

MINUTES
 NORTH DAKOTA STATE WATER COMMISSION
 Held in North Dakota State University
 Fargo, North Dakota
 November 1, 1968

MEMBERS PRESENT:

Richard P. Gallagher, Vice Chairman, Mandan
 James R. Jungroth, Member from Jamestown
 Russell Dushinske, Member from Devils Lake
 Harold Hanson, Member from New England
 Milo W. Hoisveen, State Engineer, Chief Engineer and Secretary,
 State Water Commission, Bismarck

Others Present:

Alan Grindberg, Assistant Chief Engineer, State Water Commission, Bismarck
 Dr. Dale Anderson, Director, Water Resources Research Institute, Fargo
 Dr. Thor Hertzgaard, Department of Agricultural Economics, Fargo
 T. D. Savageau, Commissioner, Cass County, Fargo
 Al Cousins, Cass County Engineer, Fargo
 Gordon Gray, Chairman, Souris-Red-Rainy River Basins Commission, Moorhead
 Peter Odegard, Planning Director, Souris-Red-Rainy River Basins
 Commission, Moorhead

MINUTES OF MEETING OF
 SEPTEMBER 23, 1968
 APPROVED

Commissioner Dushinske moved that the minutes of the meeting of September 23, 1968, be approved as circulated. Commissioner Hanson seconded. All

members voted aye.

FINANCIAL STATEMENTS
 September and October
 1968

Commissioner Hanson moved that the financial statements for September and October, 1968, be approved as circulated. Commissioner Dushinske seconded. All

members voted aye.

GOLDEN LAKE DRAINAGE
 PROBLEM (SWC #475)

Secretary Hoisveen read a letter which had been received from Mr. George Brunsdale, Mayville. Generally, the

letter stated that a drainage problem had been caused by seepage from Golden Lake and that the local farmers were intending to take legal action if the problem was not corrected by the Water Commission. Mr. Hoisveen reported that the attorney for the Water Commission has written a letter to the local people and that the next move is up to them. The letter generally followed the lines of a report by the engineering staff which indicated that the drainage problem was the result of surface waters collecting in the area and did not result from seepage from Golden Lake.

TOPOGRAPHIC MAPPING
 (SWC #1394)

Secretary Hoisveen reported that there will be about 20 quadrangles which will be needed for the coal field studies in

western North Dakota. These will be mapped by the U. S. Geological Survey under the cooperative mapping program. The cost to the State Water Commission would be approximately \$40,000.

Commissioner Jungroth moved that the State Water Commission contract with the U. S. Geological Survey to secure the necessary mapping in western North Dakota. Commissioner Hanson seconded. All members voted aye.

**COOPERATIVE SURFACE
WATER PROGRAM (SWC #1393)**

Secretary Hoisveen stated that the cooperative surface water program is continued on a year to year basis. It

consists of stream gaging stations throughout the State and the annual cost to the Water Commission is \$30,000.

Commissioner Hanson moved that the State Water Commission continue to participate in the cooperative surface water program with the U. S. Geological Survey and that \$30,000 be authorized to be expended for this program. Commissioner Dushinske seconded. All members voted aye.

**COOPERATIVE GROUND-WATER
PROGRAM (SWC #1395)**

Secretary Hoisveen stated that the Water Commission has cooperated with the U. S. Geological Survey on a ground-

water program which is also run on a year to year basis. The cooperative agreement calls for the expenditure of State Water Commission funds in the amount of \$188,926 in the next year.

Commissioner Dushinske moved that the Water Commission expend \$188,926 in cooperation with the U. S. Geological Survey to continue the ground-water program. Commissioner Jungroth seconded. All members voted aye.

BROWN DAM (SWC #459)

Brown Dam is a CCC dam constructed during the 1930's which is now in need of

repair. It is a channel dam on the Sheyenne River. The Barnes County Water Management District desires to have this dam repaired and will pay 50 per cent of the cost if the Water Commission will cooperate and pay the other 50 per cent. The landowner will dedicate a wooded area for a park which will be developed by the County Park Board. The total cost of the repairs is estimated to be \$22,000 of which the State Water Commission's share will be \$11,000.

Commissioner Jungroth moved that the Water Commission participate in the repair of Brown Dam in the amount of 50 per cent of the cost. Commissioner Hanson seconded and all members voted aye.

TOLNA DAM (SWC #266)

Tolna Dam was built during the 1930's and is located adjacent to the town of

Tolna. It is primarily for recreational purposes and is now badly in need of repair. The local water management district and the State Game and Fish Department have not yet made any commitment to share in the repair costs. The total estimated cost of repair is \$33,600. Hoisveen informed the Commission that if this present structure washes out it would require at least \$120,000 to replace it.

Commissioner Dushinske moved that the State Water Commission participate in the repair of Tolna Dam to the extent of 50 per cent, not to exceed \$16,800. Commissioner Hanson seconded and all members voted aye.

MISSISSIPPI VALLEY
ASSOCIATION DUES

In the past the State Water Commission has paid \$300 per year dues to the Mississippi Valley Association. This year the Water Commission has received a bill for \$565. Hoisveen informed the Commission that the Water Users has also had a request for an increase in dues. The Water Users stated they felt North Dakota had been contributing enough and were not going to pay the extra amount. The same is true of the Garrison Diversion Conservancy District.

It was moved by Commissioner Dushinske, that the State Water Commission inform the Mississippi Valley Association that \$300 is all that is budgeted and they feel that \$300 is all that is justified, and therefore the Water Commission dues which are to be paid will be \$300, the same as before. Seconded by Jungroth, all members voted aye.

CASS COUNTY DRAIN #14
(SWC #1070)

Cass County Drain #14 is an old drain on which some work was done 18 years ago; however, the work which is intended at this time will result in flatter slopes and increased hydraulic efficiency. The State Water Commission's share of qualified items amounts to \$8,162.40.

Commissioner Jungroth moved that the State Water Commission participate in the amount of 40 per cent which will be \$8,162.40. Commissioner Dushinske seconded and all members voted aye.

PEMBINA COUNTY DRAIN #38
(SWC #1154)

Pembina County Drain #38 is an older drain which is now being reconstructed with considerable hydraulic improvement. The new slopes will now be 4:1 and other hydraulic characteristics are also to be improved.

Commissioner Dushinske moved that the State Water Commission participate in the reconstruction of Pembina County Drain #38 in the amount of 40 per cent of the total cost of \$3,928.49. Commissioner Hanson seconded, all members voted aye.

LINTON FLOOD CONTROL
(SWC #558)

Secretary Hoisveen read a resolution from the City of Linton which requests the Water Commission to give the Corps of Engineers the necessary assurances and to assist the City of Linton in paying the local share of the flood control project which the Corps of Engineers plan on installing at Linton. It was pointed out that the State Water Commission has, in the past, given the a.b.c assurances for the cities who are legally unable to do so. It was also mentioned that generally the State Water Commission has paid 50 per cent of the local costs.

Commissioner Hanson moved that the State Water Commission furnish the necessary a,b,c, assurances for the Linton Flood Control project, and share 50 per cent of the local costs in an amount not to exceed \$7,500. Seconded by Commissioner Dushinske. All members voted aye.

PARK RIVER FLOOD
CONTROL PROJECT
(SWC #982)

A meeting was held at Grafton at which the principal landowners involved in the proposed Corps of Engineers' dam in the upper 'Park River area were

present. Mr. Hoisveen read a letter from the Corps of Engineers which requested that the State Water Commission give assurances similar to those which were given for Kindred Dam.

Commissioner Dushinske moved that the Commission give the following assurances: that based on previous actions of the Commission and the powers invested in the Commission, subject to the procuring of funds from future legislatures, the Commission would agree to sponsor the Park River Flood Control Project as outlined by the Corps of Engineers and would secure the necessary commitments prior to development. Seconded by Commissioner Hanson and all members voted aye.

COOPERATIVE RESEARCH
PROGRAMS (SWC #1403)

Dr. Anderson and Dr. Hertsgaard presented a discussion of the cooperative economic research programs which are

being conducted at the North Dakota State University. These programs are cooperative projects between the Water Resources Research Institute, the Department of Agricultural Economics and the State Water Commission. Dr. Anderson stated that the bulk of the work was contained in the Appendix to the State Water Plan on the economic analysis of irrigation in North Dakota. What he had attempted to do in this work was to look at the amount of private development which might take place, which resulted in an estimate of three million acres which he felt might be conservative. The next part of the study will be to measure the secondary impact that these benefits may have on the economy of North Dakota. The study so far has been concerned with primary benefits. Dr. Anderson discussed the method of conducting the study and presented figures which were indicative of the impact that irrigation will have on the economy of North Dakota.

Dr. Hertsgaard stated that the increases in income which Dr. Anderson's report showed were, first income to the farmer and the question which remains unanswered in this first part is, what is the multiplier effect of this increased income. Studies so far show that it is generally about three. This figure is based on a study which was conducted in the Dickinson area in 1965. Additional income was broken down into each type of expenditure.

Dr. Anderson's increased income figures were given as net, so cost must be added before breaking it down and using multipliers. The figures are then taken times the multiplier developed for each type of business. Dr. Anderson stated that the department applied a test to the theoretical figures and compared this with the census figures. The margin of error was 5 per cent state-wide and in a test of 12 trade areas, 10 of them had an error of less than 10 per cent and the error in the other two was easily explainable. Dr. Anderson stated that besides the work in economics

which is going on, the experiment station, the Water Resources Research Institute and the U. S. Fish and Wildlife Service are doing research on the correlative relationship of soils in Types III and IV Wetlands. This is being done by the State University Soils Department. Upon questioning, Dr. Hertsgaard stated that a project which would measure the economic impact of irrigation in North Dakota on the economy of Minneapolis-St. Paul would be a very difficult job and it would be hard to develop even a rough estimate.

**SHEYENNE RIVER SNAGGING
AND CLEARING PROJECT
(SWC #568)**

Mr. T. E. Savageau, Cass County Commissioner, appeared before the Commission. Mr. Savageau stated that the Sheyenne River through West Fargo and north had been cleared some years ago but the county has been unable to keep up with the work on the river. The County is, therefore, now forced to ask the Water Commission for help. The river from West Fargo to its mouth is 22 miles long. There are many places where snagging and clearing is necessary. It is estimated that a complete job of snagging and clearing, which would include removal of the trees at the top of the river bank, would cost approximately \$1,250 a mile or a total of about \$27,500. It is also estimated that it would cost about \$12,000 to do a job of spot clearing where the snags are the worst. Mr. Savageau stated that the County has a crew which they keep on during the winter and which could be used for this snagging and clearing work. It was suggested that if the county does use its crews in this manner that the landowner adjacent be also used to be sure the work completed is satisfactory to him. It was decided that action on this item should be delayed and taken up at the next meeting, at which time the State Engineer is to have a more definite recommendation.

**LAKE ALICE INLET PROBLEM
(SWC #416)**

The Chain Lakes Water Management District has requested the participation of the State Water Commission in a ditch two miles long at the upper end of Lake Alice. It is proposed that this ditch, which is at the Mauvais Coulee outlet, be constructed to avoid water spilling onto private land. The ditch estimated was a 40 foot bottom, two miles long and the estimated cost is \$67,000. It was pointed out that only two to three landowners are involved and it is much cheaper, perhaps, to buy the land. Also, this is a considerable amount of money to pay for protecting one or two landowners. Action is to be deferred until the next meeting and the State Engineer is directed to give the problem further study in the interim.

**MISSOURI RIVER BANK
EROSION STUDY
(SWC #576)**

At the suggestion of several of the Commissioners, a study has now been initiated to conduct a study of the complete problem of bank erosion on the Missouri River. Previously, protection work has been done on a piecemeal basis and only those areas which have the highest benefit-to-cost ratio have been protected. As a result the benefit-cost ratio for the entire project may be injured. Therefore, the entire segment should be considered as a unit.

Commissioner Jungroth moved that the State Water Commission endorse the action of initiating such a study and authorize all necessary expenditures to complete it.
Commissioner Dushinske seconded and all members voted aye.

HATTON DAM (SWC #1425)

The City of Hatton has been granted a loan from the Farm Home Administration in the amount of \$333,000 for the purpose of constructing a municipal water supply which is more certain than the one they have. Their present wells are overdrafting the aquifer and water levels have been dropping at the rate of five feet per year. The proposal is to construct two channel dams on the Goose River approximately six miles from the town. The estimated cost of these dams is approximately \$100,000. The City of Hatton has requested the State Water Commission to share in the cost of these dams in the amount of \$50,000. It was pointed out that the City of Hatton is not certain that they will go ahead at this time but want to find out where they stand financially before making a final decision.

Commissioner Jungroth moved that the State Water Commission participate in the construction of the Hatton water supply dam in the amount of \$50,000. Seconded by Commissioner Dushinske and all members voted aye.

ANTELOPE CREEK SNAGGING AND CLEARING (SWC #988)

The Richland County Water Management District has requested State Water Commission participation in the snagging and clearing of Antelope Creek. The estimated cost of this work is \$22,000 with the State Water Commission's share being \$8,800.

Commissioner Hanson moved that the State Water Commission participate in the snagging and clearing of Antelope Creek in the amount of \$8,800 on the condition that the South Branch be improved as a part of the eventual completion of Richland County Drain #66. Commissioner Jungroth seconded and all members voted aye.

BANK STABILIZATION POWER PLANT AREA (SWC #576)

The Corps of Engineers, Omaha District, is now ready to call for bids on bank stabilization in the area of the power plants near Stanton. Before this work can proceed it is necessary that the easements be turned over to the Corps of Engineers.

Commissioner Hanson moved that the State Water Commission accept the easements from Mercer County and authorize Secretary Hoisveen to grant the necessary easements to the United States Government. Commissioner Dushinske seconded, and all members voted aye.

(See Appendix A for Resolution)

**WATER RIGHTS
1593, 1595-1602
(See Appendix B)**

water permits be approved.

Secretary Hoisveen presented nine water permits to the Commission for consideration. It was the recommendation of the State Engineer that these

It was moved by Commissioner Dushinske, seconded by Commissioner Hanson and carried that the conditional permits be approved, subject to such conditions as indicated on the permit.

#1586 and #1594

Water Permit #1586, Gerald Dewitz, Tappen, and Water Permit #1594, Tappen,

be deferred pending further investigation.

Respectfully submitted,

Milo W. Hovis
Secretary

ATTEST:

William L. Gany
Governor-Chairman

APPENDIX A

RESOLUTION 68-11-258

WHEREAS the United States Corps of Engineers has submitted to the North Dakota State Water Commission plans and specifications for bank stabilization on the banks of the Missouri River in the vicinity of Sections 15, 16, 22 and 23, Township 144 North, Range 84 West, Mercer County, North Dakota, and made formal request for rights-of-way as contained in drawing numbered MGOC5-2E1, September, 1968, and

WHEREAS the North Dakota State Water Commission has approved and adopted said plans and specifications and has acquired from the Board of Commissioners, Mercer County Water Management District, the easements for the construction of the river-bank protection project as set forth in drawing numbered MGOC5-2E1, September, 1968; Now, therefore, be it

RESOLVED by the North Dakota State Water Commission that it does hereby grant, give and convey to the United States Government, its contractors and agents, the right and permission to enter in and upon said lands for the purpose of construction of the river-bank protection project, as designated on the rights-of-way maps designed as drawing numbered MGOC5-2E1, September, 1968, prepared by the U. S. Corps of Engineers and approved by said North Dakota State Water Commission.

Dated this 12th day of November, 1968.

NORTH DAKOTA STATE WATER COMMISSION
By:

s/ Milo W. Hoisveen
Secretary and Chief Engineer

ATTEST:

s/ Cliff Jochim
Special Assistant Attorney General

WATER RIGHTS FOR NOVEMBER 1, 1968 AGENDA

No.	Name and Address	Source	Purpose	Amount Requested	Comments and Recommendations
1586	Gerald Dewitz Tappen	Underground Sources	Irrigation	680 acre-feet 453.4 acres	DEFERRED pending further investigation
1593	Walter Yourk Fairfield	Unnamed Intermittent Draw trib. Little Missouri River	Recreation (fish pond)	38.5 acre-feet storage plus 11.1 acre-feet annually	38.5 acre-feet plus 11.1 acre-feet annual use
1594	Edwin Dewitz Tappen	Underground Sources	Irrigation	1975 acre-feet 1317.2 acres	DEFERRED pending further investigation
1595	Willard Olson Tioga	Unnamed Coulee trib. Beaver Creek and Garrison Reservoir	Recreation, Fish and Wildlife	270 acre-feet storage plus 81 acre-feet annually	270 acre-feet storage plus 81 acre-feet annually

Water Permits - Page 2

No.	Name and Address	Source	Purpose	Amount Requested	Comments and Recommendations
1596	City of Columbus	Underground Sources	Municipal	1600 acre-feet	250 acre-feet
1597	Mary College Bismarck	Apple Creek(back- water from Missouri R. and Oahe Reservoir	Irrigation	30.6 acre-feet 15.3 acres	30.6 acre-feet 15.3 acres
1598	S & S Construction Moorhead	Sheyenne River	Industrial	10 acre-feet	10 acre-feet
1599	Pete B, Tishmack Shields	Unnamed Creek trib. Cannonball River	Irrigation (Waterspreading)	346 acre- ceet 173 acres	173 acre-feet 173 acres
1600	Harold Leavitt Mohall	Unnamed stream trib. Souris River	Recreation - Stockwater	16.4 acre-feet storage 6 acre-feet annual use	16.4 acre-feet storage 5.8 acre-feet annually

Water Permits - Page 3

No.	Name and Address	Source	Purpose	Amount Requested	Comments and Recommendations
1601	Jessie Fandrick Bowman	Unnamed Intermittent Creeks trib. North Fork, Grand River	Waterspreading	130.2 acre-feet 65.1 acres	65.1 acre-feet 65.1 acres
1602	CITY OF WING Wing	Underground sources	municipal	160 acre-feet	160 acre-feet

NORTH DAKOTA STAT. WATER COMMISSION
 FINANCIAL STATEMENT - November 30, 1968
 1967-1969 APPROPRIATIONS

GENERAL OPERATIONS: ACCOUNT	Available Funds		Disbursements		Account Balances		
	APPROPRIATION	RECEIPTS	TO DATE	NOVEMBER '68	UNEXPENDED	ENCUMB.	UNENCUMB.
1007-Salaries Expense \$642,269.00	<u>73,700.00</u>	\$ -	\$509,235.21	\$29,495.70	\$206,733.79#	\$ -	\$206,733.79#
2007-Fees & Services	126,000.00	-	91,269.35	5,884.05	34,730.65	-	34,730.65
3007-Supplies & Materials	145,000.00	-	94,393.30	2,946.97	50,606.70	-	50,606.70
4007-Equipment	35,000.00	-	28,178.78	426.85	6,821.22	5,150.40	1,670.82
7707-Red Basin Comm.	95,000.00	-	85,270.11	168.40	9,729.89	-	9,729.89
TOTAL GENERAL OPERATIONS	\$1,116,969.00		\$808,346.75	\$38,921.97	\$308,622.25	\$ 5,150.40	\$313,772.65
CONTRACT FUND:							
001-770-Contract "Approp."	\$ 665,923.00	\$ -	\$145,923.00	\$ -	\$520,000.00	\$335,543.93	\$184,456.07
Carryover to 1969-1971	180,000.00	-	-	-	180,000.00	180,000.00	-
336-770-Contract "Cash"	443,646.46	597,396.27	1,137,523.66*	75,388.22	49,442.07	49,442.07	-
Transfer from 001 to 336	-	145,923.00	-	-	-	-	-
TOTAL CONTRACT FUND	\$1,289,569.46	\$743,319.27	\$1,283,446.66*	\$75,388.22	\$749,442.07	\$564,986.00	\$184,456.07
GRAND TOTALS	\$2,406,538.46	\$743,319.27	\$2,091,793.41	\$114,310.19	\$1,058,064.32	\$570,136.40	\$498,228.72

* \$73,700 transfer to Salaries & Wages from Contract Fund. Included as Disbursement in Col. 3 - Disb. to Date - Fund 336-770

‡ Additional \$18,450.00 due from WRC for Planning Grants

NORTH DAKOTA SURFACE WATER COMMISSION
 STATUS OF CONSTRUCTION BOND GUARANTEE FUND
 AS OF NOVEMBER 30, 1968

ACCOUNT	Available Funds		Disbursements		Account Balances		
	APPROPRIATION	RECEIPTS*	TO DATE	NOV., '68	UNEXPENDED	ENCUMB.	UNENCUMB.
535-770-CONST. BOND GUAR.	\$ 90,000.00	\$30,620.54	\$30,120.54	\$ -	\$90,000.00	\$ -	\$ 90,000.00
0500 INVESTMENT PRIN.	15,000.00	.00	500.00	-	14,500.00	-	14,500.00
	\$105,000.00	\$30,620.54	\$30,620.54	-	\$104,500.00		\$104,500.00

NOTE - FUND #535-770 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 #535-770 WERE MADE DURING THE EARLY 1940's IN ACCORDANCE WITH SECTION 61-02-56 OF THE CENTURY CODE WHICH PROVIDES THAT THE COMMISSION MAY GUARANTEE OR INSURE OR AGREE TO PAY THE INTEREST ON AND PRINCIPAL OF COMMISSION REVENUE BONDS NOT EXCEEDING 20% OF THE PAR VALUE OF ANY SUCH BONDS.

SCHEDULE OF BONDS & INTEREST RECEIVABLE - FUND #535-770

<u>TYPE</u>	<u>DUE DATE</u>	<u>INTEREST RATE</u>	<u>INTEREST RECEIVABLE TO MATURITY</u>	<u>PRINCIPAL</u>	<u>TOTAL INCOME ANTICIPATED</u>
U.S. TREASURY BONDS	12-68	2.50%	\$ 37.50	\$ 3,000	\$ 3,037.50
SIOUX IRRIGATION DIST. BONDS	1984 SERIALY	2.25%	2,868.75	11,500	14,368.75
			\$2,906.25	\$14,500	\$17,406.25

 (EXCESS OVER \$90,000 CASH IN FUND #535-770 TO BE CREDITED TO GENERAL FUND. 1/2/58 ATTORNEY GENERAL'S OPINION.)

Receipts:	* RETIREMENT OF BONDS	\$17,500.00	
	INTEREST ON BONDS	8,988.55	
	SINKING FUND CASH	4,131.99	
		\$30,620.54	

* ACCUMULATION OF RECEIPTS TO BOND GUARANTEE FUND SINCE FUND CREATED IN 1939.

NORTH DAKOTA STATE WATER COMMISSION

PAYROLL - NOVEMBER 1968

NAME	POSITION	REMARKS	GROSS	W/TAX	S.S.	INS.	RET.	NET
HOISVEEN, MILO W.	STATE ENGINEER	INC. JUNE '67	1,525.00	277.80	-	17.45	61.00	1,168.75
ANDERSON, KAREN	STENO	INC. JAN '68	390.00	60.40	17.16	16.95	15.60	279.89
BAESLER, GORDON	DRAFTSMAN	INC. JAN'68	650.00	78.80	28.60	17.45	26.00	499.15
BALLIET, ALLEN	RODMAN	INC. JAN'68	405.00	31.90	17.82	17.45	16.20	321.63
CHRISTENSEN, RAY	ENGR AID	INC. JAN'68	565.00	83.90	24.86	16.95	22.60	416.69
DIEDE, JANE	STENO	INC. JAN'68	340.00	46.60	14.96	3.95	13.60	260.89
DONALDSON, DAVID	GW TECH	INC. JAN'68	475.00	72.70	20.90	3.95	19.00	358.45
DUSHINSKE, RUSSELL	COMMISSIONER	STA. JULY'65	30.00	-	1.32	-	-	28.68
EMERSON, MATT	WR ENGR	INC. DEC'68	825.00	120.30	8.80	17.45	33.00	645.45
FROELICH, LARRY	GW GEOL	INC. JAN'68	790.00	128.00	-	16.95	31.60	613.45
FROEMMING, DALE	OPERATOR	INC. JAN'68	495.00	77.10	21.78	4.20	19.80	372.12
GALLAGHER, RICHARD	COMMISSIONER	STA. JULY'61	30.00	-	1.32	-	-	28.68
GLOVER, DALE	HYDROLOGIST	INC. AUG'68	955.00	225.00	-	-	38.20	691.80
GRINDBERG, ALAN	ASST ST ENGR	INC. JAN'68	1,170.00	185.80	-	16.95	46.80	920.45
GRUNSE TH, ARLAND	INV ENGR	INC. AUG'68	865.00	105.70	-	16.95	34.60	707.75
HANSON, HAROLD	COMMISSIONER	STA. JULY'65	30.00	-	1.32	-	-	28.68
HEUPEL, MILTON	FIELD ENGR	STA. AUG'68	850.00	83.60	-	17.45	34.00	714.95
HILAND, LEONE	CHIEF STENO	INC. JAN'68	550.00	103.10	24.20	1.35	22.00	399.35
HUCHLER, EVA	OJT STENO	STA. OCT'68	45.00	-	1.98	-	-	43.02
JACOBSON, HUGH	ASST DRILLER	INC. JAN'68	450.00	20.40	19.80	16.95	18.00	374.85
JOCHIM, CLIFF	ATTORNEY	INC. JAN'68	540.00	127.20	-	17.45	21.60	373.75
JUNGROTH, JAMES	COMMISSIONER	STA. SEPT.'67	30.00	-	1.32	-	-	28.68
KNUTSON, LEWIS	DRILLER	INC. JAN'68	600.00	49.10	26.40	17.45	24.00	483.05
KOCH, KAY	ACCOUNTANT	INC. JAN'68	460.00	76.00	20.24	17.45	18.40	327.91
LINDVIG, MILTON	GW ENGR	INC. JAN'68	910.00	124.40	-	16.95	36.40	732.25
LITTLEFIELD, KENNETH	DRAFTSMAN	STA. NOV'68	475.00	85.50	20.90	-	-	368.60
LOCKEN, SHARON	STENO	INC. JAN'68	380.00	58.90	16.72	17.45	15.20	271.73
MALATERRE, TOM	SURVEYOR	INC. JAN'68	495.00	35.40	21.78	-	19.80	418.02
MURI, GARVIN	CHEMIST	INC. DEC'68	690.00	97.50	30.36	16.95	27.60	517.59
NAPLIN, CHARLES	GW GEOL	INC. DEC'68	730.00	116.20	32.12	17.45	29.20	535.03
NELSON, CP.	DRAIN ENGR	INC JAN'68	900.00	162.70	-	-	36.00	701.30

November 1968

NAME	POSITION	REMARKS	GROSS	W/TAX	S.S.	INS.	RET.	NET
OHNSTAD, DON	PLAN ENGR	STA.NOV'68	420.00	26.20	18.48	-	8.30*	367.02
PUTZ, ROY	OFF ASST	INC.JAN'68	330.00	44.60	14.52	3.95	13.20	253.73
SACKMAN, EUGENE	SURVEYOR	INC.JAN'68	590.00	54.40	25.96	17.45	23.60	468.59
SCHMID, ROGER	GW HYDROLOGIST	INC.DEC'68	875.00	105.70	-	17.45	35.00	716.85
SCHANTZ, GEORGE	ENGR AID	INC.OCT'68	475.00	53.80	20.90	17.45	19.00	363.85
SCHULZ, DELTON	OFF ENGR	INC.SEPT'68	1,025.00	150.60	-	17.45	41.00	815.95
SCHULZ, JIM	ASST SECY	INC.JAN'68	1,025.00	150.60	-	17.45	41.00	815.95
SCOTT, CLIFF	DESIGN ENGR	INC.AUG'68	900.00	137.00	-	17.45	36.00	709.55
SCOTT, LLOYD	DRAFTSMAN	INC.AUG'68	565.00	95.00	24.86	17.45	22.60	405.09
SENGER, ANTON	OPERATOR	INC.JAN'68	525.00	76.30	23.10	-	21.00	404.60
SIMENSON, KENNETH	CONST ENGR	INC.AUG'68	910.00	102.30	-	17.45	36.40	753.85
SPEAKS, GLENN	OPERATOR	INC.JAN'68	495.00	46.50	21.78	16.95	19.80	389.97
TILLOTSON, ANN	RES ASST	INC.JAN'68	360.00	51.20	15.84	4.20	14.40	274.36
THOMPSON, JAMES	LAB TECH	STA.MAR'68	400.00	42.40	17.60	16.95	16.00	307.05
ULRICH, ROGER	RODMAN	STA.JAN'68	375.00	52.70	16.50	4.20	15.00	286.60
VOELLER, PIUS	FOREMAN	INC.JAN'68	575.00	12.20	25.30	17.45	23.00	497.05
WALTERSON, HOWARD	CONST SUPT.	INC.JAN'68	625.00	82.30	27.50	17.45	25.00	472.75
SWC GROUP INS. - 37			185.00			185.00		
SWC RET MATCHING			519.60				519.60	
			<u>28,819.60</u>	<u>3,917.80</u>	<u>627.00</u>	<u>729.30</u>	<u>1,610.10</u>	<u>21,935.40</u>

*State Income Tax Withheld