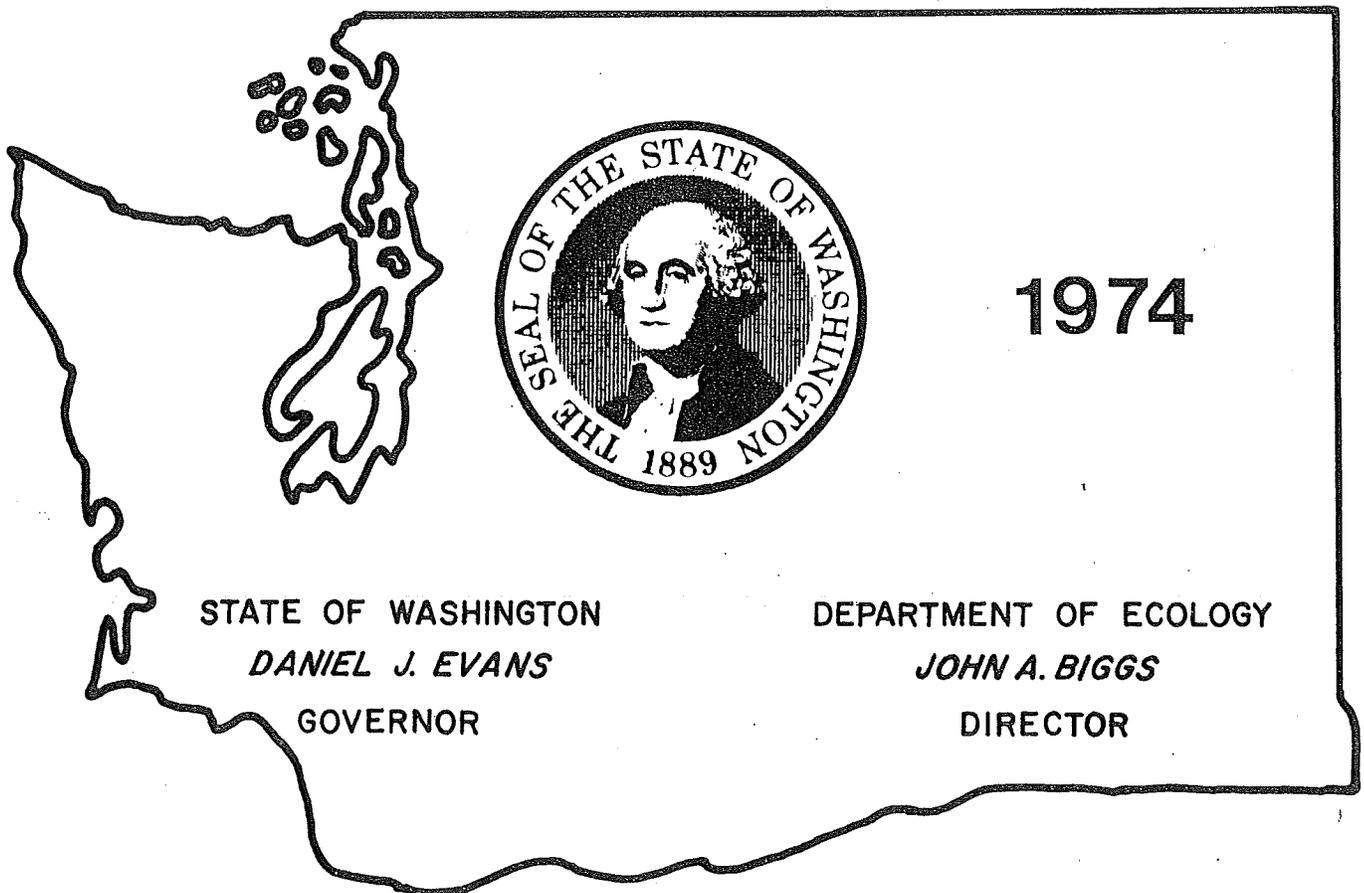


PART I - SUMMARY REPORT

INVENTORY AND RECONNAISSANCE
OF IRRIGATION DISTRICTS
IN THE STATE OF WASHINGTON



FOR
STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

URS / HILL, INGMAN, CHASE & CO.

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PART I – SUMMARY REPORT

**A Reconnaissance Survey
and Inventory Report**

on

IRRIGATION DISTRICTS

IN THE

STATE OF WASHINGTON

Prepared for

THE STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

by:

**URS/HILL, INGMAN, CHASE & COMPANY
Consulting Engineers & Analysts**

August 1974

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We wish to express our appreciation for the competent assistance and excellent cooperation offered throughout the development of this report to the following officials.

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

Eugene Wallace
George E. Krill
Claude E. Lakewold

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PROJECT STAFF

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NOTE: Data on the Inventory and Reconnaissance of Irrigation Districts in the State of Washington are presented in three individually bound parts.

PART I – SUMMARY REPORT

PART II – DETAILED DATA BY DISTRICT and

PART III – IRRIGATION DISTRICT ATLAS

INTRODUCTION

This Reconnaissance Survey and Inventory Report on Irrigation Districts in the State of Washington has been prepared at the direction of the State of Washington Department of Ecology. The data developed in the report will be a substantial aid to the better overall understanding of the present status of irrigation district operations and needs as well as their future requirements for improvements.

The Report contains detailed information concerning each of the 92 irrigation districts in the State of Washington. Personal interviews were conducted at the headquarters of each district to obtain the basic operating and facility data. Existing records at the several County Courthouses under the jurisdictions of the County Auditors, County Treasurers, County Assessors, County Engineers and County Planners were researched to obtain additional information. Data and maps were also secured from the U.S. Bureau of Reclamation and U.S. Geological Survey.

All statistical information is presented as it was given to the interviewers by management and operating personnel at the various districts. The scope of this project did not provide for an independent appraisal by the interviewers of all of the physical plant, present and future needs, crop data or operating methods of the districts. Estimated figures have been used for some of the data in cases where no actual records were kept or where the data has been lost or destroyed by fire. The estimates were prepared by the researchers based on many years experience with irrigation systems and such data items are so noted in the data tabulation sheets. In most instances, the cooperation and assistance experienced at the districts was excellent.

Detailed data on each irrigation district is reported in Part II of this report under separate cover.

Maps showing the districts are bound separately and noted as Part III to the report. Copies of the State Examiners Reports for each irrigation district and the County Auditors Reports, where available, accompany the Report for general information purposes.

PURPOSE

The Washington Future Program, approved in 1972 provides up to \$25 million to be expended by 1980 on agricultural water supply for those public bodies or legal entities qualifying under the terms and conditions established within the framework of Referendum 27. Administration of that portion of Referendum 27 relating to agricultural water supply is charged to the Department of Ecology (DOE).

A problem confronting the DOE has been the lack of information on the current status of irrigation districts. Such information is necessary to develop a statewide priority system for administering funding assistance to those irrigation districts in need of rehabilitation, modification or expansion.

The purpose of this report is to provide information and data to aid in the development of guidelines and policy for allocating Referendum 27 funds to the betterment of irrigation districts. To this end the report presents an in-depth analysis of the State's 92 existing irrigation districts.

ACCURACY OF DATA

The majority of irrigation districts have supplied accurate data for the compilation of this report. However, a few districts have not maintained the depth of records which are desirable and therefore, some of them were unable to furnish all of the data requested. In such cases the best estimates available were obtained from the individuals who are most knowledgeable on the district's operation and history. Estimated data is noted as such in the Report.

The locations of the boundaries of a few districts where no accurate legal descriptions or maps are available have been shown on the report maps as accurately as the best information from the most knowledgeable district and County officials will permit.

RECOMMENDATIONS

This report generally covers the years 1972 and 1973 activities in the irrigation districts with the addition of some notes regarding events which have occurred in 1974.

From the data obtained during the inventory interviews at the irrigation districts a number of significant factors became apparent. Following are discussions and recommendations concerning some of the more important factors.

Thirty-four percent of the districts do not measure their rate of water diversion and fifty-seven percent do not know their total annual water use. A program should be initiated to recommend and urge that all districts provide and continuously maintain adequate measuring and recording facilities. Such data will assist the districts to improve their efficiency of operation, minimize waste, and provide valuable data for effective advance planning of needed improvements. The data will also be of great value for regional water use planning.

The extent of information made available to the interviewer regarding anticipated future financial needs for district modifications seems to indicate that additional planning efforts would be immediately beneficial to more than one-half of the districts. A program to aid and encourage districts to perform advance planning would stimulate the effort in this direction. A properly conducted public relations program will be necessary to reduce the existing natural reluctance on the part of many individuals to participate in governmental programs. Rural communities which most irrigation districts serve are, by and large, composed of strongly independent people who do not readily accept the strict jurisdiction sometimes associated with governmental type grant-in-aid programs. Therefore, if a program is to be effective it should appeal to the districts to help themselves with suggested planning efforts, and if they desire, loans or grants could be made, available to assist in the more financially difficult cases. Advanced planning by each district would be mutually beneficial to all districts because the overall regional problems and needs would be clarified

and therefore better understood. Some districts need additional water supply now and most will require additional supply in the future. If the available water sources are to be properly developed and fairly apportioned all possible knowledge must be gained by those who will be responsible for the comprehensive planning and funding effort which is necessary.

There are some possible consolidations of existing irrigation districts which should be given further study. This is a delicate matter in most cases and the desires and rights of the individual communities must be respected. In cases where the separate districts are in close proximity, similar in existing facilities as to quality and condition, outstanding indebtedness is comparable, the communities are compatible, and where consolidation would be mutually beneficial; then an effort should be made to assist these districts with the required legal procedures. Such proceedings could conceivably be part of a joint improvement project.

Following are some groups of districts for which further study of the possibilities of consolidation may be justified:

Tonasket Vicinity:

Oroville - Tonasket Irrigation District
Aeneas Lake Irrigation District

Okanogan Vicinity:

Okanogan Irrigation District
Alta Vista Irrigation District

Chelan Vicinity:

Lake Chelan Reclamation District
Greater Wenatchee Irrigation District
Chelan River Irrigation District
Isenhart Irrigation District
Chelan Falls Irrigation District

Cashmere Vicinity:

Peshastin Irrigation District
Icicle Irrigation District
Wenatchee Reclamation District

Wenatchee/Malaga Vicinity:

Beehive Irrigation District
Wenatchee Heights Reclamation District
Stemilt Irrigation District
Millerdale Irrigation District
Lower Squilchuck Irrigation District

Wenatchee/Rock Island Vicinity:

Wenatchee Reclamation District
Greater Wenatchee Irrigation District

Ellensburg Vicinity:

Kittitas Reclamation District
Cascade Irrigation District.

Yakima/Prosser Vicinity:

Roza Irrigation District
Terrace Heights Irrigation District

Sunnyside Valley Irrigation District
Zillah Irrigation District
Outlook Irrigation District
Buena Irrigation District
Snipes Mountain Irrigation District
Prosser Irrigation District
Grandview Irrigation District
Kiona Irrigation District
Benton Irrigation District

Kennewick Vicinity:

Kennewick Irrigation District
Columbia Irrigation District

Touchet Vicinity:

Eastside Irrigation District No. 6
Westside Irrigation District No. 5
Lowden Irrigation District No. 2
Mud Creek Irrigation District No. 7
Gardenia Farms Irrigation District No. 13
Touchet Valley Irrigation District No. 16

Walla Walla Vicinity:

Blalock Orchard Irrigation District No. 12
Consolidated Irrigation District No. 14
Green Tank Irrigation District No. 11
Artesia Irrigation District No. 8
Orchard Irrigation District No. 10
Hydro Irrigation District No. 9

Spokane Vicinity:

Consolidated Irrigation District No. 19
Model Irrigation District No. 18
Hutchinson Irrigation District No. 16
Moab Irrigation District No. 20
Orchard Avenue Irrigation District No. 6

In some cases records of irrigation district boundaries have not been kept up to date. It may take court actions to legally establish the district boundary.

Complete and up-to-date maps would be of substantial benefit to all districts. A few of the districts have good mapping of their systems, however, many of the districts' maps are old and incomplete and some have no maps. The districts should be urged to update their mapping procedure as a necessary tool for planning as well as maintenance purposes.

In the field of business management and accounting a number of problem areas were encountered during the inventory process. Following are some brief comments and suggestions that would aid in the improvement of overall recording procedures.

1. Irrigation districts should maintain up-to-date records in their own offices of all long-term obligations.
2. County Treasurers and Auditors should keep separate records of all long-term obligations for the irrigation districts.
3. Class A Counties should not use the "Common Fund" method of accounting for irrigation districts. The common fund method is utilized in the County Auditor annual reports wherein funds of all irrigation districts within Class A counties are consolidated.
4. Resolutions should be sent to the County Treasurer's each year by the irrigation districts instructing the Treasurers as to the assessment rate to be applied in the succeeding year.
5. There appears to be a lack of uniformity in requirements, decisions and suggestions conveyed to irrigation districts by State examiners. It is suggested that a simplified set of guide instructions be published and utilized by the irrigation districts and State examiners alike.
6. An information publication regarding State loans and grants should be made available to irrigation districts. The publication should outline the programs for loans and grants, the prerequisites which must be satisfied, describe how the applications are processed and how the funds are administered for approved projects.

LIST OF TABLES

Following are five tables that provide various functions in the utilization of this report. Table 1 presents the 92 irrigation districts in alphabetical order for quick reference. Each district is given a report number and is numbered consecutively by alphabetical order from 1 to 92. The report number refers to the individual detailed inventory report for each district which is bound under separate cover and is titled Part II - Detailed Data By District.

Table 2 sets forth the list of irrigation districts according to the county in which they are located. The report number is also given for additional ease of usage and cross-referencing between Part II and also Part III of this report which is titled Irrigation District Atlas and is under separate cover.

Table 3 presents a summary of the irrigation districts which provide water only for domestic purposes.

Table 4 summarizes the reservoirs that are utilized by the various districts along with reservoir capacities and the percentage of water allotted each district.

Table 5 sets forth an overall summary of the detailed information contained in Part II of this report.

TABLE 1
ALPHABETICAL LIST OF IRRIGATION DISTRICTS

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER

REPORT NO.	DISTRICT NAME
1	Aeneas Lake Irrigation District c/o Wilder, Pine Creek Star Route Tonasket, Washington 98855 Okanogan County
2	Agnew Irrigation District Route 4, Box 1066 Sequim, Washington 98382 Clallam County
3	Ahtanum Irrigation District 506 Miller Building Yakima, Washington 98901 Yakima County
4	Alta Vista Irrigation District P.O. Box 1091 Okanogan, Washington 98840 Okanogan County
5	Artesia Irrigation District No. 8 330 Artesia Walla Walla, Washington 99362 Walla Walla County
6	Beehive Irrigation District Route 1, Box X249 Wenatchee, Washington 98801 Chelan County
7	Benton Irrigation District Benton City, Washington 99320 Benton County
8	Blalock Irrigation District No. 3 Route 2, Box 125 Walla Walla, Washington 99362 Walla Walla County
9	Blalock Orchard Irrigation District No. 12 Route 5, Box 137 Walla Walla, Washington 99362 Walla Walla County
10	Brewster Flat Irrigation District Route 1, Box 65-B Brewster, Washington 98812 Okanogan County

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
11	Bridgeport Bar Irrigation District RR 1 Brewster, Washington 98812 Douglas County
12	Bridgeport Irrigation District No. 1 Box 17972 Bridgeport, Washington 98813 Douglas County
13	Buena Irrigation District P.O. Box 205 Zillah, Washington 98953 Yakima County
14	Burbank Irrigation District No. 4 P.O. Box 927 Pasco, Washington 99301 Walla Walla County
15	Carnhope Irrigation District No. 7 4821 E. 6th Avenue Spokane, Washington 99206 Spokane County
16	Cascade Irrigation District P.O. Box 396 Ellensburg, Washington 98926 Kittitas County
17	Chelan Falls Irrigation District P.O. Box 29 Chelan Falls, Washington 98817 Chelan County
18	Chelan River Irrigation District P.O. Box 597 Chelan, Washington 98816 Chelan County
19	Cline Irrigation District Route 3, Box 209 Sequim, Washington 98382 Clallam County
20	Columbia Irrigation District 10 East Kennewick Avenue Kennewick, Washington 99336 Benton County

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
21	Columbia Water and Power Irrigation District P.O. Box 231 Paterson, Washington 99345 Benton County
22	Consolidated Irrigation District No. 14 NW "B" Street College Place, Washington 99324 Walla Walla County
23	Consolidated Irrigation District No. 19 North 120 Greenacres Road Greenacres, Washington 99016 Spokane County
24	Dungeness Irrigation District Route 3, Box 643 Sequim, Washington 98382 Clallam County
25	East Columbia Basin Irrigation District P.O. Box E Othello, Washington 99344 Adams County (Also in Grant County, Franklin, & Lincoln)
26	East Side Irrigation District No. 6 Rt. 1, Box 145 Touchet, Washington 99360 Walla Walla County
27	Entiat Irrigation District P.O. Box 365 Entiat, Washington 98822 Chelan County
28	Franklin County Irrigation District P.O. Box 353 Pasco, Washington 99301 Franklin County
29	Gardena Farms Irrigation District No. 13 Route 1, Box 5 Touchet, Washington 99360[Walla Walla County
30	Grandview Irrigation District P.O. Box 188 c/o Phillip Noon Grandview, Washington 98930 Benton County (Also in Yakima County)

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
31	Granger Irrigation District Route 1, Box 293 Granger, Washington 98932 Yakima County
32	Greater Wenatchee Irrigation District 3300 S.E. 8th Street East Wenatchee, Washington 98801 Douglas County (Also in Chelan County)
33	Green Tank Irrigation District No. 11 Route 5, Box 47 Walla Walla, Washington 99362 Walla Walla County
34	Helensdale Reclamation District P.O. Box 102 Malott, Washington 98829 Okanogan County
35	Hearn Irrigation District Rt. 1, Box 40 Dayton, Washington 99328 Columbia County
36	Highland Irrigation District Route 2, Box 177 Sequim, Washington 98382 Clallam County
37	Home Irrigation District Route 1, Box 293 Granger, Washington 98932 Yakima County
38	Hutchinson Irrigation District No. 16 East 8723 Boone Avenue Spokane, Washington 99206 Spokane County
39	Hydro Irrigation District No. 9 Rt. 2, Box 326 Walla Walla, Washington 99362 Walla Walla County
40	Icicle Irrigation District 308 S. Division Street Cashmere, Washington 98815 Chelan County

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
41	Isenhart Irrigation District P.O. Box 428 Chelan, Washington 98816 Chelan County
42	Kennewick Irrigation District P.O. Box 6900 Kennewick, Washington 99336 Benton County
43	Kiona Irrigation District P.O. Box 281 Benton City, Washington 99320 Benton County
44	Kittitas Reclamation District P.O. Box 276 Ellensburg, Washington 98926 Kittitas County
45	Lake Chelan Reclamation District P.O. Box J Manson, Washington 98831 Chelan County
46	Lowden Irrigation District No. 2 Lowden, Washington 99342 Walla Walla County
47	Lower Squilchuck Irrigation District Rt. 1, Box X 204 Wenatchee, Washington 98801 Chelan County
48	Methow—Okanogan Reclamation District Route 1, Box 11B Brewster, Washington 98812 Okanogan County
49	Methow Valley Irrigation District P.O. Box 546 Twisp, Washington 98856 Okanogan County
50	Millerdale Irrigation District 1340 S. Miller Wenatchee, Washington 98801 Chelan County

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
51	Moab Irrigation District No. 20 P.O. Box 81 Newman Lake, Washington 99025 Spokane County
52	Model Irrigation District No. 18 1506 South Pierce Road Spokane, Washington 99206 Spokane County
53	Moses Lake Irrigation & Rehab. District 1107 S. Baker Moses Lake, Washington 98837 Grant County
54	Mud Creek Irrigation District No. 7 Lowden, Washington 99342 Walla Walla County
55	Naches-Selah Irrigation District P.O. Box 56 Selah, Washington 98942 Yakima County
56	North Dalles Irrigation District P.O. Box 699 Dallesport, Washington 98617 Klickitat County
57	North Spokane Irrigation District No. 8 N. 7308 Crestline Spokane, Washington 99207 Spokane County
58	Okanogan Irrigation District Route 1, Box 169 Okanogan, Washington 98840 Okanogan County
59	Orchard Avenue Irrigation District No. 6 7415 E. Marietta Spokane, Washington 99206 Spokane County
60	Orchard Irrigation District No. 10 608 W. Birch Walla Walla, Washington 99362 Walla Walla County

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
61	Oroville-Tonasket Irrigation District P.O. Box H Oroville, Washington 98844 Okanogan County
62	Outlook Irrigation District Route 1, Box 132 Outlook, Washington 98938 Yakima County
63	Palisades Irrigation District Palisades, Washington 98845 Douglas County
64	Pasadena Park Irrigation District No. 17 8901 Upriver Drive Spokane, Washington 99206 Spokane County
65	Pateros Irrigation District Pateros, Washington 98846 Okanogan County
66	Peshastin Irrigation District 308 S. Division Street Cashmere, Washington 98815 Chelan County
67	Prosser Irrigation District 1221 Meade Avenue Prosser, Washington 99350 Benton County
68	Quincy-Columbia Basin Irrigation District P.O. Box 188 Quincy, Washington 98848 Grant County (Also in Adams County)
69	Roza Irrigation District P.O. Box 810 Sunnyside, Washington 98944 Yakima County (Also in Benton County)
70	Selah-Moxee Irrigation District P.O. Box 98 Moxee City, Washington 98936 Yakima County

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
71	Snipes Mountain Irrigation District P.O. Box 536 Sunnyside, Washington 98944 Yakima County
72	South Columbia Basin Irrigation District P.O. Box 1006 Pasco, Washington 99301 Franklin County (Also in Walla Walla, Adams, and Grant Counties)
73	Stemilt Irrigation District Route 1, Box X340-A Wenatchee, Washington 98801 Chelan County
74	Sunnyside Valley Irrigation District P.O. Box 239 Sunnyside, Washington 98944 Yakima County (Also in Benton County)
75	Terrace Heights Irrigation District 3804 West Lincoln Avenue Yakima, Washington 98902 Yakima County
76	Touchet Valley Irrigation District No. 16 P.O. Box 688 Waitsburg, Washington 99361 Walla Walla County (Also in Columbia)
77	Trentwood Irrigation District No. 3 E. 14117 Trent Road Spokane, Washington 99216 Spokane County
78	Union Gap Irrigation District 616 West First Street Wapato, Washington 98951 Yakima County
79	Vera Irrigation District No. 15 601 N. Evergreen Veradale, Washington 99037 Spokane County

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
80	Walla Walla Water & Power Irrigation District No. 18 1935 Hilbrooke Drive Walla Walla, Washington 99362 Walla Walla County
81	Wenas Irrigation District 3804 W. Lincoln Avenue Yakima, Washington 98902 Yakima, County
82	Wenatchee Chewawa Irrigation District Star Route, Box 70 Levenworth, Washington 98826 Chelan County
83	Wenatchee Heights Reclamation District Rt. 1, Box X281 Wenatchee, Washington 98801 Chelan County
84	Wenatchee Reclamation District 900 S. Wenatchee Avenue Wenatchee, Washington 98801 Chelan County (Also in Douglas County)
85	West End Irrigation District Route 1, Box 23 Dayton, Washington 99328 Columbia County
86	West Side Irrigation District No. 5 Rt. 1, Box 88B Touchet, Washington 99360 Walla Walla County
87	Whitestone Reclamation District Loomis, Washington 98827 Okanogan County
88	White Salmon Irrigation District Route 1, Box 395 White Salmon, Washington 98672 Klickitat County
89	Wolf Creek Reclamation District P.O. Box 315 Twisp, Washington 98856 Okanogan County

TABLE 1
IRRIGATION DISTRICTS BY ALPHABETICAL ORDER
(Continued)

REPORT NO.	DISTRICT NAME
90	Yakima Reservation Irrigation District 616 West First Street Wapato, Washington 98951 Yakima County
91	Yakima-Tieton Irrigation District Route 6, Box 193 Yakima, Washington 98902 Yakima County
92	Zillah Irrigation District P.O. Box 385 Zillah, Washington 98953 Yakima County

TABLE 2
LIST OF IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION

TABLE 2
IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION

ADAMS COUNTY	REPORT NO.
East Columbia Basin Irrigation District P.O. Box E Othello, Washington 99344	25
BENTON COUNTY	
Benton Irrigation District Benton City, Washington 99320	7
Columbia Irrigation District 10 East Kennewick Avenue Kennewick, Washington 99336	20
Columbia Water and Power Irrigation District P.O. Box 231 Paterson, Washington 99345	21
Grandview Irrigation District P.O. Box 188 c/o Phillip Noon Grandview, Washington 98930	30
Kennewick Irrigation District P.O. Box 6900 Kennewick, Washington 99336	42
Kiona Irrigation District P.O. Box 281 Benton City, Washington 99320	43
Prosser Irrigation District 1221 Meade Avenue Prosser, Washington 99350	67
CHELAN COUNTY	
Beehive Irrigation District Route 1, Box X249 Wenatchee, Washington 98801	6
Chelan Falls Irrigation District P.O. Box 29 Chelan Falls, Washington 98817	17
Chelan River Irrigation District P.O. Box 597 Chelan, Washington 98816	18

TABLE 2
 IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION
 (Continued)

CHELAN COUNTY (Cont.)	REPORT NO.
Entiat Irrigation District P.O. Box 365 Entiat, Washington 98822	27
Icicle Irrigation District 308 S. Division Street Cashmere, Washington 98815	40
Isenhart Irrigation District P.O. Box 428 Chelan, Washington 98816	41
Lake Chelan Reclamation District P.O. Box J Manson, Washington 98831	45
Lower Squilchuck Irrigation District Rt. 1, Box X204 Wenatchee, Washington 98801	47
Millerdale Irrigation District 1340 S. Miller Wenatchee, Washington 98801	50
Peshastin Irrigation District 308 S. Division Street Cashmere, Washington 98815	66
Stemilt Irrigation District Route 1, Box X340-A Wenatchee, Washington 98801	73
Wenatchee Chewawa Irrigation District Star Route, Box 70 Levenworth, Washington 98826	82
Wenatchee Heights Irrigation District Rt. 1, Box X281 Wenatchee, Washington 98801	83
Wenatchee Reclamation District 900 S. Wenatchee Avenue Wenatchee, Washington 98801	84
CLALLAM COUNTY	
Agnew Irrigation District Route 4, Box 1066 Sequim, Washington 98382	2

TABLE 2
IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION
(Continued)

CLALLAM COUNTY (Cont.)	REPORT NO.
Cline Irrigation District Route 3, Box 209 Sequim, Washington 98382	19
Dungeness Irrigation District Route 3, Box 643 Sequim, Washington 98382	24
Highland Irrigation District Route 2, Box 177 Sequim, Washington 98382	36
COLUMBIA COUNTY	
Hearn Irrigation District Rt. 1, Box 40 Dayton, Washington 99328	35
West End Irrigation District Route 1, Box 23 Dayton, Washington 99328	85
DOUGLAS COUNTY	
Bridgeport Bar Irrigation District RR 1 Brewster, Washington 98812	11
Bridgeport Irrigation District No. 1 Box 17972 Bridgeport, Washington 99813	12
Greater Wenatchee Irrigation District 3300 S.E. 8th Street East Wenatchee, Washington 98801	32
Palisades Irrigation District Palisades, Washington 98845	63
FRANKLIN COUNTY	
✓ Franklin County Irrigation District P.O. Box 353 Pasco, Washington 99301	28
South Columbia Irrigation District P.O. Box 1006 Pasco, Washington 99301	72

TABLE 2
IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION
(Continued)

GRANT COUNTY	REPORT NO.
Moses Lake Irrigation & Rehab. District 1107 S. Baker Moses Lake, Washington 98837	53
Quincy-Columbia Basin Irrigation District P.O. Box 188 Quincy, Washington 98848	68
KITITITAS COUNTY	
Cascade Irrigation District P.O. Box 396 Ellensburg, Washington 98926	16
Kittitas Reclamation District P.O. Box 276 Ellensburg, Washington 98926	44
KLICKITAT COUNTY	
North Dalles Irrigation District P.O. Box 699 Dallesport, Washington 98617	56
White Salmon Irrigation District Route 1, Box 395 White Salmon, Washington 98672	88
OKANOGAN COUNTY	
Aeneas Lake Irrigation District c/o Wilder, Pine Creek Star Route Tonasket, Washington 98855	1
Alta Vista Irrigation District P.O. Box 1091 Okanogan, Washington 98840	4
Brewster Flat Irrigation District Route 1, Box 65-B Brewster, Washington 98812	10
Helensdale Reclamation District P.O. Box 102 Malott, Washington 98829	34

TABLE 2
IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION
(Continued)

OKANOGAN COUNTY (Cont.)	REPORT NO.
Methow—Okanogan Reclamation District Route 1, Box 11B Brewster, Washington 98812	48
Methow Valley Irrigation District P.O. Box 546 Twisp, Washington 98856	49
Okanogan Irrigation District Route 1, Box 169 Okanogan, Washington 98840	58
Oroville—Tonasket Irrigation District P.O. Box H Oroville, Washington 98844	61
Pateros Irrigation District Pateros, Washington 98846	65
Whitestone Reclamation District Loomis, Washington 98827	87
Wolf Creek Reclamation District P.O. Box 315 Twisp, Washington 98856	89
 SPOKANE COUNTY	
Carnhope Irrigation District No. 7 4821 E. 6th Avenue Spokane, Washington 99206	15
Consolidated Irrigation District No. 19 North 120 Greenacres Road Greenacres, Washington 99016	23
Hutchinson Irrigation District No. 16 East 8723 Boone Avenue Spokane, Washington 99206	38
Moab Irrigation District No. 20 P.O. Box 81 Newman Lake, Washington 99025	51
Model Irrigation District No. 18 1506 South Pierce Road Spokane, Washington 99206	52

TABLE 2
IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION
(Continued)

SPOKANE COUNTY (Cont.)	REPORT NO.
North Spokane Irrigation District no. 8 N. 7308 Crestline Spokane, Washington 99207	57
Orchard Avenue Irrigation District No. 6 7415 E. Marietta Spokane, Washington 99206	59
Pasadena Park Irrigation District No. 17 8901 Upriver Drive Spokane, Washington 99206	64
Trentwood Irrigation District No. 3 E. 14117 Trent Road Spokane, Washington 99216	77
Vera Irrigation District No. 15 601 No. Evergreen Veradale, Washington 99037	79
 WALLA WALLA COUNTY	
Artesia Irrigation District No. 8 330 Artesia Walla Walla, Washington 99362	5
Blalock Irrigation District No. 3 Route 2, Box 125 Walla Walla, Washington 99362	8
Blalock Orchard Irrigation District No. 12 Route 5, Box 137 Walla Walla, Washington 99362	9
Burbank Irrigation District No. 4 P.O. Box 927 Pasco, Washington 99301	14
Consolidated Irrigation District no. 14 NW "B" Street College, Place, Washington 99324	22
East Side Irrigation District No. 6 Rt. 1, Box 145 Touchet, Washington 99360	26

TABLE 2
IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION
(Continued)

WALLA WALLA COUNTY (Cont.)	REPORT NO.
Gardena Farms Irrigation District No. 13 Route 1, Box 5 Touchet, Washington 99360	29
Green Tank Irrigation District No. 11 Route 5, Box 47 Walla Walla, Washington 99362	33
Hydro Irrigation District No. 9 Rt. 2, Box 326 Walla Walla, Washington 99362	39
Lowden Irrigation District No. 2 Lowden, Washington 99342	46
Mud Creek Irrigation District No. 7 Lowden, Washington 99342	54
Orchard Irrigation District No. 10 608 W. Birch Walla Walla, Washington 99362	60
Touchet Valley Irrigation District P.O. Box 688 Waitsburg, Washington 99361	76
Walla Walla Water & Power Irrigation District No. 18 1935 Hilbrooke Drive Walla Walla, Washington 99362	80
West Side Irrigation District No. 5 Rt. 1, Box 88B Touchet, Washington 99360	86
 YAKIMA COUNTY	
Ahtanum Irrigation District 506 Miller Building Yakima, Washington 98901	3
Buena Irrigation District P.O. Box 205 Zillah, Washington 98953	13

TABLE 2
IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION
(Continued)

YAKIMA COUNTY (Continued)	REPORT NO.
Granger Irrigation District Route 1, Box 293 Granger, Washington 98932	31
Home Irrigation District Route 1, Box 293 Granger, Washington 98932	37
Naches-Selah Irrigation District P.O. Box 56 Selah, Washington 98942	55
Outlook Irrigation District Route 1, Box 132 Outlook, Washington 98938	62
Roza Irrigation District P.O. Box 810 Sunnyside, Washington 98944	69
Selah-Moxee Irrigation District P.O. Box 98 Moxee City, Washington 98936	70
Snipes Mountain Irrigation District P.O. Box 536 Sunnyside, Washington 98944	71
Sunnyside Valley Irrigation District P.O. Box 239 Sunnyside, Washington 98944	74
Terrace Heights Irrigation District 3804 West Lincoln Avenue Yakima, Washington 98902	75
Union Gap Irrigation District 616 West First Street Wapato, Washington 98951	78
Wenas Irrigation District 3804 W. Lincoln Avenue Yakima, Washington 98902	81
Yakima Reservation Irrigation District 616 West First Street Wapato, Washington 98951	90

TABLE 2
IRRIGATION DISTRICTS BY COUNTY OF INCORPORATION
(Continued)

YAKIMA COUNTY (Cont.)

REPORT NO.

Yakima-Tieton Irrigation District
Route 6, Box 193
Yakima, Washington 98902

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Zillah Irrigation District
P.O. Box 385
Zillah, Washington 98953

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TABLE 3
DOMESTIC SERVICE IRRIGATION DISTRICTS

TABLE 3

DOMESTIC SERVICE IRRIGATION DISTRICTS

<u>Irrigation District Name</u>	<u>Estimated Water Use (%)</u>	
	<u>Domestic Irrigation</u>	<u>Domestic Potable</u>
Alta Vista	100	—
Artesia No. 8	50	50
Blalock Orchard No. 12	50	50
Burbank No. 4	50	50
Carnhope No. 7	50	50
Consolidated No. 14	60	40
Green Tank No. 11	50	50
Hearn	100	—
Home	100	—
Hutchinson No. 16	50	50
Hydro No. 9	50	50
Model No. 18	65	35
North Spokane No. 8	65	35
Orchard Avenue No. 6	75	25
Orchard No. 10	100	—
West End	100	—
Zillah	88	—

TABLE 4
IRRIGATION DISTRICT RESERVOIRS

TABLE 4

IRRIGATION DISTRICT RESERVOIRS

IRRIGATION DISTRICT NAME	RESERVOIR NAME	CAPACITY	SHARE ALLOTTED TO DISTRICT
Beehive	Beehive	300 AF	100%
Benton	Keechelus	157,800 AF	Storage rights in Yakima Project are 21,044 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,000 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Brewster Flat	Steel reservoir	500,000 gal	100%
	Steel reservoir	300,000 gal	100%
Bridgeport Bar	No Name	100,000 gal	100%
Cascade	Keechelus	157,800 AF	Storage rights in Yakima Project are 16,800 AF/Yr.
	Kaches	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Consolidated No. 19	11 Towers	500,000 gal ea.	100%
East Columbia Basin	Banks Lake	761,800 AF	31.4%
	Billy Clapp	21,200 AF	31.4%
	Potholes	403,800 AF	10.0%
Grandview	Keechelus	157,800 AF	Storage rights in Yakima Project are 1,970 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,000 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Granger	Keechelus	157,800 AF	Storage rights in Yakima Project are 1,800 AF/Yr.
	Kaches	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Greater Wenatchee	East Unit Main	2,000,000 gal	100%
	East	175,000 gal	100%
	North	75,000 gal	100%
	Brays No. 1	250,000 gal	100%
	A	290,000 gal	100%
	C	275,000 gal	100%
	B	290,000 gal	100%
	D	162,000 gal	100%

TABLE 4
IRRIGATION DISTRICT RESERVOIRS
(Continued)

IRRIGATION DISTRICT NAME	RESERVOIR NAME	CAPACITY	SHARE ALLOTTED TO DISTRICT
Greater Wenatchee (Cont.)	Howard Booster	175,000 gal	100%
	Relift	784,000 gal	100%
	Regulating	65,000 gal	100%
Home			Has proportional share of Sunnyside Valley Irrigation District's storage rights in Yakima Project storage in six reservoirs.
Hutchinson No. 6	Overhead Water Tank	75,000 gal	100%
Icicle	Square Lake	2,000 AF	Owned by Icicle & Peshastin Irrigation Districts.
	Colechuck	200 AF	
	8 Mile	300 AF	
	Klonaqua	400 AF	
Isenhardt	No Name	500,000 gal	100%
Kennewick	Keechelus	157,800 AF	Storage rights in Yakima Project are 91,275 AF
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Kittitas	Keechelus	157,800 AF	Storage rights in Yakima Project are 336,000 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Lake Chelan Reclamation District	Lake Chelan	676,100 AF	20,000 AF/Yr.
Moab No. 20	No Name	30,000 gal	100%
Model No. 18	No Name	250,000 gal	100%
Moses Lake Irrigation & Rehab.	Moses Lake		50,000 AF/Yr.
Naches-Selah	Bumping	33,700 AF	4,486 AF/Yr.
North Spokane No. 8	No Name	100,000 gal	100%
Okanogan	Conconully	13,000 AF	100%
	Salmon Lake	10,500 AF	100%
	Duck Lake	3,200 + AF	10 cfs. diversion right

TABLE 4
IRRIGATION DISTRICT RESERVOIRS
(Continued)

IRRIGATION DISTRICT NAME	RESERVOIR NAME	CAPACITY	SHARE ALLOTTED TO DISTRICT
Outlook	Keechelus	157,800 AF	Storage rights in Yakima Project are 5,685 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Pasadena Park	No Name	300,000 gal	100%
Peshastin	Square Lake	2,000 AF	Owned by Icicle & Peshastin Irrigation Districts.
Prosser	Keechelus	157,800 AF	Storage rights in Yakima Project are 2,500 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Lake	5,300 AF	
	Bumping	33,700 AF	
Quincy—Columbia Basin	Banks Lake	715,000 AF	42.7%
	Billy Clapp Lake	21,200 AF	42.7%
Roza	Keechelus	157,800 AF	Storage rights in Yakima Project are 375,000 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Selah—Moxee	Keechelus	157,800 AF	Storage rights in Yakima Project are 375,000 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Snipes Mountain	Keechelus	157,800 AF	Storage rights in Yakima Project are 2,874 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
South Columbia Basin	Potholes	403,800 AF	90%
	Banks Lake	761,800 AF	25.9%
	Billy Clapp	21,200 AF	25.9%

TABLE 4
IRRIGATION DISTRICT RESERVOIRS
(Continued)

IRRIGATION DISTRICT NAME	RESERVOIR NAME	CAPACITY	SHARE ALLOTTED TO DISTRICT
Stemilt	Clear Lake	120 AF	100%
	Lily Lake	250 AF	100%
	Stemilt Project	150 AF	100%
	Domestic use tank	40,000 gal	
Sunnyside Valley	Keechelus	157,800 AF	Storage rights in Yakima Project are 159,224 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Tochet Valley No. 16	Dayton (Proposed)	52,600 AF	48,200 AF/Yr. (Proposed)
Trentwood	No Name	1,000,000 gal	100%
Union Gap	Keechelus	157,800 AF	Storage rights in Yakima Project are 17,400 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Vera No. 15	No Name	1,000,000 gal	100%
	No Name	4,000,000 gal	100%
Wenas	Wenas Lake	1,300 AF	100%
Wenatchee Heights Reclamation	Upper Wheeler	550 AF	75%
	Spring Hill	375 AF	75%
	Wenatchee Heights No. 1	30 AF	50%
	Wenatchee Heights No. 2	15 AF	100%
	Beaver Pond	5 AF	100%
Whitestone Reclamation	Spectacle Lake	6,200 AF	100% (Used as equalizing Reservoir)
	Whitestone Lake	Unknown	5 cfs (When available)
Wolf Creek Reclamation	Patterson Lake	3,600 AF	100%
Yakima Reservation	Keechelus	157,800 AF	Storage rights in Yakima Project are 593,217 AF/Yr.
	Kachess	239,000 AF	
	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Yakima-Tieton	Keechelus	157,800 AF	Storage rights in Yakima Project are 114,000 AF/Yr.
	Kachess	239,000 AF	

TABLE 4
IRRIGATION DISTRICT RESERVOIRS
(Continued)

IRRIGATION DISTRICT NAME	RESERVOIR NAME	CAPACITY	SHARE ALLOTTED TO DISTRICT
Yakima-Tieton (Cont.)	Cle Elum	436,900 AF	
	Tieton	198,000 AF	
	Clear Creek	5,300 AF	
	Bumping	33,700 AF	
Zillah			Has proportional share of Sunnyside Valley Irrigation District's storage rights in Yakima Project storage in six reservoirs.

TABLE 5
SUMMARY OF IRRIGATION DISTRICTS SURVEY

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**EXPLANATION OF SUMMARY OF IRRIGATION DISTRICTS SURVEY
COLUMN HEADINGS IN TABLE 5**

Table 5, which follows, presents a summary of the detailed information contained in Part II of this report titled DETAILED DATA BY DISTRICT. The summary information is intended to present a general comparison and overview of the 92 irrigation districts. The summary is also designed to provide for quick district reference related to a particular category. Following are brief descriptions of each summary heading.

1. *Long-Term Obligations* of each District have been detailed in three categories as applicable: Federal, State, and Private. Private category includes bank loans and L.I.D. District Bonds. Obligations incurred after December 31, 1973 have not been included.
2. *Assessment income* summarizes detailed breakdown provided in individual district reports for 1972 and 1973.
3. *District Net Income* figures are provided for 1972 and 1973. Figures are derived from the beginning Cash Balance for January 1, 1972 and ending Cash Balance for December 31, 1972. Figures for 1973 are similarly derived. The net income figures are the result of all cash transactions during a given year of the various funds and the related statements of cash receipts, cash disbursements and cash balances.
4. *Total Harvested Crop Value* figures have been obtained from U.S. Crop Census reports when available. Estimated figures (indicated by Superscript "E") have been provided from data supplied by District Officials when Crop Census reports are not available.
5. *Total Assessed Irrigation Area (acres)* was obtained from County Assessment Rolls, records of Irrigation Districts and, when available, from Bureau of Reclamation Crop Census Reports.
6. *Non-Irrigated Area Available for Irrigation Development in Boundary of District (acres)* represents land available for potential development within the boundaries of the district. Water may not be available.
7. *Total Area Under Irrigation in District (acres)* was obtained from County Assessment Rolls, records of Irrigation Districts and, when available, from Bureau of Reclamation Crop Census Reports.
8. *Maximum Rate of Diversion (cfs)*. Data obtained from actual metered readings or measurements where available. Many districts do not presently maintain actual water use records. All flows are shown in cfs unless otherwise noted. Figures shown in other units are maximum peak rates of record.

9. *Annual Total Water Diverted (acre-feet)*. Data obtained from records of Irrigation Districts. Many districts do not presently maintain actual water use records. All flows shown in Acre-feet unless otherwise noted. Figures shown in other units are best available information.
10. *Canal and Lateral Delivery Distribution System*. Data was obtained from District records when available, and from approximations made from map measurements of District.
11. *Estimated Water Use (%)* was derived from estimates of the percentage of land declared urban vs. farm land.
12. *Water Supply*. Categorized as adequate, barely adequate, or inadequate. Subject to variable run-off from year to year.
13. *Estimated funding requirement*. Figures based on requests actually made or derived from planned expansion and rehabilitation requirements. When available, data provided from U.S. Bureau of Reclamation reports or private engineering firms have been included.

SUMMARY OF IRRIGATION

Irrigation District Name	Long-Term Obligations (As of December 31, 1973)			Assessment Income		District Net Income		Total Harvested Crop Value 1973 (\$)	Total Assessed Irrigated Area 1973 (Acres)	Non-Irrigated Area Available For Irrigation Development In Boundary Of District (Acres)
	Federal (\$)	State (\$)	Private (\$)	1972 (\$)	1973 (\$)	1972 (\$)	1973 (\$)			
1. Aeneas Lake	-	219,000	-	45,129	44,449	5	471	109,410 ^E	1,325	150
2. Agnew	-	-	-	26,119	31,148	5,773	7,200	Note 1	7,119	None
3. Ahtanum	-	-	-	7,589	7,738	4,582	6,511	1,803,641 ^E	8,130	900
4. Alta Vista	-	-	-	3,462	3,462	(1,150)	(2,290)	Note 2	40	None
5. Artesia No. 8	-	-	-	3,910	3,880	(2,957)	(6,301)	7,148	71	None
6. Beehive	-	-	-	6,021	1,115	1,374	3,693	556,776 ^E	400	None
7. Benton	443,709	-	-	54,512	54,583	11,402	(11,191)	1,501,895	4,630	None
8. Blalock No. 3	-	-	-	4,900	4,901	(1,859)	1,388	Note 4	816	None
9. Blalock Orchard No. 12	-	-	-	2,820	3,480	(961)	1,045	Note 6	222.4	None
10. Brewster Flat	1,240,943	-	-	54,703	53,369	1,933	(1,374)	2,719,870	2,432	None
11. Bridgeport Bar	92,647	-	-	7,386	7,156	1,052	444	451,429 ^E	475	None
12. Bridgeport No. 1	-	-	32,000	7,903	10,341	788	1,096	369,548 ^E	273	None
13. Buena	-	-	-	5,165	5,153	(53)	670	195,465 ^E	Note 10	None
14. Burbank No. 4	-	-	-	Note 11	Note 11	2,647	4,926	Note 12	84	None
15. Carnhope No. 7	-	-	-	12,465	12,541	2,806	1,795	Note 12	234	None
16. Cascade	Note 13	183,000	-	93,282	93,214	3,496	5,221	1,581,393	12,710	None
17. Chelan Falls	-	-	-	1,638	1,638	1,089	685	489,107 ^E	361	None
18. Chelan River	-	76,534	-	16,860	16,944	(1,245)	498	560,532 ^E	381.26	None
19. Cline Irrigation District	-	-	-	9,421	9,541	3,533	3,799	Note 1	1,755	None
20. Columbia	-	102,200	-	116,391	130,337	9,422	24,927	3,442,620 ^E	6,800	Note 17
21. Columbia Water & Power	-	2,408,000	-	508,525	441,751	270,499	6,051	11,332,800 ^E	6,000	4,000
22. Consolidated No. 14	-	-	-	10,883	10,744	7,363	3,694	Note 19	347	None
23. Consolidated No. 19	4,385,200	-	-	155,930	162,243	41,782	45,773	683,693	7,443	None
24. Dungeness	-	-	-	3,473	3,577	1,572	(1,309)	Note 1	1,417.14	None
25. East Columbia Basin	17,378,190	-	-	1,163,141	1,205,134	(23,631)	3,465	51,480,922	134,469	360,000
26. East Side No. 6	-	-	-	3,093	3,437	(16)	(185)	187,081	789.36	None
27. Entiat	-	210,000	-	3,001	24,578	886	13,772	1,156,776 ^E	800	None
28. Franklin County No. 1	-	-	-	53,293	55,882	68,400	53,334	1,085,790 ^E	4,148	Note 22
29. Gardena Farms No. 13	-	141,500	-	25,901	25,925	(2,203)	200	840,266 ^E	6,400	600
30. Grandview	-	-	-	33,225	34,669	2,447	8,179	1,945,559	3,941	None
31. Granger	-	-	-	18,330	18,330	2,654	6,125	681,982	1,600	600
32. Greater Wenatchee	4,519,726	106,396	-	148,930	156,419	(29,734)	24,792	10,280,815	7,104	None
33. Green Tank No. 11	-	-	-	7,638	7,566	4,509	(3,301)	Note 12	106	None
34. Helensdale Reclamation District	-	-	2,000	3,770	3,770	233	(1,592)	286,145 ^E	209	None
35. Hearn	-	-	-	159	159	(76)	(18)	Note 24	22	None
36. Highland	-	-	-	5,796	6,023	2,356	2,726	Note 1	2,857	None
37. Home	-	-	-	4,752	4,752	(1,458)	2,325	Note 24	86	None
38. Hutchinson No. 16	-	-	-	29,935	35,629	(8,908)	(2,018)	Note 12	375	None

GENERAL NOTES:

"E" - Is used to indicate Estimated Value.

All Flows shown in cfs unless otherwise noted. Figures are the maximum peak rates indicated in available records.

All Volumes shown in acre-feet unless otherwise noted. Figures shown in different values are best available record.

DETAIL NOTES:

1. No crop census available.
2. No crop census available. This District supplies domestic irrigation water to part of the town of Okanogan.
3. 8 cfs during controlled flow of Squilchuck Creek.
4. No crop census was made available.
5. Under present conditions, District has no expectations of borrowing. Water pollution regulations might make construction money a necessity.

SUMMARY OF IRRIGATION

(Continued)

Irrigation District Name	Long-Term Obligations (As of December 31, 1973)			Assessment Income		District Net Income		Total Harvested Crop Value 1973 (\$)	Total Assessed Irrigated Area 1973 (Acres)	Non-Irrigated Area Available For Irrigation Development In Boundary Of District (Acres)
	Federal (\$)	State (\$)	Private (\$)	1972 (\$)	1973 (\$)	1972 (\$)	1973 (\$)			
39. Hydro No. 9	-	-	-	3,204	3,249	308	1,635	Note 12	235.3	None
40. Icicle	-	-	-	56,388	61,674	(4,447)	(19,634)	5,088,908 ^E	3,524.23	None
41. Isenhart	-	-	-	6,163	6,163	(1,211)	(1,438)	485,460 ^E	246.51	None
42. Kennewick	4,195,750	-	Note 25	299,356	326,029	45,261	25,112	5,557,635	19,171	11,000
43. Kiona	-	-	-	17,629	17,531	1,110	(1,060)	89,018 ^E	1,100	None
44. Kittitas Reclamation District	7,240,368	-	-	397,463	397,440	33,633	54,742	7,367,265	58,725	12,000
45. Lake Chelan Reclamation District	Note 26	-	-	132,589	130,477	(52,860)	(48,024)	8,597,413 ^E	4,400	1,965
46. Lowden No. 2	-	-	-	1,482	741	271	(837)	102,199 ^E	740.9	None
47. Lower Squilchuck	-	72,800	-	Note 31	Note 31	-	-	193,314 ^E	124.5	Minimal
48. Methow-Okanogan Reclamation Dist.	-	17,000	-	7,087	7,037	692	15,254	507,312 ^E	281.5	None
49. Methow Valley	-	26,500	-	26,544	26,562	4,153	2,560	Not Available	2,312	Note 33
50. Millerdale	-	-	-	5,688	5,789	1,216	756	123,912 ^E	119	None
51. Moab No. 20	-	178,000	-	12,174	12,954	(474)	(221)	224,308 ^E	638	None
52. Model No. 18	-	133,000	-	38,755	46,011	27,797	15,014	Note 12	680	None
53. Moses Lake Irrg. & Rehab. District	-	-	-	28,050	15,075	14,107	14,364	1,338,960 ^E	Note 35	None
54. Mud Creek No. 7	-	-	-	409	409	47	(21)	53,661 ^E	409	None
55. Naches-Selah	-	329,000	8,260	92,417 ^E	92,417 ^E	7,919	11,861	14,207,214 ^E	10,000	300
56. North Dalles	-	39,000	-	6,200	6,211	(1,688)	1,183	149,793 ^E	300	Note 38
57. North Spokane No. 8	-	-	-	2,912	2,461	(23,600)	12,881	Note 12	564.5	None
58. Okanogan	129,548	-	-	103,133	100,896	8,456	18	3,905,075 ^E	5,038	1,000
59. Orchard Avenue No. 6	-	-	-	23,715	24,400	(3,507)	(7,372)	Note 12	458	None
60. Orchard No. 10	-	-	5,000	7,272	7,272	(4,623)	867	Note 19	114	None
61. Oroville-Tonasket	2,586,355	10,000	-	255,638	254,240	17,413	34,305	14,423,325	9,493	Note 39
62. Outlook	661,193	-	-	59,840	66,659	248	4,496	1,645,849	4,613	None
63. Palisades	-	22,000	-	9,204	9,204	1,240	1,217	228,066 ^E	675.67	Note 41
64. Pasadena Park No. 17	-	-	61,000	1,501	3,636	8,262	(808)	87,455 ^E	730	None
65. Pateros	-	7,350	-	1,642	1,642	727	(397)	98,121 ^E	66	None
66. Peshastin	-	-	-	39,405	42,961	(6,108)	(11,801)	5,194,586 ^E	3,560.82	None
67. Prosser	413,000	-	-	30,815	36,128	(1,089)	5,294	1,123,064	2,155	None
68. Quincy-Columbia Basin	25,208,136	-	-	1,790,929	1,952,164	63,109	347,388	78,106,352	220,995	60,000 (±)
69. Roza	13,586,297	-	-	873,023	945,256	(40,470)	(91,255)	51,557,962	72,511	10,000
70. Selah-Moxee	-	17,000	-	51,533	54,264	(23,284)	12,321	4,706,396	4,600	None
71. Snipes Mountain	-	-	-	34,185	35,189	1,543	522	1,160,783	1,915	None
72. South Columbia Basin	14,346,342	-	-	1,480,538	1,513,228	63,155	91,031	60,965,002 ^E	162,219	200,000
73. Stemilt	-	81,000	-	11,179	11,179	2,062	7,077	525,221 ^E	500	500
74. Sunnyside Valley	36,167	-	-	540,376	586,153	(12,869)	(47,160)	30,571,448	84,860	None
75. Terrace Heights	1,500	-	-	9,251	9,246	(437)	1,536	295,237	565	None
76. Tochet Valley No. 16	-	-	-	363	363	(220)	128	Note 42	8,000(±)	Note 43

DETAIL NOTES (Continued)

- 15. \$2,500 needed for intertie with city reservoir. Unknown amount needed to construct reservoir to regulate pressure and provide fire protection.
- 16. Need to replace 1/2 mile of 30 inch syphon (all dirt excavation).
- 17. 10,000 acres adjacent to District could be included for extension of project.
- 18. The Soil Conversion Service is making a study of the irrigation district's reconstruction and rehabilitation needs but this study will probably not be completed by July 1, 1974.
- 19. This is a domestic water system.

- 20. Construction loans needed are contingent upon plans of the State of Washington and U.S.B.R. for construction of east high and east low extension which primarily depend upon construction of bacon siphon and tunnel.
- 21. 25% more than allotment is needed in July and August thru September 15.
- 22. District wants to include 140 acres of adjacent land.
- 23. Additional water is needed from approximately July 1 to October 15.
- 24. No crop value - all domestic irrigation.
- 25. \$5,545 in District L.I.D. bonds and notes.

DISTRICT SURVEY

Total Area Under Irrigation In District (Acres)	Maximum Rate Of Diversion (See Gen. Note) (cfs)	Annual Total Water Diverted (See Gen. Note) (Acre-feet)	Canals and Laterals Delivery and Distribution System			Estimated Water Use (%)				Water Supply	Estimated Funding Requirements			
			Lined Canal (Miles)	Earth Canal (Miles)	Pipe and Syphon (Miles)	Agri-cultural	Domestic Irrigation	Domestic Potable	Industrial		0-2 Yrs. (\$)	2-5 Yrs. (\$)	5-10 Yrs. (\$)	
1,325	12.5	2,500 gpm/5 Mos.	-	-	3	100	-	-	-	Adequate	400,000	-	-	1.
7,119	Unknown	Unknown	-	62	.9	98	2	-	-	Adequate	-	-	-	2.
8,130	175 ^E	Unknown	-	-	-	100	-	-	-	Inadequate	40,000,000	-	-	3.
40	Unknown	Unknown	-	-	2	-	100	-	-	Adequate	1,000	-	-	4.
71	Unknown	Unknown	-	-	5	-	50	50	-	Adequate	-	-	-	5.
400	Note 3	Unknown	-	-	4	96	4	-	-	Adequate	-	-	-	6.
4,630	68	40 to 50 cfs	5	17	26.3	98	2	-	-	Adequate	1,000	12,000	-	7.
816	9-10	4,300	-	-	10	100	-	-	-	Inadequate	Note 5	-	-	8.
222.4	Unknown	Unknown	-	-	5	-	50	50	-	Adequate	-	-	-	9.
2,432	47	10,000	-	-	28	97	3	-	-	Adequate	Note 7	-	-	10.
475	Unknown	2,600	-	-	5	98	2	-	-	Adequate	Note 8	-	-	11.
273	Note 9	Unknown	-	-	3	98	2	-	-	Inadequate	-	-	-	12.
1,110	35	Unknown	-	7½	-	100	-	-	-	Adequate	-	-	-	13.
84	Unknown	Unknown	-	-	3	-	50	50	-	Adequate	60-100,000	-	-	14.
234	1,500,000 gal/da.	365,000,000 gal/yr.	-	-	8	-	50	50	-	Adequate	-	-	-	15.
12,710	Note 14	Unknown	-	37½	-	86	14	-	-	Adequate	-	20,000	-	16.
361	10	Unknown	-	-	4	Unknown	Unknown	Unknown	Unknown	Adequate	-	-	-	17.
381.26	Unknown	Unknown	-	-	8	93	1	1	5	Adequate	Note 15	-	-	18.
1,755	Unknown	Unknown	-	20	1¼	75	25	-	-	Adequate	Note 16	-	-	19.
6,800	Unknown	Unknown	8	42	6	74	26	-	-	Adequate	Note 18	-	-	20.
6,000	184	Unknown	-	-	41½	100	-	-	-	Adequate	6,700,000	1,000,000	1,000,000	21.
347	Unknown	Unknown	-	-	6	-	60	40	-	Adequate	-	-	-	22.
7,443	68,000,000 gal/da.	20,000	-	-	100	80	10	10	-	Adequate	-	4,500,000	-	23.
1,417.14	Unknown	Unknown	-	9	1	92	8	-	-	Barely Adequate	-	-	-	24.
134,469	3,622	1,114,980	51	503.5	60.5	99	1	-	-	Barely Adequate	Note 20	-	-	25.
789.36	12	Unknown	-	5	.03	100	-	-	-	Note 21	-	-	-	26.
800	18	Unknown	-	-	6	99	1	-	-	Adequate	-	-	-	27.
4,148	38,000 gpm	Unknown	5	-	52	60	40	-	-	Adequate	315,000	20,000	-	28.
6,400	95	Unknown	-	17½	1.75	100	-	-	-	Note 23	-	-	-	29.
3,941	34	10,580	9	-	3	95	5	-	-	Adequate	820,000	30,000	-	30.
1,600	18	5,300	1½	3½	2½	95	5	-	-	Barely Adequate	50,000	80,000	-	31.
7,104	218 AF/day	26,494	-	-	58	96	4	-	-	Barely Adequate	-	-	-	32.
106	Unknown	Unknown	-	-	2½	-	50	50	-	Barely Adequate	-	-	-	33.
209	Unknown	Unknown	-	-	3	93	7	-	-	Adequate	-	-	-	34.
22	Unknown	Unknown	-	-	¾	-	100	-	-	Inadequate	-	-	-	35.
2,857	Unknown	Unknown	-	15.5	2.8	88	12	-	-	Adequate	-	-	-	36.
86	1.5	516	-	-	3.4	-	100	-	-	Adequate	-	-	-	37.
375	4,000 gpm	Unknown	-	-	14	-	50	50	-	Adequate	-	45,000	-	38.

DETAIL NOTES (Continued)

- 6. Water is for domestic and yard use.
- 7. No loans are contemplated unless the District is expanded. There is no engineering report on the proposed 7,000 acre expansion.
- 8. \$145,000 needed to replace deteriorated pipeline and install meters.
- 9. Presently 5 cfs. Request 8.5 cfs.
- 10. District has assessed Acreage of 1,033 acres. State of Washington owns land in District which is farmed but State does not pay assessment to District for 77 acres (water is delivered).

- 11. Assessment for 1972 was \$1.50 per 25 ft. lot and \$1.50 per 25 ft. lot in 1973. Water is metered to customers. Collection for above and for metered water is made by District. No regular assessment is filed with county treasurer.
- 12. This is a domestic potable and domestic irrigation system. No crop value given.
- 13. U.S.B.R. is constructing a new pumping plant. Cost figures are not available at this time.
- 14. District has water rights for 150 cfs. Used 120 cfs in 1972/1973.

DISTRICT SURVEY

Total Area Under Irrigation In District (Acres)	Maximum Rate Of Diversion (See Gen. Note) (cfs)	Annual Total Water Diverted (See Gen. Note) (Acre-feet)	Canals and Laterals Delivery and Distribution System			Estimated Water Use (%)				Water Supply	Estimated Funding Requirement			
			Lined Canal (Miles)	Earth Canal (Miles)	Pipe and Syphon (Miles)	Agricultural	Domestic Irrigation	Domestic Potable	Industrial		0-2 Yrs. (\$)	2-5 Yrs. (\$)	5-10 Yrs. (\$)	
235.3	Unknown	Unknown	-	-	2.5	-	50	50	-	Inadequate	23,000	-	-	39.
3,524.23	98	22,500	29	3	4.75	100	-	-	-	Adequate	52,500	200,000	1-2,000,000	40.
246.51	2,000 gpm	Unknown	-	-	3.5	100	-	-	-	Adequate	-	-	-	41.
19,171	333	100,000	16	52	35	84	16	-	-	Adequate	3,000,000	5,000,000	-	42.
1,100	40	Unknown	-	10	-	91	9	-	-	Adequate	14,000	-	-	43.
58,725	1,320	330,000	14	305	8	99	1	-	-	Adequate	500,000	200,000	-	44.
4,400	108	Unknown	-	-	Note 27	97	3	-	-	Note 28	Note 29	-	-	45.
740.9	4.8	Unknown	-	5	.05	100	-	-	-	Note 30	-	-	-	46.
124.5	870 gpm	Unknown	-	-	2	100	-	-	-	Adequate	-	-	-	47.
281.5	Note 32	Note 32	-	-	2	96	4	-	-	Adequate	-	-	-	48.
2,312	Unknown	Unknown	3	32	7.03	98	2	-	-	Note 34	-	-	-	49.
119	Unknown	240	-	-	1	75	25	-	-	Adequate	-	-	-	50.
638	Unknown	Unknown	-	-	3	97	2	1	-	Adequate	-	-	-	51.
680	6,000 gpm	66,061,600 cf/yr.	-	-	27	-	65	35	-	Adequate	-	300,000	-	52.
Note 35	Unknown	Unknown	-	-	-	Note 36	1	-	-	Adequate	-	-	-	53.
409	4.8	Unknown	-	3	-	100	-	-	-	Note 37	-	-	-	54.
10,000	140	54,000	12	28	1	97	2	1	-	Barely Adequate	-	40,000	10,000	55.
330	2,500 gpm	Unknown	-	-	1.75	90	10	-	-	Adequate	-	-	-	56.
564.5	2,376,000 gal/da.	12,800,000 gal/yr.	-	-	11	-	65	35	-	Adequate	-	384,000	-	57.
5,038	85	18,000	18	-	15	97	3	-	-	Adequate	590,000	-	-	58.
458	7,360 gpm	Unknown	-	-	17	-	75	25	-	Barely Adequate	-	-	-	59.
114	Unknown	Unknown	-	-	2	-	100	-	-	Adequate	-	-	-	60.
9,493	222	77,400	17	16	23	99	1	-	-	Barely Adequate	66,000,000	-	-	61.
4,613	45	13,000	8	-	2	100	-	-	-	Adequate	Note 40	-	-	62.
675.67	7	2,025	-	-	5	97	3	-	-	Adequate	-	-	-	63.
730	Not Available	5,683,595,400 gal.	-	-	10	70	20	10	-	Adequate	-	-	-	64.
66	Unknown	Unknown	-	-	1.5	97	3	-	-	Adequate	-	-	-	65.
3,560.82	45	12,000	12.5	1.5	1	98	2	-	-	Adequate	-	30,000	-	66.
2,155	55	7,900	3	.5	5	100	-	-	-	Adequate	50,000	-	50,000	67.
220,995	4,500	1,320,000	322.5	1,153	22.5	99+	-	-	-	Barely Adequate	18,000,000	2,000,000	60,000,000	68.
72,511	1,258	360,000	29	280	177	99	1	-	-	Adequate	-	5,000,000	5,000,000	69.
4,600	78	Unknown	2	24	-	97	3	-	-	Barely Adequate	25,000	125,000	-	70.
1,915	21	6,700	4	3.5	-	67	33	-	-	Adequate	-	300,000	700,000	71.
162,219	3,083	701,600	59	442	89	99	1	-	-	Adequate	2,000,000	15,000	-	72.
500	9	Unknown	-	-	8-9	98	-	2	-	Inadequate	-	10,000	40,000	73.
84,860	1,100	361,800	1	491	108	84	16	-	-	Adequate	-	1,000,000	3,000,000	74.
565	8.64	2,933	-	1	3	75	25	-	-	Barely Adequate	-	-	-	75.
Note 44	Unknown	Unknown	-	-	-	-	-	-	-	-	-	-	-	76.

DETAIL NOTES (Continued)

- 26. U.S.B.R. is constructing a new distribution system and pumping plant to be completed in 1976. Cost figures not available to District at this time.
- 27. District has 26 miles of domestic service pipe and 75 miles of irrigation piping.
- 28. Domestic water supply not adequate. Should be expanded 200%. Irrigation water is adequate with enough for 2,000 additional acres.
- 29. State of Washington Project No. 277406143 Water System 43/7/8/3/4/7.
- 30. 25% additional water needed in July, August and September.

- 31. No assessment roll is filed with this District and there are no funds with the county treasurer. District formation not yet completed.
- 32. Meter recently installed.
- 33. District has 357 acres which cannot be irrigated because land is too high to be served. Land pays bond charge as it was part of acreage that was bonded.
- 34. Occasionally short in a dry year.
- 35. Acreage unknown because District does not assess by acreage.
- 36. 99% used for recreational and agricultural purposes.

TABLE 5
SUMMARY OF IRRIGATION

(Continued)

Irrigation District Name	Long-Term Obligations (As of December 31, 1973)			Assessment Income		District Net Income		Total Harvested Crop Value 1973 (\$)	Total Assessed Irrigated Area 1973 (Acres)	Non-Irrigated Area Available For Irrigation Development In Boundary Of District (Acres)
	Federal (\$)	State (\$)	Private (\$)	1972 (\$)	1973 (\$)	1972 (\$)	1973 (\$)			
77. Trentwood No. 3	—	—	28,000	38,512	40,524	16,525	13,374	178,696 ^E	1,303	None
78. Union Gap	—	—	—	38,390	38,390	2,387	54	4,777,125	3,490	None
79. Vera No. 15	—	—	750,000	120,298	121,956	28,943	75,545	151,329 ^E	3,500	4,200
80. Walla Walla Water & Power No. 18	—	—	—	14,807	Note 45	9,437	(8,565)	Note 46	7,400	None
81. Wenas	—	—	—	2,524	3,026	(365)	(1,414)	261,536 ^E	2,013.5	None
82. Wenatchee Chewawa	—	—	—	4,882	4,945	(439)	591	37,303 ^E	1,200(±)	None
83. Wenatchee Heights Reclamation Dist.	—	—	—	16,415	16,415	4,217	7,377	699,032 ^E	656.59	15(±)
84. Wenatchee Reclamation District	—	—	—	133,118	132,856	(992)	27,963	14,117,965 ^E	12,459	None
85. West End	—	—	—	520	520	191	120	Note 49	270	None
86. West Side No. 5	—	—	—	3,848	3,848	748	2,523	177,205 ^E	1,183.59	None
87. Whitestone Reclamation District	Note 51	30,000	—	36,189	36,189	200	8,858	3,206,045 ^E	2,050	650
88. White Salmon	—	39,000	—	3,205	3,919	(2,120)	1,544	49,333 ^E	378	None
89. Wolf Creek Reclamation District	—	43,000	—	8,543	9,658	269	4,197	Note 1	810.37	400 ^E
90. Yakima Reservation	—	—	—	Note 52	Note 52	(2,487)	(4,332)	57,087,267	57,000(±)	None
91. Yakima-Tieton	—	—	—	332,129	352,204	24,643	(46,055)	27,528,601	27,271	None
92. Zillah	—	—	—	3,206	3,716	1,195	(963)	14,884 ^E	106	None

DETAIL NOTES (Continued)

- | | |
|---|---|
| <p>37. 50% additional needed in July, August and September.</p> <p>38. Can include more land and expand if town grows.</p> <p>39. Additional land may be included in District. U.S.B.R. is making study — may expand 500 to 5,000 acres.</p> <p>40. Unknown amount to replace 2½ miles of 46 inch woodstave pipe with permanent buried pipe.</p> <p>41. 50 acres adjacent to District may be included.</p> <p>42. District system has not been constructed.</p> <p>43. U.S.B.R. says 18,000 acres feasible.</p> <p>44. Irrigation District boundaries are constantly changing. There appears to be no problem in finding enough land to use all of the available water.</p> <p>45. No assessment in 1973.</p> <p>46. No irrigated crops. This project has not been constructed.</p> <p>47. \$3,200,000 to construct project plus escalation of costs since 1970.</p> <p>48. \$1,200,000 loan has been requested from U.S.B.R. and State of Washington.</p> <p>49. Domestic irrigation for small ownerships incl. yards, gardens, and pasture. City-County golf course also.</p> | <p>50. Need 25% more water than allotment in July, August to September 15.</p> <p>51. U.S.B.R. is constructing a new distribution system and pumping plants. Cost figures not available to District at this time.</p> <p>52. No assessment in District since 1970. District makes assessment every four years. Assessment made in 1974.</p> <p>53. Could use 10% more water on present lands if system could handle it.</p> <p>54. \$4,000,000 required to replace open canals and existing pipelines with new permanent pipe (125 miles) at rate of \$200,000 per year for 20 years.</p> |
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DISTRICT SURVEY

Total Area Under Irrigation In District (Acres)	Maximum Rate Of Diversion (See Gen. Note) (cfs)	Annual Total Water Diverted (See Gen. Note) (Acre-feet)	Canals and Laterals Delivery and Distribution System			Estimated Water Use (%)				Water Supply	Estimated Funding Requirement			
			Lined Canal (Miles)	Earth Canal (Miles)	Pipe and Syphon (Miles)	Agricultural	Domestic Irrigation	Domestic Potable	Industrial		0-2 Yrs. (\$)	2-5 Yrs. (\$)	5-10 Yrs. (\$)	
1,303	3.5 mil./gal/da.	25 mil. cu. ft.	-	-	15	62	18	13	7	Adequate	165,000	15,000	-	77.
3,490	Unknown	17,400	2.75	27	2	100	-	-	-	Adequate	-	-	-	78.
3,500	30,000 gpm	5 bil. gals.	-	-	25	70	15	15	-	Adequate	-	-	-	79.
-	-	-	-	-	-	-	-	-	-	-	Note 47	-	-	80.
2,013.5	Unknown	Unknown	-	-	-	100	-	-	-	Adequate	285-365,000	-	-	81.
1,200(±)	Unknown	Unknown	-	15	2	95	5	-	-	Adequate	Unknown	Unknown	Unknown	82.
656.59	12.5	Unknown	-	6	13	100	-	-	-	Adequate	Note 48	-	-	83.
12,459	200	64,740	-	30	5.65	80	20	-	-	Adequate	-	-	-	84.
270	1	Unknown	-	2.5	.1	-	100	-	-	Barely Adequate	-	-	-	85.
1,183.59	18	Unknown	.2	4	.05	100	-	-	-	Note 50	4-25,000	10,000	-	86.
2,050	Unknown	Unknown	10	-	21	98	2	-	-	Adequate	-	-	-	87.
378	Unknown	Unknown	-	1.5	2.25	97	2	1	-	Barely Adequate	1,000	-	-	88.
810.37	Unknown	Unknown	-	3	3.5	100	-	-	-	Barely Adequate	-	-	-	89.
57,000(±)	2,000	660,000	-	692	150	99	1	-	-	Adequate	80,000,000	-	-	90.
27,271	350	100,000	10	160	80	91	5	4	-	Note 53	Note 54	-	-	91.
106	Unknown	Unknown	-	-	6	12	88	-	-	Adequate	-	-	-	92.