

MINUTES  
 NORTH DAKOTA STATE WATER COMMISSION  
 Held in the Office of the State Water Commission  
 Bismarck, North Dakota  
 March 16, 1965

MEMBERS PRESENT:

Governor William L. Guy, Chairman  
 Oscar Lunseth, Vice Chairman, Grand Forks  
 Henry Steinberger, Member from Donnybrook  
 Gordon Gray, Member from Valley City  
 Einar Dahl, Member from Watford City  
 Arne Dahl, Commissioner, Department of Agriculture & Labor, Bismarck  
 Milo W. Hoisveen, State Engineer, Chief Engineer and Secretary, Bismarck

OTHERS PRESENT:

Fred J. Fredrickson, Planning Coordinator, Valley City  
 Cliff Jochim, Special Assistant Attorney General, State Water Commission, Bismarck

The meeting of the State Water Commission was opened at 9:25 a.m. with Vice Chairman Lunseth presiding. Present were Commissioners Einar Dahl, Steinberger, Gray and Secretary Hoisveen.

APPROVAL OF MINUTES OF  
 January 12, 1965

Commissioner Einar Dahl moved that the minutes of January 12, 1965, be approved as circulated. The motion was seconded by

Commissioner Gray and carried.

APPROVAL OF FINANCIAL  
 STATEMENTS FOR JANUARY  
 AND FEBRUARY 1965

Secretary Hoisveen informed the Commission members that the finances of the State Water Commission were in very good shape in the Administrative Fund. The Commission

had previously authorized the Secretary to purchase a Recordax for use in conjunction with microfilming the field notes in the office of the State Water Commission if funds were available. It now appears that it will be possible to purchase this instrument from the Administrative Fund. The Maintenance of Dams fund is in good shape as are all other line items. Secretary Hoisveen informed the Commission that starting July 1, 1965, there would be only four line items instead of the ten now used. They would be salary, materials, contracts and general operation.

It was moved by Commissioner Steinberger, seconded by Commissioner Einar Dahl and carried that the Financial Statements for January and February, 1965, be approved.

Commissioner Arne Dahl enters the meeting.

BALTA DAM RECREATIONAL  
 FACILITIES REQUEST

At the December 27, 1963, meeting the Commission approved the request of the Balta Wildlife Club for recreational facilities at

Balta Dam to the extent of \$400. The Balta Wildlife Club has presented a bill to the Commission in the sum of \$1,992.56. They are requesting the Commission's participating for the additional amount which would be \$397.06. It was indicated

by the Secretary that the Balta residents had improved the recreational facilities around the Balta Reservoir far beyond our expectations. This was accomplished through the use of contributed labor.

It was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the Commission participate in the facilities for the Balta Dam recreation area for an additional \$397.06.

**PARK RIVER SNAGGING AND CLEARING**

At the January 12, 1965, meeting of the Commission they approved the snagging and clearing on the Park River in Walsh County. The County has proceeded with the snagging and clearing project. The project costs \$200 per mile. The weather has been feasible and they have continued with the project this winter and have done an additional 25 miles down to the Red River. The County is asking the State Water Commission's participation for an additional amount of \$2,500. The county force crew is doing the work.

It was moved by Commissioner Lunseth, seconded by Commissioner Gray and carried that the Commission participate in the additional snagging and clearing on the Park River in Walsh County to the extent of \$2,500.

**SHIPTON COULEE SHEEP CREEK HETTINGER DAM**

Requests were received for participation in dam site surveys for Shipton Coulee, Sheep Creek and Hettinger Dam. Deposits of \$200 have been received from the Shipton Coulee and Sheep Creek dam sponsors regarding the surveys.

It was moved by Commissioner Steinberger, seconded by Commissioner Einar Dahl and carried that the Commission participate in the dam site surveys for Shipton Coulee and Sheep Creek and that the Commission participate in the dam site survey for the City of Hettinger upon receipt of the \$200 deposit.

**GRAND FORKS COUNTY DRAINAGE BASIN STUDY IN COOPERATION WITH N.D. STATE UNIVERSITY EXTENSION SERVICE**

Grand Forks County is having considerable difficulty in establishing a county-wide drainage system as the flat Red River Valley land permits the transfer of water from one subbasin to another without difficulty. In some instances this has caused overloading legal drains in which the State Water Commission has participated. This also results in neighborhood disputes. Minnesota has in a number of cases defined their drainage basins and established them as legally constituted basins. In these cases if it is desirable to divert water from one basin to another permission must be obtained through the district court or at least from a local drain board. The Commission may have to resort to this type of procedure. Secretary Hoisveen recommended that a study be carried on with the State University Agricultural and Engineering Department and any other State and Federal agencies that might be interested in defining basins in Grand Forks and other counties for the purpose of eventually enacting legislation that could be used in connection with establishing legally constituted basins. A study of this kind would approximate a cost of \$3,000. It is anticipated that this would be a study of the whole county. The Water Management Districts

Association would, no doubt, aid in getting through a law that would be helpful in caring for the project.

It was moved by Commissioner Lunseth, seconded by Commissioner Steinberger and carried that the State Water Commission request the State University Agricultural Engineering Department to participate in making a comprehensive survey of Grand Forks County drainage basin at a cost of \$3,000.

Governor Guy enters the meeting and requests Commissioner Lunseth to preside.

**N. D. WATER RESOURCE  
INSTITUTE**

Commissioner Gray read a letter he had received appointing him to the Advisory Board of the North Dakota Water Resource Institute.

A meeting of the Institute will be held April 7, 1965. Secretary Hoisveen is also a member of the Advisory Board. Commissioner Gray wondered if the State Water Commission would want the drainage problem to be an item for consideration by this Board. It was the opinion of the Commission that the Institute should solicit information from the various agencies dealing with water and then the Advisory Board could give priority to the various features of research. Other items could be the influence of used cooling water from the large power plants on the Missouri River, moisture levels in connection with fertilizer usage under irrigation. When the Garrison Diversion becomes operative these items might be studied: the affect of soluble salts carried into our streams from irrigated lands, length of irrigation runs on various classes of soil etc.

Commissioner Dahl leaves the meeting.

**LAKE ALICE-LAKE IRVINE ,  
SWEETWATER--DRY LAKE PROJECT  
(Corps of Engineers)**

Secretary Hoisveen read a letter from the Corps of Engineers pertaining to the study on the Devils Lake area - Lake Alice-Lake Irvine. He stated that this has been a problem ever

since he has been connected with the Commission and probably extends beyond that for several years. Secretary Hoisveen described how the water would run from Sweetwater Lake to Dry Lake through Lake Alice and Lake Irvine and eventually into Devils Lake. The Corps proposes to construct a levee system whereby the water could be diverted into Dry Lake which would constitute an impoundment for the flood waters above Lake Alice and Lake Irvine. The water could then be released at a slow rate into Lake Alice-Lake Irvine to preserve those lakes. These lake,s also, could become the storage area for releases into Devils Lake. There are a number of bridges in Benson County which are not in too good condition and inadequate in size. Benson County is opposed to the project unless some other entity pays for the bridges that may be replaced as a result of the project. There are problems of rights-of-way and it is going to be very expensive - \$1,300,000 at the local level. Secretary Hoisveen doubted if any local legal entity could raise this amount of money and was apprehensive if the project could be carried to completion with such extensive local assurances.

Governor Guy suggested that no action be taken by the Commission to the effect that the Corps shelve this study until the wishes of the local people have been determined. He indicated that two complete stories should be written on the proposals of the Corps of Engineers and the Bureau of Sport Fisheries and Wildlife explaining their programs in

detail. He stated that the stories should be published in the local newspapers. He suggested that the State Water Commission hold a meeting at Camp Grafton May 24, 1965, in the afternoon and the public hearing could be held the following morning at 9:30. The Governor stated he was apprehensive about deciding the fate of the people in this area.

Secretary Hoisveen suggested that the Corps make a presentation as the Corps has not held a hearing on this project and the Bureau of Sport Fisheries and Wildlife could present their proposal for the area.

It was moved by Governor Guy that the Commission hold a meeting at Camp Grafton at 1:30 o'clock p.m., Monday, May 24, 1965, to conduct the normal business of the Commission and that the State Engineer make plans for overnight accommodations at Camp Grafton and that accommodations be made for a public hearing on the Lake Alice-Lake Irvine problem for 9:30 a.m., May 25 and that appropriate local and federal officials be notified. The motion was seconded by Commissioner Gray and carried.

Governor Guy stated that he thought the news story should be prepared to go to the weekly papers in the area and it should also contain the date and place of the public meeting.

#### JAMESTOWN CHANNEL CHANGE - SODDING BANKS

The State Water Commission cooperated in the channel change at the Crippled Children's School at Jamestown. The work on the channel change was accomplished below the estimated cost. The next step is whether to seed or sod the banks. Most of the ditch banks in the past State Water Commission projects have been seeded because they have been located in the rural areas. This channel change took place in the city. The Water Commission has been participating with the Crippled Children's School on this project. Bids were secured for both seeding and sodding. The cost of seeding the banks would be \$366.50 and for sodding would be \$566.25. The Commission participates on a 40% basis.

It was moved by Governor Guy, seconded by Commissioner Gray and carried that the Commission sod the banks of the new channel change at the Crippled Children's School on a 40% basis.

#### MISSOURI RIVER BANK STABILIZATION

Secretary Hoisveen reported on the Missouri River Bank Stabilization meeting held in the office of the Commission on March 15, 1965. Maps were used to show the location of the five major areas of erosion, and in particular the Square Butte area. The top priority project is the Square Butte Creek-Missouri River confluence area. It is estimated to cost \$700,000. There could be a loss of 4,000 acres of land if the erosion is not corrected. The Federal Government requires that the local entities maintain the project once it has been completed. The Commission authorized the meeting with the affected counties to obtain indications from the counties if they would agree to cooperate with the Commission and underwrite the assurances. There was some reticence on the part of the delegations representing the counties involved in bank stabilization project to cooperate as they were afraid it might mean

extensive costs to them. The maintenance could approximate \$45,000 per year, one half of the participation would be the responsibility of the State Water Commission and the other half would be the local entity's responsibility. The project could go along for a number of years without any maintenance and then there could be a catastrophe that would amount to more than the \$45,000. The Buford-Trenton project was cited, where no maintenance had occurred at all. The Corps requires that the counties or the State Water Commission agree to maintain protective works after the project has been completed. The river now has greater ability to pick up silt when it is released as clear water from the reservoir. This project is connected directly with the construction of the Garrison Reservoir and the surging releases from the reservoir aggravate erosion. There might be a possibility of getting the Federal Government to assume the assurances as is the case where navigation structures are cared for in the lower Missouri basin.

Commissioner Lunseth was not in favor of jetties in view of the experience of the city of Grand Forks in having jetties constructed in the Red River.

Secretary Hoisveen read a letter received from Senator Young on June 18, 1964, relative to the bank stabilization works on the Missouri River between Garrison Dam and the Oahe Reservoir, and the assurances required by the Corps of Engineers. Secretary Hoisveen explained to the Commission members the \$3,000,000 appropriation for bank stabilization was the beginning of such works and considerably more activity would be required before the project would be completed.

Governor Guy stated that he understood that downstream states do not participate in the maintenance of bank stabilization and felt it was not North Dakota's obligation to see that the Oahe Reservoir is not filled with silt.

Secretary Hoisveen stated that the International Joint Commission was meeting in Washington, D. C. the first week of April, which he would attend. He was also meeting with the Bureau of Sport Fisheries and Wildlife concerning the Minot water supply and asked if the Commission wanted him to take this matter up with Senator Young to see what can be done on this problem.

Governor Guy stated that he could go along with everything but the maintenance. Commissioner Lunseth stated that he did not think the Commission should assume responsibility for maintaining the banks forever. No other state has had to participate to this degree.

Commissioner Gray stated that because of three facts that have become known, the Commission hesitates to approve the Corps assurances because of (1) the unpredictability of costs in future years; (2) the situation with downstream states who do not make a contribution; and (3) the permanence of the stabilization, In view of these three points could the Commission at least postpone final decision?

Governor Guy recommended that the Commission commit itself to the maintenance of these structures after they are built and they will be maintained our way and the Commission will not specify any amount. (See page 7 for further discussion.) Secretary Hoisveen stated that at a

previous Commission meeting the Commission had agreed to sign the assurances.

The Commission recessed to reconvene at 1:30 o'clock p.m. The Commission reconvened at 1:30 p.m. with Commissioners Lunseth, Steinberger, Einar Dahl, Gordon Gray and Secretary Hoisveen present.

**VELVA FLOOD PROTECTIVE WORKS**

The Velva Flood Protective Works concerns assurances on the part of the local interests.

These assurances are (1) provide without cost to the United States all lands, easements, and rights-of-way necessary for the construction and subsequent maintenance of the project, when and as required; (b) hold and save the United States free from damages due to the construction of the project; (c) maintain all of the project works, including the clearing and snagging reach on the Souris River, in accordance with regulations prescribed by the Secretary of the Army. This has been discussed with Velva and they will take on the maintenance of the project.

Secretary Hoisveen stated that the State Water Commission would be subsidizing the city of Velva in this matter as this was implied when the \$200,000 special appropriation was requested in 1963. The Legislature was informed that \$100,000 would be used for the Drayton Dam, \$50,000 for the Bowman-Haley Project and a portion of the remainder would be used to help out on the Velva Flood Protective Works. We can probably have the local people make the assurances with the Corps direct, which probably would delay the project; however, they are underwriting the assurances made by the Commission for maintenance and operation features. The project will be up for bids on April 15th and the Corps expects to let the contract on May 21.

It was moved by Commissioner Steinberger, seconded by Commissioner Einar Dahl and carried that the Commission adopt the assurances.

**CRYSTAL DAM PROJECT**

The Farmers Home Administration is about to make a commitment with regard to Crystal Dam. Crystal does not have a municipal water supply. Crystal has hired a consultant and is proceeding with the project. The State Water Commission in 1957 made a cost estimate of \$25,000 and the Commission agreed to participate in one-half of the cost of the project. The Commission now contemplates the installation of two flood gates to keep flood waters at a lower level. This increases the cost to \$40,000. Secretary Hoisveen stated that the FHA was anxious to obtain the amount of our commitment to Crystal as it would aid them in processing the loan. He indicated that the FHA had called and he had contacted Commissioners Einar Dahl, Gray, Gallagher and Arne Dahl and at that time it was agreed to raise the Commission's participation to \$20,000 and he further implied that the Commission would verify the commitment at the next Commission meeting. The State Water Commission will build the dam. The Highway Department is constructing a highway adjacent to Crystal and is in the need of spoil as the dam will back water against the road bed. The Highway Department has agreed to obtain their embankment material from the reservoir site which will aid materially in making a great supply of water available to Crystal. The increased capacity computed from the removal of 100,000 cubic yards of earth from the reservoir is 67 acre-feet.

It was moved by Commissioner Lunseth, seconded by Commissioner Gray and carried that the Commission participate in the increased costs in conjunction with the Crystal Dam Project.

Governor Guy and Arne Dahl enter the meeting.

MISSOURI RIVER BANK  
STABILIZATION -  
Continued

Mr. Jochim stated that the State Water Commission and the legal entity agreed to the maintenance of the Missouri River bank stabilization in accordance with the rules

and regulations of the Corps of Engineers. The maintenance cost is based on  $1\frac{1}{2}$  per cent of the cost of the project.

It was moved by Governor Guy, seconded by Commissioner Steinberger and carried that in view of the urgency and seriousness of the Missouri River erosion between Garrison and Oahe that the Commission furnish such assurances of cooperation to the Army Corps of Engineers as may be necessary to alleviate the erosion problem through bank stabilization but reserving the right to go back to Congress to point out the Federal obligation for maintenance in years ahead.

It was moved by Commissioner Einar Dahl, seconded by Commissioner Gray and carried that the Secretary be authorized to inform the Congressional Delegation as to the action taken by the State Water Commission today.

Commissioner Gray suggested that a copy of the motion be sent to the Congressional Delegation.

Mr. Jochim stated that the State Water Commission had been dealing with the local entities and no assurances have yet been given. The Commission will give assurances to the Corps on receipt of assurances from the local entities. The local entities were told that they could deal directly with the Corps of Engineers if they wanted to. This could delay negotiations with the Corps. The assurances could be negotiated on the project as a whole. Secretary Hoisveen stated that the negotiations could be made county by county. If McLean County does not agree to give the State Water Commission assurances then the Commission should drop assurances for McLean County otherwise it would be unfair to the other counties. Mr. Jochim advised the group that the assurances to the Corps would have to be for the entire project.

It was moved by Governor Guy, seconded by Commissioner Steinberger and carried that the State Water Commission participate with the local political subdivisions interested in Missouri River bank stabilization on a basis of 50-50 cost sharing as the Commission participates with the Federal Government and the Army Corps of Engineers.

NORTH DAKOTA IRRIGATION  
DISTRICT ASSOCIATION  
RESOLUTION - Re:  
Garrison Diversion Unit

A Resolution was received from the North Dakota Irrigation District Association in support of the early construction and development of the Garrison Diversion Unit and urging the 89th Congress, 1st Session,

to approve legislation authorizing the Garrison Diversion Unit at an early date.

**UNITED POWER ASSOCIATION  
WATER RIGHT**

Secretary Hoisveen informed the Commission that he had had meetings with the United Power Association. They are located above the Basin Electric Plant. There has been a little controversy between these two organizations as to the heating of the water. This is a situation the Commission hopes to take care of through threat of cancelling the water right. The Secretary feels that by carrying the water out further into the stream would take care of this. With more and more power companies coming in this would make a good study for the Water Resources Institute.

**INTERNATIONAL SOURIS  
RIVER BOARD OF CONTROL**

Secretary Hoisveen stated that as the United States representative on the International Souris River Board of Control it was necessary to submit a report to the International Joint Commission each year. He displayed the report to the Commission members. He also showed the Commissioners through a schematic drawing depicting the recorded flows in the Souris River during the year 1964. The Canadians can legally retain 50 per cent of the waters in the Souris River for development in Canada; however, during the last calendar year, because of their inability to store this quantity of water, they passed 38.7 per cent of their share to North Dakota. The report will be made to the International Joint Commission in Washington, D. C., during the first week of April.

**BUREAU OF RECLAMATION WATER  
RIGHT EXTENSION REQUEST**

The Bureau of Reclamation was granted a water permit on the Heart River for all water originating on the Heart River above Heart Butte Dam. This permit was issued prior to the Bureau of Reclamation constructing the Heart Butte Dam. The Bureau has not used the stipulated amount indicated in the water permit. It is now possible, according to state law, for the Commission to cancel the unused portion of the permit as the Bureau of Reclamation is requesting an extension of time on the permit. Secretary Hoisveen was of the opinion that we could and should cut back a small portion of the permit through negotiations as the Bureau is now charging upstream users for installing stockwater dams. Other Bureau of Reclamation projects will be considered for development in the future and it would seem inadvisable to precipitate a hassle with the Bureau of Reclamation at this time. Secretary Hoisveen recommended that the Commission staff work with the Billings office and endeavor to negotiate some relaxation on the water they are now claiming. Their request could be extended for another five years. Secretary Hoisveen averred that in the future instead of giving an agency all the water available in a basin the Commission should reserve 10 per cent or some predetermined amount of the water remaining for upstream development. Commissioner Lunseth recommended that the Commission not break faith with the Bureau of Reclamation.

It was moved by Commissioner Einar Dahl, seconded by Commissioner Gray and carried that Secretary Hoisveen be authorized to confer with the Bureau of Reclamation prior to signing any extension to see if the water permit can be modified.

**HATTON GROUND-WATER STUDY  
EXTENSION REQUEST**

The Commission made a ground-water study, several years ago, of the Hatton area. The study was made around the perimeter and in the town. Hatton has constructed a nursing home that will be using more and more water for this and other purposes. The City of Hatton officials have

asked for an extension of the ground-water study to meet their needs. The Water Commission has estimated the cost to be \$5,000. This would be conducted on a 50-50 basis.

It was moved by Governor Guy, seconded by Commissioner Arne Dahl and carried that the Commission participate on a 50-50 basis with the City of Hatton on an extension of the ground-water study.

**RUGBY GROUND-WATER STUDY  
REQUEST FOR ADDITIONAL  
DATA**

The City of Rugby is obtaining its water supply from numerous wells within the town. This water is highly mineralized and treatment costs are very high. Rugby is running low on water and will be required to locate water outside the city limits. There appears to be a good supply of water east of Rugby. Rugby officials have expressed a desire to have additional holes drilled in this area and that the study be extended to better determine the adequacy to meet future needs.

It was moved by Governor Guy, seconded by Commissioner Steinberger and carried that the Commission participate in the City of Rugby's request for additional data pertaining to a ground-water study.

**HETTINGER REQUEST FOR  
PUMP TEST OBSERVATION  
STUDY**

The City of Hettinger is requesting the State Water Commission to conduct a pump test as an observation study for obtaining water from the Fox Hills aquifer.

The City apparently obtains all of its water from the Fox Hills aquifer. They are about to drill a new well and want the State Water Commission to observe the well to see if the yield will be sufficient and to aid in sizing the pump they should install in the well for municipal use.

It was moved by Governor Guy, seconded by Commissioner Einar Dahl and carried that the Water Commission participate in the pump test observation study for the city of Hettinger.

**HARVEY DAM**

The Commission has received a request for participation in the construction of the Harvey Dam project. The City has been working on this project for a number of years. They have a dam at the present time but it does not have sufficient depth to meet their requirements. The Commission contemplates raising it six feet higher which would meet Game and Fish Department specifications as well as furnish the locals with a desirable reservoir. The Commission has worked with the Highway Department and contemplates the use of their embankment as a part of the dam. A box type spillway would be constructed which would be in front of the bridge and tied in with the highway embankment. The anticipated cost of this project is \$51,000. Harvey would like to have a beach and park area constructed at the same time. The Game and Fish Department has indicated a desire to participate in this project and have aided in contacting some of the landowners. It is recommended that the Commission participate to the extent of one-third of \$65,000 unless funds can be obtained from the Bureau of Outdoor Recreation, then would recommend that the Commission participate to the extent of one-third of the remaining cost in which the Bureau of Outdoor Recreation does not participate, exclusive of rights-of-way.

It was moved by Governor Guy, seconded by Commissioner Arne Dahl and carried that the Commission participate in the construction of Harvey Dam on a one-third basis provided the Bureau of Outdoor Recreation's matching funds are not available to reduce the State Water Commission's commitment.

**SIoux IRRIGATION DISTRICT  
PUMP INSTALLATION REQUEST**

About four years ago the State Water Commission installed a pump which is adjacent to the Yellowstone River in McKenzie County as a cooperative endeavor with the Sioux Irrigation District. The quality of ground-water is good. The project was originally built by the Commission in the late thirties. The Yellowstone channel has degraded and frequently the intake can not be used. This ground water is an attractive substitute. Secretary Hoisveen outlines what would be necessary to install the pump. The over-all cost would be \$17,000. There was considerable discussion as to participating with the irrigation districts. It was the opinion of Governor Guy that irrigation districts were serving a small group of individual people and therefore should not seek State aid for their activities. He contended that if the State Water Commission could participate with irrigation districts then they should also participate with individuals requesting assistance with irrigation.

It was moved by Commissioner Einar Dahl and seconded by Commissioner Arne Dahl that the Commission participate in 40 per cent of the cost of pump installation for the Sioux Irrigation District. Commissioners Lunseth, Arne Dahl, Einar Dahl, Henry Steinberger voted "aye". Commissioner Gray stated that he was not going to vote "no". If other districts have had help from the Commission we cannot draw the line at this time to eliminate the State Water Commission from participating with the Sioux Irrigation District. Governor Guy voted "no". The motion carried.

Governor Guy stated that drainage is available to any one in the State. Irrigation is not available to everyone in the State. If irrigation is available to everyone then it should be publicized to let the people know. If irrigation was opened on a state-wide basis the State Water Commission could not afford it.

Commissioner Lunseth stated that a fine line is being drawn. The Commission has participated in building dams for a specific town. We have carried on ground-water studies for Hatton, Rugby and Hettinger. They are a self-sustaining group. They could well afford to drill for their own water. It has been the policy of the State Water Commission to help. The irrigation district is created to encourage the people to irrigate, to change dry land to irrigation land. The Bureau of Reclamation has set up experimental farms to demonstrate that it is possible to irrigate farms. Agriculture is, of course, the principal occupation of the state of North Dakota. Anything the State Water Commission can do to help, especially in the western part of the State should be done. Commissioner Lunseth asked whether the Commission has reached a point now where it should draw the line. Maybe the districts should be self-sustaining. The Commission should give this serious consideration in future projects.

Governor Guy stated that the Water Commission should be concerned with public welfare and not private welfare. Flood control is a broad public interest, pollution, washing out bridges - difference between acts of God and going in and subsidizing individuals.

Commissioner Steinberger pointed out that this was an extension, the same as for the cities of Hatton, Rugby and Hettinger.

It was also pointed out that the law provides the Commission shall have full and complete power, authority and general jurisdiction to (i) investigate, plan, regulate, undertake, construct, establish, maintain, control and supervise all works, dams, and projects, public and private, which in its judgment may be necessary or advisable (j) to finance the construction, establishment, and maintenance of public and private works, dams and irrigation projects, which in its judgment may be necessary.

**MICHIGAN CITY PUMPING  
TEST**

The city of Michigan is having difficulty with its municipal water supply. They feel it is traceable to the missile installations which have been pumping their aquifer and depleting the water in it. The city of Michigan is requesting that the State Water Commission carry on a pumping test to determine what the capability of a new well will be.

It was moved by Commissioner Gray, seconded by Commissioner Steinberger and carried that the Commission participate with the city of Michigan in a ground-water study to the extent of \$1,000.

**TOBACCO GARDEN CREEK AREA  
IRRIGATION POTENTIAL FROM  
GARRISON RESERVOIR**

Commissioner Einar Dahl stated there was a possibility of pumping water from the Garrison Reservoir for irrigating a portion of the Tobacco Garden Creek area. He suggested that a survey be made to see if this would be a feasible project. Secretary Hoisveen said that first they would check the soils map to see if the soils are suitable for irrigating. Governor Guy stated that he had no objection to having the State determine if there is a proper permeability to the soil to see if it is irrigable.

It was moved by Commissioner Einar Dahl, seconded by Commissioner Steinberger and carried that the Commission make a study of the Tobacco Garden Creek area as to possibility of pumping water from the Garrison Reservoir for irrigation purposes.

**COLT DAM**

Colt Dam is located in Beulah, Mercer County. The dam has been washed out and to a degree is used for recharging Beulah's municipal water supply and as a recreation area. The city of Beulah has asked the State Water Commission to construct a dam at an estimated cost of \$35,000. The State Water Commission is the only other participant unless the Bureau of Outdoor Recreation can participate. The Commission's share of the cost would be \$17,000, less whatever participation is had from other agencies.

It was moved by Governor William Guy, seconded by Commissioner Steinberger and carried that the Commission participate in the construction of Colt Dam on a 50 per cent basis.

Governor Guy leaves the meeting.

**FORDVILLE DAM**

The Fordville Park Board is requesting a study to determine the feasibility of constructing a dam in the Fordville area. Commissioner Lunseth suggested that the Commission make a study as to the feasibility and the estimated cost of constructing a dam in the Fordville area.

It was moved by Commissioner Gray, seconded by Commissioner Steinberger and carried that the Commission conduct a survey in the Fordville area relative to constructing a dam and to check the extent of the latitude of the Bureau of Outdoor Recreation in participating in making a feasible report.

**ASSISTANT SECRETARY  
AND IRRIGATION DISTRICT  
SPECIALIST**

Secretary Hoisveen stated that Vernon Cooper is secretary-treasurer for the Garrison Diversion Conservancy District and Assistant Secretary for the State Water Commission.

His activities have been confined pretty much to the formation of irrigation districts and eventually his duties would be solely confined to the Garrison Diversion Conservancy District. Secretary Hoisveen stated that he would appreciate the approval of the Commission in naming Jim Schulz as Assistant Secretary and Vernon Cooper as Irrigation District Specialist.

It was moved by Commissioner Steinberger, seconded by Commissioner Einar Dahl and carried that Jim Schulz be designated as Assistant Secretary and Vernon Cooper as Irrigation District Specialist.

**ADJUSTMENT OF THE  
ANNUAL SALARY OF  
MILO W. HOISVEEN**

Secretary Hoisveen temporarily leaves the meeting. During his absence, Commissioner Gray proposed that, in view of the added duties and responsibilities which will

devolve upon Mr. Hoisveen when he will also become the Executive Officer of the Outdoor Recreation Agency, to which office Governor Guy at the January 12, 1965, Commission meeting announced he would appoint him, an upward adjustment in Mr. Hoisveen's salary as State Engineer, Chief Engineer and Secretary of the State Water Commission to \$15,000 per year would be in order. The proposal was discussed after which Commissioner Steinberger suggested that the annual salary should be fixed at \$15,500.

Commissioner Gray then moved that the annual salary of Milo W. Hoisveen be adjusted to \$15,500 from this date, which motion was seconded by Commissioner Steinberger. Upon roll call all present voted "aye" and the motion was declared adopted.

**RESOLUTION - CHARGING  
FOR TECHNICAL ASSISTANCE:  
SOIL CONSERVATION SERVICE**

Secretary Hoisveen read a resolution in opposition to charging cooperators for technical assistance, creation of a revolving fund and reduction of the appropriation

for farmer assistance of the Soil Conservation Service.

It was moved by Commissioner Lunseth, seconded by Commissioner Steinberger and carried that the following resolution be adopted:

RESOLUTION 65-3-214

In opposition to charging cooperators for technical assistance, creation of a revolving fund, and reduction in the appropriation for farmer assistance

Adopted by North Dakota State Water Commission  
March 16, 1965

WHEREAS the United States Department of Agriculture, through its Soil Conservation Service, has for some 30 years provided technical services and assistance to owners and operators of privately-owned lands in connection with developing and applying soil conservation practices. Such assistance has been furnished without cost in the belief that it is in the total public interest, and one of the most urgent national needs, to protect and improve soil and water resources on the privately-owned lands of America; and

WHEREAS the Federal Bureau of the Budget proposes that such landowners and operators in soil conservation districts should be required to begin paying up to 50% of the cost of any Federal technical assistance they receive in helping to design, lay out, and install soil and water conservation practices on their lands; and

WHEREAS the Bureau of the Budget under its proposed farmer participation in the cost of such technical assistance has recommended a \$20 million reduction in the fiscal 1966 appropriations for the Soil Conservation Service technical program, which is approximately 20% below the level of the current fiscal year appropriation therefor, which reduction would drastically slow down the soil conservation program and adversely affect other programs related thereto, because the burden of such participating payments would fall heaviest on the family farm and small operators who are least able to pay and in the greatest need of applying the soil and water conservation practices to their lands; and

WHEREAS the establishment of the proposed revolving fund recommended by the Bureau of the Budget would be costly to administer, increase the problems related to competition for the Federal dollar and possibly inject political intervention in a program which has thus far been administered on the basis of the needs of the land and people rather than upon ability of any district or people to pay;

NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Commission, a State agency, at its meeting held in the State Capitol this 16th day of March, 1965, that it strongly opposes any reduction in the Federal technical assistance provided owners and operators of privately-owned lands in connection with applying soil and water practices on their lands and any proposal to charge such owners and operators of privately-owned lands for any part thereof, objects to the establishment of the proposed revolving fund therefor, and recommends the appropriation of funds for such technical assistance on the same level and under the same provisions as for the current fiscal year; and

BE IT FURTHER RESOLVED that a copy of this Resolution be mailed to The President of the United States, the President of the United States Senate, Speaker of the United States House of Representatives, Director of the Federal Bureau of the Budget, Secretary of the United States Department of Agriculture, each member of the North Dakota Congressional Delegation, Chairman of the United States Senate Committee on Appropriation, and Chairman of the Committee on Appropriations of the United States House of Representatives.

FOR THE NORTH DAKOTA STATE WATER COMMISSION:

S/ William L. Guy  
William L. Guy, Governor  
Chairman

ATTEST:

S/ Milo W. Hoisveen  
Milo W. Hoisveen  
Engineer-Secretary

WATER RIGHTS

#935

Commission by the Secretary for consideration.

The application of William A. Anderson of McKenzie to divert 960 acre-feet of water from underground sources for the purpose of irrigating 933.8 acres was presented to the

The State Engineer, Milo W. Hoisveen, having considered the application and made his recommendation thereon for 350 acre-feet to irrigate 350 acres, it was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the application as modified by the recommendation of the State Engineer be approved and the permit granted for the diversion of 350 acre-feet to irrigate 350 acres of land subject to such conditions as indicated on the permit.

#1256P

industrial use from underground sources was presented to the Commission by the Secretary for consideration.

The application of Henry and Inga Kjos of Park River to divert 47 acre-feet for

The State Engineer, Milo W. Hoisveen, having considered the application and made his recommendation thereon for 47 acre-feet for industrial use, it was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the application be approved and the permit granted for the diversion of 47 acre-feet for industrial use subject to such conditions as indicated on the permit.

#1257

was presented to the Commission by the Secretary for consideration.

The application of J. C. Stevenson of Carson to divert 110 acre-feet from Boxelder Creek

The State Engineer, Milo W. Hoisveen, having considered the application and made his recommendation thereon for 56 acre-feet to irrigate 56 acres, it was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the application as modified by the State Engineer be approved and the permit granted for the diversion of 56 acre-feet to irrigate 56 acres of land subject to such conditions as indicated on the permit.

#1258

The application of the Village of Flasher to divert 129 acre-feet of water from ground-water sources for municipal purposes was presented to the Commission by the Secretary for consideration.

The State Engineer, Milo W. Hoisveen, having considered the application and made his recommendation thereon for 165 acre-feet for municipal purposes, it was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the application as modified by the State Engineer be approved and the permit granted for 165 acre-feet for municipal purposes, subject to such conditions as indicated on the permit.

#1259P

The application of the U. S. Bureau of Sport Fisheries and Wildlife, Minneapolis, to divert 291 acre-feet plus storage to elevation 1724 from Alkaline Lake, tributary of Long Lake for fish and wildlife purposes was presented to the Commission by the Secretary for consideration.

The State Engineer, Milo W. Hoisveen, having considered the application and made his recommendation thereon for 291 acre-feet plus storage to elevation 1724 for fish and wildlife purposes, it was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the application be approved and the permit granted for the diversion of 291 acre-feet plus storage to elevation 1724 for fish and wildlife purposes, subject to such conditions as indicated on the permit.

#1260P

The application of the U. S. Bureau of Sport Fisheries and Wildlife, Minneapolis, to divert 1695 acre-feet plus storage to natural elevation from Harker Lake, South Marsh and Southeast Slough for fish and wildlife purposes was presented to the Commission by the Secretary for consideration.

The State Engineer, Milo W. Hoisveen, having considered the application and made his recommendation thereon for 1695 acre-feet plus storage to natural elevation for fish and wildlife purposes, it was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the application be approved and the permit granted for the diversion of 1695 acre-feet plus storage to natural elevation for fish and wildlife purposes, subject to such conditions as indicated on the permit.

#1261

The application of the U. S. Bureau of Sport Fisheries and Wildlife, Minneapolis, to divert 7139 acre-feet from Wildrice, tributary to the Red River for fish and wildlife purposes was presented to the Commission by the Secretary for consideration.

The State Engineer, Milo W. Hoisveen, having considered the application and made his recommendation thereon for 7139 acre-feet for fish and wildlife purposes, it was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the application be approved and the permit granted for the diversion of 7139 acre-feet for fish and wildlife purposes, subject to such conditions as indicated on the permit.





#1271

The application of Charles Fay of Williston to divert 75 acre-feet of water from Un-named Coulee tributary to the Little Muddy for the purpose of irrigating 49.5 acres of land was presented to the Commission by the Secretary for consideration.

The State Engineer, Milo W. Hoisveen, having considered the application and made his recommendation thereon for 49.5 acre-feet to irrigate 49.5 acres, it was moved by Commissioner Steinberger, seconded by Commissioner Gray and carried that the application as modified by the State Engineer be approved and the permit granted for the diversion of 49.5 acre-feet to irrigate 49.5 acres of land, subject to such conditions as indicated on the permit.

adjourned at 4:00 o'clock p.m.

There being no further business the meeting

Milo W. Hoisveen  
Secretary

ATTEST:

William L. Gray  
Governor-Chairman

NORTH DAKOTA STATE WATER COMMISSION  
 MONTHLY REPORT OF APPROPRIATIONS AS OF MARCH 31, 1965  
 1963 - 1965 APPROPRIATIONS

FUND -2770	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	MAR'65	UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PD & EXP -15	6,500.00	.00	6,176.82	200.24	323.18	.00	323.18
2. ADMINISTRATION -301	70,000.00	766.04	57,526.00	2,616.93	13,240.04	1,000.00	12,240.04
3. MICE OF DAMS -302	150,000.00	95,717.73	214,871.19	5,581.90	30,846.54	4,760.00	26,086.54
4. INT'L & INT -303	10,000.00	10.00	7,894.94	451.45	2,115.06	.00	2,115.06
5. TOPOGRAPHIC -304	30,000.00	6,210.42	31,547.60	3,028.06	4,662.82	4,662.82	.00
6. HYDROGRAPHIC-305	27,500.00	2,750.00	28,158.92	.00	2,091.08	2,091.08	.00
7. ENGR & GEOL -306	60,000.00	51,064.23	102,500.42	2,632.13	8,563.81	1,200.00	7,363.81
8. COOP 2/US DEP ETC-307	60,000.00	6,000.00	55,740.75	1,761.12	10,259.25	.00	10,259.25
9. ENGR INVEST -308	145,000.00	4,947.12	126,788.07	5,482.38	23,159.05	1,000.00	22,159.05
10. ADM WATER RIGHTS-309	10,000.00	.00	8,624.22	971.01	1,375.78	.00	1,375.78
	<u>569,000.00</u>	<u>167,465.46</u>	<u>398,289.93</u>	<u>22,725.22</u>	<u>96,636.61</u>	<u>14,713.90</u>	<u>81,922.71</u>

NOTE - \$10,000 TRANSF. FROM #304 TO #305, 306 & 307  
 \$6,210.42 TRANSF. FROM EM CORRN TO #304

SWC FILE C5-1.2

NORTH DAKOTA STATE WATER COMMISSION

STATUS OF CONTINUING APPROPRIATIONS  
AS OF MARCH 31, 1965

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	MAR '65	UNEXPENDED	ENCUMB.	UNENCUMB.
20. MULTIPLE PURPOSE	500,000.00						
CARRIED FWD -3770	337,928.21	214,156.36	613,785.48	16,594.28	438,299.09	229,847.00	208,452.09
21. CONST BOND GUAR-8770	90,000.00	21,455.69	21,455.69	.00	90,000.00	.00	90,000.00

NOTE - FUND #21 RECEIPTS ARE OBTAINED FROM RETIREMENT OF AND INTEREST ON SECURITIES THAT WERE IN THE COMMISSION'S SINKING FUND IN EXCESS OF THE AMOUNT REQUIRED TO RETIRE THE SERIES "J" BOND ISSUE ON DECEMBER 10'57. ORIGINAL DISBURSEMENTS FROM FUND #21 WERE MADE DURING THE EARLY 1940'S IN ACCORDANCE WITH SECTION 61-02-56 OF THE CENTURY CODE WHICH PROVIDES THAT THE COMMISSION MAY GUARANTEE OR INSURE, OR AGREE TO PAY, THE INTEREST ON AND PRINCIPAL OF COMMISSION REVENUE BONDS, NOT EXCEEDING 20% OF THE PAR VALUE OF ANY SUCH BONDS.

SCHEDULE OF BONDS & INTEREST RECEIVABLE - FUND #21 "8770"

TYPE	DUE DATE	INTEREST RATE	INTEREST REC TO MATURITY	PRINCIPAL	TOTAL INCOME ANTICIPATED
U.S. SERIES K BONDS	5-65	2.76%	\$ 20.70	\$ 1,500	\$ 1,520.70
U.S. SERIES K BONDS	4-67	2.76%	138.00	2,000	2,138.00
U.S. TREASURY BONDS	12-68	2.50%	300.00	3,000	3,300.00
SIoux IRRIG DIST BONDS	1984 SERIALY	2.25%	4,173.75	15,500	19,673.75
			\$4,632.45	\$ 22,000	\$26,632.45

EXCESS OVER \$90,000 CASH TO BE CREDITED TO GENERAL FUND. 1-2-58 AG OPINION.

NORTH DAKOTA STATE WATER COMMISSION  
PAYROLL - MARCH 31, 1965

SALARIED EMPLOYEES

NAME	POSITION	PAY GRADE	REMARKS	SALARY	W/TX	S.S.	INS.	BONDS	NET
HOISVEEN, MILO W.	STATE ENGR	Q-10	INC JUL '63	1,125.00	134.20	40.78	13.70	168.75	767.57
BAESLER, GORDON	DRAFTSMAN	I-1	INC JUL '64	466.67	50.20	16.92			399.55
CHRISTENSEN, RAY	ENGR AID	F-4	INC DEC '64	345.17	40.90	12.51			291.76
COOPER, VERNON S.	ASST. SECY	1-9	INC NOV '64	289.34	30.00	10.49	13.70		235.15
ENGSTROM, VIRGLE	RODMAN	D-10	INC NOV '64	285.75	32.00	10.36	2.15		241.24
FREDRICKSON, FRED	COORDINATOR	L-7	INC OCT '64	727.67	125.00	26.30	13.70		562.59
FROELICH, LARRY	GEOLOGIST	J-2	INC AUG '64	532.17	35.30	19.29	13.35		464.23
GLOVER, DALE	HYDROLOGIST	M-1	INC AUG '64	666.67	150.00	24.17			492.50
HILAND, LEONE	CH STENO	G-6	INC MAY '64	421.67	60.20	15.29	2.25		343.93
JOCHIM, CLIFF	ATTORNEY	F-5	INC OCT '64	354.67	68.60	12.86	13.70		259.51
KAHIL, AL	GEOLOGIST	H-5	INC DEC '64	466.67	65.80	16.92	12.95		371.00
KNUTSON, LEWIS	DRILLER	H-4	INC AUG '64	454.17	31.90	16.46			405.81
LINDVIG, MILT	ENGINEER	J-4	INC DEC '64	563.17	72.00	20.41			470.76
LIVERSAGE, KAY	STENO	E-2	INC MAY '64	274.67	30.90	9.96	2.15	18.75	212.91
NELSON, C.P.	ENGINEER	L-5	INC APR '64	690.67	98.00	25.04			567.63
PUTZ, ROY	OFF ASST	C-8	INC APR '64	231.92	16.60	8.41	2.15		204.76
RIVINIUS, MERRIL	ENGINEER	J-8	INC AUG '64	625.17	86.80	22.66	2.40		513.31
SACKMAN, EUGENE	SURVEYOR	H-4	INC APR '64	454.17	31.90	16.46	13.35		392.46
SANDWICK, HAZEN	ENGINEER	M-7	INC DEC '64	787.67	70.30	28.55	13.70		675.12
SCHANTZ, GEORGE	ENGR AID	E-6	INC AUG '64	173.34	17.20	6.28	13.85		136.01
SCHMID, ROGER	GEOLOGIST	J-3	INC AUG '64	547.67	45.90	19.85	13.35		468.57
SCHULZ, DELTON	ENGINEER	J-10	INC JUL '64	656.17	92.40	23.79	13.70		526.28
SCHULZ, JIM	ACCOUNTANT	K-6	INC JUL '64	651.67	92.40	23.62	13.70		521.95
SCHULZ, SHERRYN	RES ASST	D-5	INC MAY '64	252.00	35.30	9.13			207.57
SCHWEIGERT, CAL	RODMAN	D-5	RES MAR '65	97.83	6.40	3.55	11.95		75.93
WALTERSON, HOWARD	CONST SUPT	I-3	INC MAR '64	494.67	53.00	17.93	13.70		410.04
WALTERSON, JEAN	DRAFTSMAN	F-9	INC JUL '64	392.67	47.70	14.23			330.74
WILKE, JENENE	STENO	C-6	INC SEP '64	238.50	25.50	8.65			204.35
ZIEGLER, VIC	ENGINEER	M-9	INC JUL '64	827.67	99.20	30.00	13.70		684.77
SWC GROUP INSURANCE	-2005			105.00			105.00		.00
FROEMMING, DALE	OPERATOR	1.75	INC JAN '65	350.00	40.50	12.70			296.80
SENGER, TONY	OPERATOR	2.25	INC MAR '64	450.00	54.50	16.30			379.20
VOELLER, PIUS	FOREMAN	2.40	INC MAR '64	480.00		17.40	12.95		449.65
				15,480.25	1,840.60	557.35	331.15	187.50	12,563.65

NORTH DAKOTA STATE WATER COMMISSION  
MONTHLY REPORT OF APPROPRIATIONS AS OF APRIL 30, 1965  
1963 - 1965 APPROPRIATIONS

FUND -2770	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	APR '65	UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PD & EXP -15	6,500.00	.00	6,234.90	58.08	265.10	.00	265.10
2. ADMINISTRATION -301	70,000.00	874.43	62,910.07	5,384.07	7,964.36	1,000.00	6,964.36
3. MTGE OF DAMS -302	150,000.00	95,717.73	220,283.53	5,412.34	25,434.20	4,360.00	21,074.20
4. INT'L & INT -303	10,000.00	10.00	8,223.99	329.05	1,786.01	.00	1,786.01
5. TOPOGRAPHIC -304	30,000.00	6,210.42	31,547.60	.00	4,662.82	4,662.82	.00
6. HYDROGRAPHIC-305	27,500.00	2,750.00	28,158.92	.00	2,091.08	2,091.08	.00
7. ENGR & GEOL -306	60,000.00	51,064.23	105,486.91	2,986.49	5,577.32	1,200.00	4,377.32
8. COOP W/US DEP ETC-307	60,000.00	6,000.00	57,657.96	1,917.21	8,342.04	.00	8,342.04
9. ENGR INVEST -308	145,000.00	4,947.12	134,085.58	7,297.51	15,861.54	1,000.00	14,861.54
10. ADM WATER RIGHTS-309	10,000.00	.00	9,718.95	1,094.73	281.05	.00	281.05
	<u>569,000.00</u>	<u>167,573.93</u>	<u>664,308.41</u>	<u>24,479.48</u>	<u>72,265.52</u>	<u>14,313.90</u>	<u>57,951.62</u>

NOTE - \$10,000 TRANSF. FROM #304 TO #305, 306 & 307

\$6,210.42 TRANSF. FROM EM COMM TO #304

SWG FILE C5-1.2

NORTH DAKOTA STATE WATER COMMISSION

STATUS OF CONTINUING APPROPRIATIONS  
AS OF APRIL 30, 1965

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	APR '65	UNEXPENDED	ENCUMB.	UNENCUMB.
20. MULTIPLE PURPOSE CARRIED FWD -3770	500,000.00 337,928.21	214,584.41	616,536.66	2,751.18	435,975.96	202,743.00	233,232.96
21. CONST BOND GUAR-8770	90,000.00	21,832.04	21,455.69	.00	90,376.35	.00	90,376.35

NOTE - FUND #21 RECEIPTS ARE OBTAINED FROM RETIREMENT OF AND INTEREST ON SECURITIES THAT WERE IN THE COMMISSION'S SINKING FUND IN EXCESS OF THE AMOUNT REQUIRED TO RETIRE THE SERIES "J" BOND ISSUE ON DECEMBER 10 '57. ORIGINAL DISBURSEMENTS FROM FUND #21 WERE MADE DURING THE EARLY 1960'S IN ACCORDANCE WITH SECTION 61-02-56 OF THE CENTURY CODE WHICH PROVIDES THAT THE COMMISSION MAY GUARANTEE OR INSURE, OR AGREE TO PAY, THE INTEREST ON AND PRINCIPAL OF COMMISSION REVENUE BONDS, NOT EXCEEDING 20% OF THE PAR VALUE OF ANY SUCH BONDS.

SCHEDULE OF BONDS & INTEREST RECEIVABLE - FUND #21 "8770"

TYPE	DUE DATE	INTEREST RATE	INTEREST REC TO MATURITY	PRINCIPAL	TOTAL INCOME ANTICIPATED
U.S. SERIES K BONDS	5-65	2.76%	\$ 20.70	\$ 1,500	\$ 1,520.70
U.S. SERIES K BONDS	4-67	2.76%	110.40	2,000	2,110.40
U.S. TREASURY BONDS	12-68	2.50%	300.00	3,000	3,300.00
SIoux IRRIG DIST BONDS	1984 SERIALLY	2.25%	3,825.00	15,500	19,325.00
			<u>\$ 4,256.10</u>	<u>\$ 22,000</u>	<u>\$26,256.10</u>

EXCESS OVER \$90,000 CASH TO BE CREDITED TO GENERAL FUND. 1-2-58. AG OPINION.

NORTH DAKOTA STATE WATER COMMISSION  
PAYROLL - APRIL 30, 1965

SALARIED EMPLOYEES

NAME	POSITION	PAY GRADE	REMARKS	SALARY	W/TX	S.S.	INS.	BONDS	NET
HOISVEEN, MILO W.	STATE ENGR	Q-10	INC MAR '65	1375.00	169.20	49.84	13.70	168.75	973.51
BAESLER, GORDON	DRAFTSMAN	I-1	INC JUL '64	466.67	50.20	16.92			399.55
CHRISTENSEN, RAY	ENGR AID	F-4	INC DEC '64	345.17	40.90	12.51			291.76
COOPER, VERNON	IRRIG SPEC	1-9	INC NOV '64	289.34	30.00	10.49	13.70		235.15
ENGSTROM, VIRGLE	RODMAN	E-6	INC APR '65	306.67	35.30	11.12	13.35		246.90
FREDRICKSON, FRED	COORDINATOR	L-7	INC OCT '64	727.67	125.00	26.38	13.70		562.59
FROELICH, LARRY	GEOLOGIST	K-2	INC APR '65	583.67	43.70	21.16	13.35		505.46
GLOVER, DALE	HYDROLOGIST	M-1	INC AUG '64	666.67	150.00	24.17			492.50
HILAND, LEONE	CH STENO	G-6	INC MAY '64	421.67	60.20	15.29	2.25		343.93
JOCHIM, CLIFF	ATTORNEY	F-5	INC OCT '64	354.67	68.60	12.86	13.70		259.51
KAHIL, AL	GEOLOGIST	H-5	INC DEC '64	466.67	65.80	16.92	12.95		371.00
KNUTSON, LEWIS	DRILLER	H-4	INC AUG '64	454.17	31.90	16.46			405.81
LINDVIG, MILTON	ENGINEER	K-3	INC APR '65	600.67	79.00	21.77			499.90
LIVERSAGE, KAY	STENO	E-5	INC APR '65	298.67	34.20	10.83	2.15	18.75	232.74
NELSON, C.P.	ENGINEER	L-7	INC APR '65	727.67	103.60	26.38			597.69
PUTZ, ROY	OFF ASST	D-5	INC APR '65	252.00	19.70	9.13	2.15		221.02
RIVINIUS, MERRIL	ENGINEER	J-10	INC APR '65	656.17	92.40	23.79	2.40		537.58
SACKMAN, EUGENE	SURVEYOR	H-6	INC APR '65	479.17	34.70	17.37	13.35		413.75
SANDWICK, HAZEN	ENGINEER	M-7	INC DEC '64	787.67	70.30	28.55	13.70		675.12
SCHANTZ, GEORGE	ENGR AID	E-6	INC AUG '64	248.26	19.70	9.00	13.85		205.71
SCHMID, ROGER	GEOLOGIST	K-3	INC APR '65	600.67	55.70	21.77	13.35		509.85
SCHULZ, DELTON	ENGINEER	J-10	INC JUL '64	656.17	92.40	23.79	13.70		526.28
SCHULZ, JIM	ASST SECY	N-3	INC APR '65	759.67	103.60	27.54	13.70		614.83
SCHULZ, SHERRYN	RES ASST	D-5	INC MAY '64	252.00	35.30	9.13			207.57
TILLOTSON, ANN	RES ASST	D-5	STA APR '65	125.00	13.75	4.53			106.72
WALTERSON, HOWARD	CONST SUPT	I-5	INC APR '65	522.67	58.60	18.95	13.70		431.42
WALTERSON, JEAN	DRAFTSMAN	F-9	INC JUL '64	392.67	47.70	14.23			330.74
WILKE, JENENE	STENO	C-6	INC SEP '64	238.50	25.50	8.65			204.35
ZIEGLER, VIO	ENGINEER	M-9	INC JUL '64	827.67	99.20	30.00	13.70		684.77
SWC GROUP INSURANCE	-2005			100.00			100.00		.00
FROEMMING, DALE	OPERATOR	1.75	INC JAN '65	266.00	30.40	9.65			225.95
SENGER, TONY	OPERATOR	2.00	INC APR '64	438.00	54.20	15.88			367.92
VOELLER, PIUS	FOREMAN	2.50	INC APR '65	466.00	9.10	16.89	12.95		427.06
				16,153.34	1,949.85	581.95	325.40	187.50	13,108.64