

STATE WATER CONSERVATION COMMISSION
Minutes of Meeting
Held in Dacotah Hotel
Grand Forks, North Dakota
October 14, 1954

A regular meeting of the North Dakota State Water Conservation Commission was called to order on October 14, 1954, in the "B" Room of the Dacotah Hotel in Grand Forks, North Dakota, to consider regular business matters and to meet with delegations from the Mauvais Coulee and Hurricane Lake areas. The following were present:

MEMBERS OF STATE WATER CONSERVATION COMMISSION:

- Honorable Norman Brunsdale, Governor and Ex-Officio Chairman
- Curtis Olson, Vice-Chairman, Member from Valley City
- Oscar Lunseth, Member from Grand Forks
- Earle F. Tucker, Member from Bismarck
- Math Dahl, Member from Bismarck, Commissioner of Agriculture and Labor
- Milo W. Hoisveen, Secretary and Chief Engineer

OTHERS PRESENT AT THE MEETING:

- Mr. Donald Noltimier, Churchs Ferry
- Mr. Locklyn Doyle, Churchs Ferry
- Mr. and Mrs. Roy Noltimier, Churchs Ferry
- Mr. L. F. Doyle, Churchs Ferry
- Mr. Ewald Henke, Churchs Ferry
- Mr. Roy Cowan, Churchs Ferry
- Mr. Amund Rauk, Leeds
- Mr. Ernest L. Stove, Leeds
- Mr. L. A. Anderson, County Commissioner, Churchs Ferry
- Mr. F. E. Foughty, Devils Lake
- Mr. Victor Straabe, Leeds
- Mr. Selmer Straabe, Leeds
- Mr. Ellison Madden, Devils Lake
- Mr. Wesley D. Parks, Fort Totten
- Mr. Severt Overbo, Garske
- Mr. and Mrs. John Magnuson, Churchs Ferry
- Mr. and Mrs. Oscar Nord, Churchs Ferry
- Mr. and Mrs. Reuben Overland, Churchs Ferry
- Mr. and Mrs. Adolph Overland, Churchs Ferry
- Mr. and Mrs. John Elsperger, Maza
- Mr. and Mrs. Albert W. Moen, Churchs Ferry
- Mr. S. F. Thomas, Egeland
- Mr. Wilton B. Webster, Churchs Ferry
- Mr. Earl W. Miller, Churchs Ferry
- Mr. Vender Olson, County Commissioner, Starkweather
- Mr. C. A. Bye, County Commissioner, Crary
- Mr. E. W. Hagen, County Commissioner, Devils Lake
- Mr. A. J. Thompson, County Engineer, Devils Lake
- Mr. W. C. Lincoln, Corps of Engineers, Grand Forks
- Mr. George E. Lyon, Corps of Engineers, St. Paul, Minnesota
- Col. Otto J. Rohde, Corps of Engineers, St. Paul, Minnesota
- Mr. F. C. Gillett, U. S. Fish and Wildlife Service, Minneapolis, Minnesota
- Mr. R. W. Dougall, U. S. Fish and Wildlife Service, Minneapolis, Minnesota
- Mr. Walter W. Augstadt, Soil Conservation Service, Bismarck
- Mr. Helmer Skaar, York, North Dakota

Mr. Allen L. Fisk, Soil Conservation Service, Devils Lake
 A. J. Dexter, Agricultural Development Agent, N. P. Railway, St. Paul, Minnesota
 Mr. R. L. Dushinske, Devils Lake
 A. J. Christopher, Mayor, Pembina
 Mr. Grant Trenbeath, Neche
 Honorable Milton R. Young, United States Senator
 Fred J. Fredrickson, Planning Coordinator, State Water Commission
 Vernon S. Cooper, Assistant Secretary, State Water Commission
 I. A. Acker, Special Assistant Attorney General for the State Water Commission
 G. A. Freeman, Bureau of Reclamation, Bismarck

The meeting was called to order at 2:15 o'clock p.m. by Governor Norman Brunsdale with Commissioners Curtis Olson, Oscar Lunseth, Earle F. Tucker, Math Dahl, Secretary Milo W. Hoisveen, Assistant Secretary Vernon S. Cooper, I. A. Acker, U. S. Senator Milton R. Young and the above-named people present.

State Engineer Milo W. Hoisveen discussed the situation existing in the Mauvais Coulee area. He stated that the contributing drainage area approximates 700 square miles and that between 12 to 15 thousand acres of land are inundated. The main problem is one of channel clearance and removing bottlenecks into Pelican Lake and Oswald Bay. As a result of channel obstructions, 600 c.f.s. were at one time being discharged into the lake area while only 132 c.f.s. were leaving the area. Approximately 34,000 acre feet had passed through Mauvais Coulee this summer. Meetings have been previously held in Churchs Ferry, Starkweather, Devils Lake and Minnewauken relative to the formation of a Water Conservation and Flood Control District for this area; however, there have been various objections to the formation of this proposed district. Losses were greater this year than in previous years as the flood resulted from rain and crops were destroyed. Previous floods resulted from snow melt.

L. A. Anderson, Ramsey County Commissioner, called upon several members of the delegation to express their views on this problem.

Mr. Donald Noltimier, Churchs Ferry, stated that he had planted 760 acres of crop this year but was only able to harvest approximately 50 acres because his land is underwater.

Mr. Oscar Nord reported that high waters had caused trouble for many years before it was called to the attention of any officials. He said that at one time a drainage district had been organized and surveys were made; however, it was determined that the distance the water would have to be moved was so great that the project would not be feasible and was consequently dropped.

Albert Moen, Churchs Ferry, informed those present that he had planted 600 acres but could harvest only 100 acres.

It was pointed out by Roy Noltimier that the main trouble seems to be from Lake Irvine south. He stated that the coulee is not large enough to handle the tremendous amount of water and the slope is too little. Mr. Noltimier reported that various man-made obstructions, such as fill-ins for cattle crossings, have also caused a great deal of trouble.

S. F. Thomas, Towner County Commissioner, stated that the water seems to originate in the Turtle Mountains and moves down across Towner County causing the loss of much land and a number of bridges every year.

Mr. Helmer Skaar said that the outlet to the lake is very small and can-

not handle the amount of water during the runoff periods. He reported that during three of the past five years they have suffered considerable damage.

E. W. Hagen, Devils Lake, Ramsey County Commissioner, stated that the people want to get this flood problem controlled so they can regain the use of their land and still have water in the lakes for game refuges, stock water purposes, etc.

A. C. Berg, County Commissioner from Benson County, stated that the Benson County Commissioners had held a special meeting earlier in the week and went on record against draining the water down through Benson County as it would be very inconvenient for farmers in that area as they have pastures on both sides of the drainage channel.

Fred J. Fredrickson, Planning Coordinator for the State Water Conservation Commission, stated that it would be difficult to establish the boundaries for the proposed Water Conservation and Flood Control District until a survey has been completed. Mr. Fredrickson pointed out that there are several possible ways of carrying out this project. The Soil Conservation Service could undertake this project under the newly enacted Watershed Act or they could work together with the Corps of Army Engineers under 212 Section which permits the Corps to complete a project without congressional authorization if completed at a cost not to exceed \$150,000. They could also utilize the Snagging and Clearing Act which authorizes them to spend up to \$100,000 for a project without congressional approval.

Senator Young asked Colonel Rohde of the Army Engineers if he could estimate the cost of such a survey. Mr. George E. Lyon of the Corps of Engineers stated that the survey would cost approximately \$30,000 and the total cost of the project would be more than a million dollars. Local contributions would be necessary to cover the costs of rights-of-way, necessary utility alterations and the costs of operation and maintenance after the project was completed. Mr. Lyon reported that a public hearing was held in 1951 relative to this project and at that time it was estimated that five million yards of dirt would have to be excavated. A second channel was proposed out of Dry Lake or Sweetwater Lake under those plans. Mr. W. C. Lincoln of the Corps of Engineers stated that he was sure work could not be started on such a survey this year as the Corps does not have any unallocated funds. He further estimated that the survey and investigation would take almost a year to complete.

Mr. F. C. Gillett of the U. S. Fish and Wildlife Service reported that the Fish and Wildlife Service did maintain a dam in Mauvais Coulee at Silver Lake about five miles south of Churchs Ferry. In 1951 following a flood a channel was dug around the dam and the dam was opened. The dam itself was left in the channel so that it could be enlarged in the future. He stated that the dam does not interfere with the passage of water in the coulee.

Mr. Roy Noltimier replied that the dam is 20 feet high and 60 rods long. He said that originally the Fish and Wildlife Service put a rock spillway over on the east side. In 1951 they got a local man to open the channel but the dam still remains there and the bottom of the channel that was cut is still 5 feet higher than the original channel in the coulee immediately above the dam.

It was questioned whether or not easements had been obtained by the Fish and Wildlife Service when they built the dam. Mr. R. W. Dougall of the Fish and Wildlife Service stated that easements and water-rights had been obtained. However, Roy Noltimier said that he owns 600 acres and no easements were obtained from him. Oscar Nord also stated that the crest of the spillway affects 1/4 of land that he knows no easements have been issued on.

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Mr. Foughty, Assistant States Attorney from Ramsey County, asked if it would be possible for the State Water Conservation Commission to run a limited survey to make a determination if these man-made barriers made by the Wildlife Service are causing or contributing to the conditions that are injuring their land. Secretary Milo W. Hoisveen stated that the U. S. Fish and Wildlife Service held easements in the lower area of Lake Alice and without a survey it would be impossible to ascertain whether or not they were exceeding the rights granted in the easements.

Mr. Helmer Skaar questioned the legality of the Iverson Dam and further stated that the Wildlife Clubs appeared to be afraid to let more water over the dam as they thought it might float away. Mr. Skaar said that considerable more water could go over the dam but the Wildlife Clubs will not let it. Mr. Skaar requested that an investigation be made by the State Water Conservation Commission of this situation.

Secretary Milo W. Hoisveen informed Mr. Skaar that the dam was legally constructed as easements are on file in the State Water Conservation Commission files. He also stated that it would be possible for the State Water Commission to carry out an investigation regarding the Iverson Dam situation in the near future.

Mr. D. A. Brown, York, North Dakota, stated that there is also a great flood problem in the vicinity of Hurricane Lake. He reported that the culverts are much too small to carry the water that comes down through Towner and Benson Counties. Mr. Brown stated that approximately 165 square feet of bridges and culverts are provided to allow water to come into Hurricane Lake and only about 20 square feet of bridges and culverts are provided at the outlet channel. He said that it is the desire of the people affected by the water to get the culverts open so that the water will flow out.

Mr. Vender Olson stated that he lives in the northern part of Ramsey County and has considerable land affected by the high water. He stated that it was the opinion of several of the farmers in that area that possibly the water could be worked from Lake Alice and Lake Irvine east through a ditch into Dry Lake. Secretary Hoisveen reported that the State Water Conservation Commission had made a survey of the Dry Lake area in view of a drainage project that would drain water from the Dry Lake area into Mauvais Coulee. Running water from Lake Alice to Dry Lake and then into Six Mile Bay would entail moving some 2 million yards of dirt as well as draining Dry Lake entirely. Draining in this direction would be contrary to the natural slope of the ground. However, it is possible to drain Dry Lake and the country to the east into Six Mile Bay.

Mr. Ernest Stove of Leeds, North Dakota, stated that channels in Hurricane Lake are plugged with dirt and consequently the flow is impaired until it gets to Iverson Dam.

Senator Milton R. Young asked Colonel Rohde if the Snagging Funds could possibly be used for such a program to aid in the problem at Hurricane Lake. Colonel Rohde stated that he thought they possibly could be and that he would check further into the situation. It was also stated that Hurricane Lake should be included in the proposed survey project as it is part of the Devils Lake drainage area.

The Mauvais Coulee delegation left the meeting at 3:30 o'clock p.m.

A request by Mrs. Evelyn Moen, Churchs Ferry, for a survey of the Lake

Alice-Lake Irvine flood area was considered by the Commissioners. Mrs. Moen stated that they had requested the U. S. Fish and Wildlife Service to remove the dam they built but they will not do so as they say the dam is not hurting anyone. She stated that they wanted someone to make an impartial survey so they can prove whether or not the dam built by the Fish and Wildlife Service is causing any damage. Mrs. Moen said that they would not use the results of the survey in any action against the U. S. Fish and Wildlife Service if the Commission so desired.

It was moved by Vice-Chairman Curtis Olson, and seconded by Commissioner Oscar Lunseth, that the State Water Conservation Commission make a preliminary survey and investigation of the Lake Alice-Lake Irvine flood area as requested by Mrs. Evelyn Moen. Upon roll call by Governor Brunsdale, all Commissioners voted aye and the motion carried.

Vice-Chairman Curtis Olson reported to the Commission that the recent tour of the Red River valley with Col. Otto J. Rohde was very successful. He stated that stops were made at Baldhill Dam, Grand Forks where they inspected the dykes which are being constructed, Homme Dam at Park River, Walhalla and Pembina where a public hearing was held relative to the severe flood problem in the Red River valley. A meeting was also held at Fargo concerning the flood protection program for that city. Commissioner Olson reported that Senator Milton R. Young also accompanied the tour and was very favorably impressed.

Mayor A. J. Christopher, Pembina, and Grant Trenbeath, Secretary, Pembina River Flood Control Association, entered the meeting at 4:15 o'clock p.m.

Mayor A. J. Christopher of Pembina presented a report of data compiled by various interested parties concerning flood damages occurring during the years 1948 through 1952 in the Pembina River area. Following is a short resume of the estimated costs of the flood damage: cropland and crops \$2,472,258, farm buildings \$149,000, Pembina City \$716,418, County roads and bridges \$1,502,700, Walhalla \$81,734 and Neche \$176,000. The total estimated cost of the damages was \$5,098,110. The above figures do not include damages suffered by the Great Northern Railway, Northern Pacific Railway, Bell Telephone, Otter Tail Power Company and flood relief provided by the Red Cross. Funds have been appropriated by Congress to complete the survey and investigation of this area.

Fred J. Fredrickson reported to the Commissioners that a meeting will be held in Marmarth on October 18 relative to the flood protection program for the City of Marmarth on the Little Missouri River. Secretary Milo W. Hoisveen, Col. H. L. Hille, Commissioner Earle F. Tucker and Fred J. Fredrickson will meet with officials from the city of Marmarth.

Fred J. Fredrickson, Planning Coordinator for the State Water Commission, informed the Commission that a meeting was held on October 1 with some of the Commissioners of the Lower Heart Flood Control District in an effort to work out a flood control program that would meet with the approval of the City of Mandan. This meeting was attended by Secretary Milo W. Hoisveen, Fred J. Fredrickson, Col. H. L. Hille, Corps of Engineers and officials from the City of Mandan. Mr. Fredrickson stated that a further meeting between the city officials from Mandan and the Corps of Engineers is to be arranged in the near future.

Secretary Milo W. Hoisveen presented to the Commission a request from Grand Forks County for financial assistance in the construction of Falconer Drains #4 and #5. The construction costs of these drains would be \$2,380.21 and \$867.34. The Commission's share in the construction of Drains #4 and 5 would be \$955.00 and \$347.00 respectively which totals \$1,302.00. This grant

would not exceed Grand Forks County's previous allocation as sufficient money had been saved on other drain contracts to permit them to stay within their allocation.

It was moved by Commissioner Oscar Lunseth, and seconded by Vice-Chairman Curtis Olson, that the State Water Conservation Commission participate in the construction of Falconer Drains #4 and #5 in Grand Forks County and authorize payment of \$955.00 and \$347.00 respectively as the Commission's share in the cost of the construction. Upon roll call by Governor Brunsdale, Commissioners Curtis Olson, Oscar Lunseth, Earle F. Tucker, Math Dahl and Governor Brunsdale all voted aye. Motion carried.

A request from the Ward County Drain Commissioners for financial assistance in the construction of a drain in the vicinity of Max, North Dakota, was presented to the Commissioners by Secretary Milo W. Hoisveen. Secretary Hoisveen stated that there have been some objections to the construction of the drain. It was decided that an investigation should be carried out before the State Water Conservation Commission acts upon the request.

The report of the Subcommittee on the feasibility of the State Water Conservation Commission operating development farms was read by Secretary Milo W. Hoisveen. Mr. G. A. Freeman of the Bureau of Reclamation informed the Commission that a delegation from Sheyenne, North Dakota, would like to meet with the State Water Conservation Commission on October 15 relative to the establishment of a development farm at Sheyenne. Secretary Hoisveen said that it was the consensus of opinion of the Subcommittee that the most desirable method of establishing development farms would be: 1) owner operator irrigated farm established through the use of the owner's capital and initiative, 2) Bureau of Reclamation advised and financed program similar to the Deep River Farm and 3) North Dakota State Water Conservation Commission and North Dakota Agricultural College developed and financed farm. Secretary Hoisveen stated that some consideration should also be given to obtaining cooperative funds on a 50-50 basis from the Bureau of Reclamation for the operation of this program.

Secretary Milo W. Hoisveen reported that there are two farmers in the vicinity of the Oakes project that could go ahead and develop some land on their own. Mr. Ivan Roudine has stated that he will spend \$10,000 to develop 80 acres of land for irrigation. Mr. Paul Roney would also develop approximately 80 acres of land for sprinkler irrigation.

Mr. G. A. Freeman stated that these two farmers could go ahead on their own but there are also others in the area that would require some financial assistance. Mr. Freeman also pointed out that only about 5 inches of rain fell in that vicinity this summer so the need for irrigation was great this year.

It was moved by Vice-Chairman Curtis Olson, and seconded by Commissioner Oscar Lunseth, that the State Water Conservation Commission go on record as being willing to give all the technical assistance possible to the farmers who develop land for irrigation on their own. Upon roll call by Governor Brunsdale, all Commissioners voted aye and the motion carried.

A letter dated September 23, 1954, from G. C. Holm, Director, North Dakota Agricultural College, was read to the Commission by Secretary Milo W. Hoisveen, stating that a budget of \$60,300 had been prepared to carry on soil survey work for irrigation. However, when the budget was reviewed by the Board of Higher Education the item for soil survey work was deleted as the Board felt the funds for this work should come from either a special appropriation or from

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a State Water Conservation Commission grant. Assistant Secretary Vernon S. Cooper reported that since 1949 the State Water Commission has granted \$70,000 for this work from the item in the budget entitled "Cooperation with U. S. Departments". It was decided that a special appropriation should be requested for this work from the 1955 Legislature.

Governor Norman Brunsdale reported that a meeting of the Missouri Basin Inter-Agency Committee will be held in Bismarck on October 28 followed by a tour of Garrison Dam on October 29. It was decided that a meeting of the State Water Conservation Commission would be held on October 27 in conjunction with the Inter-Agency meeting.

Secretary Milo W. Hoisveen informed the Commissioners that he had obtained the estimated prices of dedicatory plaques for dams repaired or reconstructed by the State Water Conservation Commission. Granite stones with 40 to 60 words would cost approximately \$60.00 and bronze plaques would run between \$65.00 and \$75.00. Secretary Hoisveen reported that the State Game and Fish Department would be willing to participate in the cost of plaques on dams where they were affected. The Commission deferred action on this matter for the present time. It was thought dedicatory plaques may be tried out in one or two instances if other sponsors of the projects would share in the costs.

Commissioner Earle F. Tucker reported that a meeting was held with the Budget Board on October 8 relative to the State Water Conservation Commission's budget request for the next biennium. Commissioner Tucker stated that with a few minor adjustments the budget request appeared to meet with approval.

The meeting adjourned at 5:15 o'clock p.m. to reconvene at 9:15 o'clock a.m. on Friday, October 15. The following were present:

MEMBERS OF STATE WATER CONSERVATION COMMISSION:

Honorable Norman Brunsdale, Governor and Ex-Officio Chairman
Curtis Olson, Vice-Chairman, Member from Valley City
Oscar Lunseth, Member from Grand Forks
Earle F. Tucker, Member from Bismarck
Math Dahl, Member from Bismarck, Commissioner of Agriculture and Labor
Milo W. Hoisveen, Secretary and Chief Engineer

OTHERS PRESENT AT THE MEETING:

Mr. Alf Garnaas, Sheyenne
Mr. M. A. Erickson, Sheyenne
Mr. Arnold Berg, Sheyenne
Mr. Bruce Larson, Sheyenne
Mr. Adolph Gross, County Agent, New Rockford
Mr. R. L. Dushinske, Devils Lake
Mr. G. A. Freeman, Bureau of Reclamation, Bismarck
Fred J. Fredrickson, Planning Coordinator, State Water Commission
Vernon S. Cooper, Assistant Secretary, State Water Commission
I. A. Acker, Special Assistant Attorney General for the State Water Commission

The meeting was called to order at 9:15 o'clock a.m. by Governor Norman Brunsdale with Commissioners Curtis Olson, Oscar Lunseth, Earle F. Tucker, Math Dahl, Secretary Milo W. Hoisveen, Assistant Secretary Vernon S. Cooper, I. A. Acker and Fred J. Fredrickson present.

Fred J. Fredrickson, Planning Coordinator for the State Water Conserva-

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tion Commission, presented a resolution requesting the U. S. Army Corps of Engineers to make a comprehensive survey of the Lake Alice-Lake Irvine area and recommending a plan of protection for this area to the Commissioners for approval.

It was moved by Commissioner Math Dahl and seconded by Commissioner Curtis Olson that the following resolution be adopted:

RESOLUTION

Requesting the U. S. Army Corps of Engineers to make a comprehensive survey of recurring flooding of, and flood damages caused by, Lac Aux Mortes (Lake Alice) operated as a National Wildlife Refuge, Lake Irvine, Mauvais Coulee, Dry Lake, Sweetwater Lake, and contributing watersheds and affected areas, in the counties of Ramsey, Benson, and Towner, in North Dakota, and recommending a plan or plans of protection therefrom with estimates of the cost thereof.

WHEREAS, recurring flooding of Lac Aux Mortes (Lake Alice) operated as a National Wildlife Refuge, Lake Irvine, Mauvais Coulee, Dry Lake, Sweetwater Lake, and contributing watersheds in the counties of Ramsey, Benson, and Towner, North Dakota, cause damages to property and great loss to residents in the affected areas; And

WHEREAS, a petition for the formation of a water conservation and flood control district, under applicable laws, embracing those areas has been filed with this Commission by the Board of County Commissioners of Ramsey County, aforesaid, and is now pending before the Commission; And

WHEREAS, sufficient information to determine the lands to be included within, or the boundaries of, such proposed district is not available to, or obtainable with State funds by, this Commission, and moreover, the cost of the necessary survey therefor is entirely beyond the means of this Commission or the State to undertake;

NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Conservation Commission, in regular meeting held in the City of Grand Forks, North Dakota, this 15th day of October, 1954, that the U. S. Army Corps of Engineers be and it is hereby requested to make a full and comprehensive survey of recurring flooding of, and flood damages caused by, the said Lac Aux Mortes (Lake Alice) operated as a National Wildlife Refuge, Lake Irvine, Mauvais Coulee, Dry Lake, Sweetwater Lake, and contributing watersheds and affected areas, in the counties of Ramsey, Benson and Towner, in North Dakota, and recommending a plan or plans of protection therefrom with estimates of the cost thereof, together with such other and further information, plans and recommendations as may appear to be appropriate in order to obtain protection or relief therefrom."

Upon roll call by Governor Brunsdale, Commissioners Curtis Olson, Oscar Lunseth, Earle F. Tucker, Math Dahl and Governor Brunsdale all voted aye. Motion carried.

The Sheyenne delegation, Mr. G. A. Freeman, U. S. Bureau of Reclamation, and Mr. R. L. Dushinske entered the meeting at 9:25 o'clock a.m.

Adolph Gross, Eddy County Agent, stated that the farmers in the vicinity

of Sheyenne were very anxious to establish a development farm in that area. Mr. Gross said that establishment of a farm in the Sheyenne vicinity would be very desirable because of the type of soil and the availability of power. The Sheyenne Sand and Gravel Company has agreed to give an easement for power for irrigation uses. Mr. Gross reported that Mr. Bruce Larson and his mother are willing to work out a reasonable lease on their farm for the establishment of a development farm. Approximately \$35,000 will be necessary to get such a farm going and Mr. Gross expressed the desire of the Sheyenne community for assistance from the State Water Conservation Commission to help establish this farm according to the plans drawn up by the Bureau of Reclamation.

Governor Brunsdale stated that the State Water Conservation Commission cannot give any funds to private individuals but that the Commission would offer any assistance they can other than direct financial aid.

Fred J. Fredrickson, Planning Coordinator for the State Water Conservation Commission, proposed that a resolution be drawn up calling for the Bureau of Reclamation to continue the policy of operating and maintaining development farms.

It was moved by Vice-Chairman Curtis Olson and seconded by Commissioner Oscar Lunseth that a resolution be drawn up calling for the Bureau of Reclamation to continue the policy of operating and maintaining development farms. Upon roll call by Governor Brunsdale, all Commissioners voted aye and the motion carried.

The meeting adjourned at 9:50 o'clock a.m.

Respectfully submitted,

Milo W. Hoisveen
Secretary

ATTEST:

Norman Brunsdale
Chairman

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF SEPTEMBER 30, 1954
 1953-1955 APPROPRIATIONS

Fund No.	Appropriation Title	Available July, 1953	Expended to August 31, 1954	Expended to September, 1954	Balance September 30, 1954
1.	Commissioners - Per Diem & Expense. . . .	\$ 6,000.00	\$ 2,397.36	\$ 271.42	\$ 3,331.22
2.	Administrations	40,000.00	21,703.20	2,237.52	16,213.02
	Collections and Refunds	153.74			
3.	Maintenance of Dams	100,000.00	57,673.47	14,052.20	38,684.10
	Refunds	10,431.77			
4.	International & Interstate-Commission's Conference Expenses	8,000.00	2,767.92	463.09	4,768.99
5.	Togographic & Conservation Cooperation with U.S.G.S.	30,000.00	17,500.00		12,500.00
6.	Hydrographic & Conservation Cooperation with U.S.G.S.	25,000.00	11,250.98		16,249.02
	Transfer from # 10.	2,500.00			
7.	Salary - State Engineer	6,000.00	3,500.00	250.00	2,250.00
9.	Engineering & Geological Survey & Demons- Transfer from 10# trations	35,000.00 3,500.00	18,252.26	875.94	19,371.80
10.	Cooperation with U.S. Departments & for Organizing Conservation & Irr. Districts. Less Transfers	50,000.00 6,000.00	18,846.48	2,264.70	22,898.64
11.	Small Projects. Other Invest., Surveys Etc. Collections and Refunds.	100,000.00 2,536.62	56,113.03	2,842.60	43,571.17
		<u>\$ 413,122.13</u>	<u>\$ 210,004.70</u>	<u>\$ 23,257.47</u>	<u>\$ 179,859.96</u>

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NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MONTHLY REPORT OF APPROPRIATIONS AS OF SEPTEMBER 30, 1954
1951 - 1953 APPROPRIATIONS

Fund Number	Appropriation Title	Available August, 1951	Expended to September, 1954	Balance September, 1954
1.	Commissioner-Per Diem & Expense	\$ 6,000.00	\$ 5,720.71	\$ 279.29
2.	Administrations	35,000.00	38,293.58	1,191.70
	Collections and Refunds	4,485.28		
3.	Maintenance of Dams	120,000.00	170,143.34	12,084.34
	Collections and Refunds	62,227.68		
4.	International & Interstate Commissions' & Conference Expense	14,000.00	7,517.59	6,482.41
5.	Topographic & Conservation Cooperation with U.S.G.S.	35,000.00	35,000.00	NIL
6.	Hydrographic Surveys, Cooperation with U.S.G.S.	25,000.00	25,000.00	NIL
7.	Salary - State Engineer	6,000.00	6,000.00	NIL
8.	Construction & Reconstruction Drains & Irrigation	90,000.00	60,347.17	29,652.83
9.	Engineering & Geological Surveys & Demonstrations Add: Transfer from # 10	35,000.00 3,500.00	38,500.00	NIL
10.	Cooperation with U.S. Department & for organizing Conservation & Irrigation Districts	65,000.00	60,028.99	1,471.01
	Less Transfer # 9	3,500.00		
11.	Small Projects, Other Invest. Surveys, Etc.	150,000.00	104,992.25	45,007.75
		<u>\$ 647,712.96</u>	<u>\$ 551,543.63</u>	<u>\$96,169.33</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATION AS OF SEPTEMBER 30, 1954
 CONSTRUCTION & RECONSTRUCTION DRAIN OR IRRIGATION
 1953 - 1957

Appropriation Title	Available July 1, 1954	Expenditures To Sept., 1954	Balance Sept. 30, 1954
Construction and Reconstruction Drains or Irrigation	\$140,000.00	11,722.36	\$128,277.64
	<u>140,000.00</u>	<u>11,722.36</u>	<u>128,277.64</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATION AS OF SEPTEMBER 30, 1954
 CONSTRUCTION BOND GUARANTY FUND (CONTINUING APPROPRIATION)

Appropriation Title	Balance July 1, 1953	Expended	Balance September 30, 1954
Construction Bond Guaranty Fund	\$70,541.00	NIL	\$70,541.00
	<u>70,541.00</u>	<u>NIL</u>	<u>70,541.00</u>

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NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 DEPOSITS IN THE BANK OF NORTH DAKOTA
 SEPTEMBER 30, 1954

Source of Deposits	Transit Number	Amount Deposited	Expended To Sept. 30, 1954	Balance September 30, 1954
Collections on Yellowstone Pumping Irrigation District \$3,500.00 warrant. Tax Collections for partial payment of interest and principal to April, 1953				
	501-118	\$1,875.28		\$1,875.28
Contributions for Groundwater Surveys:				
Fessenden		\$1,000.00		
Mountain		100.00		
Maddock		750.00		
Lakota		1,000.00		
Rolla		750.00		
Devils Lake		7,500.00		
Aneta		1,000.00		
Litchville		1,000.00		
Wyndmere		1,000.00		
Portland		700.00		
Kindred		1,000.00		
Mylo		250.00		
Neche		300.00		
Transfer		.10		
St. John		750.00		
Hankinson		1,000.00		
Grafton		\$ 500.00		
Hunter		750.00		
Tioga		1,000.00		
Mohall		1,000.00		
Richardton		750.00		
Bowbells		1,000.00		
Michigan		580.00		
Wimbledon		1,000.00		
Fairmount		1,000.00		
Hope		1,000.00		
Sharon		250.00		
Stanley		1,500.00		
Upham		750.00		
Minnewaukan		1,000.00		
Streeter		1,000.00		
Powers Lake		250.00		
	501-128	\$32,680.60	20,726.13	\$ 11,954.47
Booklet	501-127	2,887.57	1,488.32	1,399.25
Lewis & Clark Irrig. Dist. Drainage Fund	501-121	2,806.92	2,786.40	20.52
				<u>\$ 15,249.52</u>

TOTAL OF ALL BANK OF NORTH DAKOTA DEPOSITS AS OF SEPTEMBER 30, 1954

VSC:lc

PAYROLL OF
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
SEPTEMBER, 1954

(Permanent Employees)

Name	Position	Pay Grade	Salary Sept.	With. Tax	N.D. Oasis	Hosp. Ins.	Savings Bond	Net Pay	Remarks
Holsveen, Milo	State Engr.-Sec'y & Ch. Engr.	K-4	617.67	81.60		9.65		526.42	Increased Aug. 1, 1954
Acker, Iver A.	Spec. Ass't Atty Gen.	F-10	402.17	43.80		9.65		348.72	Adjusted Aug. 1, 1954
Anderson, Albin S.	Field Engr.	F-5	354.67	54.10	4.80	4.15		291.62	Adjusted Aug. 1, 1954
Berge, Einar	Tech Ass't	A-1	150.00		2.25	9.65		138.10	Adjusted Aug. 1, 1954
Clark, Lorraine	Bookkeeper	B-3	176.67	22.00	2.65	9.65		142.37	Started Aug. 30, 1954
Cooper, Vernon S.	Ass't Sec'y	J-5	578.67	62.60		9.65		506.42	Increased Aug. 1, 1954
Duppong, Esther	Clerk-Typist	B-5	186.67	23.50	2.80	4.15	18.75	137.47	Increased Aug. 1, 1954
Frederickson, Fred	Planning Coordinator		252.00		3.78			248.22	Increased Aug. 1, 1954
Hughes, Lynda	File Clerk	B-2	108.68	13.50	1.63	4.15	18.75	70.65	Working only half days
Johnson, Lloyd	Constr. Foreman	F-2	326.17	28.30	4.89	9.65		283.33	Adjusted Aug. 1, 1954
Kugler, Karl	Rodman	A-1	171.67	20.60	2.58			148.49	Increased Sept. 1, 1954
Kounts, Stanley	Constr. Engr.	G-5	410.67	43.80	6.16	9.65		351.06	Adjusted Aug. 1, 1954
Mees, La Dorana V.	Draftsman	D-1	67.50	10.00	1.01			56.49	Working only half days
Myers, Thomas	Draftsman	D-1	142.50	6.35	2.14			134.01	Working only half days
Nordstrom, Franz	Equip. Foreman	F-2	326.17	18.30	4.89			302.98	Adjusted Aug. 1, 1954
Pederson, Marlene	Chief Steno	D-1	225.00	30.70	3.38	4.15		186.77	Increased Aug. 1, 1954
Putz, Roy	Rodman	A-4	163.50	19.20		4.15		140.15	Increased Aug. 1, 1954
Radspinner, Art	Instrumentman	F-1	316.67		4.75			311.92	Adjusted Aug. 1, 1954
Sheldon, Marvin	Office Engr.	G-5	410.67	33.80		9.65		367.22	Increased Aug. 1, 1954
Smith, Eugene	Rodman	A-1	120.00	13.60	1.80			104.60	Started Sept. 7, 1954
Tyson, Roy	Constr. Engr.	F-10	402.17	53.80		9.65		338.72	Adjusted Aug. 1, 1954
Wolf, Michael	Rodman	A-1	150.00	17.00	2.25			130.75	Started Aug. 30, 1954

(Temporary Employees)

Olson, John	Rodman	A-1	60.00	6.00	.90			53.10	Quit Sept. 9, 1954
Olson, Arthur	Instrumentman	D-1	75.00	10.20	1.13			63.67	Quit Sept. 10, 1954
Iorvik, Duane	Const. Engr.	F-5	189.12	22.80	2.84			163.48	Quit Sept. 16, 1954
Walz, Robert	Rodman	A-1	20.00	2.10	.30			17.60	Quit Sept. 4, 1954