

NEBRASKA NATURAL RESOURCES COMMISSION

ANNUAL REPORT

FISCAL YEAR 1977 - 78

AR-1977-78-RDF-N

NEBRASKA NATURAL RESOURCES COMMISSION
MEMBERS

BRUCE L. ANDERSON	BIG BLUE BASIN	STROMSBURG
ROBERT W. BELL	MUNICIPAL WATER USERS REPRESENTATIVE	OMAHA
JAMES E. COOK	NIOBRARA & WHITE-HAT BASINS	MILLS
ROBERT GIFFORD	NORTH PLATTE BASIN	GERING
HOWARD HARDY	LITTLE BLUE BASIN	FAIRBURY
ALBERT JAMBOR	LOWER PLATTE BASIN	PRAGUE
WAYNE JOHNSON	NEMAHA BASIN	COOK
GEORGE KLEEN	REPUBLICAN BASIN	FRANKLIN
RUDOLF KOKES	LOUP BASIN	ORD
HAROLD KOPF	MIDDLE PLATTE BASIN	LEXINGTON
LOUIS KNOFLICEK	GROUNDWATER IRRIGATORS REPRESN.	ALLIANCE
DEMSPEY MCNIEL	SURFACE WATER IRRIGATORS REPRESN.	HOLDREGE
ALVIN NARJES	SOUTH PLATTE BASIN	SIDNEY
WARREN PATEFIELD	MISSOURI TRIBUTARIES BASIN	LAUREL
CLINTON VONSEGGERN	ELKHORN BASIN	SCRIBNER

DAYLE E. WILLIAMSON, EXECUTIVE SECRETARY

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Development of a state financed soil and water conservation program as authorized by the Nebraska Water Conservation Act, continued development of the plan for control of non-point pollution, and initiation of the legislatively directed effort to redirect and accelerate state water planning activities highlighted Commission activities for the fiscal year ended June 30, 1978. Numerous other activities involved the time and efforts of the Commission and its staff during the past year. This report summarizes those activities and describes the progress of other programs which are the responsibility of the Commission.

PERSONNEL

The Commission's authorized staff consists of a total of 58 positions, six of which are part-time. The full-time equivalency is 55 employees.

At the end of Fiscal Year 1977-78, 56 of the 58 positions were filled. The vacancy rate during the year was about three percent. Turnover rate (resignations as compared to the total authorized staff) was about 16% last year.

The authorized staff of 58 employees consists of 28 professional, 22 technical and 8 clerical positions.

BUDGET

The appropriation of general funds to the Commission for FY 1977-78 was \$4,879,822 which included the reappropriation of about 2.7 million dollars for the Resources Development Fund. In addition, legislative authority was provided for the expenditure of \$638,211 cash fund money and an estimated \$533,000 of federal fund money for a total budget of \$6,051,032.

Actual general fund expenditures were \$1,229,026.95, with over 3.6 million dollars being reappropriated for the Resources Development Fund. Federal fund expenditures were from two different sources. The largest amount available was from the Environmental Protection Agency in the amount of \$376,734.49 and was utilized in carrying out water quality planning activities as required under Section 208 of P.L. 92-500. Federal funds available from the Water Resources Council (\$79,310.50) were utilized for comprehensive water and related land resources planning.

Cash fund expenditures totaled \$337,817.31 during fiscal year 1977-78: \$18,419.50 was expended in connection with a contract between the Commission and the Central Platte NRD whereby the NRD reimburses the Commission for topographic mapping work; \$309,536.61 was expended for land rights as part of the Watershed & Flood Control Fund; and \$9,861.20 was used for the Natural Resources Data Bank.

The following five tables display the Commission's fiscal transactions for 1977-78:

TABLE I. ALL FUNDS EXPENDITURES BY PROGRAM AREA

Departmental Administration	\$ 167,220
Watershed & Flood Control Fund	
Fund	387,512
Fund Administration	26,033
Soil Surveys	50,000
Water Conservation Fund	5,246
Resources Development Fund	
Fund	87,103
Fund Administration	23,277
District Operations	57,225
Projects Planning	
Kelsh - Central Platte NRD	16,830
Kelsh - Commission	53,737
Engineering	5,583
Surveys	106,128
SCS Assistance	
Watershed Planning	13,000
Engineering	20,500
Flood Plain Management	105,565
Comprehensive Planning	205,000
Water Quality Planning	553,459
Natural Resources Data Bank	114,896
Ground Water Recharge Project	<u>25,000</u>
TOTAL	\$2,023,314
General Funds	\$1,229,452
Federal Funds	456,045
Cash Funds	337,817

TABLE II. EXPENDITURES BY OBJECT

<u>Personnel</u>		
Salaries	\$714,083.32	
Per Diems	9,000.00	
Retirement	20,248.33	
Social Security	39,786.89	
Unemployment	1,122.00	
Life Insurance	620.38	
Tuition Assistance	10.50	
Health Insurance	<u>20,992.96</u>	\$805,864.38
<u>Operating Costs</u>		
Postage	9,352.74	
Telephone	7,853.61	
Data Processing	19,199.74	
Printing	23,096.94	
Insurance	116.35	
Dues & Subscriptions	1,153.50	
Conference Expense	7,699.07	
Office Rent	30,742.30	
Office Equipment Rental	2,942.50	
Data Processing Equipment Rental	4,788.17	
Office Equipment Repair	1,229.64	
Automotive Repair	1,824.11	
Technical Equipment Repair	417.54	
Water Quality Sampling (USGS)	59,517.50	
Groundwater Recharge Project	25,000.00	
Flood Plain Management Consultant	33,736.56	
208 Consultants	337,897.60	
Other Consulting Services	14,391.67	
Soil Surveys	<u>50,000.00</u>	\$630,959.54
<u>Supplies</u>		
Office Supplies	6,687.75	
Engineering Supplies	7,581.44	
Gas, Oil, Tires, Etc.	<u>4,527.99</u>	\$18,797.18
<u>Travel</u>		
Board and Room	17,217.17	
Commercial Fares	11,642.69	
State Fares (car & airplane)	11,669.23	
Mileage	<u>14,198.02</u>	\$54,727.11
<u>Capital Outlay</u>		
Office Equipment	12,875.07	
Technical Equipment	<u>25,476.01</u>	\$38,351.08
Watershed & Flood Control Fund		\$387,511.80
Development Fund		<u>\$87,102.57</u>
TOTAL		\$2,023,313.66

TABLE III. SMALL WATERSHED CASH FUND (2551)

Balance Forward (7-1-77)		\$849,776.30
Receipts		
Interest <u>1/</u>	65,546.59	
Rental Income	15,874.00	
Land Sales or Transfers	285,725.00	
Return of Condemnation Deposits	<u>359,335.00</u>	<u>726,480.59</u>
Total Cash Available		\$1,576,256.89
Expenditures		
Land Rights	<u>303,256.31</u>	<u>303,256.31</u>
Balance Carried Forward to Fiscal Year 1979		\$1,273,000.58
<u>1/</u> Average daily investment \$1,008,269; average interest rate - 6.50%		

TABLE IV. SOIL & WATER CONSERVATION CASH FUND (2660)

Balance Forward (7-1-77)		\$34,037.44
Receipts		
Interest <u>1/</u>	2,541.47	
Flood Plain Permit Application Fees	250.00	
Lincoln - \$240.00		
Papillion - \$10.00		
Data Bank Fees (158 requests)	6,004.24	
Data Bank Services - Health Dept.	10,000.00	
Central Platte NRD Agreement	<u>18,544.31</u>	<u>37,340.02</u>
Total Cash Available		\$71,377.46
Expenditures		
Central Platte NRD Agreement	18,419.50	
Natural Resources Data Bank	<u>9,861.20</u>	<u>28,280.70</u>
Balance Carried Forward to Fiscal Year 1979		\$43,096.76
<u>1/</u> Average daily investment \$39,323; average daily interest rate - 6.46%		

TABLE V. FEDERAL FUND (4552)

Balance Brought Forward (7-1-77)		\$23,506.20
Receipts		
Water Resources Council	80,020.00	
EPA - Section 208	370,000.00	
Interest <u>1/</u>	<u>912.27</u>	<u>450,932.27</u>
Total Federal Funds Available		\$474,438.47
Expenditures		
Water Resources Council Funds	79,310.50	
EPA Funds - Section 208	<u>376,734.49</u>	<u>456,044.99</u>
Balance Carried Forward to Fiscal Year 1979		\$18,393.48
<u>1/</u> Average daily investment \$14,110; average daily interest rate - 6.47%		

LEGAL DIVISION

The Commission's Legal Division consists of one full-time attorney and a secretary. The attorney advises the Commission and its staff on all legal questions regarding program implementation and operation. In this role, the Legal Division performs numerous tasks including preparation and revision of rules and regulations, preparation and review of contracts, review and interpretation of legislation, preparation and presentation of testimony at public hearings and serving as hearing examiner for Commission hearings. The Commission's Legal Counsel is often called upon by Natural Resources Districts, other political subdivisions and the general public to comment on legal questions about water and related land resources.

Again this year the Commission's Legal Counsel devoted a considerable amount of time with legislative matters: i.e., reviewing legislation and amendments as introduced, preparing a weekly legislative report for broad distribution, preparing testimony for the purpose of presenting Commission positions on legislation, and assisting members of the Legislature with preparation and interpretation of legislation involving natural resources.

Two additional tasks which required a great deal of input on the part of the Legal Counsel during fiscal year 1977-78 were: 1) preparation of rules and regulations and operating procedures for the Nebraska Water Conservation Fund and the Resources Development Fund and 2) participation in preparation and review of option papers relating to federal water policy as a representative of states' interests.

A responsibility undertaken just prior to the conclusion of FY 1977-78 was the chairmanship of the policy work group for the development of a work plan for the acceleration and redirection of the State Water Planning Process. This activity is expected to continue through most of the first half of 1978-79 fiscal year.

PLANNING DIVISION

The Commission's Planning Division, consisting of twenty-six staff members, includes three sections: the Comprehensive Planning Section, Natural Resources Data Bank Section, and Water Quality Planning Section.

Comprehensive Planning - In response to L.B. 957, the Commission established a Work Plan Development Committee composed of representatives of state and federal agencies to develop a Work Plan for redirecting and accelerating development of the State Water Plan. The Committee and its work groups started on the development of a State Water Planning and Review Process to structure the work to be included in the Work Plan when it is submitted on November 15, 1978. During this period, planning efforts in the Blue Basins that will be compatible with the revised process were continued.

The following work was done on the Blues:

1. Development of the groundwater model progressed to operation of the steady-state water table conditions, verification of historical conditions in the Little Blue NRD area, projection of future conditions in those areas, and preliminary verification of the other five areas.
2. Flood routing programs, utilizing standard programs of the Corps of Engineers and Soil Conservation Service, have been developed for the Big Blue Basin. The SCS program has been used for preliminary evaluation of flood control plans.
3. A method of evaluating irrigable soils was developed for use in projecting future irrigation.
4. A contract between the Corps of Engineers and the University of Nebraska to secure flood damage data for the Commission was completed and the data was processed for plan evaluation.

5. The preliminary investigation of potential flood control structures above Crete was continued. A complete array of potential structures, from very small to medium-sized, has been designed and flood routing has been started.

6. Analysis of flood damages on the Big Blue River in Gage, Saline and Seward counties were completed for evaluation of preliminary plans.

In addition, the following work has been done in other areas:

1. The preliminary report on the flood control project for the city of Wauneta has been published as an appendix to the Republican River Basin Plan.

2. The University of Nebraska Computer Science Department developed programs for entering soils data into the computer by machine and adaptation of the programs to the Commission's system was started.

3. A considerable amount of time and work was contributed to Missouri River Basin Commission programs; including the program review, the prioritization process, the framework update/national assessment, and the comprehensive, coordinated, joint plan (CCJP).

Water Quality Planning - Work on the State Water Quality Plan required by Section 208 of Public Law 92-500 continued. Contracts were made with 12 cooperating agencies to conduct part of the work, and several of the agencies finished their work during the fiscal year. Work items completed were: assessment of water quality, review of water quality standards, assessment of point and nonpoint pollution sources, selection of problems to address in the plan, selection of technical measures to correct the problems, and identification of possible management arrangements to correct the problems. All these work items were conducted with assistance from the 13 Policy Advisory Committees. The State Water Quality Plan is to be completed May 1, 1979.

Other activities of the Water Quality Planning Section include review of proposed projects and plans which may affect water quality, involvement with several environmental committees, and miscellaneous efforts to educate the public about water quality programs.

Natural Resources Data Bank - The Data Bank stores, processes and retrieves basic data related to soil and water resources of the state. The climatological and surface water data consisting of rainfall, temperature, snowfall, evaporation, wind movement, peak flow, and stream flow records have been stored. These data are updated annually.

Other data which are stored and processed include: canal diversions, reservoir storage, inventory of dams, surface water rights and well registration data obtained from the Department of Water Resources.

Because well registration information is useful to the NRD's, the counties and the public, it is updated every three months. The surface water rights data is published in biennial reports and is presently updated every two years. Canal diversions, reservoir storage, miscellaneous discharges, and dam inventory data are updated every year.

Public Health Drinking Water data collected by the Department of Health is also processed in the Data Bank on a contractual basis. The laboratory results are updated every week.

Water quality data has been acquired from the U.S. Environmental Protection Agency. The data can be retrieved by station location, water quality parameter, and collecting agency. It is updated every two years.

Groundwater levels data acquired from the Conservation and Survey Division of the University of Nebraska is also updated every year. All of the above information can be retrieved by county, NRD, and station location for any period. Center pivot irrigation information has been processed and stored.

Land use data for Sarpy County was processed on a trial basis. Soil interpretative maps have been produced and displayed for Sarpy, Seward, and Gage counties. The soil surveys for Thayer, Webster, Douglas, Hall, Jefferson, Dodge, Polk and Phelps counties have been digitized, processed and stored in the Data Bank.

The crop statistics data collected from the Nebraska Crop and Live-stock Reporting Service has been stored and processed to display means, deviations, and future projections of various crop yields, acreages, and productions. The storage of demographic data is in progress.

During the past year, 360 requests for retrieval of specific data were received from counties, NRD's, state agencies, federal agencies, and the public. This data is provided to the users on a cost basis charged to the extent of execution costs paid for the computer runs. A revised user's manual was published in March 1978 to assist users with the facility and operation of the Natural Resources Data Bank.

OPERATIONS DIVISION

The Commission's Operations Division includes twenty-six employees and is responsible for carrying out the following programs: the Resources Development Fund, the Watershed and Flood Control Fund, the Water Conservation Fund, the Flood Plain Management Program, Projects Assistance and District Operations.

Small Watershed Flood Control Fund - The total expenditure during 1977-78 for both title and easement was \$381,231.50. As of 6-30-78 the Commission had approved appraisals and committed funds for both fee title and easement for seventeen separate land rights in the total amount of \$1,094,226. Negotiations are underway on all of these tracts and it is anticipated that the NRD's involved will be asking for these funds during fiscal year 1978-79.

During the year, three tracts of land involving 495 acres were sold at auction for a total amount of \$260,725. The purchase price of those three tracts of land was \$162,712. An amount of \$25,000 was received from the City of Norfolk as a partial payment on a transfer of 223.3 acres acquired in 1969 and on which the unpaid balance is \$53,339.69. Table VII provides a summary of sales and transfers.

Since the authorization of the Small Watershed Flood Control Fund by the 1963 Legislature, over three million dollars have been spent on land rights for flood control projects with \$2,850,380 having been expended for fee title acquisition of 76 separate tracts of land in 21 different projects and \$818,998 having been expended for 92 separate easements in 19 different projects. Ten parcels of land have been transferred to public bodies for public use at their purchase price and thirty-one parcels have been sold at public auction for \$1,459,649 or approximately fifty-three percent more than their purchase price of \$953,145.

District Operations - One staff member is assigned the primary responsibility of maintaining liaison with the Natural Resources Districts and carrying out the Commission's assigned duties with regard to District elections, audits, budgeting and related activities.

Resources Development Fund - During the past fiscal year four additional Resources Development Fund projects were approved by the Commission for grant funding. Five projects had been previously approved. The four new projects - Oliver Reservoir, Buffalo Creek Flood Control Project, Summit Lake Multipurpose Structure and Rawhide Flood Control Project - are scheduled to initiate construction during fiscal year 1979.

The Oliver Reservoir Project is sponsored by the South Platte NRD and is located on Lodgepole Creek in Kimball County. The project involves rehabilitation of an old dam which stored water for an irrigation project and development of the reservoir for recreation use. The Buffalo Creek Project is a watershed-type project in Dawson County and will involve thirteen small flood control structures. The Summit Lake Project is a multi-purpose (flood control and recreation) site in the Tekamah-Mud P.L. 566 project. Resources Development Funds will be utilized to cost-share on the non-federal share of the project costs. The Rawhide Flood Control Project is located in Dodge County, adjacent to the City of Fremont and includes one reservoir and several miles of channels.

The nine projects approved as of the end of fiscal year 1978 will involve a total of \$5,060,494.48 of Resources Development Funds. However, only \$3,509,703.48 has been obligated for all or separable portions of these nine projects. Only one project - the Maskenthine multipurpose structure in the Lower Elkhorn NRD - has been completed. It is anticipated that the remainder of the five million dollar appropriation to the Resources Development Fund will be obligated by early 1979. At the end of fiscal year 1978 sixteen projects, which, if approved, would involve approximately fifteen million dollars of Resources Development Funds, were in some stage of application preparation or review. A summary financial status for approved projects is as follows:

<u>Project Name</u>	<u>PROJECTS APPROVED FOR FUNDING</u>		<u>Amount Expended</u>
	<u>Amount Approved</u>	<u>Amount Obligated</u>	<u>To 6-30-78</u>
Maskenthine *	\$ 300,000.00 Grant	\$ 269,978.98	\$269,978.98
Cub Creek	67,575.00 Grant	67,575.00	49,218.75
Crystal Lake	80,625.00 Grant	80,625.00	45,182.08
Walnut Creek	286,945.50 Grant	286,945.50	6,532.57
McCook	512,000.00 Grant	512,000.00	14,614.30
Oliver Reservoir	808,500.00 Grant	808,500.00	
Buffalo-Dawson	1,509,270.00 Grant	718,500.00	
Summit Lake	410,325.00 Grant	410,325.00	
Rawhide	<u>1,115,275.00 Grant</u>	<u>355,254.00</u>	
	\$5,060,494.48	\$3,509,703.48	\$385,526.68

* Project Completed.

Water Conservation Fund - The Nebraska Water Conservation Fund, established by statute in 1977, was funded in fiscal year 1978 only for the expenses of an Advisory Board which was created to prepare a recommendation to the Governor and the Legislature as to how the Fund should be administered, funded and distributed. The essential recommendations of the Advisory Board were as follows:

1. That the initial level of funding be established at \$1,000,000.
2. That eligible practices be terraces and terrace outlets, irrigation reuse pits, dams and grade stabilization structures.
3. That the program would be administered locally by NRD's.
4. That the program will have no limit as to the amount that can be expended to one landowner in any given year.
5. That the cost-share rate will generally be 75% of average or actual costs, whichever is less.
6. That these funds will be utilized only after all available federal funds are obligated.
7. That 50% of available funds be initially allocated equally among the NRD's with the remaining 50% reserved for high need areas.

Late in fiscal year 1978, the Commission adopted rules and regulations to implement the program based upon the recommendations of the Advisory Board. The Legislature appropriated \$500,000 for the fund for fiscal year 1979.

Watershed Program - Since 1958, the Commission has provided all of the survey assistance for the planning of P.L. 566 watershed projects as accomplished by the Soil Conservation Service. Beginning in 1965 the Commission also has provided topographic mapping services for the watershed planning work. The Commission also provides an engineering technician to work with the SCS Watershed Planning Party and two engineers to assist with design work in the state SCS engineering office.

During the past year the SCS requested only a minimal amount of survey and topographical mapping assistance on watershed projects. About twenty percent of the Commission's surveying and topographic mapping capability was required for watershed projects in 1977-78, some of which was for projects already authorized for construction.

No new watershed projects were authorized for installation during fiscal year 1978. The number of authorized projects, not counting the four pilot projects, is forty-three; fifteen of which are completed. Watershed construction declined from its fiscal year 1977 peak of nearly four million dollars to \$3,763,319 in fiscal year 1978 which was obligated for nineteen structures. This construction total was, however, the second highest annual watershed construction total. There still remains an authorized construction backlog of approximately ten million dollars.

Flood Plain Management - During fiscal year 1978, one public hearing was held, which resulted in Commission orders being issued for Crete, Nebraska. This hearing involved Corps of Engineers flood plain information data.

Two public hearings are anticipated for fiscal year 1979 using delineations prepared by the Commission staff.

Enforcement of flood plain regulations ended in Lincoln and Papillion on March 1, 1978. Both Lincoln and Papillion adopted adequate Flood Plain Zoning Ordinances effective on March 1, 1978 as a result of the National Flood Insurance Program. The Commission is active in an advisory role to both towns.

The expanded program of flood plain delineation which got underway in fiscal year 1975 has resulted in completed delineations of Commission and selected floodways on the Big Blue River in Saline County. This work has been published. Work is being completed on a flood plain report for Seward County. Stereo photography is completed and field work is in progress to complete the Big Blue River mainstem delineation. Considerable work has been expended in cooperation with the Department of Water Resources (L.B. 108) in flood plain evaluation in Hebron and Deshler.

The state coordinator for the National Flood Insurance Program provided technical assistance to the majority of the 340 communities with designated flood prone areas. Assistance was rendered regarding local regulations in order to meet federal criteria for flood insurance eligibility. Also, liaison between local and federal agencies on specific local problems was established. Further, the state coordinator assisted federal agencies in obtaining data on Nebraska's flood plain areas. A contract for basic hydrologic field data (surveying) was negotiated with Hoskins, Inc. for the Upper Big Blue area. This work supplements the work being done by our own survey crews.

Special Projects - Special Projects came into being with the inception of NRD's as the result of their involvement in projects not resulting from existing federal programs. These projects have caused the NRD's to seek technical assistance wherever they could find it. Commission policy provides for the availability of preliminary engineering, surveying and topographic mapping assistance to NRD's upon Commission approval.

During fiscal year 1978 the survey, topographic mapping and engineering design capability of the Commission's Operations Staff was utilized on special

projects being investigated and/or planned by ten different NRD's.

The survey crews were involved in making site surveys or obtaining Kelsh Control on eight projects, the Topographic Mapping Section was involved in plotting and drafting for ten projects, and preliminary designs were accomplished on five projects.

Approximately one-fourth of the Commission's survey and topographic mapping capability was utilized on these special projects during fiscal year 1978. A summary of the Commission's surveying, topographic mapping and preliminary engineering assistance on special projects, P.L. 566 watershed projects and flood plain management is included in Table VIII, with estimates of the cost of these services on each project. The figures presented are incomplete in that much work was accomplished on some projects in previous years and additional work is yet to be accomplished on others.

TABLE VI
EXPENDITURE OF SMALL WATERSHED FLOOD CONTROL FUNDS
FY 1977-78

Sponsor/Project	Title	Easement
Lower Big Blue NRD		
Cub Creek 9-B	\$ 88,542.50	
Cub Creek 9-B		\$ 289.00
Middle Missouri NRD		
Tekamah-Mud 22-A		2,500.00
Middle Republican NRD		
Medicine Creek 160		55,000.00
Lewis & Clark NRD		
Aowa Creek 63-1A		7,650.00
Nemaha NRD		
Wilson Creek 12-5	155,250.00	
Wilson Creek 10-E	<u>72,000.00</u>	
	\$315,792.50	<u>\$65,439.00</u>
TOTAL EXPENDITURES:	\$381,231.50	
General Fund	77,975.19	
Cash Fund	303,256.31	

STATUS OF WATERSHED AND FLOOD CONTROL FUND
(6-30-78)

Funds in Realty at Cost	\$1,053,148.68
Cash Fund Balance	<u>1,273,000.58</u>
Total Asset Base	\$2,326,149.26

TABLE VII
TRANSFER OF LAND PURCHASED WITH SMALL WATERSHED FLOOD CONTROL FUNDS
FY 1977-78

Sponsor/Project	Reimbursement	Sales	Purchase Price
City of Norfolk Corporation Gulch	\$25,000.00 ^{1/}		\$ 25,000.00
Nemaha NRD			
Upper Big Nemaha 15-E (160 Ac.)		\$100,000.00	59,052.00
Upper Big Nemaha 15-D (255 Ac.)		141,525.00	90,160.00
Lower Big Blue NRD			
Plum Creek 4-C (80 Ac.)		<u>19,200.00</u>	<u>13,500.00</u>
Subtotals	\$25,000.00	\$260,725.00	\$187,712.00
GRAND TOTAL	<u>\$285,725.00</u>		

^{1/} Partial payment by City of Norfolk. Original purchase of 223.2 acres in June, 1969 was in the amount of \$198,339.68 and the remaining unpaid balance as of 6-30-78 is \$53,339.68

TABLE VIII
SUMMARY OF PROJECTS PLANNING EXPENDITURES BY PROJECT
Fiscal Year 1977-78

<u>P.L. 566 Projects</u>	<u>Surveys</u>	<u>Kelsh</u>	<u>Engineering</u>	<u>Total</u>
Bone Creek	\$ 3,855	\$ 150		\$ 4,005
Tekamah-Mud		270		270
Stevens-Callahan	19,049	16,490		35,539
Wolf-Wildcat	<u>227</u>	<u>990</u>		<u>1,217</u>
	\$23,131	\$17,900		\$41,031
<u>Special Projects</u>				
Battle Creek			\$1,930	\$ 1,930
Beaver Creek	\$ 454	\$ 780		1,234
Buffalo-French	1,134	2,475		3,609
Clarks		1,470		1,470
Diehl Lake			691	691
Lewellen	1,134	2,256		3,390
Nance Co.-West	4,310	2,436		6,746
Overton		2,950		2,950
Silver Creek	227	840	1,391	2,458
Wauneta			539	539
White River	5,442	3,540		8,982
Wood River	680	2,490		3,170
Voigt Dam	<u>4,535</u>	<u>330</u>	<u>1,032</u>	<u>5,897</u>
	\$17,916	\$19,567	\$5,583	\$43,066
<u>Flood Plain Management</u>				
Big Blue River				
Mainstem	\$31,745	\$12,800		\$44,545
W. Fork	26,986	2,240		29,226
Hebron	907			907
Deshler	454			454
Millard	3,402	1,230		4,632
Oak Cr.-Lincoln	<u>1,587</u>			<u>1,587</u>
	\$65,081	\$16,270		\$81,351
GRAND TOTAL	<u>\$106,128</u>	<u>\$53,737</u>	<u>\$5,583</u>	<u>\$165,448</u>