID | D-1 | RES SEP '59 | 135.00 | 18.42 | 3.38 | | | 113.20 |
| SCHULZ, JIM | BOOKKEEPER | F-5 | INC JUL '59 | 354.67 | 34.10 | 8.87 | | | 311.70 |
| SCHWINKENDORF, DONALD | RODMAN | B-10 | INC AUG '59 | 211.67 | 27.90 | 5.29 | | | 178.58 |
| SILBERNAGEL, JACOB | RODMAN | B-7 | INC AUG '59 | 196.67 | 25.60 | 4.92 | | | 166.15 |
| TIMM, ROBERT J. | ASST ST ENG | K-8 | INC JUL '59 | 685.67 | 76.00 | | 12.60 | | 597.07 |
| ULRICH, DUANE | RODMAN | A-9 | RES SEP '59 | 111.00 | 2.10 | 2.78 | | | 106.12 |
| WALTERSON, HOWARD | FOREMAN | F-9 | PER MAR '59 | 392.67 | 61.30 | 9.82 | 12.60 | | 308.95 |
| WALTERSON, JEAN | TYPIST | D-4 | INC JUL '59 | 245.25 | 13.90 | 6.13 | | | 225.22 |
| ZIEGLER, VICTOR | ENGINEER | K-2 | INC JUL '59 | 583.67 | 86.20 | 8.68 | 12.60 | | 476.19 |
| TOTALS | | | | 8,188.99 | 968.87 | 142.80 | 135.20 | 75.00 | 6,867.02 |

PAYROLL
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
SEPTEMBER 30, 1959

TEMPORARY EMPLOYEES

| NAME | POSITION | PAY GRADE | REM REMARKS | SALARY SEPTEMBER | WITH. TAX | SOC. SEC. | HOSP. INS. | BONDS | NET PAY |
|------------------------|----------|--------------|----------------|---------------------|---------------|---------------|---------------|------------|----------------|
| BURKHARDSMEIER, ALBERT | OPERATOR | 1.90 | INC JUL '59 | 520.60 | 77.50 | 13.02 | | | 430.08 |
| FLANAGAN, RAY | DRILLER | 1.85 | STA JUL '59 | 519.86 | 4.50 | 13.00 | | | 502.36 |
| HANSEN, ALVIN | LABORER | 1.50 | STA SEP '59 | 300.75 | 8.80 | 7.52 | | | 284.43 |
| HANSEN, G.R. EDWARD | LABORER | 1.50 | STA SEP '59 | 293.25 | 44.85 | 7.34 | | | 241.06 |
| HANSEN, FREDERICK | LABORER | 1.50 | STA SEP '59 | 288.75 | 44.10 | 7.22 | | | 237.43 |
| HANSON, GEORGE T. | OPERATOR | 1.85 | INC JUL '59 | 501.36 | 75.20 | 12.54 | | | 413.62 |
| HUTSON, LEWIS | DRILLER | 2.05 | INC JUL '59 | 217.30 | 33.70 | 5.43 | | | 178.17 |
| LAUINGER, ANTON B. | OPERATOR | 1.90 | INC JUN '59 | 373.35 | 55.45 | 9.34 | | | 308.56 |
| LEE, JEROME G. | LABORER | 1.60 | INC SEP '59 | 403.45 | 58.55 | 10.09 | | | 334.81 |
| LEE, ROGER | LABORER | 1.60 | INC SEP '59 | 403.45 | 58.55 | 10.09 | | | 334.81 |
| MACMASTER, GEORGE | DRILLER | 2.65 | INC JUL '59 | 280.90 | 41.30 | 7.02 | | | 232.58 |
| MOTIS, BENNIE | LABORER | 1.50 | RES AUG '59 | 138.00 | 17.15 | 3.45 | | | 117.40 |
| NEVGARD, DENNIS | LABORER | 1.70 | INC SEP '59 | 350.23 | 51.30 | 8.76 | | | 290.17 |
| PETERSON, JOHN J. | LABORER | 1.70 | INC SEP '59 | 340.33 | 49.65 | 8.51 | | | 282.17 |
| SILBERNAGEL, JOSEPH | DRILLER | 2.10 | TEM JUL '59 | 590.10 | 94.20 | 14.76 | | | 481.14 |
| | | | | <u>5521.68</u> | <u>714.80</u> | <u>138.09</u> | <u>.00</u> | <u>.00</u> | <u>4668.79</u> |