

MINUTES

North Dakota State Water Commission
Held at M & J Steak House
West Fargo, North Dakota

October 15, 1971

The meeting was called to order at 10:50 a.m. in the M & J Steak House, West Fargo, North Dakota, on October 15, 1971, with Vice Chairman Richard Gallagher presiding. The meeting held in West Fargo is indicative of the Commission's interest in holding meetings in areas where a specific problem exists or where their participation has made it possible to correct a problem in a particular locality. This meeting was held in West Fargo to display the Commission members' interest in the Sheyenne Diversion project. This project, which will provide the city of Fargo, through efforts of the North Dakota State Water Commission, to obtain 104 acre-feet of water daily from the Sheyenne River.

PRESENT:

Richard Gallagher, Vice Chairman, Mandan
Harold Hanson, Member from New England
Alvin Kramer, Member from Minot
Gordon Gray, Member from Valley City
Milo W. Hoisveen, State Engineer, Chief Engineer and Secretary,
North Dakota State Water Commission, Bismarck

OTHERS PRESENT:

Cliff Jochim, Special Assistant Attorney General, North Dakota
State Water Commission, Bismarck
Alan Grindberg, Assistant Chief Engineer, North Dakota State
Water Commission, Bismarck
Russell Dushinske, Executive Vice President, North Dakota Water
Users Association, Inc., Minot
Dr. E. B. Norum, North Dakota State University, Fargo
Dr. J. M. Ramirez, North Dakota State University, Fargo
H. A. Hendrickson, Chairman, Souris-Red-Rainy River Basins Commission,
Moorhead, Minnesota
Daniel R. Twichell, Southeast Cass County Water Management District,
West Fargo
E. M. Gregory, Fargo
William Corwin, Fargo
M. H. Holmen, Mayor, Horace, North Dakota
Duane Breitling, Attorney, West Fargo

MINUTES OF SEPTEMBER 1, 1971
MEETING APPROVED

1971 meeting be dispensed with and the minutes be approved as circulated.

It was moved by Commissioner Hanson, seconded by Commissioner Gray and carried that the reading of the minutes of the September 1, 1971 meeting be dispensed with and the minutes be approved as circulated.

FINANCIAL STATEMENT FOR
MONTH OF AUGUST, 1971
APPROVED

Secretary Hoisveen presented the financial statement for the month of August, 1971, and briefly explained various items therein.

It was moved by Commissioner Gray, seconded by Commissioner Hanson and carried that the financial statement for the month of August, 1971, be approved as presented.

STUDY OF DROUGHT HISTORY
AND PROBABILITIES
(#322)

Dr. E. B. Norum, Chairman, Soils Department, North Dakota State University, Fargo, was introduced by Secretary Hoisveen. Dr. Norum stated that his Department has applied to the Office of Water Resources Research for a grant to conduct a study entitled "Drought History and Probabilities in North Dakota." It is hoped that the study can be started on May 1, 1972, and be concluded on December 31, 1974. The entire study will cost \$45,995.70, and the State Water Commission is requested to contribute \$11,500. If the State Water Commission agrees to participate, it would be asked to make the following payment: \$1,500 between April, 1972 and June, 1972; \$5,000 between July 1, 1972 and June 30, 1973; and, \$5,000 between July 1, 1973 and June 30, 1974.

Dr. Norum introduced Dr. J. M. Ramirez, Assistant Professor of Soils, North Dakota State University, Fargo, who will be the principal investigator in charge of the proposed study. Dr. Ramirez, after briefly stating his qualifications and experience, explained the purpose and scope of the study. North Dakota has 228 climatic stations 94 of which have 22 years or more of record. These 94 stations will be utilized in the study. The study will look at drought from a climatic point of view and not from merely a single (i.e. farmer) point of view. It will define drought in terms of severity-time factor; the results will be extended in terms of probability, that is, periods of severity in terms of starting and ending. Basically, it will be a computer study with the data collected placed on magnetic tape. The procedure and data collected can be updated as the study progresses or at a later date.

In response to Commissioner Gray's question, Secretary Hoisveen stated that the State Water Commission has sufficient funds in its Contract Fund to pay the amount requested.

It was moved by Commissioner Gray, seconded by Commissioner Hanson and carried that the State Water Commission contribute \$11,500 to the North Dakota State University Soils Department's study on Drought History and Probabilities in North Dakota.

AQUATIC PLANT STUDY
(#322)

Secretary Hoisveen stated that two years ago the State Water Commission agreed to contribute \$1,500 per year for a two-year period to Dr. Leo J. Schermeister, North Dakota State University Pharmacy Department, for a study to determine the effects of aquatic plant life on water quality. Following Secretary Hoisveen's explanation of the purpose of the study and a brief discussion, Vice Chairman Gallagher suggested that the study should include an evaluation of the benefits of aquatic life.

It was moved by Commissioner Hanson, seconded by Commissioner Kramer and carried that the State Water Commission contribute \$1,500 per year for a two-year period to the North Dakota State University for a study to determine the effects of aquatic life with the understanding that such contribution is dependent upon approval of a grant from Water Resources Research Institute.

LIGNITE RESEARCH
(#1495)

Secretary Hoisveen stated that the University of North Dakota was interested in conducting a study relative to the use of North Dakota's lignite. The State Water Commission could utilize the information such a study would collect in its West River Diversion study. The principal use of the study would be for locating suitable areas and processes whereby lignite could be used in a hydro-gasification process. He indicated that several large natural gas utility companies have shown considerable interest in North Dakota.

It was moved by Commissioner Hanson, seconded by Commissioner Kramer and carried that the State Water Commission will contribute \$12,500 to the University of North Dakota's lignite research provided the balance of the project is funded by the Office of Coal Research and/or the National Science Foundation.

BARNES COUNTY
DRAIN NO. 2
(#1558)

Secretary Hoisveen explained that the Barnes County Water Management District, in its plans for the construction of the Anderson-Stewart South Drain, had not met State Water Commission requirements for financial participation by the Commission. It has now agreed to adopt State Water Commission construction specifications and secure the approval of the State Game and Fish Department. It is estimated that the cost of the drain will be approximately \$44,000.

It was moved by Commissioner Gray, seconded by Commissioner Kramer and carried that the State Water Commission participate in 40 percent of the costs of the Barnes County Drain No. 2, an amount not to exceed \$17,600, provided the Barnes County Water Management District comply with State Water Commission construction specifications and secure the approval of the State Game and Fish Department.

BILLINGS COUNTY
WATER MANAGEMENT
DISTRICT
(#1555)

Vice Chairman Gallagher called on Cliff Jochim, Special Assistant Attorney General for the State Water Commission, to discuss the situation relative to the establishment of the Billings County Water Management District. Mr. Jochim stated that on July 16, 1971, he held a hearing in Medora on the petition of the Board of County Commissioners of Billings County to establish a county-wide water management district. Three people, in addition to Mr. Jochim, attended the hearing; a County Commissioner, the County Auditor and a disgruntled farmer. None of them favored the establishment of a district. At its September 1, 1971 meeting, the State Water Commission decided to defer the establishment of the district until more interest is exhibited on the local level.

It was moved by Commissioner Hanson, seconded by Commissioner Kramer and carried that the approval of the petition to establish the Billings County Water Management District be deferred and Cliff Jochim be directed to arrange a meeting with the Board of County Commissioners and discuss the situation.

SOUTHEAST CASS WATER
AND SEWER SYSTEM
(#729)

Daniel R. Twichell, Secretary, Southeast Cass County Water Management District, requested that the State Water Commission adopt a resolution approving the District's proposal to construct a sewer and water supply system south of West Fargo. He explained that approval of the proposal was merely the initial

step necessary to initiate the project and the State Water Commission would have to approve the District's final detailed plan before actual construction could be started.

It was moved by Commissioner Gray, seconded by Commissioner Hanson and carried that the State Water Commission adopt a resolution approving the proposal of the Southeast Cass County Water Management District to construct a sewer and water supply system south of West Fargo. (See Appendix "A")

SOURIS RIVER
CHANNEL GROUNDBREAKING
(#1408)

Secretary Hoisveen read a letter from the Minot Chamber of Commerce inviting the State Water Commission to participate in the groundbreaking ceremonies on

October 20, 1971, for a Souris River flood control project. It was the consensus of those present that the State Water Commission need not hold a meeting in conjunction with the dedication ceremonies, but any individual Commissioner that wished to attend should do so.

It was moved by Commissioner Kramer, seconded by Commissioner Gray and carried that any member of the State Water Commission who wished was authorized to attend the October 20, 1971 groundbreaking ceremonies.

STATE AUDITOR'S
REPORT

Secretary Hoisveen read a letter from State Auditor, Curtis Olson, which accompanied a report made by his

personnel of State Water Commission books covering the Commission's financial activities from July 1, 1970 to June 30, 1971. The report is very favorable and indicates that all aspects of the State Water Commission's financial activities are satisfactory.

It was moved by Commissioner Hanson, seconded by Commissioner Kramer and carried that Secretary Hoisveen be requested to notify the State Auditor that his report has been reviewed by the Commission and its staff.

HALLIDAY GROUND-
WATER STUDY
(#1599)

Secretary Hoisveen stated that the State Water Commission had received a request from the city of Halliday for a ground-water survey in order to locate a

municipal water supply. The survey would be conducted within a three-mile

radius of Halliday, would be completed this fall and is estimated to cost \$3,000. The Commission, in the past, has participated in one-half of the cost of such surveys.

It was moved by Commissioner Hanson, seconded by Commissioner Kramer and carried that the State Water Commission conduct a ground-water survey for the city of Halliday and participate in one-half of the costs, such cost sharing not to exceed \$1,500.

**BIG COULEE
SPILLOUT
(#1316)**

Secretary Hoisveen stated that the State Water Commission had received a request from the Towner County Water Management District for financial participation in

the construction of a dike along a portion of Big Coulee which is subject to spillout. The dike is estimated by the Soil Conservation Service to cost \$3,000 and the State Water Commission is asked to share in 40 percent of such costs. Secretary Hoisveen warned that before agreeing to participate, the State Water Commission should be aware that such action might establish a precedent and encourage other areas with similar problems to request cost sharing for dike construction.

It was moved by Commissioner Kramer, seconded by Commissioner Hanson and carried that the State Water Commission will pay 40 percent of the cost of constructing a dike along Big Coulee in Towner County, the amount not to exceed \$1,200, with the stipulation that the Towner County Water Management District assume all responsibility for any damages resulting from the construction or maintenance of such dike.

**EFFECTS OF DRAINAGE
ON FLOODING
(#1053)**

Assistant Chief Engineer, Alan Grindberg, stated that he had written a memo to Mr. Secretary Hoisveen in which he questioned the seriously detrimental effects of most

drainage on damaging floods and suggested that a study be conducted to determine the actual effect. After a brief discussion, it was agreed that no State Water Commission action was required at this time and it might have to be delayed for one year as it is too late to submit it to the Water Resources Research Institute. It might also be submitted to the National Science Foundation.

**CASS COUNTY DRAIN
DROP STRUCTURES
(#1063)**

Mr. Duane Breitling, Attorney, Cass County Drainage Board, stated that the majority of the drainage from northwest and southwest

of Cass County collects in the southeast two-thirds of Cass County where it spills into the Red River. The county's older drains were not constructed with drop structures and as a result a tremendous amount of erosion is now taking place. When requested to participate financially in the construction of such drop structures the State Water Commission has regarded such construction as drain improvements and contributed a maximum of 40 percent of their cost. The Cass County Drain Board is of the opinion that these drop structures should have been part of the drains' original construction and, therefore, should now be regarded as original projects rather than improvements of existing drains. Mr. Breitling requested that this be made a part of a future State Water Commission meeting's agenda and be considered at that time in more detail. The Cass County Drain Board will provide additional information upon request.

Vice Chairman Gallagher directed the State Water Commission staff to study the matter and determine the estimated related costs.

WATER PERMIT NOS.
1777, 1779, 1786,
1787, 1790, 1792,
1794, 1797, 1798,
and 1800

Secretary Hoisveen presented 10 water permits to the Commission for consideration. It was the recommendation of the State Engineer that these water permits be approved as presented.

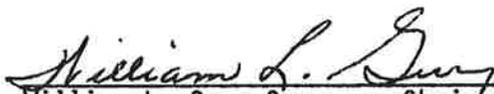
It was noted that water permit No. 1790 was approved by the State Engineer on September 7, 1971, due to the fact that the city of LaMoure requested approval following the hearing so as to begin construction of the project.

It was moved by Commissioner Hanson, seconded by Commissioner Kramer and carried that the 10 water permits be approved as presented.
(See Appendix "B")

There being no further business to come before the Commission, the meeting was adjourned at 12:35 p.m. Following lunch, the Commission participated in the groundbreaking dedication ceremonies for construction of the Sheyenne River Diversion project.


Milo W. Hoisveen, Secretary

ATTEST:


William L. Guy, Governor-Chairman

RESOLUTION 71-10-305

APPENDIX "A"

APPROVAL OF PROPOSAL FOR CONSTRUCTION
OF WATER AND SEWER SYSTEM

WHEREAS, the Southeast Cass Water Management District has presented a certain water and sewer project to the North Dakota State Water Commission, Bismarck, North Dakota, for its approval, which project provides facilities to supply water to and take raw sewage from an area between University Drive in Fargo and Interstate No. 29 generally along 13th Avenue and the extension thereof, which project will provide for the orderly development of the area and eliminate pollution and environmental problems; and

WHEREAS, approval of the State Department of Health has been received on said project; and

WHEREAS, this Commission is of the opinion that said proposal is proper and feasible.

NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Commission at its regular meeting held this 15th day of October, 1971, in West Fargo, North Dakota, that said project be and the same is hereby approved.

FOR THE NORTH DAKOTA STATE WATER COMMISSION:

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

SEAL

ATTEST:

/S/ Milo W. Hoisveen
Milo W. Hoisveen, Secretary

WATER PERMITS FOR OCTOBER 15, 1971 AGENDA

NO.	NAME AND ADDRESS	SOURCE	PURPOSE	AMOUNT REQUESTED	COMMENTS & RECOMMENDATIONS
1786	Jensen, David E. - Grenora (Divide County)	Unnamed Storage Pond, trib. to Missouri River	Irrigation	375.0 acre-feet 375.3 acres	375.0 acre-feet 375.3 acres
1790	LaMoure, City of - LaMoure (LaMoure County)	Cottonwood Creek, trib. to James River	Recreation	8076.0 acre-feet storage 1482.0 acre-feet annual use	8076.0 acre-feet storage 1482.0 acre-feet annual use <u>NOTE:</u> This permit approved by State Engineer on Sept. 7, 1971.
1792	S&S Construction Company - Moorhead, Minn. (Grand Forks County) (TEMPORARY PERMIT)	Turtle River, trib. to Red River	Industrial	12.0 acre-feet	12.0 acre-feet
1779	Bopp, Gordon - New Salem (Morton County)	Big Muddy Creek, trib. to Heart River	Irrigation- Waterspreading & Sprinkler	54.0 acre-feet 26.6 acres	26.6 acre-feet 26.6 acres
1777	Kruger, Dave - Marmarth (Bowman County)	Unnamed Intermittent Draws, trib. to Little Missouri River	Irrigation- Waterspreading	270.0 acre-feet 136.5 acres	136.5 acre-feet 136.5 acres

NO.	NAME AND ADDRESS	SOURCE	PURPOSE	AMOUNT REQUESTED	COMMENTS & RECOMMENDATIONS
1794	Harald C. Haraldson - Northwood (Grand Forks County)	Ground Water	Irrigation	548.0 acre-feet 274.7 acres	343.3 acre-feet 274.7 acres
1798	Reis, Sebastian - Napoleon (Logan County)	Ground Water	Irrigation	925.0 acre-feet 462.5 acres	Deferred pending further investigation.
1787	Hestekin, James K. - Bowman (Bowman County)	Unnamed Creek, trib. to Grand River	Irrigation- Waterspreading	67.0 acre-feet 33.5 acres	33.5 acre-feet 33.5 acres
1800	Olson, Reuben - Ray (Williams County)	Unnamed Creek, trib. to Beaver Creek and Missouri River	Irrigation- Waterspreading	61.0 acre-feet 30.9 acres	30.9 acre-feet 30.9 acres
1797	Johnson, Mervin P. - Watford City (McKenzie County)	Unnamed Creek, trib. to Bear Den Creek and Missouri River	Recreation	24.7 acre-feet storage 11.1 acre-feet annual use	24.7 acre-feet storage 11.1 acre-feet annual use

NORTH DAKOTA STATE WATER COMMISSION
 FINANCIAL STATEMENT, OCTOBER 31, 1971
 1971-73 APPROPRIATIONS

C5-1.2

	Available Funds		Disbursements		Account Balances		
	APPROPRIATION	RECEIPTS	TO DATE	OCT. '71	UNEXPENDED	ENCUMB.	UNENCUMB.
GENERAL OPERATIONS: ACCOUNT							
1001-Salaries Expense	(1)\$ 919,621.00	\$ -	\$110,565.44	\$36,384.31	\$ 809,055.56	\$ -	\$ 845,439.77
2001-Fees & Services	162,625.00	-	19,935.89	6,395.44	142,689.11	-	149,084.55
2051-Data Processing	4,500.00	-	349.45	213.67	4,150.55	-	4,364.22
3001-Supplies & Materials	163,600.00	-	13,897.85	3,664.28	149,702.15	-	153,366.43
4001-Equipment	25,000.00	-	351.45	-	24,648.55	-	24,648.55
7701-Red Basin Comm.	<u>60,000.00</u>	<u>-</u>	<u>15,149.17</u>	<u>-</u>	<u>44,850.83</u>	<u>-</u>	<u>44,850.83</u>
TOTAL GENERAL OPERATIONS	\$1,335,346.00	\$ -	\$160,249.25	\$46,657.70	\$1,175,096.75	\$ -	\$1,175,096.75
7721-WEST RIVER DIV.	\$ 100,000.00	\$ -	\$ 4,851.15	\$ 1,370.33	\$ 95,148.85	\$ -	\$ 95,148.85
CONTRACT FUND:							
336-770-Contract 'Cash' \$1,000,000							
Contract Collections 900,000	\$1,900,000.00						
Collections to Date		\$ 85,783.58					
Transfer from 001 to 336		100,000.00					
			\$181,491.99	\$124,475.02	\$1,718,508.01	\$ -	\$1,718,508.01
TOTAL CONTRACT FUND	<u>\$1,900,000.00</u>	<u>\$185,783.58</u>	<u>\$181,491.99</u>	<u>\$124,475.02</u>	<u>\$1,718,508.01</u>	<u>\$ -</u>	<u>\$1,718,508.01</u>
GRAND TOTALS	<u>\$3,335,346.00</u>	<u>\$185,783.58</u>	<u>\$346,592.39</u>	<u>\$172,503.05</u>	<u>\$2,988,753.61</u>	<u>\$ -</u>	<u>\$2,988,753.61</u>

(1) Includes \$88,550.00 Federal Grants

NORTH DAKOTA STATE WATER COMMISSION

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PAYROLL - SEPT. 1971*

<u>NAME</u>	<u>POSITION</u>	<u>REMARKS</u>	<u>GROSS</u>
HOISVEEN, MILO W.	STATE ENGINEER	INC. JULY '71	\$ 1,825.00
HUCHLER, EVA	STENOGRAPHER	RES. SEPT. '71	70.00
BAESLER, GORDON	WATER RIGHTS TECHNICIAN	INC. JULY '71	810.00
BALLIET, ALLEN	RODMAN	INC. JULY '71	535.00
CHRISTENSEN, RAYMOND	ENGR. TECHNICIAN	INC. JULY '71	820.00
DALLY, ANTOINETTE	STENOGRAPHER	INC. JULY '71	400.00
EMERSON, MATT	ASSISTANT SECRETARY	INC. JULY '71	1,145.00
FROELICH, LARRY	GEOLOGIST	INC. JULY '71	965.00
GALLAGHER, RICHARD	COMMISSIONER	STA. JULY '61	4.00
GEHRING, OSCAR	LAB TECHNICIAN	INC. JULY '71	625.00
GRAY, GORDON	COMMISSIONER	STA. JULY '70	6.00
GRINDBERG, ALAN	ASST. CHIEF ENGINEER	INC. JULY '71	1,550.00
GRUNSETH, ARLAND	INVESTIGATIONS ENGINEER	INC. JULY '71	1,090.00
HANSON, HAROLD	COMMISSIONER	STA. JULY '65	2.00
HANSON, WILLIAM	DRAFTSMAN	INC. JULY '71	525.00
HEUPEL, MILTON	CONSTRUCTION ENGINEER	INC. JULY '71	1,175.00
HOETZER, STEVE	DESIGN ENGINEER	STA. AUG. '71	850.00
JACOBSON, HUGH	ASSISTANT DRILLER	INC. JULY '71	565.00
JOCHIM, CLIFFORD	ATTORNEY	INC. JULY '71	1,285.00
JUNGROTH, JAMES	COMMISSIONER	STA. SEPT. '67	1.00
KEATOR, LESTER	SOILS TECHNICIAN	RES. SEPT. '71	682.00
KLEINGARTNER, TIMOTHY	DRAFTSMAN	STA. AUG. '71	475.00
KLING, THOMAS	SOILS TECHNICIAN	STA. SEPT. '71	105.00
KNOLL, JAMES	OPERATOR	INC. JULY '71	590.00
KNUTSON, LEWIS	DRILLER	INC. JULY '71	745.00
KOCH, KAY	ACCOUNTANT	INC. JULY '71	300.00
KOTTSICK, ROSALIE	STENOGRAPHER	INC. JULY '71	355.00
KRAMER, ALVIN	COMMISSIONER	STA. APR. '70	1.00
LINDVIG, MILTON	GROUND-WATER ENGINEER	INC. JULY '71	1,200.00
LOCKEN, SHARON	CHIEF STENOGRAPHER	INC. JULY '71	615.00
MEES, LADARANA	FIELD ENGINEER	INC. JULY '71	840.00
MELVIN, RICHARD	FIELD TECHNICIAN	RES. SEPT. '71	160.00
MURI, GARVIN	CHEMIST	INC. JULY '71	890.00
NAPLIN, CHARLES	GEOLOGIST	INC. JULY '71	915.00
NEAL, DEAN	LAB TECHNICIAN	STA. SEPT. '71	36.00
NELSON, C. P.	DRAINAGE ENGINEER	INC. JULY '71	1,140.00
OHNSTAD, DONALD	PLANNING ENGINEER	INC. JULY '71	1,060.00
PUTZ, ROY	OFFICE ASSISTANT	INC. JULY '71	500.00
SACKMAN, EUGENE	SURVEYOR	INC. JULY '71	750.00
SCHMID, ROGER	GROUND-WATER HYDROLOGIST	INC. JULY '71	1,070.00
SCHULZ, DELTON	OFFICE ENGINEER	INC. JULY '71	1,290.00
SCOTT, LLOYD	CHIEF DRAFTSMAN	INC. JULY '71	745.00
SIEMS, MYRNA	STENOGRAPHER	INC. JULY '71	340.00
SPEAKS, GLENN	OPERATOR	INC. JULY '71	610.00
SWANSON, RONALD	PROJECT ENGINEER	INC. JULY '71	1,050.00
THOMAS, NELDA	DIR. OF INFORMATION	STA. APR. '71	800.00
TILLOTSON, ANN	RESEARCH ASSISTANT	INC. JULY '71	475.00
ULRICH, ROGER	RODMAN	INC. JULY '71	490.00
WALTERSON, HOWARD	CONSTRUCTION SUPT.	INC. JULY '71	770.00
WELCH, CYNTHIA	OJT STENO	STA. SEPT. '70	300.00
WERNER, ROBERT	DRAFTSMAN	INC. JULY '71	500.00
SWC GROUP INS. - 39			292.50
SWC RET-MATCHING			1,105.60
OASIS			72.23
SOCIAL SECURITY			866.98
			<u>\$36,384.31</u>

*Pd. in Oct.

NORTH DAKOTA STATE WATER COMMISSION

OBJECT BUDGET COMPARISON
1971-1973 BIENNIUMNovember 15, 1971
SWC File C5-1.4

OBJ. CODE	OBJECT DESCRIPTION	Oct. 1971 EXPEND.	July 1, '71 Oct. 31, '71 EXPEND.	BUDGET	EXP. % of BUDGET TIME	
					STD. 16.6 % SAL. STD. 12.5%	
1000	Salaries	\$34,047.00	\$101,925.90	\$840,121.00		12%
1820	OASIS	72.23	269.52	4,400.00		6%
1830	Social Security	866.98	3,032.61	34,000.00		9%
1840	Hospital Insurance	292.50	862.50	7,500.00		11%
1850	Workmen's Compensation	-	1,131.51	3,600.00		31%
1880	State Retirement	1,105.60	3,343.40	30,000.00		11%
	TOTAL SALARIES AND WAGES	\$36,384.31	110,565.44	\$919,621.00(1)		12%
2110	Meals & Lodging	2,781.36	9,812.41	77,325.00		12%
2120	Personal Vehicle Mileage	323.84	1,332.48	8,000.00		16%
2130	Comm. Transportation	534.50	1,591.06	12,000.00		13%
2150	Misc. Travel	65.96	259.42	3,000.00		8%
2210	Water-Garbage	5.40	32.60	300.00		10%
2220	Natural Gas	3.00	16.96	1,000.00		1%
2230	Electricity	17.52	29.58	900.00		3%
2310	Rental - Equipment	25.00	116.59	2,500.00		4%
2360	Rent - Bldg. Space	10.00	20.00	500.00		4%
2410	Postage	207.92	549.62	4,000.00		13%
2420	Telephone	-	706.96	5,000.00		14%
2510	Repair Equipment	139.15	735.02	12,000.00		6%
2513	Maintenance Contracts	608.28	1,439.46	4,000.00		35%
2600	Repair Buildings & Grounds	-	-	1,000.00		-
2612	Legal Fees	-	-	1,000.00		-
2613	Audit Fees	-	197.63	500.00		39%
2614	Engineering Fees	54.00	99.00	2,500.00		3%
2618	Data Processing	-	123.32	150.00		82%
2650	Consulting Fees	-	-	1,500.00		-
2682	Photographer Fees	182.83	949.02	6,000.00		15%
2699	Misc. Professional Fees	1,315.00	1,324.00	12,000.00		11%
2720	Property Insurance	-	-	700.00		-
2730	Liability Insurance	-	-	900.00		-
2911	Radio-Newspaper Fees	-	10.72	300.00		4%
2912	Rewards-Premiums	-	-	500.00		-
2914	License & Taxes	-	-	700.00		-
2915	Dues	110.00	110.00	2,000.00		1%
2916	Freight	11.70	123.24	1,500.00		8%
2999	Miscellaneous	-	356.80	850.00		4%
	TOTAL FEES AND SERVICES	\$6,395.44	\$19,935.89	\$162,625.00		12%
2618	Data Processing	213.67	349.45	4,500.00		7%
	TOTAL DATA PROCESSING	\$ 213.67	\$ 349.45	\$ 4,500.00		7%
3100	Office Supplies	596.48	2,178.09	19,000.00		11%
3110	Data Processing Supplies	-	-	200.00		-
3120	Printing	-	357.20	20,000.00		1%
3130	Books, Maps, Subscriptions	28.90	335.70	5,000.00		6%

OBJ. CODE	OBJECT DESCRIPTION	Oct. 1971 EXPEND.	July 1, '71 Oct. 31, '71 EXPEND.	SAL. STD. 12.5% BUDGET	EXPEND. % OF BUDGET (STD. 16.6) **
3132	Films	\$ 206.89	\$ 669.72	\$ 3,400.00	19%
3600	Hardware & Bldg. Supplies	513.85	2,731.93	50,000.00	5%
3700	Petroleum Supplies	1,660.29	4,354.13	35,000.00	12%
3800	Equipment Repair Parts	642.27	3,255.48	29,000.00	11%
3959	Miscellaneous	15.60	15.60	2,000.00	1%
	TOTAL SUPPLIES & MATERIALS	<u>\$3,664.28</u>	<u>\$ 13,897.85</u>	<u>\$163,600.00</u>	<u>8%</u>
4100	Office Equipment	\$ -	\$ -	\$ 1,500.00	-
4300	Motor Vehicles	-	-	23,000.00	-
4400	Machines & Equipment	-	351.45	500.00	70%
	TOTAL EQUIPMENT	<u>\$ -</u>	<u>\$ 351.45</u>	<u>\$ 25,000.00</u>	<u>1%</u>
7701	Basins Commission	\$ -	\$ 15,149.17	\$ 60,000.00	25%
7721	Missouri River Diversion	1,370.33	4,851.15	100,000.00	4%
	TOTAL GENERAL OPER. APPROP.	\$48,028.03	\$165,100.40	\$1,435,346.00	11%
5500	Contract Payments	124,475.02	181,491.99	1,900,000.00(2)	9%
	TOTAL STATE WATER COMM. BUDGET	<u>\$172,503.05</u>	<u>\$346,592.39</u>	<u>\$3,335,346.00</u>	<u>10%</u>

(1) Appropriation \$831,071.00
 Federal Grant 88,550.00
\$919,621.00

(2) Appropriation \$1,000,000.00
 Est. Contract
 Fund Collection 900,000.00
\$1,900,000.00

4/24 months = 16.6 percent biennium elapsed

Dist.
 Comm.
 MWH
 AIG
 ME
 KK

NORTH DAKOTA STATE WATER COMMISSION*****FUNCTION SUMMARY FOR MONTH ENDING 10/31/71

FUNCTION NUMBER AND DESCRIPTION	CURRENT COST	COST TO DATE	PERCENT	BUDGE
100 ADMINISTRATIVE AND LEGAL	\$ 3,878.47	\$ 13,292.90	10.6 %	\$ 125,346.
100 COMPREHENSIVE PLANNING	\$ 8,485.45	\$ 53,308.85	10.7 %	\$ 500,000.
101 ENGINEER, INVESTIGATION, RESEARCH, SURVEY & DESIGN	\$ 3,016.46	\$ 19,258.99	19.3 %	\$ 100,000.
102 METES & BOUNDS SURVEYS	\$.00	\$.00	.0 %	\$ 10,000.
103 TEST BORINGS AT PROJECT SITES	\$.00	\$ 1,020.79	10.2 %	\$ 10,000.
104 SOIL ANALYSIS	\$ 429.10	\$ 1,059.73	3.5 %	\$ 30,000.
105 HYDROLOGIC STUDIES	\$.00	\$.00	.0 %	\$ 30,000.
106 DESIGN	\$ 3,679.06	\$ 14,432.17	17.0 %	\$ 85,000.
107 RESEARCH	\$ 151.53	\$ 151.53	1.0 %	\$ 15,000.
110 REPORT PUBLICATION	\$ 55,000.00	\$ 55,000.00	366.7 %	\$ 15,000.
111 GROUND WATER SURVEY-PRE PLANNING	\$ 633.71	\$ 2,631.09	9.7 %	\$ 27,000.
112 GROUND WATER SURVEY-WATER RECORD	\$.00	\$.00	.0 %	\$ 5,000.
113 GROUND WATER SURVEY-GEOLOGICAL STUDIES	\$.00	\$.00	.0 %	\$ 3,000.
114 GROUND WATER SURVEY-SUBSURFACE EXPLORATION	\$ 21,420.72	\$ 81,323.85	32.5 %	\$ 250,000.
115 GROUND WATER SURVEY-QUALITY OF WATER WORK	\$ 3,630.00	\$ 12,771.00	25.5 %	\$ 50,000.
116 GROUND WATER SURVEY-AQUIFER TEST & SPECIAL INV	\$ 1,385.10	\$ 19,587.05	19.6 %	\$ 100,000.
117 GROUND WATER SURVEY-DATA COMPILATION & ANALYSIS	\$ 671.55	\$ 1,421.75	14.2 %	\$ 10,000.
118 GROUND WATER SURVEY-RPT PREP & REVIEW	\$.00	\$ 1,029.60	6.9 %	\$ 15,000.
119 GROUND WATER SURVEY-SPECIAL INVESTIGATIONS	\$ 2,878.19	\$ 14,071.65	14.1 %	\$ 100,000.
120 COOPERATIVE SURVEYS-GRND WATER, SUR WATER & TOPOG.	\$.00	\$.00	.0 %	\$ 375,000.
101 CONSTRUCTION-DAMS & RELATED APPURTENANCES	\$ 70,638.95	\$ 107,899.60	12.0 %	\$ 900,000.
102 CONSTRUCTION-RECREATION FACILITIES	\$ 49.50	\$ 1,504.30	1.4 %	\$ 110,000.
103 CONSTRUCTION-IRRIGATION FACILITIES	\$.00	\$.00	.0 %	\$ 10,000.
104 CONSTRUCTION-FLOOD CONTROL	\$ 6,792.10	\$ 8,030.54	8.0 %	\$ 100,000.
105 CONSTRUCTION-PILOT WELLS	\$.00	\$.00	.0 %	\$ 10,000.
101 OP & MAINT-DAMS & RELATED APPURTENANCES	\$ 1,795.64	\$ 8,731.68	3.9 %	\$ 225,000.
102 OP & MAINT-RECREATION FACILITIES	\$.00	\$.00	.0 %	\$ 5,000.
103 OP & MAINT-IRRIGATION FACILITIES	\$.00	\$.00	.0 %	\$ 5,000.
104 OP & MAINT-FLOOD CONTROL	\$ 27.50	\$ 3,978.78	3.5 %	\$ 115,000.

Should be coded #320

TOTALS \$ 184,557.03 \$ 420,503.65 12.6 % \$3,335,346.

Send
Comm
mwh
ALB
DRE
DRC

* includes 21,406.13 prior expenditures made in July '71 from '69-'71 appropriation