

STATE WATER CONSERVATION COMMISSION
MINUTES OF MEETING
HELD IN OFFICE OF STATE WATER COMMISSION IN
BISMARCK, NORTH DAKOTA
JUNE 19, 1959

A regular meeting of the North Dakota State Water Conservation Commission was called to order on June 19, 1959, in the office of the Commission, State Capitol Building to consider routine business matters. The following were present:

MEMBERS OF THE STATE WATER CONSERVATION COMMISSION:

- Earle F. Tucker, Vice Chairman, Bismarck
- Einar Dahl, Member from Watford City
- Oscar Lunseth, Member from Grand Forks
- Math Dahl, Commissioner Agriculture & Labor, Bismarck
- Fred Fredrickson, Planning Coordinator, Washington, D. C.
- Milo W. Hoisveen, Secretary & Chief Engineer, State Engineer, Bismarck
- Vernon Cooper, Assistant Secretary, Bismarck

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

APPROVAL OF MINUTES It was moved by Commissioner Einar Dahl and seconded by Commissioner Tucker that the Minutes of May 20, 1959 meeting be approved and filed in the office of the State Water Commission. All members voted aye and said motion was carried.

FINANCIAL STATEMENT FOR MAY Commissioner Tucker made a motion which was seconded by Commissioner Einar Dahl that the Financial Statement for May 1959 be approved. All members voted aye and said motion was carried.

A. M. CHRISTENSEN RESOLUTIONS The City of Fargo, through its Board of City Commissioners forwarded a copy of Resolution to this Commission in tribute to A. M. Christensen, former member of the State Water Conservation Commission. The resolution is Annex A. Commissioner Einar Dahl moved that the following resolution be approved. It was seconded by Commissioner Tucker and unanimously adopted. The resolution is as follows:

RESOLUTION

WHEREAS, God in His infinite wisdom has called from our midst our esteemed friend and colleague, A. M. Christensen; and

WHEREAS, A.M. Christensen was appointed to membership on the State Water Conservation Commission in 1949 and reappointed in 1955, and during his tenure of office gave freely of his time to the work of the Commission; and

WHEREAS, we, as members of the Commission greatly appreciated his accurate and instantaneous decisions relating to our interests in our state water resources; and

WHEREAS, not only this Commission, but the State of North Dakota, and especially the City of Minot and surrounding community, has suffered a distinct loss in his passing.

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NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Conservation Commission in meeting assembled this 19th day of June, 1959;

That we, the members of this Commission, will greatly miss the wise counsel and able assistance of our departed friend and colleague and that we do hereby express to Mrs. Christensen and their son and daughter our sympathy and condolence in their time of sorrow; and

BE IT FURTHER RESOLVED: that a copy of this resolution be mailed to Mrs. Christensen and to the son and daughter of our departed colleague.

QUIT CLAIM DEED A Quit Claim Deed, conveying certain real estate to the State of North Dakota by the North Dakota State Water Conservation Commission was read. The real estate is conveyed subject to the limitation or reservation which the State Water Conservation Commission shall have to fifteen (15) acres of tillable land for irrigation research purposes in the event interest in developing Missouri bottom lands is manifested. It was moved by Commissioner Einar Dahl and seconded by Commissioner Math Dahl that the Quit Claim Deed be signed by the Chairman and Secretary of the State Water Conservation Commission, subject to the limitation or reservation which the State Water Conservation Commission shall have to fifteen (15) acres of tillable land for irrigation research purposes in the event interest in developing Missouri bottomlands is manifested. All members voted aye and the motion was carried.

WESTHOPE EASEMENT Mr. Fredrickson reported the result of negotiations with the Fish and Wildlife Service in connection with the Westhope easement. The Fish and Wildlife Service agreed to grant an easement to Westhope for withdrawal of water under the right the Commission has granted them. Mr. Fredrickson indicated that a charge may be made by the Federal Fish and Wildlife Service to the City of Westhope for using their dam.

APPROPRIATION GARRISON A resolution was presented by Mr. Fredrickson in connection with the Garrison Diversion Unit. The House of Representatives reduced the appropriation for the Garrison Diversion Unit to \$300,000. The amount requested was the sum of \$550,000. Senator Young feels he will be able to restore the \$250,000 to the appropriations. Commissioner Einar Dahl moved that the following resolution be adopted. Commissioner Math Dahl seconded the motion and the following resolution was unanimously adopted:

RESOLUTION

Of The

North Dakota State Water Conservation Commission
Urging Restoration of House Reduction in the 1960
Budget Estimate for the Garrison Diversion Unit
Adopted June 19, 1959

WHEREAS, the Congress of the United States, when authorizing the Missouri River Basin Project in 1944, agreed to provide an adequate water supply for and to execute a comprehensive program of reclamation development in North Dakota as part compensation for the taking of more than half a million acres of good farm lands for the construction of the Garrison and Oahe reservoirs; and

WHEREAS, the Garrison Diversion Unit, in the central and eastern portions of the State, proposes the irrigation of 1,007,000 acres of lands, already under cultivation, in the vicinity of the Souris, Sheyenne, and upper James Rivers,

the restoration of lakes and streams, and the providing for pollution abatement and supplying of municipal and industrial water along the three rivers and in the valley of the Red River of the North; and

WHEREAS, North Dakota's stake in the basin project is the promised irrigation development, without which the State and her people will not be fully compensated, under the agreement, for the loss of valuable lands taken for reservoirs, the production, income, and tax revenue from which are forever lost; and

WHEREAS, the Bureau of Reclamation in 1957 completed a unit report presenting the general plan of development and its feasibility along with detailed data for those features proposed for initial construction, and has continued working on detailed topographic mapping and land classification, canal, lateral, and drainage layouts, cost estimates and economic studies in selected areas in order to complete and have available definite plan reports thereon; and

WHEREAS, the House of Representatives reduced by \$250,000 the budget estimate of \$550,000 for the Garrison Diversion Unit, which reduction will badly disrupt the technical staff, seriously hamper and delay the work programed for fiscal year 1960, and ultimately increase the project cost by an amount greater than any savings effected thereby;

NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Conservation Commission, the State agency having jurisdiction, control, and supervision over the water resources and their development, meeting in the State Capitol, Bismarck, North Dakota, June 19, 1959, that the Senate Committee on Appropriations and the Conference Committee on Public Works Appropriations for 1960, be, and they are hereby, most respectfully petitioned and requested to approve and recommend the restoration of the \$250,000 House reduction in the budget estimate of \$550,000 for the Garrison Diversion Unit; and

BE IT FURTHER RESOLVED that the Commission Secretary transmit copies hereof to Senators William Langer and Milton R. Young, and Senator Carl Hayden, Chairman, Senate Committee on Appropriations, and to Representatives Quentin N. Burdick and Don L. Short, and Representative Clarence Cannon, Chairman, House Committee on Appropriations.

QUALITY WATER STUDIES WITH U. S. GEOLOGICAL SURVEY Secretary Hoisveen stated that Mr. Don Culberton, District Engineer with the Water Quality Division of the U. S. Geological Survey, was attempting to get an appropriation for the purpose of placing a man in North Dakota to work in quality of water for various uses in the state. This venture would be a cooperative one with the State Water Conservation Commission paying one-half of the cost of \$5000 per annum for this study. Mr. Hoisveen stated that he felt the same work could be accomplished through the State Laboratory or the Agricultural College at a cost of \$1000 or \$1500. Our staff can collect the samples as required. It was moved by Commissioner Einar Dahl and seconded by Commissioner Math Dahl that no authorization be made for participation in this quality water study survey. All members voted aye and the said motion was carried.

SCHLENKER DAM Secretary Hoisveen stated that on May 11, 1959 the McIntosh County Wildlife Club of Ashley, North Dakota, went on record favoring the repairing of the Schlenker Dam located in McIntosh County to preserve more water for wildlife. This particular dam was well constructed but is now in need of repairs. Investigation showed that it would cost \$11,000 or \$12,000 to

place the dam in good operating condition. The public use is very limited. It is limited to almost one farmer by the name of Schlenker. The McIntosh County Commissioners are not favorably impressed with it and do not appear to want to cooperate in making the repair. The Game and Fish Department is reluctant to participate because of the small amount of benefit it would have in their field. On the basis of its present use the Commission expressed a desire to table the request.

NORTHERN STATES POWER COMPANY REQUEST Secretary Hoisveen stated that the Northern States Power Company is requesting authority to erect an overhead 23 KV power line across the Red River of the North between Fargo, North Dakota and Moorhead, Minnesota. The crossing will be approximately 350 feet upstream from the 2nd Avenue North Bridge and the low point of sag will be 27 feet above the 1897 high water. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that the Commission approve the request. All commissioners voted aye and the motion was carried.

WILLISTON PARK BOARD REQUEST Secretary Hoisveen stated that the original bill for clearing out the upper lake was \$1204.63 of which the commission paid \$480. The Williston Park Board is now requesting that we stand another 400 for the purpose of smoothing the bottom of the lake and to haul sand and gravel to make the beach. The bottom of the lake was left very rough due to the frozen condition of the lake bottom. Secretary Hoisveen stated that he did not believe the Commission should participate in beach construction as this would open a new field of endeavor for the Commission and our present appropriation was inadequate to care for the additional work. It was proposed by Mr. Hoisveen that we pay for 40% of the leveling of the bottom of the lake, which would be \$300, in addition to the \$480 already spent. It was moved by Commissioner Einar Dahl and seconded by Commissioner Math Dahl that the Commission pay an additional \$300 to the Williston Park Board for leveling the bottom of the lake. All members voted aye and the motion was carried.

CONCURRENCE OF APPOINTMENT OF SECRETARY HOISVEEN TO SERVE AS U.S. REPRESENTATIVE ON THE SOURIS RIVER PROBLEM Secretary Hoisveen stated that Mr. Douglas McKay, who is the chairman of the United States Section of the International Joint Commission had appointed him as a United States member of the International Souris River Board of Control as recommended by Governor Davis and in view of the fact that it is a water situation the appointment should also be endorsed by the members of the State Water Commission. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that the appointment of Secretary Hoisveen as a member of the International Souris River Board be approved. All members voted aye and the motion was carried.

COUNCIL OF STATE GOVERNMENT MEETING AND WATER RIGHT PROBLEM APPOINTMENT Secretary Hoisveen stated that Governor Davis had sent him to the Council of State Government Conference on State Water Problems in May, 1959. There were over one hundred people in attendance, representing forty-two states and Puerto Rico. The conference was sponsored by the Council of State Governments. Secretary Hoisveen was elected to the executive board of the Conference and he felt the Commission should approve his appointment. There will be a meeting of the executive board in Chicago on July 9 and 10. Because of the necessity of attending the executive board Mr. Hoisveen thought the Commission should approve his attendance at these meetings. It was

moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Secretary Hoisveen attend these meetings. All commissioners voted aye and the motion was carried.

STATE WATERSHED COMPARISONS Secretary Hoisveen stated that from all appearance, regarding the watershed program, it looks as though North Dakota was paying much more than other states as their portion of this program. Mr. Hoisveen stated that he had discussed this matter with other engineers from other states regarding their local participation in watershed programs and usually the state pays very little or nothing toward the program. Mr. Elmer B. Staats, deputy budget director, in the Senate Congressional Record for May, 1959, gave the following example of flood control cost sharing inequities under existing laws: Two Public law 566 projects, both estimated to cost about \$1.1 million, required in one case 43 percent local cost sharing (Swan-Buffalo Creek, N.Dak.) and in another case 6percent local cost sharing (Sulphur Creek, Tex.) Mr. Hoisveen stated that he had made arrangements whereby Mr. Robert Timm could visit watershed projects in Nebraska and Iowa and obtain information regarding other watershed arrangements and alert the people of North Dakota as to what the situation is in those states. The Commission believed it their responsibility to determine the facts regarding all water programs and keep the people in the state familiar with information pertaining to these programs. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Robert Timm be authorized to check on the watershed costs in Iowa and Nebraska. All members voted aye and the motion was carried.

RESOLUTION BOWMAN-HALEY PROJECT Secretary Hoisveen stated that he did not have the original resolution in connection with the local assurances for the proposed Bowman-Haley Project but he did have a copy, which was read. The resolution pertained to giving assurances of the North Dakota State Water Conservation Commission to the United States relative to the Bowman-Haley Dam and reservoir project. Certain changes were recommended in paragraph 2 under "Now, Therefore, Be It Resolved". Commissioner Math Dahl moved the adoption of the following resolution, which motion was seconded by Commissioner Einar Dahl that the resolution be approved with the changes made therein, subject to the approval of Mr. Iver Acker, Special Assistant Attorney General. All members voted aye and the following resolution was unanimously adopted:

RESOLUTION

A RESOLUTION GIVING CERTAIN ASSURANCES OF THE NORTH DAKOTA STATE WATER CONSERVATION COMMISSION TO THE UNITED STATES RELATIVE TO THE BOWMAN-HALEY DAM AND RESERVOIR PROJECT:

WHEREAS, the Congress in the Water Supply Act of 1958, provides a general policy for considering water supply in Civil Works project, and recognizes the primary responsibilities of the States and local interests in developing water supplies for domestic, municipal, industrial, and other purposes, but recognizes also that the Federal water resources project should be planned in cooperation with responsible State and local interests so that water supply may be fully considered and provisions therefore included to the maximum extent practical consistent with sound engineering and economic principles, and

WHEREAS, current investigations of the District Engineer, Omaha District, Corps of Engineers, conducted under the authority contained in Section 11 of Public Law 534, 78th Congress, approved 22 December 1944, indicate feasibility of constructing

a multiple-purpose dam and reservoir, known as the Bowman-Haley Project, on the North Fork, Grand River in Bowman County, North Dakota, at a site approximately on the section line between Section 24, R 101 W, T 129 N, and section 19, R 100 W, T 129 N, and

WHEREAS, the Water Conservation Commission is a state agency empowered to encourage the development of water resources, and

WHEREAS, the Commission has studied the project plans outlined by the Army Corps of Engineers and after concurrent studies by its technical staff has concluded that (1) the project is desirable and necessary, and (2) the water supply elements of the project have financial feasibility, and

WHEREAS, the Bowman County Water Conservation and Flood Control District has furnished assurances of the willingness and ability of local interests to participate in the project as required by the Water Supply Act of 1958.

NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Conservation Commission that:

1. The Project is essential to the development of North Dakota.
2. The Commission fully supports the construction of the project and will render Bowman County Water Conservation and Flood Control District such assistance as it may deem advisable and which it can lawfully give.
3. The Commission will assist the Conservation District in securing any necessary legislation or modification of State laws which may be needed to accomplish the desired objective.

NEXT MEETING
OF COMMISSION
EAST FAIRVIEW,
N.D. July 22,
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Secretary Hoisveen stated that Sidney, Montana was holding a Summer Tour of the Annual Water Users Irrigation Conference and celebrating the 50 Anniversary of the first delivery of irrigation water to the lands of the lower Yellowstone Irrigation Project of Montana and North Dakota. Governor Davis is to be one of the speakers, as is also Secretary Hoisveen. It was thought advisable to hold the next Commission meeting at Sidney, Montana or East Fairview, North Dakota. It was moved by Commissioner Einar Dahl and seconded by Commissioner Math Dahl that a resolution be drawn relative to holding a meeting in either Montana or North Dakota. All members voted aye and the motion was carried.

SURVEYS FOR COLD
WATER AND HOSKINS
LAKES

Secretary Hoisveen stated that an investigation had been made of Cold Water Lake in McIntosh County and that there might be ways of increasing the run off to these lakes. An investigation and survey of this area should be made.

CRITERIA FOR BOWMAN
COUNTY WATER CONSER-
VATION & FLOOD CONTROL
DISTRICT

Secretary Hoisveen reported that the Corps of Engineers substantiated the findings of the Commission relative to the depletion of the water in the upper reaches of the North Branch of the Grand River in North Dakota. It was determined that the Bowman-Haley reservoir would be dry in the Fall of 1958, as a result of the many stock water ponds which have been built and holding the water from the stream. The Commission took action and granted the water flood control district the authority to regulate the

situation by cooperating with the Bowman County Water Conservation and Flood Control District. There was discussion as to whether the Commission could legally restrict the building of stock water ponds by farmers, in view of the fact that it would be almost impossible to enforce such a restriction. It was moved by Commissioner Math Dahl and seconded by Commissioner Lunseth that the recommendation be approved and forwarded to the interested agencies in the form of a recommendation. All commissioners voted aye and the motion was carried. See Annex II.

UNIVERSAL MOTOR BID There were three bids submitted on the pick-up truck. These
ACCEPT ON PICK-UP were reviewed by the Commission. It was moved by Commis-
TRUCK sioner Math Dahl and seconded by Commissioner Lunseth that
 the Commission accept the bid of the Universal Motor Co.,
 Bismarck, North Dakota for a 1959 Ford F-350, with a total bid of \$2,581.49, less
 a trade-in allowance of \$986.49, and a net bid price of \$1,595. The commissioners
 all voted aye and the motion was carried.

CASS COUNTY Secretary Hoisveen stated that a request has been received
DRAIN #21 from the Cass County Board of Commissioners to check the
 engineering on Drain #21 from the Union Stock Yards, north
 to see if it would be possible to divert that drain into the Sheyenne River closer
 to Cass County Road #10, thereby saving Cass County a considerable amount of money
 for bridges. The Soil Conservation Commission has done a considerable amount of
 the engineering work in this area. The cost of the proposed drain would be
 approximately \$100,000. It might be possible to extend the laterals to the Sheyenne
 River. It was thought advisable to have the situation surveyed, which would cost
 about \$500. It was moved by Commissioner Einar Dahl and seconded by Commissioner
 Math Dahl that a survey of this area be made. All commissioners voted aye and
 the motion was carried.

WATER RIGHT The following water right was considered:
#796

 #796. The Fargo Country Club requests the right to divert
 150 acre feet of water per year from the Red River of the North for the purpose
 of a golf course sprinkling system. It was moved by Commissioner Lunseth and
 seconded by Commissioner Math Dahl that the Fargo County Club be granted the right
 to divert 100 acre feet of water. All members voted aye and the motion was carried.

TRUCK RENTAL The advisability of not trading in the car on the new pick-
DURING VACATION up truck was discussed. It was decided that if a car was
 needed that it would be cheaper to rent one than to have
 the old car fixed up. The rental would be limited to a
 period of two or three months.

DRAINS #1 & 2 Secretary Hoisveen reported on Drains #1 and 2, Grand
GRAND FORKS Forks. It was found that these were drains the Commission
 had not previously participated in, as the original con-
 struction was made in 1910 or thereabouts. There were large
 cottonwood trees growing in the drains which further substantiated this fact. The
 Commission's part in the drain would be a reconstruction of the drain to increase
 its capacity. The approximate cost to the Commission would be \$15,000. It was
 moved by Commissioner Lunseth and seconded by Commissioner Einar Dahl that the
 Commission participate in the reconstruction of this drain to the extent of 40%.
 All commissioners voted aye and the motion was carried.

DRAIN #35
TRAILL COUNTY
 Secretary Hoisveen stated that no construction had taken place on this drain but there was a need for a drain in this area. It was moved by Commissioner Einar Dahl and seconded by Commissioner Lunseth that the Commission approve a drain in this area. All Commissioners voted aye and the motion was carried.

DRAINS #4 & 14
TRAILL COUNTY
 These drains are in the south part of the county, and consist of reconstruction. A drop structure is necessary where the drain enters the Goose River. The Commission is justified in participating in the cost of the drain. It was moved by Commissioner Einar Dahl and seconded by Commissioner Lunseth that the Commission participate in the cost of Drains 4 and 14. All Commissioners voted aye and the motion was carried.

RHINELANDER
 (Pembina County)
 43 and 11
 These had previously been approved by the Commission and the work on the drains are completed. The survey crews will make spot checks to see that the work is satisfactory. Payment of these drains is to be held up until the drains have been checked.

DRAIN #5
RICHLAND COUNTY
 The Commission participated in this drain in 1947 and again in 1957. Assistant State Engineer Timm indicated that this is definitely a clean out, probably due to faulty overall drainage pattern. The Commissioners believed that no participation should be made in this drain unless the drain is determined to be a new construction.

DRAIN 17
RICHLAND COUNTY
 The estimated cost of Drain 17 is \$6500, and the Commission's share would be approximately \$2600. It was agreed that participation be withheld until an inspection is made of #17.

SIOUX IRRIGATION PROJECT BANK STABILIZATION
 Commissioner Einar Dahl reported that he had looked over the Sioux and Cartwright Irrigation projects. The Sioux Irrigation Project had requested participation in protecting the pumping plant. The Yellowstone River is constantly eating away the bank. The State Water Commission financed the pump plant and installed it and are being repaid by the Sioux Irrigation District in McKenzie County for their equity in the plant. The plant is located one-half mile upstream from the irrigable land and the banks are constantly eroding. It was estimated that at least 75 car bodies would be required for this project at a price of \$8 per car to provide bank protection. The district would like the Commission to participate in this project on a 40% basis. It was moved by Commissioner Lunseth and seconded by Commissioner Math Dahl that the Commission participate in this project on a 40% basis. All Commissioners voted aye and the motion was carried.

PARK RIVER CHANNEL CHANGE
 Commissioner Lunseth reported on the North Branch of the Park River channel change in Pembina County stating that they want us to participate in the change on a yardage basis. This would run approximately \$1000. They were told that the Commission would not participate without looking into the matter. Commissioner Lunseth moved that an investigation be conducted which was seconded by Commissioner Math Dahl. All commissioners voted aye and the motion was carried.

KELLY SLOUGH Commissioner Lunseth reported on the Kelly Slough Project which is west of Grand Forks. It is used mainly as a recreational area. There is a low dam which maintains a little water. The people in this area have been talking about developing this for several years. Engineers from the State Water Conservation Commission were sent out to survey its potential. Possibilities for the project appear good if consideration is given to the diversion of water from Hazen's Brook of the Turtle River. A sponsoring body is needed on a local level. The county could participate, also, the sportsmen in the area who are interested. A request should be made on a local level for the Highway Department to install a culvert under U.S. Highway #2 to accommodate diversion flow. More detail is needed before any action is taken regarding cost participation. A meeting with Chief Engineer Hoisveen, Commissioner Lunseth and local groups is being scheduled.

WILD RICE RIVER REPAIR OF DAM Secretary Hoisveen reported that the dam had been inspected. The dam is a rubble masonry gravity section with V wings. The downstream wings must be carried deeper and tied into the stream banks. A notch must be repaired and the structure given a pneumatic maintenance coat. The Game and Fish Department would not participate in this. The estimated cost of the repairs would be \$4000. It was recommended that the Commission participate on a 50-50 basis. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that the Commission participate in this project in the amount of \$2000. All Commissioners voted aye and the motion was carried.

PAINTED WOODS CREEK Secretary Hoisveen stated that there is a small dam on Painted Woods Creek which is now in need of repairs. It is estimated that the cost of these repairs would be \$3500 and the Commission is to participate on a 50-50 basis. It was moved by Commissioner Lunseth and seconded by Commissioner Math Dahl that the Commission participate in the repair of a dam on Painted Woods Creek on a 50-50 basis. All Commissioners voted aye and the motion was carried.

COOPERSTOWN MUNICIPAL DAM It was reported by Secretary Hoisveen that the Game and Fish Department would participate in the repairs on this dam. The participation would be on a three way basis. The estimated cost of such repairs would be approximately \$7500. It was moved by Commissioner Lunseth and seconded by Commissioner Einar Dahl that the Commission participate in the repairs on this dam up to \$2500, on a one-third basis. All commissioners voted aye and the motion was carried.

Commissioner Math Dahl moved that the meeting recess. The motion was seconded by Commissioner Lunseth and all commissioners voted aye. The motion was carried.

The meeting re-opened at a luncheon held in the Municipal Country Club. Governor Davis, Chairman of the Commission, opened the meeting by calling attention to the fact that the State Water Conservation Commission had sponsored the luncheon in order that the following groups could receive the advantage of the comments of Fred Fredrickson, Planning Coordinator for the Commission. The organizations present were:

1. The Governor's Coordinating Committee;
2. Steering Committee of the North Dakota Water Users Association; and

3. The Executive Committee of the Garrison Conservancy District.

The following people were present:

- | | | |
|----------------------|---------------------|------------------|
| Governor John Davis | Erling Nicolaisen | Earle Tucker |
| Henry J. Steinberger | Hal Davies | Fred Fredrickson |
| Rep. Leon Mueller | Leo Gardner | Bruce Johnson |
| Oscar N. Berg | Rep. Baldwin Murray | Wm. Daner |
| Oscar Lunseth | Ben F. Kludt | A. R. Weinhandl |
| Daphna Nygaard | Clarence Jensen | John Hjelle |
| Walter Essig | Milton Rue | Jim Moore |
| Mark Andrews | Einar Dahl | R. J. Sailer |
| Herb Lyons | Math Dahl | Milo W. Hoisveen |
| | | Vernon Cooper |

The Governor called upon Mr. Fredrickson to provide the group with information relative to legislation affecting the Garrison Diversion Unit. Mr. Fredrickson told the group that the report dealing with the Garrison Diversion Unit was still in the hands of the Bureau of the Budget. He stated the Bureau of the Budget had repeatedly requested additional information pertaining to the Garrison Diversion Unit. Their interest seemed devoted to three items.

1. Agricultural surpluses. Regardless of explanations this situation still tends to give them a point of conjecture;
2. They were apprehensive whether or not the State of North Dakota needed irrigation;
3. They were not satisfied that the project would be accepted by farmers if and when the time of irrigation arrived.

Mr. Fredrickson then dwelt upon the subject of appropriation to the Bureau of Reclamation for investigation purposes and the Garrison Diversion Unit. He stated that while the cut from the President's budget estimate of \$550,000 to \$300,000 was extremely severe he believed the work of Mrs. Daphna Nygaard in contacting certain representatives on the House Appropriation Committee was responsible for obtaining as much as \$300,000. The \$300,000 item has now received approval by the House and is in the Senate Appropriation Committee. Mr. Fredrickson read from a report forwarded to the office of the State Water Commission by Senator Young wherein certain statements were made in favor of restoring the \$250,000 item. Some expression was made to the effect that it would be difficult to anticipate receiving restoration up to the \$550,000 included in the President's budget.

It was necessary for the Governor to leave the meeting at this point.

Mr. Fredrickson indicated that those present should write Senator Hayden requesting him to aid in the restoration of the \$250,000 item. Several questions were asked of Mr. Fredrickson. Upon completion of his answers the meeting was turned over to Vice Chairman Earle F. Tucker.

There being no further business before the Commission, it was duly moved, seconded and carried that this meeting be now adjourned, that the next meeting of the Commission be held in the City of Sidney, Montana and that the Secretary make the necessary arrangements and reservations.

Respectfully submitted,

Milo W. Hoisween
Secretary

ATTEST:

John E. Davis
Governor

ANNEX I

R E S O L U T I O N

BE IT RESOLVED BY THE BOARD OF CITY COMMISSIONERS OF THE CITY OF FARGO:
WHEREAS, Through the corridors of time pass all who are born to die, and
WHEREAS, the lives of most men are soon forgotten, but a few leave their
marks on a level high enough for their fellow man to follow and see. Usually
we fail to give recognition to those who render valuable services while they
are still among us, and

WHEREAS, Of those devoted to the cause of reclamation, there was none more
enthusiastic than our late friend, A. M. Chrisensen of Minot, North Dakota,
a member of the North Dakota State Water Conservation Commission, who passed on
to his eternal resting place on June 5, 1959; and

WHEREAS, A.M. Christensen was ever ready to give public service, and has
left an indelible imprint upon the history of progress in our State in the
promotion of water resources, and we shall ever value his contribution to reclama-
tion, ;and gratefully inscribe this short tribute to his memory to stand forever
upon our records, knowing as we do that words cannot express our appreciation for
his services.

NOW, THEREFORE, BE IT RESOLVED that the Board of City Commissioners of
the City of Fargo, expresses deep regret at the passing of A. M. Christensen, and
expresses heartfelt sympathy to his surviving family.

BE IT FURTHER RESOLVED, that this Resolution be spread upon the Permanent
Minutes of the Board of the City Commissioners, and that a copy thereof be
forwarded to the bereaved family and to the North Dakota State Water Conservation
Commission.

CERTIFICATE OF DEPUTY CITY AUDITOR

STATE OF NORTH DAKOTA)
):ss
COUNTY OF CASS)

I, M. C. Fremstad, do hereby certify that I am the duly appointed,
qualified and acting Deputy City Auditor of the City of Fargo, North Dakota; and

That the foregoing is a full, true and correct copy of a Resolution
adopted by the Board of City Commissioners of the City of Fargo at the Regular
Meeting of the Board held on Tuesday, June 9, 1959; and

That such Resolution is now a part of the permanent records of the City
of Fargo, North Dakota, as such records are filed in the office of the City
Auditor.

S/ M. C. Fremstad
Deputy City Auditor of the City of
Fargo, Fargo, North Dakota

(SEAL)

RECOMMENDED REGULATIONS PERTAINING TO THE CONSTRUCTION
 OF DAMS IN WATER DEPLETED AREAS

N. D. S. W. C. C. ADOPTED BY
 June 19, 1959.

In several areas throughout North Dakota, dams have been constructed, or are being contemplated for use in connection with domestic or municipal supplies. The need for the water is generally acute. Three of the areas in which we are much concerned are: the Souris River and its tributaries, the Heart River and its tributaries above Dickinson Dam, and the ~~proposed~~ North Branch of the Grand River in North Dakota above the proposed Bowman-Haley Dam.

Several tentative reservoir operational studies were made by the Corps of Engineers for the proposed Bowman-Haley Reservoir. The operational study indicated approximately 3,800 acre-feet of water would be the minimum quantity during the drouth period of the Thirties. Much to the surprise and concern of all interested parties was the fact that reservoir projection studies in the Fifties revealed that the reservoir would be dry in the Fall of 1958. This situation occurred during a period when the adequacy of flow into the reservoir site should have been much more favorable than the period of the Thirties.

A survey made by staff members of the State Water Commission indicated that a great number of storage dams had been constructed in the upper reaches of the North Branch of the Grand River and much of the water was being dissipated through evaporation. This situation was further substantiated by a survey made by the U. S. Geological Survey in the Cheyenne River Basin above the Angostura Reservoir in South Dakota. Field data made in that survey shows that losses chargeable to the reservoirs during years having varying annual rates of run-off range from 20 percent of the runoff during a wet year to about 50 percent of the runoff during a drought year. This study is covered by Geological Survey Circular 223. Copies of this report are available in the office of the North Dakota State Water Conservation Commission.

In Bowman County the county wide Water Conservation and Flood Control District was given the authority by the State Water Commission to regulate low flows in streams and exercise their judgment regarding the number of stock water impoundments to be constructed in their county in the future. It is recommended that no stock water dams be constructed in the North Branch of the Grand River above the proposed Bowman-Haley Dam. Should an individual desire to construct a dam in that reach of the river it will be necessary for him to apply for a water right before construction.

Stock water dug-outs should be used as a substitute for dams in order to better conserve water. The dug-outs should be restricted to a maximum capacity no greater than one acre-foot. The spacing of dug-outs should be limited to one per square mile if in one ownership or when ownerships are less than the above they should be installed on the basis of one dugout per ownership. Where an ownership is non-contiguous consideration should be given to the other tracts if desired. The above conditions should also apply in the Souris and Heart River areas mentioned herein.

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

Fund No.	Available July, 1957	Expended To May 31, 1959	Expended June, 1959	Balance Jun 30 '59
1. Commissioners' Per Diem and Expenses	6,000.00	5,016.53	120.10	863.37
2. Administration	47,000.00	40,693.36	6,535.41	1,840.75
Refunds and Deposits	2,069.52			
3. Maintenance of Dams.	105,000.00	178,221.73	13,490.00	4,950.10
Refunds and Deposits	91,661.83			
4. International and Interstate Commissioners' Conference Expenses.	8,000.00	7,869.18	128.15	17.52
Refunds and Deposits	14.85			
5. Topographic Surveys, Cooperation with U. S. G. S. . . .	30,000.00	27,153.47	- -	2,846.53
6. Hydrographic Surveys, Cooperation with U. S. G. S. . .	27,500.00	27,430.70	- -	69.30
7. Engineering and Geological Surveys and Demonstrations. Refunds and Deposits	37,500.00 5,306.81	38,557.41	2,023.60	2,225.80
8. Cooperation with U. S. Departments and for Organizing Conservation and Irrigation Districts.	50,000.00	42,124.80	6,539.67	1,345.53
Refunds and Deposits	10.00			
9. Small Projects, Investigations, Surveys, Etc.	118,000.00	111,521.30	5,115.87	3,737.81
Refunds and Deposits	2,374.98			
10. Administration of Water Laws	6,000.00	5,775.30	- -	224.70
11. OASIS Refunds.	3,800.00	7,458.52	- -	882.72
Transfer from Contingency Fund	4,541.24			
	<u>\$544,779.23</u>	<u>\$491,822.30</u>	<u>\$33,952.80</u>	<u>\$19,004.13</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MONTHLY REPORT OF APPROPRIATIONS AS OF JUNE 30, 1959
1955-1957 APPROPRIATIONS

Fund No.		Available July, 1955	Expended To May 31, '59	Expended June, '59	Balance Jun 30 '59
1.	Commissioners' Per Diem and Expenses	6,000.00			
	Collections and Refunds.	661.03			
			6,390.63		270.40
2.	Administration	40,000.00			
	Collections, Refunds, Transfers.	2,494.22			
			42,453.03		41.19
3.	Maintenance of Dams.	100,000.00			
	Collections and Refunds.	120,594.66			
			220,556.13		38.53
4.	International and Interstate Commissioners' Conference Expenses	8,000.00			
	Collections and Refunds	40.60			
			8,040.42		.18
5.	Topographic and Conservation Cooperation with U.S.G.S..	30,000.00			
			30,000.00		NIL
6.	Hydrographic and Conservation Cooperation with U.S.G.S.	25,000.00			
			25,000.00		NIL
7.	Engineering and Geological Surveys and Demonstrations .	35,000.00			
	Transfer from Number 1	223.93			
			35,223.93		NIL
8.	Cooperation with U. S. Departments and For Organizing Conservation and Irrigation Districts	40,400.00			
			40,374.92		25.08
9.	Small Projects and Investigations and Surveys	106,000.00			
	Collections and Refunds	19,994.37			
			125,994.37		NIL
10.	Water Right Investigations	12,000.00			
		<u>546,408.81</u>	<u>11,994.23</u>	<u>3546,027.66</u>	<u>5.77</u>
					<u>3381.15</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF JUNE 30, 1959
 (CONTINUING APPROPRIATIONS)

Appropriation Title	Balance July, 1957	Expended To May 31, '59	Expended June, '59	Balance June 30 '59
Construction Bond Guaranty Fund	70,541.00	NIL	NIL	77,056.64
Deposit of Income from Investments and Retirement . .	6,515.64			
Multiple Purpose Fund	384,892.93	215,937.14	18,006.46	178,751.98
Collections, Refunds, Transfers	27,802.65			

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
DEPOSITS IN THE BANK OF NORTH DAKOTA
JUNE 30, 1959

Source of Deposits	Transit Number	Amount Deposited	Expended To Jun 30, 1959	Balance June 30 '59
Collections on Yellowstone Pumping Irrigations District \$3,500 Warrant. Tax collections for partial payment of interest and principal to April, 1959.	501-118	2,920.83		2,920.83
Contributions to January 1, 1957: \$35,600.10				
Contributions for Ground Water Surveys:				
Ashley		\$1,500.00		
Berthold		1,500.00		
Drake		750.00		
Ellendale		500.00		
Gackle		1,500.00		
Hatton		1,000.00		
Hillsboro		1,000.00		
Hoople		1,500.00		
Jamestown		1,500.00		
Lehr		1,000.00		
Leeds		1,000.00		
Linton		1,500.00		
Max		1,500.00		
Medina		1,000.00		
Michigan		1,500.00		
Minot		3,500.00		
Strasburg		1,000.00		
Stutsman County		1,500.00		
Tioga	501-128	66,151.66	66,113.80	<u>37.86</u>
TOTAL OF ALL BANK OF NORTH DAKOTA DEPOSITS AS OF JUNE 30, 1959				<u>\$3,223.69</u>

PAYROLL
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
JUNE 30, 1959

PERMANENT EMPLOYEES

Name	Position	Pay Grade	Salary June	With. Tax	Soc. Sec.	Hosp. Ins.	Savings Bonds	Net Pay	Remarks
Hoisveen, Milo W.	State Engineer	O-6	881.67	132.00	14.12	12.60	18.75	704.20	Inc Apr'59
Baesler, Gordon	Draftsman	F-2	326.17	38.30	8.15	- -	- -	279.72	Inc Mar'59
Cooper, Vernon S.	Ass't Secretary	YM-4	363.84	71.00	9.10	12.60	- -	271.14	Inc Mar'59
Bischof, Donald	Engineer's Aid	D-1	225.00	30.70	5.63	- -	- -	188.67	Sta Jun'59
Fredrickson, Fred	Coordinator	F-7	375.00	37.00	9.38	- -	- -	328.62	Inc May'59
Gehring, Edna	File Clerk	B-10	211.67	37.80	5.29	5.45	- -	163.13	Inc Jan'59
Grindberg, Alan	Engineer	H-5	466.67	74.60	11.67	5.45	- -	374.95	Inc Dec'58
Hiland, Leone	Chief Steno	F-5	271.91	33.81	6.80	5.50	- -	225.80	Sta Jun'59
Krebsbach, Joseph	Instrumentman	F-8	383.17	28.40	9.58	12.60	- -	332.59	Inc May'59
Putz, Roy	Material Expert	A-9	185.00	13.50	4.63	5.45	- -	161.42	Inc Dec'57
Reiter, Daniel	Const. Foreman	F-9	392.67	31.30	9.82	12.60	18.75	320.20	Inc Mar'59
Sackman, Eugene	Instrumentman	F-5	354.67	14.00	8.86	12.60	- -	319.21	Inc Mar'59
Sandwick, Hazen	Engineer	K-5	634.67	61.60	15.87	12.60	37.50	507.10	Inc Mar'59
Schulz, Delton	Engineer's Aid	D-1	172.50	23.54	4.31	- -	- -	144.65	Sta Jun'59
Schulz, Jim	Bookkeeper	E-5	298.67	44.00	7.47	- -	- -	247.20	Inc Jan'59
Schweigert, Luella	Chief Steno	F-5	336.93	60.90	8.42	- -	- -	267.61	Res Jun'59
Schwinkendorf, Donald	Rodman	B-8	201.67	26.40	5.04	- -	- -	170.23	Sta Apr'59
Schwinkendorf, Glenn	Rodman	A-9	185.00	23.50	4.63	- -	- -	156.87	Sta Apr'59
Silbernagel, Jacob	Rodman	A-9	185.00	23.50	4.63	- -	- -	156.87	Sta Apr'59
Silbernagel, Joseph	Rodman	A-9	185.00	23.50	4.63	- -	- -	156.87	Sta Apr'59
Timm, Robert J.	Asst. St. Engr.	K-7	668.67	68.80	16.72	12.60	- -	570.55	Inc Mar'59
Walterson, Howard	Const. Foreman	F-9	392.67	61.30	9.82	12.60	- -	308.95	Per Mar'59
Walterson, Jean	Clerk-Typist	D-3	238.50	12.80	5.96	- -	18.75	200.99	Inc Jan'59
Ziegler, Victor	Engineer	J-3	547.67	79.00	13.69	12.60	- -	442.38	Inc Dec'58
TOTALS			<u>8,484.39</u>	<u>1,051.25</u>	<u>204.22</u>	<u>135.25</u>	<u>93.75</u>	<u>6,999.92</u>	

PAYROLL
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
JUNE 30, 1959

TEMPORARY EMPLOYEES

Name	Position	Pay Grade	Salary June	With. Tax	Soc. Sec.	Hosp. Ins.	Savings Bonds	Net Pay	Remarks
Buechler, Herbert	Driller	1.75	273.88	35.90	6.85	- -	- -	231.13	Hourly Pay
Burkhardtmeier, Albert	Operator	1.85	515.23	83.30	12.88	- -	- -	419.05	" "
Cleveland, Thomas	Operator	1.75	386.75	23.80	9.67	- -	- -	353.28	" "
Hestdalen, Donald G.	Laborer	1.40	40.60	2.70	1.02	- -	- -	36.88	" "
Johnson, George T.	Driller	2.10	519.23	83.40	12.98	- -	- -	422.85	" "
Knutson, Lewis	Driller	1.95	698.10	111.90	17.45	- -	- -	568.75	" "
Lauinger, Anton B.	Operator	1.85	390.03	61.50	9.75	- -	- -	318.78	" "
Lauinger, Joseph B.	Laborer	1.50	97.50	13.10	2.44	- -	- -	81.96	" "
Lotzer, Delano	Laborer	1.40	100.80	13.50	2.52	- -	- -	84.78	" "
McMaster, George	Driller	2.50	895.00	132.90	22.37	- -	- -	739.73	" "
Moe, James	Laborer	1.40	88.20	13.70	2.21	- -	- -	72.29	" "
Nelsen, Roland G.	Operator	1.65	260.18	40.10	6.50	- -	- -	213.58	" "
Peterson, Fred	Laborer	1.40	63.00	9.00	1.58	- -	- -	52.42	" "
Scherr, Charles	Laborer	1.50	12.00	1.90	.30	- -	- -	9.80	" "
Ternes, Bernhard A.	Laborer	1.50	12.00	1.90	.30	- -	- -	9.80	" "
Urness, Joseph G.	Operator	1.85	305.85	46.00	7.65	- -	- -	252.20	" "
TOTALS			<u>4,658.35</u>	<u>674.60</u>	<u>116.47</u>			<u>3,867.28</u>	

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

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	JULY, 1959	ENCUMB.	UNENCUMB.	UNEXPENDED
1. COMM. PER DIEM & EXP.	6,000.00	.00	21.03	21.03	.00	5,978.97	5,978.97
2. ADMINISTRATION	49,200.00	5.70	1,600.08	1,600.08	.00	47,605.62	47,605.62
3. MAINTENANCE OF DAMS	115,000.00	.00	4,340.27	4,340.27	.00	110,659.73	110,659.73
4. INT'L & INTERSTATE EXP.	10,000.00	.00	168.60	168.60	.00	9,831.40	9,831.40
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	.00	.00	.00	30,000.00	30,000.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	.00	.00	.00	.00	27,500.00	27,500.00
7. ENGR & GEOL SURVEYS, USGS	57,500.00	.00	487.11	487.11	.00	57,012.89	57,012.89
8. COOP WITH U. S. DEPT., ETC.	57,000.00	.00	1,374.36	1,374.36	.00	55,625.64	55,625.64
9. ENGINEERING INVEST., ETC.	138,000.00	.00	4,327.21	4,327.21	.00	133,672.79	133,672.79
0. ADM. OF WATER LAWS	6,000.00	.00	230.63	230.63	.00	5,769.37	5,769.37
1. OASIS CONTRIBUTIONS	6,500.00	.00	.00	.00	.00	6,500.00	6,500.00
0. MULTIPLE PURPOSE "CAR.FWD"	178,751.98						
	200,000.00	.00	5,234.45	5,234.45	135,687.04	237,830.49	373,517.53
1. CONST BOND GUAR. "CAR.FWD"	77,056.64	.00	.00	.00	.00	77,056.64	77,056.64
	<u>958,508.62</u>	<u>5.70</u>	<u>17,783.74</u>	<u>17,783.74</u>	<u>135,687.04</u>	<u>805,043.54</u>	<u>940,730.58</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF JULY 31, 1959
~~1959-1961~~ APPROPRIATIONS
 1957-1959

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	JULY, 1959	ENCUMB.	UNENCUMB.	UNEXPENDED
1. COMM PER DIEM & EXP.	6,000.00	.00	5,462.38	325.75	14.00	523.62	537.62
2. ADMINISTRATION	47,000.00	2,069.52	48,052.91	824.14	911.35	105.26	1,016.61
3. MTCCE. OF DAMS "SEE NOTE"	105,000.00	92,809.64	104,957.32	3,245.59	421.12	2,431.20	2,852.32
4. INT'L & INTERSTATE EXP.	8,000.00	14.85	7,997.33	.00	.00	17.52	17.52
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	30,000.00	2,346.33	.00	.00	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	.00	27,430.70	.00	69.30	.00	69.30
7. ENGR & GEOL SURVEYS, USGS	37,500.00	5,306.81	41,356.66	775.65	1,352.15	98.00	1,450.15
8. COOP WITH U. S. DEPT., ETC.	30,000.00	10.00	49,839.90	1,175.43	89.41	80.69	170.10
9. SMALL PROJECTS, ETC.	118,000.00	2,374.98	117,786.85	1,149.68	1,969.43	618.70	2,588.13
0. ADM. OF WATER LAWS	6,000.00	.00	5,775.30	.00	224.70	.00	224.70
1. OASIS CONTRIBUTIONS	3,800.00	4,541.24	8,341.24	882.72	.00	.00	.00
	<u>438,800.00</u>	<u>107,127.04</u>	<u>537,000.59</u>	<u>11,225.29</u>	<u>5,051.46</u>	<u>3,874.99</u>	<u>8,926.45</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
JULY 31, 1959

PERMANENT EMPLOYEES

NAME	POSITION	PAY GRADE	REMARKS	SALARY JULY	WITH. TAX	SOC. SEC.	HOSP. INS.	BONDS	NET PAY
HOISVEEN, MILO W.	STATE ENGINEER	O-7	INC JUL '59	904.67	132.00				741.32
BAESLER, GORDON	DRAFTSMAN	F-5	INC JUL '59	354.67	44.10	8.87	12.60	18.75	301.70
BISCHOF, DONALD	ENGINEER'S AID	D-1	STA JUN '59	225.00	30.70	5.63			188.67
COOPER, VERNON S.	ASST SECRETARY	1M-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	16.29	12.60	37.50	516.48
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-8	STA APR '59	201.67	26.40	5.04			170.23
SCHWINKENDORF, GLENN	RODMAN	A-9	RES JUL '59	143.23	18.19	3.58			121.46
SILBERNAGEL, JACOB	RODMAN	A-9	STA APR '59	185.00	23.50	4.63			156.87
SILBERNAGEL, JOSEPH	RODMAN	A-9	TEM JUL '59	17.90	2.27	.45			15.18
TIMM, ROBERT J.	ASST ST ENGR.	K-8	INC JUL '59	685.67	76.00	17.14	12.60		579.93
ULRICH, DUANE	RODMAN	A-9	STA JUL '59	155.16	2.94	3.88			148.34
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		18.75	206.47
ZIEGLER, VICTOR	ENGINEER	K-2	INC JUL '59	583.67	86.20	14.59	12.60		470.28
TOTALS				8,470.68	1,001.40	189.18	135.20	93.75	7,051.17

PAYROLL
 NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 JULY 31, 1959

TEMPORARY EMPLOYEES

NAME	POSITION	RATE	REMARKS	SALARY JULY	WITH. TAX	SOC. SEC.	HOSP. INS.	BONDS	NET PAY
BUECHLER, HERBERT	DRILLER	1.75	HOURLY PAY	490.88	65.40	12.28			413.20
BURKHARDSMEIER, ALBERT	OPERATOR	1.90	"	521.95	82.60	13.02			426.33
CLEVELAND, THOMAS	OPERATOR	1.75	"	87.50	4.10	2.19			81.21
HESTDALEN, DONALD C.	LABORER	1.40	"	215.60	24.90	5.40			185.30
JOHNSON, GEORGE T.	OPERATOR	1.85	"	530.60	83.50	13.28			433.82
KNUTSON, LEWIS	DRILLER	2.05	"	410.05	64.20	10.25			335.60
LAUINGER, ANTON B.	OPERATOR	1.90	"	406.05	63.80	10.16			332.09
MCMASTER, GEORGE	DRILLER	2.65	"	602.20	89.70	15.05			497.45
MORKERT, KENNETH	LABORER	1.60	"	249.50	30.90	6.24			212.36
NELSEN, ROLAND G.	OPERATOR	1.65	"	362.18	56.00	9.05			297.13
PETERSON, FRED	LABORER	1.40	"	43.40	5.50	1.09			36.81
ROEDER, WYMAN	LABORER	1.25	"	33.13	3.70	.83			28.60
SILBERNAGEL, JOSEPH	DRILLER	2.10	"	320.25	54.40	8.01			257.84
STIGEN, ROBERT	LABORER	1.50	"	60.00	8.70	1.50			49.80
URNES, JOSEPH G.	OPERATOR	1.90	"	414.60	65.10	10.37			339.13
TOTALS				<u>4,747.89</u>	<u>702.50</u>	<u>118.72</u>	<u>.00</u>	<u>.00</u>	<u>3,926.67</u>