

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
 MONTHLY REPORT OF APPROPRIATIONS AS OF DECEMBER 31, 1960  
 1959 - 1961 APPROPRIATIONS

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	DEC'60	UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PER DIEM & EXPENSES	6,000.00	.00	4,478.78	.00	1,521.22	387.81	1,133.41
2. ADMINISTRATION	49,200.00	523.58	55,561.04	1,775.71	16,162.54	3,142.38	13,020.16
3. MAINTENANCE OF DAMS	115,000.00	120,958.37	200,945.62	6,035.86	27,012.75	11,812.64	15,200.11
4. INT'L & INTERSTATE EXP	10,000.00	.00	5,442.43	1,005.23	4,557.57	337.45	4,220.12
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	23,644.36	.00	6,355.64	6,355.64	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	900.00	20,594.34	.00	7,805.16	7,805.16	.00
7. ENGR & GEOL SURVEYS, USGS	57,500.00	.00	54,175.56	946.95	23,324.44	21,136.93	2,187.51
8. COOP WITH U. S. DEPT, ETC	57,000.00	.00	37,709.04	2,435.12	19,290.96	6,509.12	12,781.84
9. ENGR INVESTIGATIONS, ETC	130,000.00	.00	101,023.39	5,075.92	36,976.61	2,177.47	34,799.14
10. ADM OF WATER LAWS	6,000.00	.00	1,340.15	.00	4,659.35	.00	4,659.35
11. OASIS CONTRIBUTIONS	6,500.00	2,957.83	5,845.45	.00	3,612.38	393.60	2,718.78
20. MULTIPLE PURPOSE	200,000.00						
"CAR FWD"	170,751.98	10,374.19	107,116.75	14,959.33	210,009.42	205,616.15	4,393.27
21. CONST BOND GUAR	77,056.64	3,422.40	.00	.00	80,479.04	.00	80,479.04
	<u>958,508.62</u>	<u>147,136.37</u>	<u>653,877.41</u>	<u>32,234.62</u>	<u>441,767.53</u>	<u>266,174.35</u>	<u>175,593.23</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
 MONTHLY REPORT OF APPROPRIATIONS AS OF DEC 31 1960  
 1957-1959 APPROPRIATIONS

FUND	AVAILABLE FUNDS		DISBURSEMENTS TO DATE	FUND BALANCES		
	APPROPRIATION	RECEIPTS		UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PER DIEM & EXP	6,000.00	.00	6,000.00 #	.00	.00	.00
2. ADMINISTRATION	47,000.00	2,797.33 &	49,579.27	.00	218.06	.00
3. MAINTENANCE OF DAMS	105,000.00	101,910.58	206,910.58	.00	.00	.00
4. INT'L & INTERSTATE EXP	8,000.00	14.85	7,997.33	.00	17.52	.00
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	30,000.00	.00	.00	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	.00	27,500.00	.00	.00	.00
7. ENGR & GEOL SURVEYS, USGS	37,500.00	5,306.81	42,806.81	.00	.00	.00
8. COOP WITH U. S. DEPT, ETC	50,000.00	10.00	50,004.93	.00	5.07	.00
9. SMALL PROJECTS, ETC	113,000.00	2,374.98	120,374.98 @	.00	.00	.00
10. ADM OF WATER LAWS	6,000.00	.00	6,000.00	.00	.00	.00
11. OASIS CONTRIBUTIONS	3,800.00	4,541.24 %	8,341.24	.00	.00	.00
	<u>438,900.00</u>	<u>116,955.79</u>	<u>555,515.14</u>	<u>.00</u>	<u>240.65</u>	<u>.00</u>
					<u>240.65</u>	<u>240.65</u>

# INCL TRANSFER TO FUND #2 -\$523.62

@ INCL TRANSFER TO FUND #2 -\$97.57

& INCL TRANSFER FROM FUND #1-\$523.62 & FUND #9-\$97.57

% TRANSFER FROM EMERGENCY COMM -\$4,541.24

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
PAYROLL - DECEMBER 31, 1960

PERMANENT EMPLOYEES

NAME	POSITION	PAY GRADE	REMARKS	SALARY DEC' 60	WITH. TAX	SOC. SEC.	HOSP. INS	BONDS ETC	NET PAY
HOISVEEN, MILO W.	STATE ENGR	0-8	INC JUL' 60	927.67	139.20		17.20	18.75	752.52
BAESLER, GORDON	DRAFTSMAN	F-6	INC JUL' 60	364.17	45.50	10.93			307.74
COOPER, VERNON S.	ASST SECY	1/2M-6	INC JUL' 60	383.84	71.00	11.52	17.20		284.12
EMTER, JEANNE	TYPIST	B-7	INC DEC' 60	196.67	25.60	5.90	17.20		147.97
FREDRICKSON, FRED	COORDINATOR	G-4	INC JUL' 60	399.67	41.30	11.99			346.38
GEHRING, EDNA	FILE CLERK	C-7	INC JUL' 60	226.17	40.70	6.79	7.05		171.63
GRINDBERG, ALAN	ENGINEER	I-6	INC JUL' 60	536.67	105.40		7.05		424.22
HILAND, LEONE	CH STENO	F-6	INC JUL' 60	364.17	45.50	10.93	7.05		300.69
KAMONI, AHMED	DRILLER	F-2	PER AUG' 60	326.17	28.30	9.79	17.20		270.88
KNUTSON, LEWIS	DRILLER	F-5	PER OCT' 60	354.67	54.10	10.64			289.93
NELSON, C. P.	ENGINEER	K-2	INC JUL' 60	583.67	76.20				507.47
PUTZ, ROY	OFF ASST	A-10	INC JUL' 60	189.50	14.20	5.69	7.05		162.56
REITER, DANIEL	FOREMAN	H-1	INC APR' 60	416.67	33.30	8.66	17.20	18.75	338.26
SACKMAN, EUGENE	INST MAN	G-1	INC MAY' 60	366.67	15.60	11.00	17.20		322.87
SANDWICK, HAZEN	ENGINEER	K-7	INC JUL' 60	668.67	68.80		17.20	37.50	545.17
SCHULZ, JIM	ACCT	G-2	INC JUL' 60	377.67	38.40	11.33		20.00	307.94
SCHWINKENDORF, DON	INST MAN	E-6	INC AUG' 60	306.67	45.40	9.20			252.07
TIMM, ROBERT J.	ASST ST ENG	K-9	INC JUL' 60	702.67	76.00		17.20		609.47
WALTERSON, HOWARD	FOREMAN	H-1	INC APR' 60	416.67	53.80	8.66	17.20		337.01
WALTERSON, JEAN	DRAFTSMAN	D-5	INC JUL' 60	252.00	25.40	7.56			219.04
ZIEGLER, VICTOR	ENGINEER	J-7	INC JUL' 60	609.67	91.60		17.20	25.00	475.87
"HOURLY EMPLOYEES"									
BURKHARDSMETER, A.	OPERATOR	2.05	RES NOV' 60	348.50	57.05	6.43			285.02
HIGHLEY, ERNEST	ASST DRILLER	1.85	RES DEC' 60	356.13	52.90	10.68			292.55
JOHNSON, GEORGE	OPERATOR	1.95	RES NOV' 60	169.65	27.20	5.09			137.36
KNUTSON, LANNY	ASST DRILLER	1.75	RES DEC' 60	312.38	47.40	9.37			255.61
LAUINGER, ANTON	OPERATOR	2.00	INC AUG' 60	549.00	88.60	5.83			454.57
VOELLER, PIUS	OPERATOR	1.85	RES NOV' 60	329.30		9.88			319.42
				11,035.36	1,408.95	187.87	200.20	120.00	9,118.34

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

FUND	AVAILABLE FUNDS		DISBURSEMENTS TO DATE	FUND BALANCES			
	APPROPRIATION	RECEIPTS		JAN' 61	UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PER DIEM & EXPENSES	6,000.00	.00	4,492.78	14.00	1,507.22	.00	1,507.22
2. ADMINISTRATION	49,200.00	562.33	37,945.93	4,384.94	11,816.35	227.12	11,589.73
3. MAINTENANCE OF DAMS	115,000.00	120,393.30	220,372.18	11,426.56	15,021.62	3,007.78	12,013.84
4. INT'L & INTERSTATE EXP	10,000.00	.00	5,831.69	389.26	4,168.31	535.00	3,633.31
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	28,102.31	4,458.45	1,897.19	1,897.19	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	900.00	20,594.34	.00	7,305.16	7,305.16	.00
7. ENGR & GEOL SURVEYS, USGS	57,500.00	.00	55,318.54	1,142.98	22,181.46	19,993.95	2,187.51
8. COOP WITH U. S. DEPT, ETC	57,000.00	.00	41,757.71	4,048.67	15,242.29	4,081.00	11,161.29
9. ENGINEERING INVESTIGATIONS	133,000.00	.00	104,906.65	5,883.26	31,093.35	1,230.00	29,863.35
10. ADM OF WATER LAWS	6,000.00	.00	1,340.15	.00	4,659.35	58.91	4,600.94
11. OASIS CONTRIBUTIONS	6,500.00	2,957.33	6,739.05	893.60	2,718.78	350.00	2,368.78
20. MULTIPLE PURPOSE	200,000.00						
"CAR FWD"	178,751.98	23,374.19	156,638.87	9,522.12	205,487.30	200,721.12	4,766.18
21. CONST BOND GUAR "CAR FWD"	77,056.64	3,422.40	.00	.00	80,479.04	.00	80,479.04
	<u>959,508.62</u>	<u>151,611.05</u>	<u>706,041.25</u>	<u>42,163.34</u>	<u>404,078.42</u>	<u>239,907.23</u>	<u>164,171.19</u>

STATE WATER CONSERVATION COMMISSION  
MINUTES OF MEETING  
Held in Office of State Water Commission  
Bismarck, North Dakota  
February 1, 1961

*no page 5  
in original*

The regular meeting of the North Dakota State Water Conservation Commission was called to order on February 1, 1961 at 9:30 a.m. in the office of the Commission, State Capitol Building, Bismarck, North Dakota, to consider routine business matters. The following Commission members were present:

MEMBERS OF STATE WATER COMMISSION:

Governor William L. Guy, Chairman  
Oscar Lunseth, Member from Grand Forks  
Einar Dahl, Member from Watford City  
A. R. Weinhandl, Member from Minot  
Math Dahl, Commissioner of Agriculture & Labor, Bismarck  
Milo W. Hoisveen, Secretary and Chief Engineer, State Engineer

OTHERS PRESENT:

Oscar Berg, Executive Secretary, N. D. Water Users, Minot  
Edward Bradley, State Geologist, U. S. Geological Survey, Grand Forks  
Fred Hagen, Fargo  
Hank Hendrickson, Fargo  
Erwin Schultz, Fargo

The meeting was called to order by the temporary chairman, Oscar Lunseth, after having been duly appointed by the commission members, with the following members present: Einar Dahl, A.R. Weinhandl, Math Dahl, and Secretary Hoisveen.

**APPROVAL OF MINUTES**            It was moved by Commissioner Weinhandl that the reading of the minutes for the December meetings be dispensed with and that the minutes be approved. The motion was seconded by Commissioner Math Dahl, Upon vote all commissioners voted aye. Motion carried.

**RESOLUTION - EXTENDING TIME FOR LITTLE MISSOURI RIVER COMPACT**            Secretary Hoisveen advised that the time for completing the Little Missouri Compact will expire on August 28, 1961. Progress in the negotiations being carried on with the states of South Dakota, Wyoming and Montana have been rather difficult in view of the small amount of basic flow data existing on that stream. The U. S. Geological Survey Hydrographic Branch was presently accumulating the data and it would be required to extend the time for completing the negotiations for at least a four year period. Senators Young and Burdick requested that the Commission present a resolution for this particular purpose so it could be used in requesting the extension of time. A Senate Concurrent Resolution has been presented to the North Dakota State Legislature and indications are that it would have little or no difficulty passing. Should the compact be completed in accordance with the extension it will then be necessary for the interested states to ratify it. South Dakota, at present, is the benefactor and has not

been particularly interested in a stream allocation. It was moved by Commissioner Einar Dahl and seconded by Commissioner Math Dahl that the following resolution be adopted. All commission members approved the resolution.

#### EXTENSION OF THE LITTLE MISSOURI RIVER COMPACT

WHEREAS, the Legislative Assembly and the Water Conservation Commission of the State of North Dakota vigorously supported the enactment of Public Law 85-184, approved August 28, 1957, "Granting the consent of Congress to the states of Montana, North Dakota, South Dakota and Wyoming, to negotiate and enter into a compact relating to their interest in, and the apportionment of, the waters of the Little Missouri River and its tributaries as they affect such states, and for related purposes"; and

WHEREAS, the compact commissioners appointed by the governors of their respective states have met with the Federal representative on the Compact Commission, Major General John S. Seybold, on several occasions and have ascertained tentative requirements for properly deciding upon allocations of water of the Little Missouri River among the several states; and

WHEREAS, under the provisions of this Act of Congress authorizing compact negotiations, the authority granted thereunder will expire on the 28th day of August, 1961; and

WHEREAS, it has been found that the additional data relating to the basic flow of the Little Missouri River and its tributaries will be required before an equitable apportionment of waters thereof can be agreed upon.

NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Conservation Commission in meeting assembled this 1st day of February, 1961,

That Congress be and is requested to extend the time for completing negotiations and arriving at an agreement for apportionment of the waters of the Little Missouri River and its tributaries among the several states to August, 1966.

BE IT FURTHER RESOLVED that copies of this resolution be mailed to our Senators and Representatives in Congress.

SOUTHWEST NORTH DAKOTA DEVELOPMENT DISTRICT Secretary Hoisveen stated that on January 11 he addressed the County Commissioners Association in Dickinson. Following the talk, he was requested by members of the Farm Bureau to appear at a meeting at which the Southwest Development District would be discussed. Several of the Farm Bureau members appeared to be in opposition to the establishment of the Development District. The right of eminent domain, which is included in the powers of the district, seemed to come in for the greatest share of opposition. The group passed a resolution requesting the Natural Resources Committees of the House and Senate to withhold consideration of this bill at this time. Contacts were then made with Mr. Raymond Schnell, chairman of the Southwest District Study group, and Ralph Beede, secretary of the group, as to their desires regarding the withdrawal of the bill. Both members indicated a desire to hold

the bill from presentation at this time. It was believed that the next two year period could be used in informing the public as to the desirability of creating the district. The Farm Bureau, at the Dickinson meeting, indicated its desire to carry on an informational program regarding the creation of the Southwest District. It was moved by Commissioner Math Dahl and seconded by Commissioner Weinhandl that no action on the creation of the Southwest North Dakota Development District be taken at this time. Upon vote all commissioners voted aye. Motion carried.

**BILLINGS COUNTY RESOLUTION  
SOUTHWEST NORTH DAKOTA  
DEVELOPMENT DISTRICT**

A resolution was also presented to the Commission by the Billings County Board of Commissioners opposing the creation of a Southwest North Dakota Development District. This resolution is

**Appendix A.**

**LEGISLATION PRESENTED TO  
THE STATE LEGISLATURE-1961**

A hearing was held on Senate Bill No. 22, which covers the regular appropriation for the State Water Conservation Commission. Secretary

Hoisveen indicated that he had appeared before the Appropriation Committee and the Commission was given a very courteous hearing. The appropriation as set forth by the Budget Board is approximately \$68,000 more than the appropriation of two years ago. Secretary Hoisveen also stated that Senate Bill 130 had been introduced which would permit the state water conservation commission to receive funds from local entities for use in connection with water surveys, such as conducted with the Ground Water Branch of the U. S. Geological Survey and the State Water Commission. The funds obtained from local communities are deposited in the General Fund. This situation resulted from the passage of the Jack Pot law two years ago. Prior to that time local legal entities contributed money to ground water surveys which in turn were used as a matching fund with the U. S. Geological Survey. In the event Senate Bill 130 receives approval it will provide the State Water Conservation Commission an opportunity to increase the ground water survey program to the extent of ten to twelve thousand dollars a year. The Commission was also advised that the dam construction and repair fund was increased from \$115,000 to \$150,000.

**RESOLUTIONS -N.D.  
IRRIGATION DISTRICT  
ASSOCIATION**

Two resolutions were received from Mr. Alvin Kramer, Secretary of the North Dakota Irrigation /Directors Association which were adopted by that Association at its annual convention held in

Jamestown on November 3, 1960. Resolution 1 pertains to the continued cooperation of the North Dakota State Water Conservation Commission in matters pertaining to operation of irrigation districts. Resolution 2 pertains to the Legislative Research study concerning North Dakota water laws. These resolutions are Appendices B and C. It was the consensus of the Commission members that any study made of the water laws by the Legislative Research Committee should be in conjunction with the members of the State Water Conservation Commission staff, who would have knowledge of the water laws and the affect any new law might have on the water resources of North Dakota.

Governor Guy entered the meeting and presided.

**FINANCIAL STATEMENTS FOR  
DECEMBER 1960 AND JANUARY  
1961**

The financial statements were reviewed in detail. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that

the financial statements for December 1960 and January 1961 be approved. All

Commissioners voted yes. Motion carried.

**CASS COUNTY DRAIN**

Letters were read which indicated the desire of the Cass County Drain Board and the Board of County Commissioners to examine and survey certain sites where severe erosion had occurred with the thought of installing drop structures to prevent such erosion in the future. One problem occurred between sections 14 and 23, township 143, range 49 near the confluence of Cass County drains 31, 18, 19 and 32. The drain board also requested a survey be made of the outlet of drain 29. A considerable amount of erosion was occurring in this area. The drain board desired that a cost estimate be prepared in connection with the drop structure. It was moved by Commissioner Lunseth and seconded by Commissioner Weinhandl that the State Water Conservation Commission participate in the investigation of the need for such drop structures and prepare the cost estimate for use in connection with the installations. It was agreed that the total cost of such survey should not exceed the sum of \$800. On roll call all commissioners voted aye. Motion carried.

**RESOLUTION - CITY OF  
BELFIELD REQUESTING  
FURTHER CONSIDERATION  
OF PROPOSED GREEN RIVER  
DAM**

A letter, together with copies of resolution were received in the office of the State Water Commission from the Belfield City Commissioners concerning the need for water supply for that city. The resolution is referred to in these minutes as Appendix D. It was indicated that the city of Belfield would obtain a municipal water supply through the use of waters that might be impounded in the proposed Green River dam. The city of Dickinson has also expressed interest in the Green River structure.

**STUTSMAN COUNTY GROUND  
WATER SURVEY REPORT**

Mr. Edward Bradley, District Geologist with the Ground Water Branch of the U. S. Geological Survey at Grand Forks, appeared before the Commission to discuss the ground water survey made in cooperation with the State Water Conservation Commission covering Stutsman County. Prior to the Stutsman County presentation, Mr. Bradley informed the Commission that the direct contribution made by the North Dakota State Water Conservation Commission amounted to 12% of the total. He indicated that in many of the other states contributions in money approximated 50%. The State Water Conservation Commission does, on the other hand, have a well trained drill crew, drill equipment and other methods of making up the remaining 38%. He inferred that the state must include money as well as help if matching funds are to be assured. Mr. Bradley stated he had recently asked for an increase for the present fiscal year for matching funds and had been turned down in view of the method the state uses in financing its share of the ground water investigation. He stated that the U.S. Geological Survey also receives cooperation from the State Laboratory which makes analysis of water samples. Water analysis is, of course, a substantial part of the study. The State Laboratory is used as it can do the work much cheaper than if it were sent elsewhere. Mr. Bradley exhibited five maps which he used in explaining the characteristics of the topography of the Stutsman County area. Mr. Bradley stated he felt the investigation program for ground water in North Dakota should be stepped up. There was a discussion on how to make the survey reports available to the landowners so they would have knowledge of what the underground water potential was under their land. It was suggested that possibly a stamp could be prepared and a notification could be made by the county auditor by stamping tax notices with

this information. This suggestion appeared to have considerable merit.

**SHEYENNE TO RED RIVER  
DIVERSION**

Mr. Fred Hagen, member of the Fargo City Council, Mr. Henry Hendrickson and Mr. Erwin Schultz of Fargo, appeared before the commission relative to the possibility of diverting water from the Sheyenne River into the Red River of the North above the city of Fargo. Mr. Hagen reviewed the history of the Sheyenne River diversion project with special emphasis on what the city of Fargo had done in the way of raising money for the construction of the Baldhill Dam and reservoir. He stated that the plans for the diversion had been placed in the hands of the State Engineer last fall. He requested that the crews of the State Water Conservation Commission be authorized to construct the diversion weir from which the water would be diverted into a conduit and eventually into an open ditch and thence into a coulee and the Red River. Mr. Hoisveen indicated that a considerable loss of water would result in such a diversion. He averred that this was not a prudent use of water as it was quite possible that at least thirty to fifty per cent of the water would be lost in transporting it through an open ditch. He contended that if a value was placed on the water, such as the case in Dickinson where that city purchases the water from the Bureau of Reclamation at a cost of \$21 per acre-foot, the water loss would amount to between one hundred thousand and one hundred fifty thousand dollars per year. Secretary Hoisveen indicated that the office engineer was working on the design. As a result the cost of the structure could be reduced considerably from the way the structure was designed by the Black and Veatch consulting firm of Kansas City. The subject of water loss was again reviewed. The Commission appeared to favor the idea that at such a time the water shortage should exist the city of Fargo should use a closed conduit to eliminate excessive losses. Mr. Hagen read a letter from the Black and Veatch firm indicating their desire to cooperate with the State Water Conservation Commission in further studies regarding the diversion of water into the Red River. Secretary Hoisveen indicated that there may be more desirable dam sites than the one selected by the Black and Veatch firm. He implied that this might be further upstream and such a site would reduce the amount of open ditch required to get the water transferred to the Red River. The Commission authorized further investigation of the dam site.

The meeting recessed at 12 o'clock. It reconvened at 1:30 p. m. with all members present. The Fargo delegation was also present and submitted a resolution, which along with the letter from Black and Veatch consulting firm comprise Appendices E and F. Mr. Hagen expressed a desire that the city of Fargo wanted the State Water Commission to evaluate the construction cost for open ditch as compared to a conduit line of transporting the water to Fargo. He also stated they had much interest in the proposal made by the State Water Commission relative to recharging the ground water aquifer that may exist throughout that area. The State Water Conservation Commission had previously proposed that a survey be made in cooperation with the various interested local entities, the U. S. Geological Survey in an effort to determine the feasibility of this proposal. The proposal would call for the injection of water from the Sheyenne River into the aquifer with the possibility of placing a hydraulic head on the water sufficient to force it into the city of Fargo. Such a survey would require a considerable amount of drilling in order to ascertain the limits of the aquifer. The city of Southwest Fargo is presently obtaining its municipal water supply from this zone. They are currently reducing the quantity of water through this use, and are also much interested in the

recharge possibility. Mr. Hagen implied that the city of Fargo would possibly make a contribution amounting to \$10,000 toward such a survey. The Fargo delegation then left the office of the state water conservation commission to provide the commission members an opportunity to evaluate its participation in the diversion survey. It was moved by Commissioner Lunseth and seconded by Commissioner Math Dahl that the State Water Conservation Commission participate in the survey and cost study for the diversion and the weir to the extent of \$1,500. All members voted yes. Motion carried.

**GOOSE RIVER SURVEY  
REQUEST**

Correspondence was read relative to requests made by Mayor Dornacher of Mayville, the city of Hillsboro and the Board of County Commissioners for Traill County regarding the surveys on the Goose River for the purpose of impounding water. The resolutions are appendices G, H, and I and all refer to such a survey. It was pointed out that the Corps of Engineers made a survey in the Goose River area immediately following World War II. The Corps, upon completion of its survey, made a negative report in 1948. Mr. Hoisveen indicated that he had prepared letters and requests to Senators Young and Burdick pertaining to the local desires. Senator Young informed the secretary that he desired to study the matter very carefully as there had been considerable opposition to the original Goose River project. An expression had been made on a local level that the State Water Conservation Commission should make a survey relative to the installation of two or three smaller dams which might impound a sufficient quantity of water to meet the needs of Northwood, Hatton as well as the cities of Mayville and Hillsboro. He stated he had requested and received from the Corps of Engineers the topography which they used in connection with their investigation. He further indicated that the foundation studies and detailed site surveys along with design and cost estimates would approximate a cost of \$6000. It was moved by Commissioner Einar Dahl and seconded by Commissioner Lunseth that the State Water Commission participate in the cost of the survey on the Goose River on a non-matching basis. Upon vote all commission members voted yes. Motion carried.

**CITY OF DRAYTON REQUEST  
FOR DAM SURVEY AND  
EVALUATION**

A resolution was received in the office of the State Water Conservation Commission from the city of Drayton, which is Appendix J of these minutes. The city of Drayton requested permission to construct a low level dam which would be made from steel structural piling and broken concrete blocks across the Red River of the North adjacent to that city. They requested the State Water Conservation Commission to assist them in providing surveys, engineering and eventual construction cost. The dam would be utilized in raising the water on the Red River sufficient to create an impoundment which could be used in attracting industry to that area. The city of Drayton is located in an ideal position on the Red River of the North to have an excellent flow of water available to it. Secretary Hoisveen stated that he had conferred with the city officials on December 30, 1960 and he believed the project had considerable merit. He stated the city officials desired to work closely with the commission in this project. He estimated that the cost of the engineering and survey work needed at this time would approximate \$1000. It was moved by Commissioner Math Dahl and seconded by Commissioner Weinhandl that the secretary be authorized to expend an amount not in excess of \$1000 for surveying the proposed dam site for the city of Drayton. All commissioners voted aye. Motion carried.

**CITY OF GRAFTON REQUEST  
FOR SURVEY IN CONNECTION  
WITH OBTAINING WATER  
FROM THE RED RIVER**

A copy of a resolution which had been presented to the Legislative Assembly was received in the office of the State Water Conservation Commission from the city of Grafton. The resolution is attached to the minutes and referred to as

Appendix K. Secretary Hoisveen stated that he and Commissioner Lunseth met with officials from the city of Grafton and discussed this matter on December 30, 1960. The city of Grafton like Drayton and numerous other Red River valley towns is anxious to obtain a better factory in that area. A proposal has been made whereby a series of low head dams would be installed in the Park River. These dams would be equipped with low pumps whereby water from the Red River of the North could be pumped into the dams and relayed back to Grafton, some twelve miles distant. Four or five dams in the Park River would be required to accomplish this objective. The city of Grafton has requested the Commission to study the feasibility of this proposal over the use of a twelve mile pipeline. Approximately 250 feet of pumping head would be required in a pipeline as compared to 50 feet in the low head dam proposal. It was moved by Commissioner Math Dahl and seconded by Commissioner Lunseth that the Commission allow up to \$7,000 for a survey and design relative to constructing such a proposal. All commission members voted yes. Motion carried.

**NEW SALEM FISH & WILDLIFE  
ASSOCIATION REQUEST FOR  
ADDITIONAL SURVEYS FOR A  
DAM ON SWEET BRIAR CREEK**

The New Salem Fish and Wildlife Association has requested the State Water Conservation Commission by resolution to make another dam site survey on Sweetbriar Creek relative to locating a suitable dam site on that stream. The Association, as

well as one of the Morton County Commissioners, indicated that a more desirable site may be available on Sweetbriar Creek in the lower reaches of that stream. Two previous surveys made by the Commission on Sweetbriar Creek have failed to locate a dam site possessing suitable foundation material. It was moved by Commissioner Lunseth and seconded by Commissioner Math Dahl that the State Water Conservation Commission participate in a foundation study in an amount not to exceed \$200 at the location proposed by the Fish and Wildlife Association. All Commission members voted to support the motion.

**BOWBELLS LION'S CLUB SURVEY  
REQUEST FOR A DAM SITE  
ABOVE THAT CITY**

A request was received in the office of the State Water Conservation Commission from the Lion's Club of Bowbells requesting that the State Water Conservation Commission, in cooperation with the

Burke County Water Conservation and Flood Control District, make a survey to determine the most feasible location for constructing a dam north of that city. It was moved by Commissioner Math Dahl and seconded by Commissioner Lunseth that the commission members approve the request and that a survey be made in an amount not to exceed \$1500. On vote all commission members voted yes. The motion was carried.

**CITY OF GLENBURN REQUEST FOR  
GROUND WATER SURVEY**

The City of Glenburn has initiated a request that the State Water Conservation Commission make a preliminary survey relative to finding

an adequate municipal water supply for their city. The city is now obtaining water from a well which has limited capacity. It is their opinion that a possibility exists whereby a dam or an underground cutoff could be installed in a coulee near that town and a sufficient supply of water would result from

structure for their municipal water supply. It was moved by Commissioner Lunseth and seconded by Commissioner Weinhandl that \$1500 be allowed for a survey to assist the City of Glenburn in the coulee proposal. All members voted aye and the motion was adopted.

**DICKEY COUNTY WATER  
CONSERVATION & FLOOD  
CONTROL DISTRICT**

The Board of County Commissioners of Dickey County has requested the State Water Conservation Commission to hold a hearing or hearings relative to the establishment of a flood control district commensurate with the boundaries of the county. Hearings were held in Oakes and Ellendale on January 30, 1961. The Ellendale hearing was well attended. Approximately 182 people were present and all but four favored the creation of a flood control district. The attendance at Oakes was rather light. Some 27 people were present and 17 persons located in the irrigation district opposed being included in the flood control district. Secretary Hoisveen recommended that action on the creation of the flood control district by the State Water Conservation Commission be deferred until the next meeting. This proposal was made in view of determining the boundaries which would permit the exclusion of the irrigation district from the flood control district.

**INTERNATIONAL SOURIS RIVER  
BOARD OF CONTROL MEETING  
AT ESTEVAN, January 17, 1961**

Secretary Hoisveen reported that he represented the United States at a meeting of the Souris River Board of Control held in Estevan on January 17, 1961. A favorable report has been prepared and agreed upon for submission to the International Joint Commission which will hold its meeting in Washington, D. C. during the first week in April. He stated that the normal flow in the Souris River approximated 126,000 acre-feet during the past season. The Canadians have diverted 35,000 acre-feet which permitted the storage of an additional 28,000 acre-feet in Lake Darling. The Canadians have the right to divert one-half the normal flow that originates in Canada. Boundary Dam, which was constructed three years ago near the city of Estevan has been filled almost to spillway capacity.

**BIDS- PICKUP TRUCK**

The bids for the pickup truck were presented to the Commission for its consideration. After the matter had been discussed and the various bids evaluated, Commissioner Lunseth moved that the Commission accept the low bid made by the Universal Motor Co. of Bismarck. Commissioner Math Dahl seconded the motion, which was adopted unanimously.

**PAN AMERICAN PETROLEUM  
CO. W. R. #836**

The Pan American Petroleum Company applied for a water right to be used in conjunction with unitizing Rival Field near Lignite, North Dakota. As a result of studies made by the State Water Conservation Commission severe restrictions were imposed on the company as to where they might obtain their water supply for use in connection with the unitization process. One restriction stated that tests must be made in any zone in which they desired to obtain water. The company made an effort to run a pump test on an aquifer between 400 and 500 feet below the surface. This test revealed a rather limited supply of water was available in that zone. On January 31, 1961 the State Engineer informed the Pan American Petroleum Company by registered mail that it was to discontinue any further pump tests in that zone. The letter also stated that no further efforts

should be made to obtain water in any zone between the surface and a depth of 1100 feet. It was moved by Commissioner Lunseth and seconded by Commissioner Weinhandl that the Commission approve the action of the State Engineer in imposing these restrictions. All commissioners voted yes and the motion was carried.

**THEO. POLSFUT WATER  
RIGHT**

Commissioner Weinhandl stated that Mr. Polsfut had written him relative to his water right. He is in the restricted area, and the Fish and

Wildlife has all the water of the Souris River appropriated, and water rights cannot be approved in that area. It was suggested that Mr. Polsfut contact the Fish and Wildlife Service and see if they will release part of their appropriated water.

**MINOT CITY PARK  
WATER RIGHT #667**

Commissioner Weinhandl reported that the Minot Park Board has a water right for lands in Roosevelt Park and Oak Park, and that they do

not use all of the water appropriated to them for that purpose. They were not sure in whose name the water right stood, whether it was assigned to the park itself or to the park board. If it was to a particular park they would like to have the water right transferred to the Minot Park Board so that the permit would cover all the parks in Minot. It was moved by Commissioner Weinhandl and seconded by Commissioner Lunseth that the Minot Park Board water right permit be amended to read "For the use of Mouse River waters for Minot parks and recreation facilities under the control and supervision of the Minot Park Board system." The motion was approved by the commission members.

**WATER RIGHTS**

**#795**

Fred Roberts, Jr., Bismarck, requests the right to divert 200.2 acre-feet of water from the Missouri River, wells and excess flow in Burnt Creek to irrigate 100.1 acres. It was moved

by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Mr. Roberts be granted the right to divert 200.2 acre-feet of water from the Missouri River, wells and excess flow in Burnt Creek to irrigate 100.1 acres. Motion carried.

**#813**

Charles Bublitz Ambrose, requests the right to divert 94 acre-feet of water from Unnamed Creek tributary to LongCreek, to irrigate 47 acres. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Charles Bublitz be granted the right to divert 36 acre-feet of water from Unnamed Creek, tributary to Long Creek, to irrigate 47 acres. Any diversion, use or storage of Long Creek water shall not diminish the annual flow at the eastern crossing of Long Creek into Saskatchewan below the annual flow of said creek at the western crossing into North Dakota. Motion carried.

**#880**

Raymond Delzer, Bismarck, requests the right to divert 724.12 acre-feet of water from the Missouri River to irrigate 362.06 acres. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Mr. Delzer be granted the right to divert 724 acre-feet of water from the Missouri River to irrigate 362 acres. Motion carried.

#881 Nettle Creek Mutual Aid Coop., Washburn, requests the right to divert 1700 acre-feet of water from the Missouri River to irrigate 847.7 acres. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Nettle Creek Mutual Aid Coop. be granted the right to divert 1695.4 acre-feet of water from the Missouri River to irrigate 847.7 acres. Motion carried.

#882 Meinard Huchler of Bismarck requests the right to divert 166 acre-feet of water from the Missouri River to irrigate 83 acres. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Meinard Huchler be granted the right to divert 166 acre-feet of water from the Missouri River. Motion carried.

#883 Huskey Oil Company, Dickinson, requests the right to divert 240 acre-feet of water for industrial use, from underground sources. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Huskey Oil Company be granted the right to divert 240 acre-feet of water from underground sources for industrial use. Motion carried.

#884 Logan and Robert Ward request the right to divert 910 acre-feet of water from underground sources to irrigate 405.6 acres. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that Logan and Robert Ward be granted the right to divert 910 acre-feet of water from underground sources to irrigate 405.6 acres. Motion carried.

#885 O. T. and Dennis Solberg, Bismarck, request the right to divert 1203 acre-feet of water from underground sources to irrigate 602.8 acres. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that O. T. and Dennis Solberg be granted the right to divert 904 acre-feet of water from underground sources to irrigate 602.8 acres. Motion carried.

There being no further business the meeting  
adjourned at 3:30 p.m.

Respectfully submitted,

Milo W. Hoisveen  
Secretary

ATTEST:

William L. Berg  
Governor

## Appendex A.

December 15, 1960

The following is a resolution adopted by the Board of County Commissioners of Billings County, State of North Dakota, November 14, 1960.

WHEREAS, the County of Billings State of North Dakota has been considered a part of the Southwest District Development Unit, to a unit for the purpose of conservation development and utilization of agricultural, mineral, water and recreation resources declared a public purpose.

WHEREAS, it is the opinion of the County Commissioners of Billings County, State of North Dakota that our county would not gain anything by its membership to this unit but that the taxes would be increased without receiving an equivalent benefit for the same.

NOW THEREFORE, be it resolved by the Board of County Commissioners at its special meeting assembled November 14, 1960 at Medora, North Dakota that Billings County be withdrawn from the Southwest District Development Unit. Motion carried.

Daniel Osadchuk  
County Auditor

2/1/61

Appendex B.

R E S O L U T I O N IRESOLUTION REQUESTING THE CONTINUED COOPERATION  
OF THE NORTH DAKOTA STATE WATER CONSERVATION  
COMMISSION IN MATTERS PERTAINING TO OPERATION  
OF IRRIGATION DISTRICTS

WHEREAS, the North Dakota Irrigation District Directors' Association was organized to provide the directors of established irrigation districts in North Dakota on organization through which they can discuss and consider problems and matters of mutual interest; and

WHEREAS, the members of this Association sincerely appreciate the efforts of the North Dakota State Water Conservation Commission in the organization and operation of their districts and are anxious to continue their close working relationship with that agency; and

WHEREAS, the irrigation districts in North Dakota have a keen interest in all matters relating to irrigation and irrigation development in the state as well as in the laws of the State of North Dakota governing the establishment and operation of irrigation districts and are anxious to have an opportunity to assist in the preparation and review of any proposed changes to the irrigation district laws before they are submitted to the North Dakota State Legislature.

NOW, THEREFORE, BE IT RESOLVED by the North Dakota Irrigation District Directors' Association at meeting duly assembled in Jamestown, North Dakota, this 4th day of November, 1960, that this Association requests the continued cooperation and assistance of the North Dakota State Water Conservation Commission and pledges to that agency whatever service and assistance it can give in preparing and reviewing proposed revisions to the laws of the State of North Dakota affecting the organization and operation of irrigation districts in North Dakota and

BE IT FURTHER RESOLVED that a copy of this Resolution be sent to the North Dakota State Water Conservation Commission.

2/1/61

R E S O L U T I O N VRESOLUTION REQUESTING THE 1961 NORTH DAKOTA LEGISLATIVE ASSEMBLY TO HAVE THE LEGISLATIVE RESEARCH COMMITTEE STUDY AND MADE RECOMMENDATIONS CONCERNING NORTH DAKOTA WATER LAWS.

WHEREAS, there is an ever-increasing demand for water supplies from both surface and ground water sources to serve multiple beneficial purposes; and

WHEREAS, the number of regulatory structures on our streams are insufficient to properly control the flow of available water therein; and

WHEREAS, there appears to be numerous conflicts in the use of and contradictions over the right to both surface and subsurface water which point up the need for improved legislation to solve these problems; and

WHEREAS, an early study and revision of our water laws in order to modernize and to bring them up-to-date, so as to meet situations which they do not now cover, is imperative; and

WHEREAS, the Legislative Research Committee is best prepared and equipped to carry out the required and necessary study of such laws in cooperation and conjunction with the State Water Commission or its representatives.

NOW, THEREFORE, BE IT RESOLVED that the North Dakota Irrigation District Directors' Association meeting at Jamestown, North Dakota, this 4th day of November 1960, declares it to be desirable, necessary and of the utmost importance that a comprehensive study be made of the North Dakota Water Laws, with a view of revising, amending and rewriting the same in order to more effectively serve the purposes thereof; and

BE IT FURTHER RESOLVED that the 37th Legislative Assembly of the State of North Dakota be and it is hereby respectfully petitioned and requested to authorize and direct the Legislative Research Committee to promptly make a comprehensive study of said water laws and submit its recommendations of desirable

2/1/61

and necessary amendments thereto and revisions thereof, essential to best preserve the integrity of the state water laws and to improve the administration thereof, to the 1963 Legislative Assembly of the State of North Dakota; and

BE IT FURTHER RESOLVED that the North Dakota State Water Conservation Commission is hereby requested to make available technicians and its legal representative to aid in directing the work of the committee; and

BE IT FURTHER RESOLVED that the Secretary of the North Dakota Irrigation District Directors' Association is hereby directed to forward copies of this resolution to, the Governor; the President of the Senate; the Speaker of the House; and the Director of the Legislative Research Committee, Mr. C. Emerson Murry, and the North Dakota State Water Conservation Commission.

2/1/61

## Appendix D

Belfield, North Dakota  
January 7, 1961

**RESOLUTION:**

**WHEREAS;** The Belfield City Council is interested in the welfare of the residents of our community and the conservation and obtaining of good water for municipal use for Belfield, and

**WHEREAS:** The North Dakota Water Conservation Commission has made an investigation and survey of PROJECT #647 in Billings County, on Sec. 15, Twp. 141, Range 98, and found that the project feasible, with a good water quality and supply for municipal use, and has flood control as well as recreational and wildlife possibilities, and

**WHEREAS:** The North Dakota Water Conservation Commission found that project, on account of the cost of the structure, would be beyond the scope of their participation, and OBSTACLES, such as coal vein, would tend to place this structure in the category of those of the Corps of Engineers, and

**WHEREAS:** The North Dakota Water Conservation Commission has requested the Corps of Engineers to give this project further study, and that the project now appears in Senate Resolution #48; under hearings before the Select Committee on National Water Resources, United States Senate, and

**WHEREAS:** The City of Belfield does not have an ample water supply for the present and further use; and that the present supply is of a poor quality, and that this project #647 would give Belfield a good supply, as well as an upstream supply for the City of Dickinson, who is also interested in the above Project, now

**THEREFORE:** With our population expected to expand under normal conditions, and with our drinking water supply as it now is, WE OF THE CITY COUNCIL OF BELFIELD, NORTH DAKOTA ask that the Natural Resources Committee of the House of Representatives, of the State of North Dakota consider this project with favorable results, thus carrying additional influence to make it possible for the Corps of Engineers to give the above project future study.

**BY THE ORDER OF THE BELFIELD CITY COUNCIL:**

2/1/61

## Appendex E

EXCERPT OF MINUTES

Regular Meeting:                      Tuesday:                      January 17, 1961

Resolution Adopted:                      Sheyenne Diversion Project:

At the Meeting of the Board held on January 10, 1961, the Industrial and Water Resources Committee of the Fargo Chamber of Commerce suggested that a Resolution be prepared by their Committee relative to the Sheyenne Diversion Project and considered at today's meeting.

Commissioner Hagen offered the following Resolution and moved its adoption  
**BE IT RESOLVED BY THE BOARD OF CITY COMMISSIONERS OF THE CITY OF FARGO:**  
**WHEREAS,** The industrial, economic and social growth of Fargo and Cass County is becoming more dependent upon an adequate supply of water; and

**WHEREAS,** Under existing conditions it is impossible to guarantee a sufficient amount of water to supply certain types of industry which have indicated a desire to locate a plant in the Fargo area; and

**WHEREAS,** The matter of directing water from the Sheyenne River to the Red River has been investigated and found to be possible.

**NOW, THEREFORE, BE IT RESOLVED,** That the City Commission of Fargo requests authority from the State of North Dakota Water Commission to divert fifty second feet of water from the Sheyenne River into the Red River.

**BE IT FURTHER RESOLVED,** That this Resolution be spread upon the permanent minutes of the Board of City Commissioners of the City of Fargo and that a member of the City Commission be authorized to present a certified copy of this Resolution, in person, to the North Dakota State Water Conservation Commission.

Second by Lewis. On the vote being taken on the question of the adoption of the Resolution Commissioners Hagen, Lewis, Markey, McCannel and Lashkowitz all voted aye.

No Commissioner being absent and none voting nay, the President declared the Resolution to have been duly passed and adopted.

CERTIFICATE OF CITY AUDITOR

STATE OF NORTH DAKOTA)

:ss

COUNTY OF CASS)

I, Wm. G. Johnson, do hereby certify that I am the duly appointed, qualified and acting City Auditor of the City of Fargo, North Dakota; and

That the above 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, January 17, 1961; and

That such Resolution is 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/ William G. Johnson  
 City Auditor, City of Fargo, North Dakota

2/1/61

Appendex F

February 13, 1959

Sheyenne Diversion  
Project 2018

Mr. Fred Hagen  
City Hall  
Fargo, North Dakota

Dear Mr. Hagen:

The following data as requested in our meeting with the Water Resources Committee is submitted for your information.

- #1. Estimate of cost of pipeline from diversion weir directly East to connection with Stanley drain.

4533' of 66" R.C. Pipe in place @ \$33.00	\$ 149,489
Railroad Crossing	5,000
Headwall	2,500
Additional Deepening of Stanley Drain	<u>400'</u>
	\$ 157,389

- #2. Estimate of cost of pipeline from diversion weir East to corner of Westlund property; thence directly to railroad bridge; thence to Stanley drain.

5310' of 66" R.C. Pipe in place @ \$33.00	\$ 175,230
Headwall	<u>2,500</u>
	\$ 177,730

- #3. Estimate of cost of open ditch as shown on B&V drawings (no fence) from diversion weir to intersection with Stanley Drain at Station 169+24.

6194' of open ditch (7.4 cu. yd./foot) @ \$3.33 \$24,600  
If fencing of the R.O.W. is required, add \$18,600  
If crossings over ditch are required, add \$7,000 each.

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February 13, 1959

Mr. Fred Hagen

- #4. Estimate of Cost of open ditch (no fence) from diversion weir directly east to connection with Stanley drain

4433' of open ditch @ \$3.33	\$ 14,700
Culvert under railroad	<u>13,500</u>
	\$ 27,200

If fencing of R.O.W. is required, add \$13,300  
 If crossings over ditch are required, add \$7,000 each

The above estimates are based on pipe quotations from North Dakota Concrete Sectional Culvert Company. Prevailing costs for dragline excavation were obtained from the Soil Conservation Service in Fargo and from Lee Pratt, West Fargo, Consulting Engineer on drainage work. These estimates are for construction only and do not include any allowance for land, rights-of-way, engineering or legal expense.

Incidentally, the diversion weir which was estimated at \$110,496 in October 1952 could be expected to cost about \$140,000 now because of the fact that cost of construction has generally increased 25 to 30% since that time.

The above estimates indicate that the open ditch is considerably less expensive than a pipeline. In view of this it would appear reasonable for the City to acquire the entire Westlund property at least from the south side of the proposed ditch north, and then lease the property for farming purposes.

Very truly yours,

BLACK & VEATCH

L. W. Bremser

2/1/61

Appendix G

CITY OF MAYVILLE  
MAYVILLE, NORTH DAKOTA  
RESOLUTION NO. 11

WHEREAS, the problem of adequate water supplies for the Cities of eastern North Dakota and Traill County is of great concern to all persons interested in the economic development and population growth in such area;

AND WHEREAS, it has been our experience that the State Water Commission is deeply interested in helping all cities of the State toward reaching a solution of their water problems;

AND WHEREAS, it appears the Goose River and its tributaries may offer reservoir areas for water supplies for cities situated in Traill County and eastern North Dakota plus providing flood control;

AND WHEREAS: it appears a full exploration and survey was conducted by the Army Engineers in 1939 for the purpose of determining whether greater use of the Goose River and its tributaries for water supply, storage and flood control is feasible;

AND WHEREAS, it further appears the State Water Commission is the proper body to conduct such survey and to make available to the various interested municipalities the information which will be accumulated as a result thereof;

Now therefore be it resolved that the Mayville City Council hereby requests

- A. That a survey of the Goose River and its tributaries be undertaken forthwith by the State Water Commission for the purpose above stated;
- B. That the Legislative Assembly make available to the State Water Commission such funds as are necessary to conduct such survey;

BE IT FURTHER RESOLVED, that copies of hereof be transmitted by the City Auditor of the City of Mayville to the Governor of the State of North Dakota, the State Water Commission, State Senator Nesvig and State Representative Sorlie, Westvedt and Diehl.

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The forgoing Resolution was introduced by Alderman Balstad who moved its adoption. Alderman Larson seconded the motion. Voting in favor thereof: Alderman Larson, Balstad, Bohnsack, Goteberg, and Hoveland. Opposed: (None). Absent: Alderman Egge. The Mayor declared the motion carried and the Resolution duly adopted.

Approved:-----January 16, 1960  
E. N. Dornacker, Mayor

Approved:-----January 16, 1960  
H. B. Burner, City Auditor

2/1/61

## Appendex H

## RESOLUTION NO. W-1-1961

WHEREAS, the problem of adequate water supplies for the municipalities of eastern North, including the City of Hillsboro and Traill County is of paramount concern to all persons interested in the possible industrial expansion and population growth in such area;

AND WHEREAS, it has been the experience of the City Commission of the City of Hillsboro that the State Water Commission is deeply interested in assisting all municipalities of the State toward reaching solution of their water problems;

AND WHEREAS, it appears the Goose River and its tributaries may offer reservoir areas for water supplies for the City of Hillsboro and other municipalities in eastern North Dakota, plus providing flood control;

AND WHEREAS, it appears a full exploration and survey was conducted by the Army Engineers in 1939 for the purpose of determining whether greater use of the Goose River and its tributaries for water supply, storage and flood control feasible;

AND WHEREAS, it further appears the State Water Commission is the proper body to conduct such survey and to make available to the various interested municipalities the information which will be accumulated as a result thereof;

NOW THEREFORE, BE IT RESOLVED THAT THE CITY COMMISSION OF THE CITY OF HILLSBORO HEREBY requests;

A. That a survey of the Goose River and its tributaries be undertaken forth with by the State Water Commission for the purpose above stated;

B. That the Legislative Assembly make available to the State Water Commission such funds as are necessary to conduct such survey;

BE IT FURTHER RESOLVED, that copies hereof be transmitted by the City Auditor to the Governor of the State of North Dakota, the State Water Commission, State Senator Jerome Nesvig, and State Representatives Sorlie, Wastvedt and Diehl.

Commissioner Sorum moved the adoption and passage of the above and foregoing resolution, said motion was duly seconded by Commissioner Allen.

Voting aye, President Brakke, Commissioners Reed, Allen, Kress and Sorum;  
Voting nay; None

APPROVED: January 23, 1961

2/1/61

## Appendix I

## RESOLUTION NO. 261

WHEREAS, the problem of adequate water supplies for the municipalities of eastern North Dakota and Traill County is of paramount concern to all persons interested in the possible industrial expansion and population growth in such area;

AND WHEREAS, it has been the experience of the County Commissioners that the State Water Commission is deeply interested in assisting all municipalities of the State toward reaching solutions of their water problems;

AND WHEREAS, it appears the Goose River and its tributaries may offer reservoir areas for water supplies for municipalities situated in Traill County and eastern North Dakota plus providing flood control.

AND WHEREAS, it appears a full exploration and survey was conducted by the Army Engineers in 1939 for the purpose of determining whether greater use of the Goose River and its tributaries for water supply, storage and flood control feasible;

AND WHEREAS, it further appears the State Water Commission is the proper body to conduct such survey and to make available to the various interested municipalities the information which will be accumulated as a result thereof;

NOW THEREFORE BE IT RESOLVED that the Traill County Commissioners hereby requests:

- a. That a survey of the Goose River and its tributaries be undertaken forthwith by the State Water Commission for the purposes above stated:
- b. That the Legislative Assembly make available to the State Water Commission such funds as are necessary to conduct such survey:

BE IT FURTHER RESOLVED, that copies hereof be transmitted by the County Auditor to the Governor of the State of North Dakota, the State Water Commission, State Senator Nesvig and State Representatives Sorlie, Wastvedt, and Diehl.

Approved: \_\_\_\_\_, Date: \_\_\_\_\_

Filed: \_\_\_\_\_, Date: \_\_\_\_\_

State of North Dakota) ss  
County of Traill )

I, the undersigned county auditor in and for said County and State, do hereby certify that the within and attached "Resolution No. 261" is a true and correct copy of a resolution adopted by the Board of County Commissioners in and for said County and State on January 17, 1961.

DATED: January 20th, 1961

\_\_\_\_\_  
Gerhard D. Olson, County Auditor

2/1/61

## Appendex J

Januray 5, 1961

Mr. Milo Hoisveen, Secretary  
State Water Conservation Commission  
Bismarck, North Dakota

Dear Mr. Hoisveen:

At the regular meeting of the City Council held January 2nd, 1961,  
the following resolution was introduced and unanimously adopted:

Whereas: The City Council feels the need of a more adequate  
Water Supply for the City of Drayton.

Therefore Be It Resolved: that the City Council of the City  
of Drayton, ask the State Water Conservation  
Commission for permission to construct a Low Level  
Dam of Concrete and Steel Piling in the Red River  
of the North.

Thanking you for your cooperation, we are

Respectfully

Drayton City Council

S/ John Hollie  
City Auditor

2/1/61

Appendix K

RESOLUTION NO. 261

WHEREAS, the problem of adequate water supplies for the municipalities of eastern North is of paramount concern to all persons interested in the possible industrial expansion and population growth in such area;

AND WHEREAS, it has been the experience of the City of Grafton that the State Water Commission is deeply interested in assisting all municipalities of the State toward reaching solutions of their water problems;

AND WHEREAS, it appears the Red River of the North and its tributaries may offer reservoir areas for water supplies for municipalities situate in the Red River Valley;

AND WHEREAS, it appears a full exploration and survey should be conducted for the purpose of determining whether greater use of the Red River of the North and its tributaries for water supply and storage is feasible;

AND WHEREAS, it further appears the State Water Commission is the proper body to conduct such survey and to make available to the various interested municipalities the information which will be accumulated as a result thereof;

NOW THEREFORE, BE IT RESOLVED that the City of Grafton hereby requests:

- a. That a survey of the Red River of the North and its tributaries be undertaken forthwith by the State Water Commission for the purpose above stated;
- b. That the Legislative Assembly make available to the State Water Commission such funds as are necessary to conduct such survey;

BE IT FURTHER RESOLVED, that copies hereof be transmitted by the City Auditor to the Governor of the State of North Dakota, the State Water Commission, State Senator Elton W. Ringsak and State Representative Wilfred A. Collette.

\*\*\*\*\*

Foregoing Resolution was introduced by Alderman Stark who moved its adoption. Alderman Ordahl seconded the motion. Voting in favor thereof: Alderman Stark, Horter, Ordahl, Olson, Kamrowski, Nygard and Sevigny. Opposed; (none). Absent Alderman Schumacher. The Mayor declared the motion carried and the Resolution duly adopted.

Approved: S/ H. F. Hills Date, January 3, 1961  
Mayor

Filed: S/ Earl F. Machart Date: January 3, 1961  
City Auditor

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
 MONTHLY REPORT OF APPROPRIATIONS AS OF FEBRUARY 28, 1961  
 1959 - 1961 APPROPRIATIONS

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	FEB' 61	UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PER DIEM & EXP	6,000.00	.00	4,647.58	154.80	1,352.42	64.00	1,288.42
2. ADMINISTRATION	49,200.00	580.68	59,412.08	1,466.10	10,368.60	300.53	10,068.07
3. MAINTENANCE OF DAMS	115,000.00	126,353.74	223,959.37	3,587.19	17,394.37	2,244.74	15,149.63
4. INT'L & INTERSTATE EXP	10,000.00	.00	6,275.76	444.07	3,724.24	37.00	3,687.24
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	28,102.31	.00	1,897.19	1,897.19	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	900.00	26,986.03	6,391.19	1,413.97	1,413.97	.00
7. ENGR & GEOL SURVEYS, USGS	57,500.00	.00	56,099.21	780.67	21,400.79	19,213.28	2,187.51
8. COOP WITH U. S. DEPT, ETC	57,000.00	.00	43,075.79	1,318.08	13,924.21	4,196.00	9,728.21
9. ENGINEERING INVESTIGATIONS	130,000.00	.00	112,741.04	5,834.39	25,258.96	901.10	24,357.86
10. ADM OF WATER LAWS	6,000.00	.00	1,506.73	166.58	4,493.27	.00	4,493.27
11. OASIS CONTRIBUTIONS	6,500.00	2,957.33	6,739.05	.00	2,718.78	715.00	2,003.78
	<u>502,700.00</u>	<u>130,792.25</u>	<u>529,545.45</u>	<u>20,143.07</u>	<u>103,946.80</u>	<u>30,982.81</u>	<u>72,963.99</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
STATUS OF CONTINUING APPROPRIATIONS  
AS OF FEBRUARY 28, 1961

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	FEB '61	UNEXPENDED	ENCUMB.	UNENCUMB.
20. MULTIPLE PURPOSE	200,000.00						
"CAR FWD"	178,751.98	26,588.18	197,428.38	492.38	207,911.78	199,838.67	8,073.11
21. CONST BOND GUAR	90,000.00	11,018.04	20,539.00	.00	80,479.04	.00	80,479.04

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, 1957. 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 DISBURSEMENTS

MAR 9'40 - GUARANTEE SERIES "F" BONDS - LEWIS & CLARK PROJECT	1,280.00
NOV 28'40 -GUARANTEE SERIES "F" BONDS - LEWIS & CLARK PROJECT	4,120.00
MAR 10'41 -GUARANTEE SERIES "G" BONDS - BISMARCK IRRIGATION PROJECT	3,300.00
MAY 12'41 -GUARANTEE SERIES "I-B" BONDS - LEWIS & CLARK PROJECT	6,000.00
APR 28'42 -GUARANTEE SERIES "I-B" BONDS - LEWIS & CLARK PROJECT	1,800.00
FEB 27'43 -PAY INTEREST ON BOND #2, SERIES "F" - LATER REPAID	1,080.00
OCT 30'44 -GUARANTEE SERIES "J" BONDS - BISMARCK IRRIGATION PROJECT	2,959.00
	<u>20,539.00</u>

SCHEDULE OF BONDS & INTEREST RECEIVABLE

TYPE	DUE DATE	INTEREST RATE	INTEREST REC. TO MATURITY	PRINCIPAL AMOUNT	TOTAL INCOME ANTICIPATED
U. S. SERIES G BONDS	3-62	2.50%	187.50	5,000.00	5,187.50
U. S. SERIES K BONDS	2-65	2.76%	186.30	1,500.00	1,686.30
U. S. SERIES K BONDS	4-67	2.76%	358.80	2,000.00	2,358.80
U. S. TREASURY BONDS	12-15-68	2.50%	600.00	3,000.00	3,600.00
SIoux IRRIGATION DIST. BONDS 1984 SERIALLY		2.25%	5,760.00	18,500.00	24,260.00
			<u>7,092.60</u>	30,000.00	37,092.60
				FUND BALANCE . . . . .	80,479.04
					117,571.64
				LESS ORIGINAL APPROPRIATION . . . . .	-90,000.00
				EXCESS . . . . .	\$27,571.64

THE CONSTRUCTION BOND GUARANTEE FUND WILL ATTAIN ITS ORIGINAL CASH LEVEL OF \$90,000 IN 1964 AT WHICH TIME LEGISLATIVE ACTION WILL BE REQUIRED TO DETERMINE DISPOSITION OF THE FUNDS RECEIVED IN EXCESS OF THE ORIGINAL APPROPRIATION AS NOTED IN THE OPINION OF THE ATTORNEY GENERAL, DATED JANUARY 2, 1958.

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
 MONTHLY REPORT OF APPROPRIATIONS AS OF SEP 30 1961  
 1957-1959 APPROPRIATIONS

FUND	AVAILABLE FUNDS		DISBURSEMENTS TO DATE	FUND BALANCES		
	APPROPRIATION	RECEIPTS		UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PER DIEM & EXP	6,000.00	.00	6,000.00 #	.00	.00	.00
2. ADMINISTRATION	47,000.00	2,797.33 &	49,579.27	.00	218.06	.00 218.06
3. MAINTENANCE OF DAMS	105,000.00	101,910.58	206,910.58	.00	.00	.00
4. INT'L & INTERSTATE EXP	8,000.00	14.85	7,997.33	.00	17.52	.00 17.52
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	30,000.00	.00	.00	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	.00	27,500.00	.00	.00	.00
7. ENGR & GEOL SURVEYS, USGS	37,500.00	5,306.81	42,806.81	.00	.00	.00
8. COOP WITH U. S. DEPT, ETC	50,000.00	10.00	50,004.93	.00	5.07	.00 5.07
9. SMALL PROJECTS, ETC	113,000.00	2,374.98	120,374.98 @	.00	.00	.00
10. ADM OF WATER LAWS	6,000.00	.00	6,000.00	.00	.00	.00
11. OASIS CONTRIBUTIONS	3,800.00	4,541.24 %	8,341.24	.00	.00	.00
	<u>438,300.00</u>	<u>118,955.79</u>	<u>555,515.14</u>	<u>.00</u>	<u>240.65</u>	<u>.00 240.65</u>

# INCL TRANSFER TO FUND #2 -\$523.62

@ INCL TRANSFER TO FUND #2 -\$97.57

& INCL TRANSFER FROM FUND #1-\$523.62 & FUND #9-\$97.57

% TRANSFER FROM EMERGENCY COMM -\$4,541.24

3-31-60

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
PAYROLL - FEBRUARY 28, 1961

SALARIED EMPLOYEES

NAME	POSITION	PAY GRADE	REMARKS	SALARY FEB' 61	WITH. TAX	SOC. SEC.	HOSP. INS	BONDS ETC	NET PAY
HOISVEEN, MILO W.	STATE ENGR	0-8	INC JUL' 60	927.67	139.20	27.83	17.20	18.75	724.69
ANDERSON, LARRY	RODMAN	B-7	INC JUL' 60	393.34	51.20	11.80			330.34
BAESLER, GORDON	DRAFTSMAN	F-6	INC JUL' 60	364.17	45.50	10.93			307.74
COOPER, VERNON S.	ASST SECY	M-6	INC JUL' 60	383.84	71.00	11.52	17.20		284.12
EMTER, JEANNE	TYPIST	B-7	INC DEC' 60	196.67	25.60	5.90	17.20		147.97
FREDRICKSON, FRED	COORDINATOR	G-4	INC JUL' 60	399.67	41.30	11.99			346.38
GEHRING, EDNA	FILE CLERK	G-7	INC JUL' 60	226.17	40.70	6.79	7.05		171.63
GRINDBERG, ALAN	ENGINEER	K-2	INC FEB' 61	583.57	106.20	17.51	7.05		452.91
HILAND, LEONE	CH STENO	F-6	INC JUL' 60	364.17	45.50	10.93	7.05		300.69
KNUTSON, LEWIS	DRILLER	F-5	PER OCT' 60	354.67	34.10	10.64			309.93
LAUINGER, ANTON	DRILLER	F-2	PER FEB' 61	511.17	61.30	15.33	17.20		417.34
MOSER, IRVIN	RODMAN	B-9	INC JUL' 60	413.34	54.20	12.40			346.74
NELSON, C. P.	ENGINEER	K-3	INC FEB' 61	500.67	81.60	18.02			501.05
PUTZ, ROY	OFF ASST	A-10	INC JUL' 60	189.50	14.20	5.69	7.05		162.56
REITER, DANIEL	FOREMAN	H-1	INC APR' 60	416.67	33.80	12.50	17.20	18.75	334.42
RIVINIUS, MERRIL	ENGINEER	H-8	STA FEB' 61	504.17	81.80	15.13	7.05		400.19
SACKMAN, EUGENE	INST MAN	G-1	INC MAY' 60	366.67	15.50	11.00	17.20		322.97
SANDWICK, HAZEN	ENGINEER	K-7	INC JUL' 60	668.67	63.30	20.06	17.20	37.50	525.11
SCHULZ, JIM	ACCOUNTANT	G-3	INC FEB' 61	388.67	49.30	11.66			327.21
SCHWINKENDORF, DON	INST MAN	E-6	INC AUG' 60	306.67	45.40	9.20			252.07
TIMM, ROBERT J.	ASST ST ENG	K-9	INC JUL' 60	702.67	76.00	21.08	17.20		588.39
WALTERSON, HOWARD	FOREMAN	H-1	INC APR' 60	416.67	53.80	12.50	17.20		333.17
WALTERSON, JEAN	DRAFTSMAN	E-3	INC FEB' 61	232.67	31.10	8.48			243.09
ZIEGLER, VICTOR	ENGINEER	J-7	RES JAN' 61	440.32	66.15	13.21	17.20		343.76
				10,402.57	1,333.75	312.10	207.25	75.00	6,474.47