

MINUTES

North Dakota State Water Commission
Held in the Fred J. Fredrickson Memorial Library
Bismarck, North Dakota

March 13, 1972

The North Dakota State Water Commission held its meeting on March 13, 1972, in the Fred J. Fredrickson Memorial Library, State Water Commission offices, Bismarck, North Dakota. Governor-Chairman, William L. Guy, called the meeting to order at 9:30 a.m.

PRESENT:

Governor William L. Guy, Chairman
Richard Gallagher, Vice Chairman, Mandan
Alvin Kramer, Member from Minot
Gordon Gray, Member from Valley City
Arne Dahl, Commissioner, Department of Agriculture, Bismarck
Milo W. Hoisveen, State Engineer, Chief Engineer and Secretary, North Dakota State Water Commission, Bismarck

OTHERS PRESENT:

Matt Emerson, Assistant Secretary, North Dakota State Water Commission, Bismarck
Dr. Dale Anderson, Director, Water Resources Research Institute, North Dakota State University, Fargo
Russell Dushinske, Executive Vice President, North Dakota Water Users Association, Minot
Bennett Rindy, Chairman, Steele County Water Management District, Portland
Wes Reisenburg, Secretary-Treasurer, Steele County Water Management District, Colgate

CONSIDERATION OF MINUTES
OF JANUARY 10, 1972 MEETING
APPROVED

It was moved by Commissioner Kramer that the reading of the minutes of the January 10, 1972 meeting be dispensed with and they be approved as circulated. Commissioner

Dahl seconded the motion and all voted aye.

FINANCIAL STATEMENT
FOR MONTH OF FEBRUARY, 1972

Matt Emerson, Assistant Secretary for the State Water Commission, presented the financial statement for the month of

February, 1972, commenting on the status of the various accounts. He also informed the Commission that State Water Commission files are being microfilmed at the present time.

After reviewing the status of the various accounts, Commissioner Gray moved that the Commission accept the financial statement for the month of February, 1972 as presented. Commissioner Kramer seconded the motion and all members voted aye.

PRESENTATION BY DR. DALE
ANDERSON, DIRECTOR, WATER
RESOURCES RESEARCH INSTITUTE,
FARGO
(#1403)

Dr. Dale Anderson, Director of the Water Resources Research Institute, North Dakota State University, Fargo, appeared before the Commission to give them a report on the Community Water Conferences to be held in the near future, of which the

State Water Commission is a joint sponsor. The objectives of these eight Conferences are: 1) To create an awareness of water resources as a component of achieving a quality of life for man; 2) To identify and establish priorities of urgent water problems of North Dakota; and 3) To provide an opportunity for a cross-section of citizens interested in water problems to discuss some of the most important problems of their areas and what they believe might be done to solve these problems. These Conferences are being held on a regional basis, whereby two regional conferences will be conducted at the eight locations; each county is expected to have a meeting and a state conference will complete the project. Arrangements for the meetings are being made through the Extension Service and each county agent has invited approximately 25 citizens. As a group, they will represent a cross-section of various water users. Approximately, 1400 invitations have been mailed out. A state conference is scheduled to be held in June, and the sponsors hope to have participants rank the 10 most important problem areas.

After a brief discussion on the Water Conferences, Dr. Anderson gave a resume of the organization structure and program of the North Dakota Water Resources Research Institute.

Dr. Anderson stated that the Water Resources Research Institute is conducting an evaluation of North Dakota's first rural water distribution system. The objectives of this evaluation are: 1) To develop a guide to assist rural people in forming and operating a rural water distribution system; 2) To determine what factors influence an individual's decision to participate in a rural distribution system; 3) To evaluate the rural water distribution system with respect to the delivery of adequate quantity and quality of water to its members; and 4) To analyze the socio-economic impact of the rural water distribution system on its members and the community. The area to be served by the Grand Forks-Traill Water District #1, Inc., includes 22 townships in parts of Grand Forks and Traill Counties. The estimated cost of this evaluation is \$20,940. The cost breakdown is Water Resources Research Institute - \$7,000; the Agricultural Experiment Station - \$7,690; and Other - \$6,250. At this time, Dr. Anderson presented a request to the Commission for state participation in this evaluation in the amount of \$6,250 to supplement the \$7,000 that is being supplied by the Water Resources Research Institute.

Governor Guy asked Secretary Hoisveen if funds would be available at this time, and Secretary Hoisveen replied that he would have to check the records.

Commissioner Gray moved that the State Water Commission participate in an evaluation of

North Dakota's first rural water distribution system in the amount of \$6,250, provided funds are available. Commissioner Gallagher seconded the motion and all members voted aye.

Dr. Anderson then stated that the North Dakota Water Resources Research Institute is going to conduct an analytical interdisciplinary evaluation of the utilization and management of water resources in the Lake Metigoshe Watershed. Dr. Anderson noted the objectives of the evaluation which are: 1) To determine the nutrient balance of Lake Metigoshe; 2) To identify the sources and types of bacteria present in and entering Lake Metigoshe; 3) To determine the social and economic benefits generated by various uses of Lake Metigoshe; 4) To ascertain public perception and understanding of water problems and their possible solutions; and 5) To develop and recommend possible methods of controlling problems related to eutrophication of Lake Metigoshe and to assess their success in improving the quality of the lake for recreational and related uses.

Dr. Anderson requested cost participation from the State Water Commission in the amount of \$5,045. The total cost of the evaluation is \$21,045. Commitment from the Water Resources Research Institute is \$16,000.

Governor Guy said he felt that since there is a State Park at Lake Metigoshe, we should definitely look into this for state interests.

Commissioner Kramer moved that the State Water Commission participate in the amount of \$5,045 for an analytical interdisciplinary evaluation of the utilization and management of water resources in the Lake Metigoshe Watershed area, providing Commission funds are available. Commissioner Gallagher seconded the motion and all members voted aye.

REQUEST FOR
APPROVAL OF RURAL
SEWER SYSTEM FOR
WEST LAKE METIGOSHE AREA
(#330)

Governor Guy read a letter from Mr. Roger D. Schell, representing the Law offices of Benson and Schell in Bottineau, North Dakota, requesting the State Water Commission to approve a rural sewer system project for the West Lake Metigoshe area.

This would only be approving the project at this time, as approval of the plans and specifications will follow.

Secretary Hoisveen said the State Water Commission has reviewed the project, and he feels that it is a very good project with much merit, and this may also get them started in other areas of Lake Metigoshe. He recommended that the project be approved.

Commissioner Kramer moved that the State Water Commission approve the rural sewer system for the West Lake Metigoshe Area project by adopting Resolution No. 72-3-314, Approval of Rural Sewer System for the West Lake Metigoshe area. Commissioner Dahl seconded the motion and all members voted aye. (See Appendix "A")

REQUEST FOR APPROVAL OF
TELEPHONE CABLE ACROSS
THE RED RIVER AT WAHPETON
(#1373)

Secretary Hoisveen read a letter from Mr. C. F. Gast, Engineer, for the Northwestern Bell Telephone Company, whereby they are requesting the State Water Commission for approval of a project installing a submarine

cable river crossing from Wahpeton, North Dakota, to Breckenridge, Minnesota. The location of the crossing is located in the Chahinkapa Park area in North Wahpeton. Secretary Hoisveen feels that this would be an environmental enhancement and it was his recommendation that the Commission approve the project. He also indicated that the Wahpeton City Engineer had approved the plan.

Commissioner Dahl moved that the State Water Commission approve the installation of a submarine cable river crossing from Wahpeton, North Dakota, to Breckenridge, Minnesota, requested by Northwestern Bell Telephone Company. Commissioner Gray seconded the motion and all members voted aye.

ADVANCEMENT OF FUNDS
FOR COTTONWOOD CREEK
(#1515)

Secretary Hoisveen stated that Cottonwood Creek Dam is the largest project that the State Water Commission has undertaken. It is strictly a recreational type project

and an environmental impact statement has been made. None of the project participants had undertaken any of the appraisal work which has left the progress at a complete standstill. In view of the need to expedite this phase of the project, the sponsors have been asked to get an immediate appraisal from other sources. In order to assure the work is being done, the State Water Commission indicated that some of the participating construction funds could be used and later transferred back to the construction account. It was anticipated that these appraisal costs could be blended with the total cost of the project and not put any further burden on the State Water Commission. The proposal has been cleared with our Attorney, Cliff Jochim.

A request has been received by the LaMoure County Water Management District for an advance of funds to aid them in progressing on the project.

Commissioner Gray moved that the State Water Commission advance funds to aid the local sponsors in progressing the Cottonwood Creek Dam,

providing that this advance is credited towards the State Water Commission's total agreed-upon share. Commissioner Dahl seconded and all members voted aye.

APPROVAL OF PLANS
FOR THE STARKWEATHER
WATERSHED
(#842)

Secretary Hoisveen said that a letter had been received from F. E. Foughty, Attorney, at Devils Lake, in regard to approving the plans and specifications for the Starkweather Watershed project. Local

financing of the project through the water management districts involved, is trying to be completed and it is necessary for plans and specifications approval by the State Water Commission. Secretary Hoisveen said the Water Commission staff has reviewed these plans and specifications prepared by the Soil Conservation Service and noted they did an excellent job. It was the recommendation of Secretary Hoisveen that the Commission approve the plans and specifications.

Commissioner Dahl moved that the State Water Commission approve the plans and specifications for the Starkweather Watershed project, by adopting Resolution No. 72-3-315, Order Approving Plans and Specifications of Starkweather Watershed Protection and Flood Prevention Project of Cavalier and Ramsey Counties, North Dakota, so that local financing may be completed. Commissioner Gray seconded and all members voted aye. (See Appendix "B")

NORTH DAKOTA-MINNESOTA
INTERDEPENDENCY STUDY
(#305)

It was the consensus of the Commission that Dr. Thor Hertsgaard, North Dakota State University, Fargo, be invited to a Commission meeting to report on the North

Dakota-Minnesota Interdependency Study. Secretary Hoisveen said this is a very excellent study and would be of benefit to the Commission.

Commissioner Gray moved that the Commission invite Dr. Thor Hertsgaard from the North Dakota State University to give a report on the North Dakota-Minnesota Interdependency Study recently completed. Commissioner Kramer seconded the motion and all members voted aye.

CONSIDERATION OF APPOINTING
AN ASSISTANT CHIEF ENGINEER

Due to the recent resignation of Assistant Chief Engineer, Alan K. Grindberg, who has accepted a position as Law Clerk with U. S.

District Judge Bruce M. Van Sickle of Minot, North Dakota, a new successor will have to be named. Governor Guy asked Secretary Hoisveen to give the Commission a description of what he feels are the major duties of the Secretary-Chief Engineer position. Secretary Hoisveen noted that application had been made by two of the members of the State Water Commission staff. Commission members had previously been mailed their resumes applying for the position.

After discussion of the subject, Commissioner Gallagher moved that the Commission delay action on the appointment of an Assistant Chief Engineer, but that the Commission invite applications for the position until May 15, 1972. These applications should be mailed directly to the Chief Engineer for the Commission's use in their selection of an Assistant Chief Engineer. Commissioner Kramer seconded the motion and all members voted aye.

PROPOSED PERSONNEL
ORGANIZATION CHART
UNDER CHANGED PERSONNEL
CONDITIONS

It was the consensus of the Commission to review this item at a later date, pending the appointment of an Assistant Chief Engineer.

RESOLUTION PERTAINING
TO THE PRINCIPLES AND
STANDARDS FOR PLANNING
WATER AND RELATED LAND
RESOURCES AS PROPOSED
BY THE WATER RESOURCES
COUNCIL
(#322)

Governor Guy read a draft of a Resolution on the Proposed Principles and Standards for Planning Water and Related Land Resources as proposed by the Water Resources Council. Governor Guy stated that he will be in Washington, D. C. on March 20, 1972, to present a statement for the State of North Dakota. He noted his thrusts for his statement. Governor

Guy felt that this Resolution was very effective, with the exception of slight rewriting.

After discussion, Commissioner Kramer moved that the Commission adopt Resolution No. 72-3-316, Proposed Principles and Standards for Planning Water and Related Land Resources, after it has been rewritten to be consistent with the Commission's discussion. Commissioner Gray seconded the motion and all members voted aye. (See Appendix "C")

Governor Guy gave a brief report on his recent meeting with the Missouri Basin States Committee of Governors held in Washington, D. C. on February 23, 1972. Six Governors were present at the meeting. Governor Guy reported that he had received a call from Honorable James Smith, Assistant Secretary of the Interior, informing him that he was unable to obtain President Nixon's signature to the Order creating the Missouri Basin Commission before his departure to China. Governor Guy expressed concern over future water resource development in the Missouri River Basin states if the proposal was not enacted by the President. He also referred to adversities that might occur if the Proposed Principles and Standards for Evaluating Water Resources Projects as proposed by the U. S. Water Resources Council were approved by the President as presently written. He pointed out the pitfalls contained in that portion of the proposal that were referred to as the 7 percent discount rate

and indicated the difficulty of obtaining authorization for projects with such an unrealistic interest rate. Several of those present also discussed several other undesirable features of the proposed standards such as the "five-year Grandfather Clause" and the difficulties that would arise from non-recognition of regional benefits as well as the elimination of social and other benefits.

He stated that it was the consensus of the Governors present that the Missouri Basin Committee should be reactivated to better oppose the Proposed Principles and Standards for Planning Water and Related Land Resources as presented by the Water Resources Council. A letter to the Water Resources Council will be drafted containing their opposition and signed by the ten Basin Governors. Governor Kneip of South Dakota was appointed Chairman of this Committee and Joe Grimes of South Dakota was named Secretary. Headquarters for the Missouri River Basin Commission has not yet been established.

The Commission then recessed for lunch and the meeting reconvened at 1:30 p.m. Governor Guy and Arne Dahl did not return for the afternoon session. Vice Chairman Gallagher presided.

RESOLUTION PERTAINING TO
THE APPROVAL OF PLANS AND
SPECIFICATIONS FOR DISTRICT
NO. 3 SOUTHEAST CASS SEWER
IMPROVEMENT
(#720)

Secretary Hoisveen read a Resolution from the Southeast Cass County Water Management District requesting approval of the plans and specifications for improvements in Sewer Improvement District No. 3 of the Southeast Cass County Water Management District, Cass County, North Dakota.

These improvements are proposed in the area of I-29 and I-94 between Westgate Development and the city of Fargo. Secretary Hoisveen said the project has been reviewed and he would recommend approval of such.

Commissioner Gray moved the adoption of Resolution No. 72-3-317, Approval of Plans and Specifications for Improvement in Southeast Cass Water Management District Sewer Improvement District No. 3. Commissioner Kramer seconded the motion and all members voted aye. (See Appendix "D")

LETTERS PERTAINING TO
THE PROPOSAL TO HAVE METERS
PLACED ON IRRIGATION WELLS
(#1400)

Secretary Hoisveen read a letter from Gary Puppe, Executive Secretary of the North Dakota State Soil Conservation Committee, which further supports encouraging the adoption of water meters on irrigation

wells. A Resolution has also been received from the North Dakota Irrigation District's Association whereby this organization is opposing this requirement because they feel that a substantial additional investment in an irrigation system to provide this information can be readily obtained in other ways.

Vice Chairman Gallagher asked the Commission what other ways could be used to obtain this information. The Commission offered no suggestions. It would cost approximately \$450 to install a meter on these wells and it would record the number of acre-feet of water used during the season. On rural water district projects, meters would be used to record domestic use only.

REQUEST BY STEELE COUNTY
WATER MANAGEMENT DISTRICT
PERTAINING TO PARTICIPATION
IN DRAINAGE STRUCTURES -
PRESENTATION
(#1525)

Bennett Rindy, Chairman of the Steele County Water Management District, and Wes Reisenburg, Secretary-Treasurer of the Steele County Water Management District, made a presentation before the Commission in regard to Steele County Drain No. 1. This drain is located just east

of Golden Lake and is designed to reduce problems of excess surface water and also the high water table conditions just east of Golden Lake. They have encountered more than a normal number of drop structures needed which is reflected in the high cost of the project.

Secretary Hoisveen noted that normally the State's cost participation is 40 percent of total cost on qualified construction items of the drain and 50 percent on drop structures.

Mr. Rindy made a request on behalf of the Steele County Water Management District to the Commission for a higher proportion of state aid. The total cost of the project is \$120,000.

After discussion, Commissioner Kramer moved that the State Water Commission increase their cost participation in the Steele County Drain No. 1 drop structures to 70 percent, but not to exceed \$28,000. He also moved that the Commission participate to the extent of 40 percent on the drain, an amount not to exceed \$32,000. Commissioner Gray seconded the motion and all members voted aye.

RESOLUTION PASSED BY THE
NORTH DAKOTA WILDLIFE
ASSOCIATION
(#626)

Secretary Hoisveen read a resolution from the North Dakota Wildlife Federation, Inc., whereby at their annual convention they went on record as opposing the Tolley Flats project. Russell Dushinske, Executive

Vice President of the North Dakota Water Users Association, Inc., Minot, North Dakota, asked the Commission if comments on this project had been received from the U. S. Bureau of Sport Fisheries and Wildlife, and the reply was "no". Commissioner Kramer felt that the Commission should delay action awaiting the Bureau's comments, although they had indicated verbally, concern over siltation in the Lake Darling Reservoir.

Commissioner Kramer moved that Secretary Hoisveen be instructed to write a letter to the North Dakota Wildlife Federation, Inc., stating that the Commission, upon receipt of comments from the U. S. Bureau of Sport Fisheries and Wildlife, will then make its comments. The letter should also contain the possibility of securing easements on the wetlands. Commissioner Gray seconded the motion and all members voted aye.

CORPS OF ENGINEERS
REACTION TO THE STUDY
RELATIVE TO MAINTAINING
THE BUFORD-TRENTON
IRRIGATION PROJECT
(#222)

Secretary Hoisveen read a letter received by Governor Guy from Major General John W. Morris, U. S. Corps of Engineers, Omaha, in respect to the Buford-Trenton Irrigation project. He said that the State Water Commission met with the Buford-Trenton people and the Corps of Engineers at a

session held in Williston, North Dakota. It appeared as though they would go ahead and make a study of the possibility of draining and pumping out water from the project, however, as the meeting progressed, Colonel B. P. Pendergrass from the Corps of Engineers, made a suggestion on how much this study was going to cost and that the residents might be interested in selling their land. It was the feeling of the people, then, that the best solution may be to sell out to the Corps of Engineers. They could perhaps get \$800 to \$1000 an acre for their land. He said that nothing further has been heard from the Corps of Engineers, with the exception that they stated they would cooperate with the Water Commission if a study is undertaken. This would call for some local participation. He told the Commission that everything that can be done for the locals is being done.

NORTH AMERICAN COAL
CORPORATION'S REQUEST
FOR ADDED TOPOGRAPHY IN
THE LIGNITE AREAS OF
NORTH DAKOTA
(#1394)

Secretary Hoisveen read a letter from the North American Coal Corporation in Cleveland, Ohio, to the U. S. Department of the Interior, regarding added topography in the lignite areas of North Dakota. They are interested in learning the status of these lignite areas and would like to know the

time schedule for these maps. Secretary Hoisveen said that generally financing is on a 50-50 percent basis with the U. S. Geological Survey. Possibly, the coal interests might be induced to put up 25 percent of the cost, the State Water Commission 25 percent, and the U. S. Geological Survey the remaining 50 percent.

Commissioner Kramer moved that Secretary Hoisveen write to the North American Coal Corporation and efforts should be made to obtain Corporation participation in financing for an advanced mapping program in the lignite areas of North Dakota. Commissioner Gray seconded and all members voted aye.

LETTERS FROM ABSENT
COMMISSION MEMBERS

Hanson is still in Scottsdale, Arizona, and Commissioner Jungroth is in Mexico.

Secretary Hoisveen read letters that had been received from Commissioners Harold Hanson and James Jungroth. Commissioner

LETTER FROM SENATOR MILTON
R. YOUNG REGARDING LOW FLOW
RELEASES FROM JAMESTOWN DAM
(#832)

the status of recommendations from the Water Commission for operating the Jamestown Reservoir. Proposals involve making supplemental releases to the James River during the summer months for the purpose of flushing the James River and preventing its stagnation downstream from the dam. They are presently awaiting recommendations from the State Water Commission to assure releases are protected by adequate water right administration.

Secretary Hoisveen read a letter from Senator Milton R. Young, and also a letter from Commissioner Ellis L. Armstrong, U. S. Department of the Interior, Bureau of Reclamation, regarding a report on

Commissioner Kramer moved that the Chief Engineer of the State Water Commission notify the U. S. Bureau of Reclamation that the Commission gives them assurance that flows of the James River will be administered in a manner to prevent diversion of stored water released to the stream for this purpose, and that such flows will not be diverted by downstream users in North Dakota. Commissioner Gray seconded the motion and all members voted aye.

INTERNATIONAL SOURIS RIVER
BOARD OF CONTROL REPORT MADE
BY NORTH DAKOTA AND CANADA

of Control for 1971. This is a report made by the United States and Canada on progress of each country. It states that Saskatchewan shall have the right to divert, store and use waters which originate in the Saskatchewan portion of the Souris River Basin, provided that the annual flow of the river into North Dakota is not thereby reduced to less than half of the flow which would have occurred in a state of nature; that North Dakota shall have the right to divert, store, and use the waters which originate in the North Dakota portion of the Basin together with the waters which cross the boundary from Saskatchewan, provided that, except during periods of severe drought, a regulated flow of 20 cubic feet per second will be permitted to flow into Manitoba during the months of June to October inclusive; that Manitoba shall have the right to use the waters originating in the Manitoba portion of the Basin and also the regulated flow entering from North Dakota.

Secretary Hoisveen reported that he had received copies of the 13th Annual Report to the International Joint Commission made by the International Souris River Board

WATER PERMITS

ation. It was the recommendation of the State Engineer that these water permits be approved.

Secretary Hoisveen presented 14 water permits to the Commission for consideration.

It was moved by Commissioner Gray, seconded by Commissioner Kramer and carried that the 14 water permits be approved as presented subject to such conditions as indicated on the permit. (See Appendix "E")

STATE WATER COMMISSION
SHOP

Secretary Hoisveen read a memorandum written by Alan Grindberg, former Assistant Chief Engineer, regarding relocation of the

State Water Commission Shop. It was Mr. Grindberg's opinion that the property is worth in the neighborhood of \$50,000.

After a brief discussion of the subject, it was the consensus of the Commission that action be delayed until a future Commission meeting.

NATIONAL WATERWAYS
CONFERENCE, INC.

Secretary Hoisveen reported that he has received correspondence from the National Waterways Conference, Inc., requesting

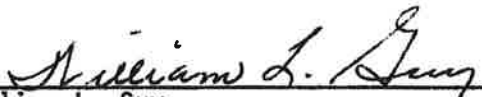
membership of the State Water Commission. Dues for this organization are \$50 annually and it was his recommendation that the Commission join the National Waterways Conference, Inc.

Commissioner Kramer moved that the State Water Commission become a member of the National Waterways Conference, Inc., and submit their annual dues of \$50 for 1972. Commissioner Gray seconded the motion and all members voted aye.

There being no further business to come before the Commission, the meeting was adjourned at 3:00 p.m.


Milo W. Hoisveen
Secretary

ATTEST:


William L. Guy
Governor-Chairman

APPROVAL OF RURAL SEWER SYSTEM FOR THE WEST LAKE METIGOSHE AREA

WHEREAS, the Oak Creek Water Management District has presented a certain sewer project to the North Dakota State Water Commission, Bismarck, North Dakota, which project provides facilities to pump raw sewage from an area of principally single-family residences situated in the west portion of Lake Metigoshe to a treatment facility (lagoon), which project will eliminate an existing pollution problem to Lake Metigoshe which improvement and project is principally in the following additions:

Solpers Addition
Shores Addition
Sunset Bay Subdivision
North Lake Park Addition
Squaw Point Addition
East Shore Park
Hart's Addition to East Shore Park
Hart Island
Longview Addition

Green Acres Addition
Central Park
First Addition to Central Park
First Addition to North Lake Park
Minot Beach
Rugby Point Subdivision
Burnett's 1st Addition to Metigoshe Park
Westergard Subdivision
1st, 2nd & 3rd Additions to Westergard Subdivision

Bottineau County, North Dakota; and

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

NOW THEREFORE, BE IT RESOLVED by the North Dakota Water Commission on this 13th day of March, 1972, that said project be and the same is hereby approved.

FOR THE NORTH DAKOTA STATE WATER COMMISSION.

William L. Guy
Governor - Chairman

ATTEST:

Milo W. Howse
Chief Engineer & Secretary

RESOLUTION 72-3-315

APPENDIX "B"

ORDER APPROVING PLANS AND SPECIFICATIONS OF STARKWEATHER WATERSHED PROTECTION AND FLOOD PREVENTION PROJECT OF CAVALIER AND RAMSEY COUNTIES, NORTH DAKOTA.

IT IS HEREBY ORDERED By the North Dakota State Water Commission that the plans and specifications prepared by the engineers and technicians of the Ramsey County Soil Conservation District, the Cavalier County Soil Conservation District, the Sweetwater-Dry Lake Water Management District, the Cavalier County Water Management District, and the United States Department of Agriculture Soil Conservation Service, for the project known as the Starkweather Watershed Protection and Flood Prevention Project of Cavalier and Ramsey Counties, North Dakota, for the Sweetwater-Dry Lake Water Management District of Ramsey County, North Dakota, the Cavalier County Water Management District, and other sponsoring groups as presented to and considered by the Commission at its meeting on the 13th day, of March, 1972, at Bismarck, North Dakota, are in all things approved by the Commission.

Dated this 15th day of March, 1972.

William D. Berg
Chairman of the Commission.

ATTESTED:

Nico W. Hovinen
Secretary of the Commission.

SEAL

RESOLUTION 72-3-316

APPENDIX "C"

**Proposed Principles and Standards for
Planning Water and Related Land Resources**

WHEREAS, the North Dakota State Water Commission is the focal point of all water programs in the state whether they be local, state or federal; and

WHEREAS, the proposed 7 to 10 percent discount rate would almost completely eliminate water resources projects that are essential to continue the growth of our economy and eliminate ecological balance through the investment of public funds in wealth and tax producing water related projects; and

WHEREAS, the elimination of major water resources projects will result in serious future power shortages that will adversely affect the economy of the entire nation; and

WHEREAS, the State of North Dakota has contributed generously of its land to aid in controlling the Missouri River floods that at one time caused the prostration of many downstream cities including Omaha and Kansas City; and

WHEREAS, the Federal Government has been generous in providing funds for comprehensive water resource planning to better enable North Dakota to construct wealth producing water projects to aid in restoring the state's economy which has been disrupted through the loss of 550,000 acres of land to the much needed flood control and multi-purpose reservoirs; and

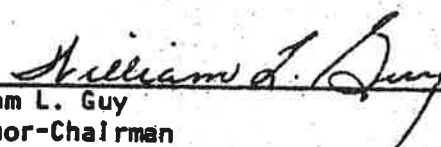
WHEREAS, the environment of man and his social well being should be the prime objective of all program considerations but he must also give important acknowledgement to the environment in which he lives; and

WHEREAS, to permit retrogression which will result from the proposed Evaluation of Water Resources Projects, we could certainly jeopardize our national defense and invite disaster from with out.

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NOW, THEREFORE, BE IT RESOLVED that the North Dakota State Water Commission at its meeting held in Bismarck, North Dakota, on this 13th day of March, 1972, recommends to the Water Resources Council and the Office of Management and Budget that those features of the Principles and Standards for the Evaluation of Water Resources Projects be eliminated that would recognize a higher discount rate, but should include social impacts, secondary benefits, regional impacts and the out migration of our people.

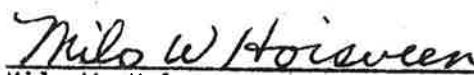
FOR THE NORTH DAKOTA STATE WATER COMMISSION:



William L. Guy
Governor-Chairman

SEAL

ATTEST:



Milo W. Hoisveen
Secretary

RESOLUTION 72-3-317

APPENDIX "D"

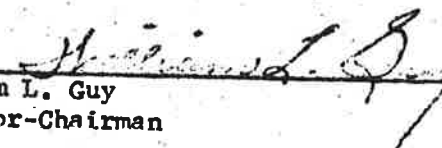
Approval of Plans and Specifications for
Improvement in Southeast Cass Water Management
District Sewer Improvement District No. 3

BE IT RESOLVED, by the North Dakota State Water Commission that the plans and specifications for improvements in Sewer Improvement District No. 3 of the Southeast Cass Water Management District, Cass County, North Dakota, heretofore prepared by the Fargo City Engineer, Engineer for the District, be and the same hereby are approved, ratified and confirmed as the plans and specifications in accordance with which said improvements shall be constructed and the Secretary of the Water Management District shall file the same in his office open to public inspection.

NOW, THEREFORE, BE IT RESOLVED, by the North Dakota State Water Commission on this 13th day of March, 1972, that the above stated specifications and plans are hereby approved.

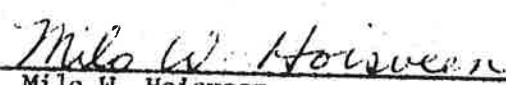
FOR THE NORTH DAKOTA STATE WATER COMMISSION:

SEAL



William L. Guy
Governor-Chairman

ATTEST:



Milo W. Hoisveen
Secretary

WATER PERMITS FOR MARCH 13, 1972 AGENDA

NO.	NAME AND ADDRESS	SOURCE	PURPOSE	AMOUNT REQUESTED	COMMENTS & RECOMMENDATIONS
1816	Streich, Orrin R.- Englevale (Dickey County)	Ground Water	Irrigation	619.0 acre-feet 619.0 acres	619.0 acre-feet 619.0 acres
1817	Heinzen, Francis N.- Emmet (McLean Co.)	Ground Water and Garrison Reservoir	Irrigation	1412.0 acre-feet 706.0 acres	706.0 acre-feet 706.0 acres
1811	Miller, Calvin- Rhame (Bowman County)	Little Missouri River, trib. to Missouri River	Irrigation	370.0 acre-feet 184.5 acres	184.5 acre-feet 184.5 acres
1805	Meyer, Dennis F.- Bismarck (Burleigh County)	Unnamed Streams, trib. to Burnt Creek and the Missouri River	Irrigation	127.0 acre-feet storage 227.0 acre-feet annual use 227.0 acres	100.0 acre-feet storage 100.0 acre-feet annual use 227.0 acres
1815	Gilbertson, George - and Sons Raub (McLean County)	Garrison Reservoir	Irrigation	586.0 acre-feet 293.0 acres	586.0 acre-feet 293.0 acres
1818	Ask, Inc. - Minot (Burleigh County)	Ground Water	Industrial- Domestic Residential Use	80.0 acre-feet	80.0 acre-feet

NO.	NAME AND ADDRESS	SOURCE	PURPOSE	AMOUNT REQUESTED	COMMENTS & RECOMMENDATIONS
1819	State Historical Society of North Dakota - Bismarck (Williams County)	The Confluence of the Yellowstone and Missouri Rivers	Irrigation	7.5 acre-feet	7.5 acre-feet 5.0 acres
1757	Boe, Ivon - Turtle Lake (McLean County)	Ground Water	Irrigation	720.0 acre-feet 360.0 acres	540.0 acre-feet 360.0 acres
1798	Reis, Sebastian - Napoleon (Logan County)	Ground Water	Irrigation	925.0 acre-feet 462.5 acres	462.5 acre-feet 462.5 acres
1742	U. S. Department of Agriculture - Forest Service - Billings, Mont. (McKenzie County)	Unnamed Stream, trib. to North Fork Spring Creek & Yellowstone River	Recreation (Stockwater)	24.6 acre-feet storage 12.3 acre-feet annual use	24.6 acre-feet storage 12.3 acre-feet annual use
1820	Seefeldt, Ronald - Grand Rapids (LaMoure County)	Ground Water	Irrigation	880.0 acre-feet 440.0 acres	440.0 acre-feet 440.0 acres
1824	O'Shea, John - Emmet (McLean County)	Ground Water	Irrigation	453.0 acre-feet 302.0 acres	453.0 acre-feet 302.0 acres

NO.	NAME AND ADDRESS	SOURCE	PURPOSE	AMOUNT REQUESTED	COMMENTS & RECOMMENDATIONS
1825	Knudsen, Olaf - Cartwright (McKenzie County)	Charbonneau Creek, trib. to Yellowstone and Missouri Rivers	Irrigation- Waterspreading	50.0 acre-feet 59.0 acres	50.0 acre-feet 59.0 acres
1812	Delzer, Raymond and Betty Jean - Bismarck (Burleigh County)	Unnamed Intermittent Streams, trib. to Burnt Creek and the Missouri River	Irrigation	97.0 acre-feet storage. 235.2 acre-feet. annual use 179.4 acres	97.0 acre-feet storage 90.0 acre-feet annual use 179.4 acres

NORTH DAKOTA STA. WATER COMMISSION
 FINANCIAL STATEMENT MARCH 31, 1972
 1971-73 APPROPRIATIONS

C5-1.2

	Available Funds		Disbursements		Account Balances		
	APPROPRIATION	RECEIPTS	TO DATE	MAR. '72	UNEXPENDED	ENCUMB.	UNENCUMB.
GENERAL OPERATIONS: ACCOUNT							
1001-Salaries Expense (1)	\$ 919,621.00	\$ -	\$291,904.94	\$37,414.89	\$ 627,716.06	\$ -	\$ 627,716.06
2001-Fees & Services	162,625.00	-	46,023.65	4,471.59	116,601.35	-	116,601.35
2051-Data Processing	4,500.00	-	1,592.38	83.94	2,907.62	-	2,907.62
3001-Supplies & Materials	163,600.00	-	41,957.34	4,343.49	121,642.66	-	121,642.66
4001-Equipment	25,000.00	-	9,421.40	374.35	15,578.60	-	15,578.60
7701-Red Basin Comm.	60,000.00	-	30,149.17	-	29,850.83	-	29,850.83
TOTAL GENERAL OPERATIONS	\$1,335,346.00	\$ -	\$421,048.88	\$46,688.26	\$ 914,297.12	\$ -	\$ 914,297.12
7721-West River Div.	\$ 100,000.00	\$ -	\$ 16,373.93	\$ 2,348.05	\$ 83,626.07	\$ -	\$ 83,626.07
CONTRACT FUND:							
336-770-Contract "Cash" \$1,000,000							
Contract Collections 900,000 \$1,900,000.00							
Collections to Date		\$372,272.14					
Transfer from 001 to 336		200,000.00					
			\$467,134.40	\$ 3,250.00	\$1,432,865.60	\$ -	\$1,432,865.60
TOTAL CONTRACT FUND	\$1,900,000.00	\$572,272.14	\$467,134.40	\$ 3,250.00	\$1,432,865.60	\$ -	\$1,432,865.60
GRAND TOTALS	\$3,335,346.00	\$572,274.14	\$904,557.21	\$52,286.31	\$2,430,788.79	\$ -	\$2,430,788.79

(1) Includes \$88,550.00 Federal Grants

NORTH DAKOTA STATE WATER COMMISSION

PAYROLL - FEB. 1972*

<u>NAME</u>	<u>POSITION</u>	<u>REMARKS</u>	<u>GROSS</u>
HOISVEEN, MILO W.	STATE ENGINEER	INC. JULY '71	\$ 1,825.00
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
CLEMENTS, JUDY	OJT STENO	STA. FEB. '72	41.25
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	60.00
GEHRING, OSCAR	LAB TECHNICIAN	INC. JULY '71	625.00
GRINDBERG, ALAN	ASST. CHIEF ENGINEER	RES. FEB. '72	2,254.50
GRUNSETH, ARLAND	INVESTIGATIONS ENGINEER	INC. JULY '71	1,090.00
HANSON, HAROLD	COMMISSIONER	STA. JULY '65	15.00
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
KLAPPRODT, LEROY	DRAFTSMAN	STA. OCT. '71	475.00
KLING, THOMAS	SOILS TECHNICIAN	STA. SPET. '71	230.00
KNOLL, JAMES	OPERATOR	INC. JULY '71	590.00
KNUTSON, LEWIS	DRILLER	INC. FEB. '72	755.00
KOCH, KAY	ACCOUNTANT	INC. JULY '71	300.00
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
MURI, GARVIN	CHEMIST	INC. JULY '71	890.00
NAPLIN, CHARLES	GEOLOGIST	INC. JULY '71	915.00
NEAL, DEAN	LAB TECHNICIAN	STA. SEPT. '71	94.50
NELSON, C. P.	DRAINAGE ENGINEER	INC. JULY '71	1,140.00
OHNSTAD, DONALD	PLANNING ENGINEER	INC. JULY '71	1,060.00
PETERSON, JANE	OJT STENO	STA. FEB. '72	38.75
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
SVIHLA, ROSALIE	STENOGRAPHER	INC. JULY '71	355.00
SWANSON, RONALD	PROJECT ENGINEER	INC. JULY '71	1,050.00
THOMAS, NELDA	DIR. OF INFORMATION	INC. NOV. '71	830.00
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	STENOGRAPHER	STA. SEPT. '70	150.00
WERNER, ROBERT	DRAFTSMAN	INC. JULY '71	500.00
SWC GROUP INS. - 41			285.56
SWC RET-MATCHING			1,270.38
SOCIAL SECURITY			1,804.95
			<u>\$37,414.89</u>

*Pd. in Mar.

OBJECT BUDGET COMPARISON
1971-1973 BIENNIUM

April 12, 1972
SWC File C5-1.4

OBJ. CODE	OBJECT DESCRIPTION	MAR. 1972 EXPEND.	JULY 1, '71 MAR. 31, '72 EXPEND.	BUDGET	EXP. % OF BUDGET TIME STD. 37.5%** SAL. STD. 33.3%
1000	Salaries	\$34,054.00	\$269,604.11	\$ 840,121.00	32%
1820	OASIS	-	352.94	4,400.00	8%
1830	Social Security	1,804.95	9,578.40	34,000.00	28%
1840	Hospital Insurance	285.56	2,297.80	7,500.00	30%
1850	Workmen's Compensation	-	1,131.51	3,600.00	31%
1880	State Retirement	1,270.38	8,940.18	30,000.00	29%
	TOTAL SALARIES AND WAGES	\$37,414.89	\$291,904.94	\$ 919,621.00 (1)	32%
2110	Meals & Lodging	\$ 1,068.89	\$ 20,230.86	\$ 77,325.00	26%
2120	Personal Vehicle Mileage	55.80	2,979.56	8,000.00	37%
2130	Comm. Transportation	874.00	5,086.63	12,000.00	42%
2150	Misc. Travel	137.50	939.87	3,000.00	31%
2210	Water-Garbage	6.80	66.90	300.00	22%
2220	Natural Gas	51.59	364.24	1,000.00	36%
2230	Electricity	74.51	329.24	900.00	36%
2310	Rental-Equipment	50.00	266.59	2,500.00	10%
2360	Rent-Bldg. Space	-	20.00	500.00	4%
2410	Postage	129.15	1,230.71	4,000.00	30%
2420	Telephone	84.00	1,726.62	5,000.00	34%
2510	Repair Equipment	626.03	2,123.85	12,000.00	17%
2513	Maintenance Contracts	30.97	2,323.85	4,000.00	58%
2560	Repair Buildings & Grounds	-	35.00	1,000.00	4%
2612	Legal Fees	-	-	1,000.00	-
2613	Audit Fees	-	197.63	500.00	39%
2614	Engineering Fees	-	99.00	2,500.00	3%
2619	Microfilm Service	837.80	996.36	3,000.00	33%
2650	Consulting Fees	-	375.00	1,500.00	25%
2682	Photographer Fees	57.40	1,648.27	6,000.00	27%
2699	Misc. Professional Fees	207.50	2,860.40	9,000.00	31%
2710	Fidelity Bond	10.00	10.00	-	-
2720	Property Insurance	34.00	34.00	700.00	05%
2730	Liability Insurance	-	-	900.00	-
2911	Radio-Newspaper Fees	-	55.22	300.00	18%
2912	Rewards-Premiums	-	32.76	500.00	6%
2914	License & Taxes	-	323.00	700.00	46%
2915	Dues	35.00	145.00	2,000.00	7%
2916	Freight	52.75	201.47	1,500.00	13%
2999	Miscellaneous	47.90	585.12	1,000.00	58%
	TOTAL FEES AND SERVICES	\$ 4,471.59	\$ 44,411.93	\$ 162,625.00	27%
2618	Data Processing	\$ 83.94	\$ 1,592.38	\$ 4,500.00	35%
	TOTAL DATA PROCESSING	\$ 83.94	\$ 1,592.38	\$ 4,500.00	35%
3100	Office Supplies	\$ 1,063.26	\$ 5,818.67	\$ 19,000.00	30%
3105	Central Reproduction	-	294.81	2,500.00	12%
3110	Data Processing Supplies	-	-	200.00	-
3120	Printing	-	835.95	17,500.00	5%
3130	Books, Maps, Subscriptions	251.20	1,374.65	5,000.00	27%

OBJ. CODE	OBJECT DESCRIPTION	MAR. 1972 EXPEND.	JULY 1, '71 MAR. 31, '72 EXPEND.	BUDGET	EXP. % OF BUDGET TIME STD. 37.5%**
3132	Films	\$ 236.91	\$ 1,797.79	\$ 3,400.00	52%
3600	Hardware & Bldg. Supplies	299.51	11,554.65	50,000.00	23%
3700	Petroleum Supplies	891.56	10,539.02	35,000.00	30%
3800	Equipment Repair Parts	1,601.05	9,701.20	29,000.00	33%
3959	Miscellaneous	-	40.60	2,000.00	2%
	TOTAL SUPPLIES & MATERIALS	\$ 4,343.49	\$ 41,957.35	\$ 163,600.00	25%
4100	Office Equipment	\$ 374.35	\$ 2,177.00	\$ 1,500.00	145%
4300	Motor Vehicles	-	6,892.95	23,000.00	30%
4400	Machines & Equipment	-	351.45	500.00	70%
	TOTAL EQUIPMENT	\$ 374.35	\$ 9,421.40	\$ 25,000.00	37%
7701	Basins Commission	\$ -	\$ 30,149.17	\$ 60,000.00	50%
7721	West River Diversion	\$ 2,348.05	\$ 16,373.93	\$ 100,000.00	16%
	TOTAL GENERAL OPER. APPROP.	\$49,036.31	\$437,382.81	\$1,435,346.00	30%
5500	Contract Payments	3,250.00	467,134.40	1,900,000.00 (2)	24%
	TOTAL STATE WATER COMM. BUDGET	\$52,286.31	\$904,557.21	\$3,335,346.00	27%

(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

** 9/24 months = 37.5 percent biennium elapsed

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NORTH DAKOTA STATE WATER COMMISSION*****FUNCTION SUMMARY FOR MONTH ENDING 03/31/72

FUNCTION NUMBER AND DESCRIPTION	CURRENT COST	COST TO DATE	PERCENT	BUDGET
100 ADMINISTRATIVE AND LEAGAL	\$ 2,706.41	\$ 28,079.82	22.4 %	\$ 125,34
200 COMPREHENSIVE PLANNING	\$ 15,177.34	\$ 127,298.63	25.5 %	\$ 500,00
301 ENGINEER, INVESTIGATION, RESEARCH, SURVEY & DESIGN	\$ 3,108.19	\$ 34,933.52	34.9 %	\$ 100,00
302 METES & BOUNDS SURVEYS	\$ 93.50	\$ 140.25	1.4 %	\$ 10,00
303 TEST BORINGS AT PROJECT SITES	\$.00	\$ 1,178.76	11.8 %	\$ 10,00
304 SOIL ANALYSIS	\$ 863.47	\$ 10,952.84	36.5 %	\$ 30,00
305 HYDROLOGIC STUDIES	\$.00	\$.00	.0 %	\$ 30,00
306 DESIGN	\$ 4,738.26	\$ 37,688.09	44.3 %	\$ 85,00
307 RESEARCH	\$.00	\$ 313.23	2.1 %	\$ 15,00
310 REPORT PUBLICATION	\$.00	\$.00	.0 %	\$ 15,00
311 GROUND WATER SURVEY-PRE PLANNING	\$ 2,989.47	\$ 10,372.49	38.4 %	\$ 27,00
312 GROUND WATER SURVEY-WATER RECORD	\$ 136.71	\$ 1,250.29	25.0 %	\$ 5,00
313 GROUND WATER SURVEY-GEOLOGICAL STUDIES	\$.00	\$.00	.0 %	\$ 3,00
314 GROUND WATER SURVEY-SUBSURFACE EXPLORATION	\$ 381.28	\$ 113,151.67	45.3 %	\$ 250,00
315 GROUND WATER SURVEY-QUALITY OF WATER WORK	\$ 2,838.00	\$ 24,783.00	49.6 %	\$ 50,00
316 GROUND WATER SURVEY-AQUIFER TEST & SPECIAL INV	\$ 460.35	\$ 25,221.55	25.2 %	\$ 100,00
317 GROUND WATER SURVEY-DATA COMPILATION & ANALYSIS	\$ 846.73	\$ 7,956.04	79.6 %	\$ 10,00
318 GROUND WATER SURVEY-RPT PREP & REVIEW	\$ 515.05	\$ 4,006.69	26.7 %	\$ 15,00
319 GROUND WATER SURVEY-SPECIAL INVESTIGATIONS	\$ 861.96	\$ 34,190.83	34.2 %	\$ 100,00
320 COOPERATIVE SURVEYS-GRND WATER, SUR WATER & TOPOG.	\$.00	\$ 134,062.50	35.8 %	\$ 375,00
401 CONSTRUCTION-DAMS & RELATED APPURTENANCES	\$ 856.88	\$ 227,830.18	25.3 %	\$ 900,00
402 CONSTRUCTION-RECREATION FACILITIES	\$.00	\$ 1,843.90	1.7 %	\$ 110,00
403 CONSTRUCTION-IRRIGATION FACILITIES	\$.00	\$.00	.0 %	\$ 10,00
404 CONSTRUCTION-FLOOD CONTROL	\$ 101.20	\$ 60,266.22	66.3 %	\$ 100,00
405 CONSTRUCTION-PILOT WELLS	\$.00	\$.00	.0 %	\$ 10,00
501 OP & MAINT-DAMS & RELATED APPURTENANCES	\$ 189.06	\$ 31,401.55	14.0 %	\$ 225,00
502 OP & MAINT-RECREATION FACILITIES	\$.00	\$ 140.25	2.3 %	\$ 5,00
503 OP & MAINT-IRRIGATION FACILITIES	\$.00	\$.00	.0 %	\$ 5,00
504 OP & MAINT-FLOOD CONTROL	\$ 2,790.21	\$ 7,655.28	6.7 %	\$ 115,00

Dist TOTALS \$ 39,654.07 \$ 930,717.58* 27.9 % \$3,335,34

* includes \$21,406.13 prior expenditures made in July '71 from '69-71 appropriations

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Canon*