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How Reclamation PAYS

PROJECT REPAYMENT HISTORIES AND PAYOUT SCHEDULES
☆ WITH CROP PRODUCTION HISTORY ☆

United States Department of the Interior · Bureau of Reclamation



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HOW RECLAMATION *Pays*

A book of PROJECT REPAYMENT HISTORIES AND
PAYOUT SCHEDULES WITH HISTORY OF CROP
PRODUCTION . . . UNITED STATES DEPARTMENT OF
THE INTERIOR . *J. A. Krug, Secretary* . BUREAU OF
RECLAMATION . *Michael W. Straus, Commissioner*

Summary

This is a summary of repayment histories and payout schedules for existing repayment contracts, including net power revenues applied to construction costs, as of January 1, 1947.

The financial status of repayments on Federal Reclamation projects, as reflected in the records of the Bureau of Reclamation, is outlined in this volume, both historically and by projection of existing contractual arrangements. The record is detailed, year by year, and affords a means of analysis of development, success, and difficulties for each project or major division of a project.

Summary of Costs and Allocations

The total estimated cost of construction for the 72 Bureau projects discussed in this summary, which is exclusive of the Missouri River Basin projects, is about \$2,086,760,000. This total cost figure is cast, for repayment purposes, into the following allocations:

Repayment by Water Users

Now contracted (298 contracts)	\$449, 919, 632
Public land projects, repayment contracts not required in advance of water delivery	53, 658, 728
Private land projects, contracts to be negotiated before water delivery	183, 779, 389
Subtotal	<u>687, 357, 749</u>

Repayment by Power Revenues

Power facilities (interest in addition)	\$520, 328, 636
Irrigation cost allocated for repayment by power revenues	511, 922, 036
Subtotal	<u>1, 032, 250, 672</u>

Other Revenues

Construction revenues and contributed funds	35, 027, 003
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Special Items

Reimbursable costs on completed and proposed projects not covered by contracts	211, 090, 441
Authorized charge-offs (Acts of Congress)	13, 421, 561
Subtotal	<u>224, 512, 002</u>

Total, reimbursable	1, 979, 147, 426
Less, over-contracted items	3, 225, 091

Estimated cost, reimbursable	1, 975, 922, 335
Nonreimbursable amounts (flood control, etc., estimated; does not include Boulder Dam flood control, which is in power facilities above, for eventual payment from power revenues)	87, 708, 999
Other nonreimbursable costs authorized	23, 128, 566
Total, nonreimbursable	<u>110, 837, 565</u>

*Total Expenditures by the
Bureau of Reclamation to Date*

The amount of \$449,919,632, contracted to be repaid by water users, represents more than one-third of the total of nearly one billion dollars which has been expended by the Bureau of Reclamation on construction during its 44 years of existence. Three large projects—Boulder Canyon, Columbia Basin, and Central Valley—account for approximately one-half of the billion dollars total expenditure to June 30, 1946.

*Contractual Obligation
of Water Users*

A complexity of laws under which the Bureau of Reclamation functions, extending from 1902 to date, controls the terms and methods of repayment to be made by the water users for the construction of irrigation systems, by means of which the reimbursable portions of the expenditures made by the Bureau of Reclamation are collected. These obligations, totaling \$449,919,632, as stated above, are covered by a total of 298 repayment contracts which have been entered into between water users' organizations and the United States, as well as a great many individual water right contracts, all made in accordance with the Federal reclamation laws and in conformance with State statutes. Some contract obligations have been paid in full, others are nearly completed; the majority are in the process of repayment, and on new projects just coming under irrigation, repayment has not yet commenced. In some cases provision has been made for a development period prior to commencement of paying construction charges. Details of the status of the several groups appear in the paragraphs that follow.

In addition, \$53,658,728 is being invested in public land projects where there are no settlers at the present time to enter into repayment contracts. Therefore, execution of contracts cannot be required prior to water delivery, but after settlement of the lands steps will be taken to create water users' organizations to contract with the United States.

On some private land projects now under construction, contracts are to be negotiated before water is delivered. The cost of projects in this category will total \$183,779,389. The major portion of this cost is for the Central Valley project in California.

In addition to the reimbursement to be made by water users, power revenues will pay for a large segment of the construction costs of reclamation projects.

*Application of Power Revenues
to Repayment of Construction Costs*

The total power investment, present and contemplated, to be repaid from power revenues, for the sixteen projects discussed in this volume which have power systems, is \$520,328,636, including the \$25,000,000 at Boulder Dam that is now allocated to flood control but has to be repaid eventually. The total irrigation investment to be repaid from power revenues is \$511,922,036 additional, for the same sixteen projects, excluding Missouri Basin.

The total investment to be reimbursed, therefore, through power revenues from the sixteen projects will be \$1,032,250,672 and of this amount the three large projects mentioned above (Boulder Canyon, Columbia Basin, and Central Valley) will account for a total return of \$851,511,366. On four operating projects power revenues are being applied to help the water users meet their annual charges. A total of \$8,568,292 from revenues will be so applied during the payout period on the North Platte, Minidoka, Yuma, and Grand Valley projects.

Sixteen of the projects included in this report have power systems. For the purposes of this report the net power revenues are considered as returned to the Reclamation Fund and are deducted annually from the cost of the project. For repayment of power system costs as required by the Reclamation Project Act of 1939 and in accordance with the Departmental policy of amortization of all investment allocated to power with 3 percent interest in 50 years and application of the interest component to repayment of irrigation costs that are beyond the ability of the water

users to pay, see report titled "Repayment Schedules for Power Systems on Bureau of Reclamation Projects, January 1947."

Other Revenues

Revenue in the total amount of \$35,027,003 has been or is to be received for application on the repayment of construction costs from such sources as rentals of buildings and water; lease of lands for agriculture and grazing; contributions for the construction works, either in the form of Federal allotments or advances by private interests to be benefited.

Special Items

There are additional projects for which no allocations of costs have yet been made, expenditures for which will amount to \$211,090,441. Principal among these projects are the Hungry Horse, Davis Dam, San Luis Valley, and Paliades, which four together account for \$183,178,700 of the total. There are certain costs on projects constructed or under construction which are not covered by repayment contracts.

On a number of older projects the act of May 25, 1926 (44 Stat. 636) authorized deductions in the repayable costs following a survey made by the Board of Survey and Adjustments, of conditions on the projects. These charge-offs aggregate \$17,128,292, including the five projects which have been abandoned, and are discussed later in this summary.

Nonreimbursable Amounts

Portions of costs on a number of projects are nonreimbursable. These include allocations for such beneficial purposes as flood control, navigation, fish and wildlife, conservation, and salinity control. Expenditures for Water Conservation and Utilization projects, in excess of amounts which the water users are able to repay, are

nonreimbursable under the law. There were also certain sums expended from CCC and PWA allotments made available for use by the Bureau.

Reclamation Repayment Laws

The repayment contracts which schedule annual payments on construction charges are written and executed in accord with the laws that govern the particular project or unit, and contain various types of repayment plans covering different periods of time.

Act of June 17, 1902.—The Reclamation Act of June 17, 1902 (32 Stat. 388), authorized the issuance of water right applications by which individual water users contracted to repay their portion of the construction cost of a project in a period of 10 years. On a few projects individual water right contracts of this type are still used.

Act of February 21, 1911.—The act of February 21, 1911 (36 Stat. 925), commonly known as the Warren Act, provided for the disposition of surplus water to individuals or irrigation enterprises outside Government reclamation projects, on terms determined to be just and equitable. The terms of payment now usually run from 10 to 40 years.

Act of August 13, 1914.—The 20-year repayment plan, authorized by the act of August 13, 1914 (38 Stat. 686), was designed to permit a longer term for payment than the Reclamation Act of 1902. A number of 20-year contracts are still in effect; some of these have recently paid out and others are nearing completion of payments.

Act of May 15, 1922.—By the act of May 15, 1922 (42 Stat. 541), the Secretary of the Interior was authorized to contract with legally organized irrigation districts, and to dispense with water right applications on the part of landowners and entrymen.

Act of December 5, 1924.—The act of December 5, 1924 (43 Stat. 672), provided for a plan of payment based on 5 percent of the average gross crop value in a district for a 10-year period. Twenty irrigation districts which entered into this type of contract with the United States are still paying on this basis. These payments, as a

general rule, will run for long terms of years. Authority for contracts of this type, however, was repealed in 1926.

Act of May 25, 1926.—The Omnibus Adjustment Act of May 25, 1926 (44 Stat. 636), authorized a 40-year repayment period in place of the crop repayment plan. Some old contracts were negotiated under this act and many new contracts have been entered into on the 40-year basis provided by law.

Act of August 4, 1939.—The Reclamation Project Act of 1939 (53 Stat. 1187), provides for flexibility in determining the annual rate of repayment for new contracts, again on a crop-income basis, but total repayment must be made in 40 years for distribution systems. A development period not to exceed ten years may be established, from the time water is delivered to a block of land, before payment of construction charges commences. Water service contracts are authorized for storage and carriage works. It also authorizes the negotiation of amendatory contracts for old projects in distress, under the same rules, or for submission of the most practical amendatory plan to Congress for its approval.

The Reclamation Project Act of 1939 authorizes the United States to allocate portions of the total cost of a project to be repaid from power revenues and to flood control and navigation on a non-reimbursable basis, thus making feasible for construction many projects where the water users could not be reasonably expected to repay the entire amounts. Public Law 732, of August 14, 1946, provides for nonreimbursable allocation to fish and wildlife benefits for projects initiated hereafter.

Act of August 11, 1939.—A number of repayment contracts have also been negotiated by the Bureau of Reclamation with water users' organizations under the provisions of the Water Conservation and Utilization Act of August 11, 1939 (53 Stat. 1418), as amended. A development period of not to exceed ten years is permissible and repayment of reimbursable costs is to be contracted in 40 annual installments.

Special Project Acts.—In addition, a number of special acts control the terms of repayment of individual projects. Notable among these is the

Columbia Basin Project Act of March 10, 1943 (57 Stat. 14).

*Range of
Repayment Periods*

The repayment units on which payments are currently being made in accordance with the various repayment laws, may be grouped by repayment periods as follows:

Repayment period (years):	<i>Repayment unit</i> ¹
26 to 39.....	15
40 to 49.....	26
50 to 64.....	12
65 to 79.....	6
80 to 99.....	4
100 to 150.....	3

¹ Projects or major divisions of projects. A total of 177 contracts provide for the repayment.

The long-term contract arrangements shown above are caused by the contracts which are on the crop repayment plan, which was authorized by Subsection F of Section 4 of the act of December 5, 1924. In some cases individual water right applications made subsequent to execution of repayment contracts with districts have caused extensions of the repayment period for minor amounts. Moratoria granted under special acts during depressions have increased the average contract life from approximately 40 to 50 years. It is noteworthy that these moratoria extend the repayment period and do not release the water users from their obligations as to total amounts to be repaid.

*Schedules
of Payout*

Schedules of payout have been prepared, beginning with the fiscal year 1947, which project ahead the historical record to show by annual instalments the paying off of each repayment obligation, in accordance with the reclamation laws and the several repayment methods authorized by these laws. In the case of repayments on

SUMMARY

the crop value plan, the 1939-44 average crop values have been used as the assumed base in computing future annual charges.

Project accounts disclose the following details related to repayment history.

*Current Status of Construction
Repayments by Water Users*

In summary, a total of \$76,645,081 had become due on June 30, 1946, and \$74,443,243 of this amount, or 97.1 percent, had been paid. In the six months elapsed since the end of the fiscal year 1946, an additional \$395,430 has been paid on these accounts. Thus, 97.6 percent of the amount due has been collected, and deposited into the Reclamation Fund, leaving a total balance of \$1,806,408 unpaid at the end of the calendar year 1946. In this volume the unpaid balances are discussed for each project which is not fully paid.

Net power revenues contribute materially to reimbursement for construction of reclamation projects, and on some projects such revenues are credited to the payments due from the water users. To June 30, 1946, net power revenues amounted to \$78,678,002. The Bureau recovered in the year ending June 30, 1946, approximately \$17,000,000 from net power earnings.

*Full Payment Made
for Project Features*

Payments have been made in full for two dams and final payment for one major division of the Yakima project is being made in January 1947. These are:

- Laguna Dam, Yuma project, Arizona-California.
- Jackson Lake Dam, Minidoka project, Idaho.
- Tieton Division, Yakima project, Washington.

The total obligation to the United States for these three features was \$5,549,063.

There are 80 contracts paid in full, most of them having been made under the Warren Act of 1911. Several hundred individual water right applicants have also completed construction payments.

*Contract Obligations
More than 50 Percent Paid*

On fourteen additional projects or units of projects the contract obligations were more than 50 percent paid on June 30, 1946:

<i>Project</i>	<i>Percent paid</i>
Yuma—Reservation Division	98
Minidoka—Gravity Division	96
North Platte—Storage Division	94
Yuma—Auxiliary	88
Yakima—Sunnyside Division	85
Yuma—Valley Division	74
Minidoka—South Side Division	74
Minidoka—American Falls Reservoir	72
Klamath—Main Division	64
Newlands	61
Salt River	59
Sun River—Fort Shaw Division	58
Strawberry Valley	57
Rio Grande	53

The above group represents a total obligation to be repaid to the United States of \$58,623,526.

*Cumulative Repayments
Exceeding \$1,000,000*

There are 31 projects on the Bureau's honor roll where total payments to the United States, including construction, operation and maintenance, and water rental charges have exceeded one million dollars.

*Repayment Made on
All Construction Charges Due*

On the following 36 projects or units the water users have now paid all construction charges that had become due to June 30, 1946:

Baker.	Grand Valley:
Boise:	Gravity.
Black Canyon Dam.	Orchard Mesa I. D.
Notus Division.	Humboldt.
Burnt River.	Huntley.
Deschutes: Central Oregon	Klamath:
I. D.	Langell Valley Division.
Fruitgrowers Dam.	Main Division.

Lower Yellowstone.	Strawberry Valley.
Minidoka:	Sun River:
American Falls Dam.	Fort Shaw Division.
Gooding Division.	Geenfields Division.
South Side Division.	Truckee Storage.
Upper Snake River.	Umatilla: Stanfield I. D.
Moon Lake.	Riverton.
Newlands.	Weber River.
North Platte:	Yakima:
Fort Laramie Division.	Kittitas Reclamation Dis-
Ogden River.	trict.
Owyhee:	Roza-Terrace Heights
Owyhee Ditch Company.	I. D.
Rio Grande.	Storage Division.
Salt River.	Yuma: Mesa Division.
Shoshone: Garland Divi-	
sion.	

The total contracted obligation of these projects which are current in their payments to the United States amounts to \$126,374,741.

Minor Unpaid Balances of Construction Charges

The following 16 projects or units of projects had unpaid balances on December 31, 1946, which total \$162,500 and are not considered serious. Most of them, in fact, are expected to be paid within the next 6 months.

Boise: Arrowrock Division.	Orland.
Carlsbad.	Pine River.
Frenchtown.	Sanpete.
Hyrum.	Shoshone: Frannie Divi-
Klamath: Pumping Divi-	sion.
sion.	Yakima: Sunnyside Divi-
Milk River: Chinook Divi-	sion.
sion.	Yuma:
Minidoka: Gravity Division.	Reservation Division.
North Platte:	Valley Division.
Interstate Division.	
Storage Division.	

The total contract obligation of these projects is \$48,051,029.

Serious Repayment Problems

There are seven projects where the water users are having serious difficulties in meeting the construction instalments under existing contracts.

In all these cases detailed analyses of the difficulties are in progress for the purpose of determining the repayment ability of the water users, to be followed by negotiation of amendatory contracts with the water users' organizations. These projects are:

Belle Fourche.
Bitter Root.
Milk River (Malta and Glasgow irrigation districts).
Okanogan.
Uncompahgre.
North Platte (Northport irrigation district).
Umatilla (East and West Divisions, and the Westland irrigation district).

The sums which the above group of projects have contracted to repay total \$25,697,397. The present delinquency of these projects amounts to \$1,639,629.

Abandoned Projects

Four small projects which were initiated in the early years of reclamation work and one project for which reconstruction was undertaken in 1917, proved infeasible to operate and the obligations due the United States have been charged off, as authorized by special acts of Congress, as losses to the Reclamation Fund. These projects and the applicable laws are:

Buford-Trenton project, North Dakota—act of May 26, 1926 (44 Stat. 653).
Williston project, North Dakota—act of May 26, 1926 (44 Stat. 653).
Garden City project, Kansas—act of June 5, 1920 (41 Stat. 1054).
King Hill project, Idaho—act of June 18, 1934 (48 Stat. 980).
Hondo project, New Mexico—in suspended status.

The total amount for these projects which has been charged off as a loss is \$3,324,635.04.

Operation and Maintenance and Water Rental Charges

In addition to construction charges collected to June 30, 1946, a total of \$43,330,036 had been paid the United States since 1907 for operation and maintenance of dams, reservoirs, canals,

and other expenses incident to furnishing irrigation water. The total due up to June 30, 1946, was \$43,463,071, leaving an unpaid balance of \$133,035, or 0.3 percent. Water rental charges are collected on some projects prior to the commencement of payment of construction charges. To June 30, 1946, a total of \$15,272,210 had been collected from project water users since 1907 for this purpose. A total of \$15,390,323 had become due and a balance of \$118,113, or 0.8 percent, was unpaid for water rental.

*Material Included
in This Volume*

Repayment contracts.—This volume includes material for 177 major contracts on 66 projects or divisions of projects where reimbursements are now being made to the Reclamation Fund. A total of 80 contracts have been paid in full. Most of these were made under the Warren Act. Material is also inserted pertaining to 38 repayment contracts on 19 projects covering a total obligation of more than \$206,100,000, where repayment has not commenced. These projects are either still in the process of construction, or irrigation has just commenced and the area is in a development stage. Twelve additional projects where repayment negotiations are in progress are also mentioned. Descriptions are included of five projects which were considered failures and obligations to the United States cancelled.

Crop histories.—Included in the volume are tables and graphs presenting material as to acreages in cultivation, crop production, and value of crops produced. A year-by-year tabulation for each project or unit shows the acreages in cultivation, the total gross crop values, and the average crop value per acre. Accompanying the table for each unit is a graph, usually prepared on a 5-year interval basis, showing the

extent of acreage planted to various important crops. A study of these tables and graphs will furnish a review as to the development of an area, the trends in cropping practices, and the gross monetary returns, and can be correlated with the repayment accounts.

*Tables for Boulder Canyon, Columbia Basin,
and Colorado-Big Thompson projects*

The tabulation inserted in this volume for the Boulder Canyon project reflects the annual computations required by regulations of the Secretary of the Interior for energy rates.

The pay-out table inserted for the Columbia Basin project covers only irrigation contract repayment. The computations to show payout from power revenues are being revised on the basis of accelerated power revenues received during the postwar period and will be available shortly. The allocation between functions remains unchanged from that shown in House Document 172, Seventy-ninth Congress, first session.

The tabulation of the irrigation payout schedule of the Colorado-Big Thompson project includes only the contract repayment obligation of the Northern Colorado Conservancy District and does not take into consideration increased benefits to irrigation related to increased construction costs. Power revenues will repay all power construction costs with interest at 3 percent. The interest component will be applied to repayment of that portion of the irrigation construction cost which probably cannot be repaid by the water users. There is also an additional amount of \$11,000,000 in the total cost of irrigation facilities which in this tabulation is scheduled for repayment by increasing the average power revenues, pending determination of ability of the water users to increase their repayment total.

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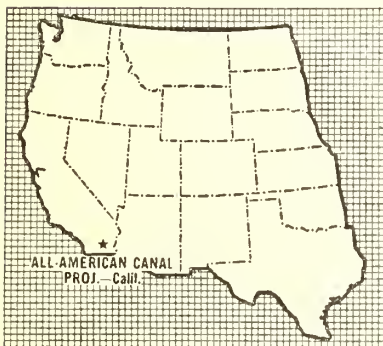
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All-American Canal Project

California . . .

. . . Region III

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Imperial Irrigation District, Coachella Valley County Water District, and the city of San Diego have contracted to repay a total of \$38,500,000 for construction of the Imperial Dam, desilting works, All-American Canal, Coachella Canal, and related structures, as authorized by the Boulder Canyon Project Act. Two power plants on the All-American Canal have been built by the Imperial Irrigation District.

Construction of the Coachella main canal is in progress. Repayment of the construction cost of the canal has not commenced.

Completed portions of the system were being operated by the United States as of December 31, 1946. Negotiations were in an advanced stage on that date, looking to the transfer of operation and maintenance to the Imperial Irrigation District of that portion of the Main All-American Canal below Station 1098, exclusive of the Coachella Canal.

Completed portions of the system were being operated by the United States as of December 31, 1946. Negotiations were in an advanced stage on that date, looking to the transfer of operation and maintenance to the Imperial Irrigation District of that portion of the Main All-American Canal below Station 1098, exclusive of the Coachella Canal.

Repayment of Construction Investment

PAY-OUT SCHEDULE¹

	Fiscal year	Amounts due from contractors		
		Imperial irrigation district	Coachella Valley County water district	City of San Diego
Contract obligation (total \$38,500,000) -----		\$24, 938, 446	\$13, 128, 078	\$433,476
	1948	249, 384		
	1949	249, 384		
	1950	249, 384		
	1951	249, 385		
	1952	249, 385	131, 281	4, 335
	1953	498, 769	131, 281	4, 335
	1954	498, 769	131, 281	4, 335
	1955	498, 769	131, 281	4, 335
	1956	498, 769	131, 280	4, 335
	1957	498, 769	262, 562	8, 670
	1958	498, 769	262, 562	8, 670
	1959	498, 769	262, 562	8, 670
	1960	498, 769	262, 562	8, 670
	1961	498, 769	262, 562	8, 670
	1962	498, 768	262, 562	8, 670
	1963	748, 153	262, 562	8, 670
	1964	748, 153	262, 562	8, 670
	1965	748, 153	262, 562	8, 670
	1966	748, 153	262, 561	8, 670
	1967	748, 153	393, 842	13, 004
	1968	748, 153	393, 842	13, 004
	1969	748, 153	393, 842	13, 004
	1970	748, 153	393, 842	13, 004
	1971	748, 153	393, 842	13, 004
	1972	748, 153	393, 842	13, 004
	1973	748, 153	393, 842	13, 004
	1974	748, 153	393, 842	13, 004
	1975	748, 153	393, 842	13, 004
	1976	748, 153	393, 842	13, 004
	1977	748, 153	393, 842	13, 004

¹ Scheduled on assumed dates for commencement.

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors		
	Imperial irrigation district	Coachella Valley County water district	City of San Diego
1978	\$748, 153	\$393, 842	\$13, 004
1979	748, 153	393, 842	13, 004
1980	748, 153	393, 842	13, 004
1981	748, 153	393, 842	13, 004
1982	748, 153	393, 842	13, 004
1983	748, 153	393, 842	13, 004
1984	748, 153	393, 842	13, 004
1985	748, 153	393, 842	13, 004
1986	748, 153	393, 842	13, 004
1987	748, 163	393, 842	13, 004
1988	-----	393, 842	13, 004
1989	-----	393, 842	13, 004
1990	-----	393, 842	13, 004
1991	-----	393, 847	13, 005

¹ Scheduled on assumed dates for commencement.

IMPERIAL IRRIGATION DISTRICT

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1942-----	355, 395	\$38, 163, 991	\$107. 38
1943-----	400, 350	57, 582, 185	143. 83
1944-----	383, 177	61, 603, 571	160. 77
1945-----	393, 786	62, 298, 113	158. 20

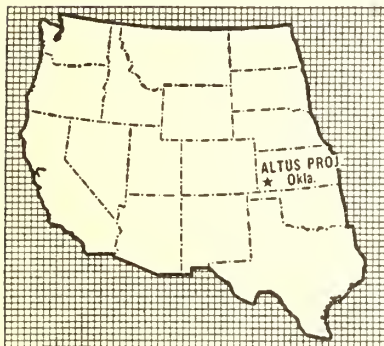
¹ Includes Government benefit payments.

Altus Project

Oklahoma . . .

. . . Region V

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The United States has constructed the Altus storage dam and is installing an irrigation system to irrigate land that has heretofore been dry-farmed. As a condition precedent to the initiation of construction, a contract dated January 12, 1942, was entered into with the Lugert-Altus Irrigation District for repayment of \$3,080,000 in forty installments, this sum representing a fixed reimbursable cost met by appropriations from the Reclamation Fund. (Act of July 12, 1943, 57 Stat. 451.) The Congress has, however, appropriated from the Reclamation Fund additional money designated as "reimbursable," bringing the total reimbursable appropriations from this fund to \$5,184,610. In addition, appropriations have been made from the general fund, designated as reimbursable under the reclamation laws, totaling \$4,845,000.

The city of Altus has entered into a contract with the United States to repay \$1,080,000 of the cost of the project to obtain water for municipal use. Since the reimbursable portion of the construction cost is fixed by law, the amount repaid by the city of Altus will reduce the amount to be collected from the water users. The reduced construction charges will be approximately \$29 per irrigable acre.

First irrigation water was available in 1946 and a notice was issued announcing the water rental rate for 1,760 acres of District land.

Construction is still in progress and repayment has not commenced. The United States is operating the irrigation system.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$3, 080, 000
	1950	77, 000
	1951	77, 000
	1952	77, 000
	1953	77, 000
	1954	77, 000
	1955	77, 000
	1956	77, 000
	1957	77, 000
	1958	77, 000
	1959	77, 000
	1960	77, 000
	1961	77, 000
	1962	77, 000
	1963	77, 000
	1964	77, 000
	1965	77, 000

See footnote at end of table.

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	1966	\$77, 000
	1967	77, 000
	1968	77, 000
	1969	77, 000
	1970	77, 000
	1971	77, 000
	1972	77, 000
	1973	77, 000
	1974	77, 000
	1975	77, 000
	1976	77, 000
	1977	77, 000
	1978	77, 000
	1979	77, 000
	1980	77, 000

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	1981	\$77, 000
	1982	77, 000
	1983	77, 000
	1984	77, 000
	1985	77, 000
	1986	77, 000
	1987	77, 000
	1988	77, 000
	1989	77, 000

¹ Scheduled on an assumed date for commencement of repayment.

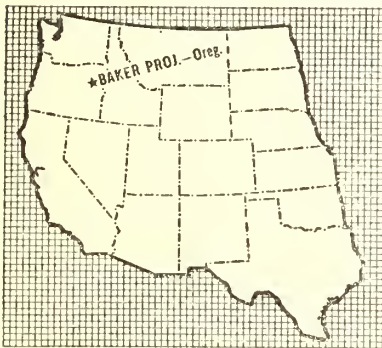
Contractors: Lugert-Altus Irrigation District and city of Altus. The city will repay a total of \$1,080,000 in 40 graduated installments.

Baker Project

Oregon . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The United States constructed Thief Valley Dam and Reservoir to furnish supplemental water for lands within the Baker project, and the Lower Powder River Irrigation District has contracted to repay the construction cost of \$225,015.

This averages \$31 per irrigable acre.

Repayments commenced in 1937 and on June 30, 1946, a total of \$54,810, or 24 percent of the total obligation, had become due and had all been paid by the district. Under the present contract repayment of the irrigation investment will be completed in 1976.

The Lower Powder River Irrigation District operates the project.

Determination of repayment obligation as of June 30, 1946:

Cost \$225, 015

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1932	\$240,000								Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1933, \$5,770; 1934, \$5,769; 1935, \$5,770; 1936, \$2,884.
1933	240,000								
1934	225,188								
1935	225,188								
1936	225,015								
1937	225,015	\$2,885		\$2,885	\$2,885		\$2,885		
1938	225,015	5,770		5,770	5,770		8,655		
1939	225,015	5,769		5,769	5,769		14,424		
1940	225,015	5,770		5,770	5,770		20,194		
1941	225,015	5,739		5,769	5,769		25,963		
1942	225,015	5,770		5,770	5,770		31,733		
1943	225,015	5,769		5,769	5,769		37,502		
1944	225,015	5,770		5,770	5,770		43,272		
1945	225,015	5,769		5,769	5,769		49,041		
1946	225,015	5,769		5,769	5,769		54,810		
Total		54,810		54,810	54,810		54,810		
Collected				54,810					
Uncollected				0					

¹ Obligation reduced to actual cost.

Operation and maintenance by the Lower Powder River Irrigation District.

Repayment of Construction Investment
PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$225, 015
	Due to June 30—1946.....	54, 810
	1947.....	5, 770
	1948.....	5, 769
	1949.....	5, 770
	1950.....	5, 769
	1951.....	5, 770
	1952.....	5, 769
	1953.....	5, 770
	1954.....	5, 769
	1955.....	5, 770
	1956.....	5, 769
	1957.....	5, 770
	1958.....	5, 769
	1959.....	5, 770
	1960.....	5, 769
	1961.....	5, 770
	1962.....	5, 769
	1963.....	5, 770
	1964.....	5, 770
	1965.....	5, 770
	1966.....	5, 770
	1967.....	5, 770
	1968.....	5, 770

HOW RECLAMATION PAYS

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE

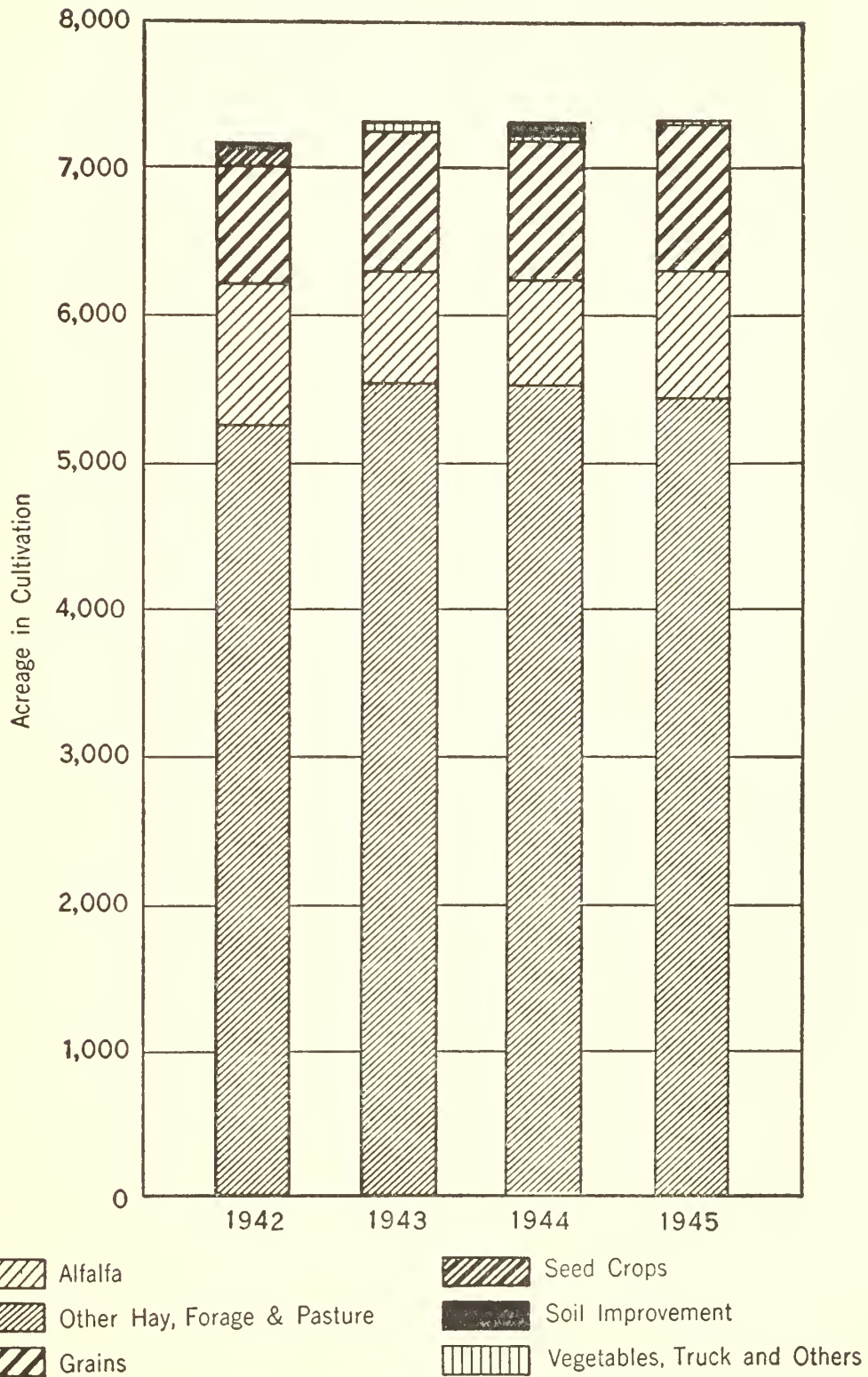
	Fiscal year	Amount
	Due to June 30—1969.....	\$5, 770
	1970.....	5, 770
	1971.....	5, 770
	1972.....	5, 770
	1973.....	5, 770
	1974.....	5, 769
	1975.....	5, 770
	1976.....	2, 884

Contractor: Lower Powder River Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1942.....	7, 164	\$197, 186	\$27. 52
1943.....	7, 312	204, 424	27. 96
1944.....	7, 312	203, 222	27. 79
1945.....	7, 312	209, 206	28. 61

¹ Includes Government benefit payments.

BAKER PROJECT, OREGON CROP HISTORY



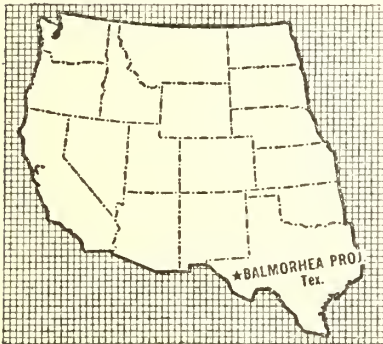
Water Service Commenced in 1932
First Crop Report Furnished in 1942

Balmorhea Project

Texas . . .

. . . Region V

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Repairs and reconstruction work on the Balmorhea project in west Texas are in progress by the United States to supply supplemental water to 7,520 acres, the work being done under authority of

the Water Conservation and Utilization Act.

The Reeves County Water Improvement District No. 1 is obligated (contract of August 23, 1945), to repay \$255,600 on the construction cost, in forty annual instalments, to begin the year following the year in which notice is given to the district that the project works are sufficiently completed to provide their effective use for the benefit of project lands. The construction charges will be approximately \$34 per irrigable acre.

Repayment of Construction Investment
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$255, 600
	1948	1, 300
	1949	2, 419
	1950	2, 319

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	1951	\$2, 479
	1952	2, 639
	1953	2, 799
	1954	2, 709
	1955	2, 629
	1956	2, 559
	1957	2, 499
	1958	2, 449
	1959	2, 409
	1960	2, 379
	1961	2, 359
	1962	2, 349
	1963	2, 349
	1964	2, 359
	1965	2, 379
	1966	2, 409
	1967	2, 449
	1968	2, 499
	1969	6, 559
	1970	10, 719
	1971	10, 719
	1972	10, 719
	1973	10, 719
	1974	10, 719
	1975	10, 719
	1976	10, 719
	1977	10, 719
	1978	10, 719
	1979	10, 719
	1980	10, 719
	1981	10, 719
	1982	10, 719
	1983	10, 719
	1984	10, 719
	1985	10, 719
	1986	10, 719
	1987	10, 719
	1988	5, 359

¹ Scheduled on an assumed date for commencement of repayment.

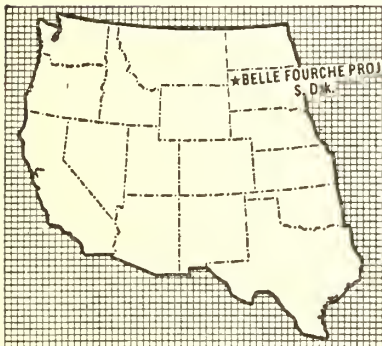
Contractor: Reeves County Water Improvement District No. 1.

Belle Fourche Project

South Dakota . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Repayments on the Belle Fourche project, on an individual water right basis, began in 1909. After passage of the Omnibus Adjustment Act in 1926, the obligation was re-

scheduled in a repayment contract will be negotiated as soon as a basis can be laid for rescheduling annual charges that the water users can be expected to repay.

The project is operated by the United States with funds advanced annually by the Belle Fourche Irrigation District. To June 30, 1946, a total of \$1,773,092 had been collected from the water users for operation and maintenance and \$15,600 for water rentals.

Determination of repayment obligation as of June 30, 1946:

contract with the Belle Fourche Irrigation District, which provided for payment over a 40-year period, replacing the individual water right applications. The total contract obligation is \$5,320,632. This construction charge averages \$74 per irrigable acre. Of this amount, \$1,022,079, or 19 percent of the total obligation, had become due to June 30, 1946, and \$970,367 had been paid. A total of \$51,712 remained unpaid.

The project water users have had difficulties in recent years in meeting their annual contract payments and deferment of construction charges has been necessary in some years. A survey of the project, its financial and economic condition, is in progress for the purpose of analyzing the repayment ability of the water users. An amendatory

Gross cost	\$4,630,392
Operation and maintenance funded	570,194
Penalties funded	106,383
	5,306,969
Less construction revenues	31,030
	5,275,939
Less charge-off, Act of May 26, 1926	379,032
	4,896,907
Willow Creek Unit not built	423,725
	5,320,632

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1909		\$22,313		\$22,313	\$612		\$612	\$612	
1910		32,322		32,322	9,646	\$19,475	29,121	29,733	
1911		100,218		100,218	8,370	24,120	32,490	62,223	
1912		54,100	¹ \$127,094	¹ 72,994	30,438	¹ 34,885	¹ 4,447	57,776	1912. Reduction of accruals.
1913		96,809	4,135	100,944	15,824	17,880	33,704	91,480	1911 public notice.
1914		133,895	¹ 42,501	91,394	12,556	2,278	14,834	106,314	
1915	\$1,621,056	74,246	¹ 105,659	¹ 31,413	21,224	¹ 2,049	19,175	125,489	1915. Reclamation Extension Act, Aug. 3, 1914.
1916	1,914,686	40,085	¹ 96,363	¹ 56,278	25,718	10,922	36,640	162,129	
1917	2,125,659	43,404		43,404	23,755	24,382	48,137	210,266	
1918	2,269,795	36,918		36,918	22,054	19,649	41,703	251,969	
1919	2,394,007	64,244		64,244	46,424	14,864	61,288	313,257	
1920	2,621,980	68,562		68,562	48,817	10,297	59,114	372,371	
1921	2,616,632	100,454		100,454	39,441	9,983	49,424	421,795	
1922	2,617,847	110,791	¹ 719	110,072	16,252	9,282	25,534	447,329	
1923	2,597,278	119,910	¹ 1,668	118,242	8,646	6,251	14,897	462,226	
1924	² 4,345,277	62,744	¹ 331,284	¹ 268,540	28,902	¹ 65,103	¹ 36,201	426,025	1924. Funding of delinquencies, 1923 contract.
1925	4,345,277	137,112	62,316	199,428	19,582	26,418	46,000	472,025	
1926	4,345,277	137,078		137,078	7,109		7,109	479,134	
1927	4,345,277	0	¹ 121	¹ 121	0	¹ 30	¹ 30	479,104	
1928	4,343,586	6,584	¹ 683	5,901	6,584	¹ 641	5,943	485,047	
1929	4,251,433	72,779	¹ 322,115	¹ 249,336	72,779	¹ 5,014	67,765	552,812	1929. Funding of delinquencies, 1927 contract.
1930	³ 5,416,493	34,521	¹ 1,322	33,199	34,521	¹ 1,322	33,199	586,011	
1931	5,404,740	61,179	¹ 2,562	58,617	61,179	¹ 2,562	58,617	644,628	
1932	5,313,998	1,635	¹ 23,879	¹ 22,244	1,635	¹ 23,879	¹ 22,244	622,384	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$51,907; 1932, \$50,764; 1933, \$49,202; 1934, \$49,574; 1935, \$49,062; 1936, \$27,047. Part 1937 charge deferred under act of Aug. 21, 1937, \$38,500. Part 1938 charges deferred under act of May 31, 1939, \$40,248. Charges deferred under act of Aug. 4, 1939, year 1939, \$53,993; 1940, \$26,930; 1941, \$30,630; and 1943, \$20,685.
1933	5,313,998	1,167		1,167	1,167		1,167	623,551	
1934	5,324,254	799		799	799		799	624,350	
1935	5,324,254	0	¹ 221	¹ 221	0	¹ 221	¹ 221	624,129	
1936	5,320,632	2,505		2,505	2,505		2,505	626,634	
1937	5,320,632	57,458		57,458	5,106		5,106	631,740	
1938	5,320,632	17,413	¹ 3,384	14,029	1,997	18,691	20,688	652,428	
1939	5,320,632	57,716		57,716	4,031	16,131	20,162	672,590	
1940	5,320,632	28,655	¹ 67,748	¹ 39,093	1,724	13,711	15,435	688,025	
1941	5,320,632	33,828		33,828	7,445	1,790	9,235	697,260	
1942	5,320,632	33,498		33,498	5,431	22,839	28,270	725,530	
1943	5,320,632	66,138		66,138	60,311	58,539	118,850	844,380	
1944	5,320,632	63,020		63,020	49,829	5,828	55,657	900,037	
1945	5,320,632	63,172	¹ 20,785	42,387	61,986	¹ 7,594	54,392	954,429	
1946	5,320,632	66,464		66,464	14,752	1,186	15,938	970,367	
Total		2,103,736	¹ 1,081,657	¹ 1,022,079	779,151	191,216	970,367		
Collected				970,367					
Uncollected				⁵ 51,712					

See footnotes at end of table.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1909.....	\$5,950	\$5,371	1907, June 21. Public notice. Construction charge \$30 per acre. Payable 10 equal annual installments.
1910.....	11,976	11,806	1910, Feb. 19. Public notice. Construction charge \$30 per acre. Payable 10 equal annual installments.
1911.....	22,463	22,598	1911, Dec. 30. Public notice. Equal annual installments charged to graduated annual installments and for some lands construction charge raised to \$35 and \$40 per acre.
1912.....	27,492	13,433	1912, May 2. Public notice. Construction charge \$30, \$35, and \$40 per acre. Payable in 10 graduated installments.
1913.....	32,117	12,181	1915, May 18. Public notice. Construction charge \$40 per acre. Payable 20 graduated installments.
1914.....	30,341	25,532	1917, Jan. 9. Public notice. Construction charge \$45 per acre. Payable 20 graduated installments.
1915.....	¹ 4,800	15,613	1921, Aug. 2. Public notice. Construction charge \$45 per acre. Payable 20 graduated installments.
1916.....	30,843	25,275	1923, July 16. Contract with Belle Fourche Irrigation District. District obligated to pay construction cost of project. Construction deficit, operation and maintenance deficit, and delinquent charges merged as supplemental construction to be paid after 20-year repayment period in installments of \$3.15 per acre.
1917.....	54,868	43,579	1927, Oct. 4. Contract with Belle Fourche Irrigation District. Time of payment of primary construction charges extended to 40 years. Delinquent operation and maintenance and penalties and construction penalties funded. District assumed additional obligation for construction of drains, \$1,000,000, and for replacement of structures, \$150,000 to be paid as supplemental construction.
1918.....	67,490	62,467	1931, Sept. 1. Contract with Belle Fourche Irrigation District. Remainder of primary construction to be paid in graduated annual installments of from \$50,000 to \$75,000, 1931 to 1955. Supplemental construction to be paid after primary at rate of \$75,000 per year.
1919.....	96,115	87,988	
1920.....	101,730	89,444	
1921.....	147,036	55,286	
1922.....	148,497	37,420	
1923.....	98,745	17,808	
1924.....	¹ 345,280	¹ 55,988	
1925.....	76,285	22,771	
1926.....	78,060	57,561	
1927.....	75,000	11,620	
1928.....	135,000	115,137	
1929.....	¹ 137,619	75,407	
1930.....	65,000	65,000	
1931.....	67,500	67,500	
1932.....	63,700	63,700	
1933.....	56,767	56,767	
1934.....	59,534	59,534	
1935.....	67,500	67,500	
1936.....	71,304	71,304	
1937.....	49,049	49,049	
1938.....	71,255	71,255	
1939.....	61,870	61,870	
1940.....	64,000	64,000	
1941.....	45,088	45,088	
1942.....	43,000	43,000	
1943.....	49,262	49,262	
1944.....	62,296	62,296	
1945.....	62,200	62,200	
1946.....	61,458	61,458	
Total.....	1,773,092	1,773,092	

¹ Decrease. Decreases are due to funding of delinquent charges, deferments under relief acts, and cancellations of water-right applications.
² Increase in obligation due to assumption by district of obligation to pay construction and operation and maintenance deficits and to funding of delinquencies.
³ Increase in obligation due to assumption by district of obligation for drainage work and replacements, and to funding of delinquencies.
⁴ Includes \$5,411 paid on suspended or temporarily unproductive lands.
⁵ Uncollected amount represents delinquencies due to adverse project conditions.

This project is on a 40-year repayment basis. Repayment of original construction to be completed by 1965, including amounts deferred. Repayment of supplemental construction will be completed in 32 annual installments, 1966 to 1997.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands		\$4, 520, 930
Suspended lands (temporarily unproductive)		² 799, 702
Total amount repayable		5, 320, 632
	Due to June 30—1946	1, 016, 668
	1947	69, 000
	1948	69, 000
	1949	69, 000
	1950	69, 000
	1951	72, 000
	1952	75, 000
	1953	75, 000
	1954	75, 000
	1955	75, 000
	1956	67, 723
	1957	75, 937
	1958	62, 078
	1959	49, 317
	1960	51, 578
	1961	38, 500
	1962	67, 244
	1963	53, 927
	1964	30, 630
	1965	20, 685
	1966	³ 75, 000
	1967	75, 000
	1968	75, 000
	1969	75, 000
	1970	75, 000
	1971	75, 000
	1972	75, 000
	1973	75, 000
	1974	75, 000
	1975	75, 000
	1976	75, 000
	1977	75, 000
	1978	75, 000
	1979	75, 000
	1980	75, 000
	1981	75, 000
	1982	75, 000
	1983	75, 000
	1984	75, 000
	1985	75, 000
	1986	75, 000
	1987	75, 000
	1988	75, 000
	1989	75, 000
	1990	75, 000
	1991	75, 000
	1992	75, 000
	1993	75, 000
	1994	75, 000
	1995	75, 000
	1996	75, 000
	1997	13, 643

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1908 ²	4, 025	\$62, 266	\$15. 47
1909 ²	5, 613	98, 227	17. 50
1910 ²	13, 150	171, 051	13. 00
1911 ²	18, 000	161, 955	9. 00
1912	27, 803	308, 602	11. 09
1913	32, 568	355, 380	10. 91
1914	36, 709	461, 188	12. 56
1915	43, 063	462, 050	10. 72
1916	46, 909	557, 319	11. 88
1917	50, 026	1, 171, 239	23. 41
1918	52, 445	1, 276, 115	24. 33
1919	56, 255	1, 962, 683	34. 89
1920	59, 850	832, 200	13. 90
1921	55, 100	513, 750	9. 32
1922	56, 920	585, 770	10. 29
1923	50, 290	609, 470	12. 12
1924	49, 810	597, 090	11. 98
1925	53, 120	891, 254	16. 78
1926	47, 730	880, 320	18. 44
1927	45, 700	910, 590	19. 93
1928	46, 700	1, 173, 370	25. 13
1929	47, 955	1, 206, 575	25. 16
1930	53, 803	1, 204, 293	22. 38
1931	44, 372	685, 070	15. 44
1932	49, 129	601, 121	12. 24
1933	47, 379	723, 580	15. 27
1934	43, 405	1, 022, 446	23. 56
1935	46, 081	1, 026, 675	22. 28
1936	37, 546	978, 142	26. 05
1937	33, 050	652, 008	19. 73
1938	40, 612	901, 302	22. 19
1939	34, 222	821, 222	24. 00
1940	38, 649	950, 699	24. 60
1941	40, 348	1, 121, 828	27. 80
1942	39, 571	1, 108, 556	28. 01
1943	47, 137	1, 159, 951	24. 61
1944	44, 222	1, 088, 975	24. 63
1945	51, 340	1, 409, 945	27. 46

¹ Includes Government benefit payments.

² Estimated.

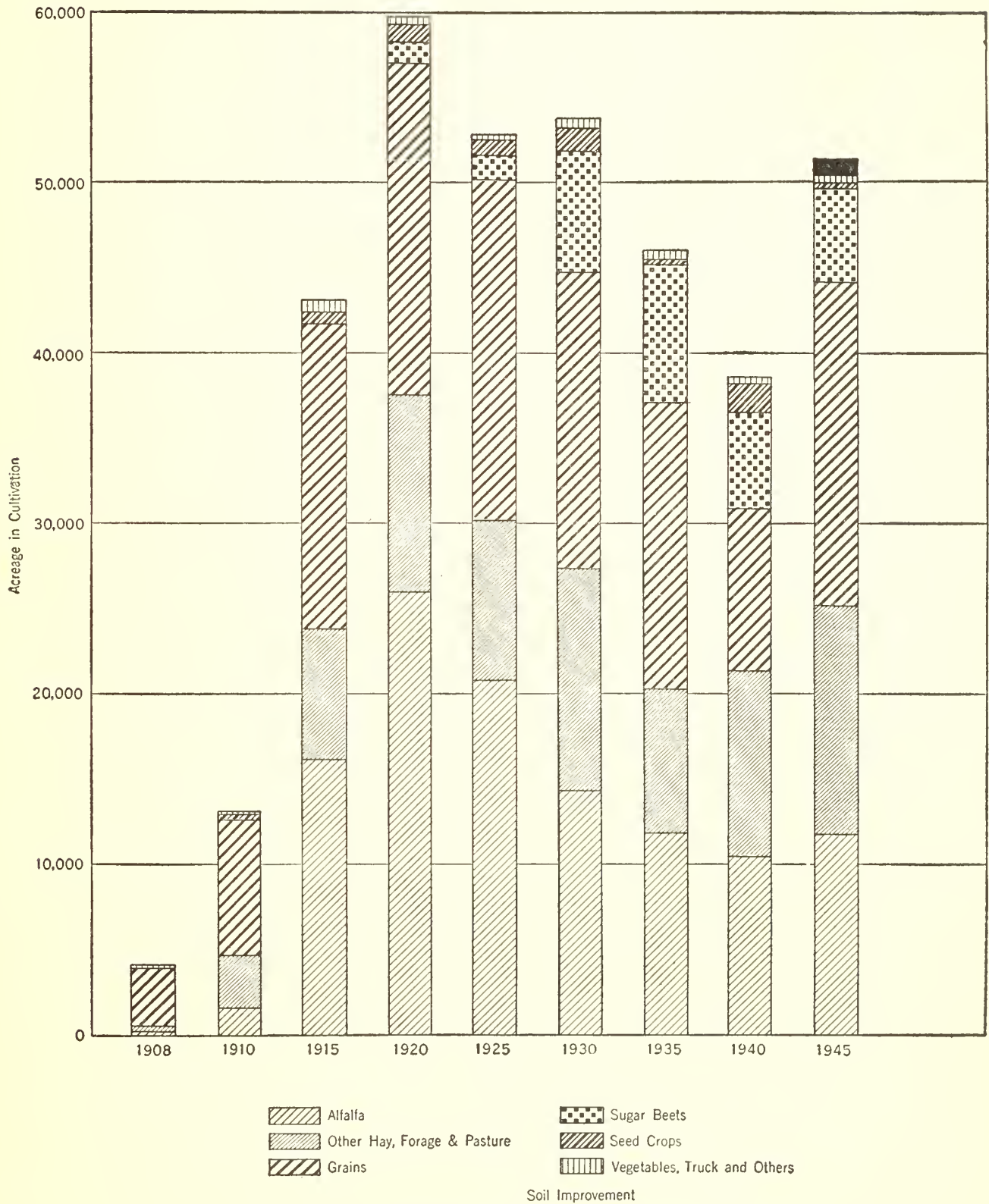
¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

² \$5,411 paid on suspended lands, which are lands considered temporarily unproductive and on which charges are not currently assessed.

³ Beginning in fiscal year 1966 the cost of supplemental construction will be repaid in a period of 32 years.

Contractor: Belle Fourche Irrigation District.

BELLE FOURCHE PROJECT, SOUTH DAKOTA
CROP HISTORY



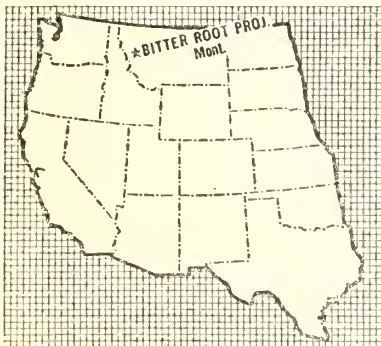
Water Service Commenced in 1908

Bitter Root Project

Montana . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

In 1931 the United States entered into a contract with the Bitter Root Irrigation District to liquidate the District's private indebtedness and to perform rehabilitation work on its irrigation system. The

district has agreed to repay the United States a total of \$1,464,279, or an average of \$90 per acre, based on the present irrigable acreage. Repayments commenced in 1937. On June 30, 1946, a total of \$307,626, or 21 percent, had become due and \$180,016 had been collected and paid to the United States.

The district has had several extensions of payments under the relief acts, but still owes \$127,610 on installments running back to the year 1941. The negotiation of an amendatory repayment contract, to reschedule construction installments to the ability of the water users to repay, will follow completion of an economic survey now in progress.

The Bitter Root Irrigation District operates the project works.

Determination of repayment obligation as of June 30, 1946:

Construction cost	\$947,641
Interest funded	516,638

1,464,279

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1937	\$1,464,279	\$36,122		\$36,122	\$18,025		\$18,025	\$18,025	Construction charges deferred: For calendar year 1936 under act of Apr. 14, 1936, \$18,097; for 1937 under act of Aug. 21, 1937, \$14,490; for 1938 under act of May 31, 1939, \$18,061; for 1939, \$17,388, and for 1940, \$20,561, under act of Aug. 4, 1939.
1938	1,464,279	36,123		36,123	18,026		18,026	36,051	
1939	1,464,279	36,122		36,122	18,061		18,061	54,112	
1940	1,464,279	18,735	\$45,648	26,913	18,735	\$8,607	27,342	81,454	
1941	1,464,279	20,561		20,561	20,561		20,561	102,015	
1942	1,464,279	41,122		41,122	12,143		12,143	114,158	
1943	1,464,279	41,122		41,122	12,143		12,143	126,301	
1944	1,464,279	41,123		41,123	17,561		17,561	143,862	
1945	1,464,279	41,122		41,122	19,276		19,276	163,138	
1946	1,464,279	41,122		41,122	16,878		16,878	180,016	
Total Collected		353,274	45,648	307,626	171,409	8,607	180,016		
Uncollected				127,610					

¹ Decrease. Due to deferral of charges under relief acts.

This project is on a 40-year repayment basis. Operation and maintenance by the Bitter Root Irrigation District.

Contracts

1931, Aug. 24. Contract with Bitter Root Irrigation District. United States agreed to expend not to exceed \$750,000 for liquidation of district's bonded indebtedness and for rehabilitation of its irrigation system. Interest at the rate of 4% per annum to be paid on advances. Interest only to be paid for first 5 years. Payment of principal to begin in sixth year and to extend over 40 years.

1936, Mar. 17. Contract with Bitter Root Irrigation District. Delinquent interest as of July 1, 1935, \$43,247.81, funded with amount expended for liquidation of bonded indebtedness, \$497,641.05, the total to be paid in 35 amortized installments beginning July 1, 1936. Construction fund of \$250,000 to be paid in 35 equal annual installments, without interest, beginning in 1936. Contract also provided for expenditure of additional \$200,000 for rehabilitation, to be paid in 40 equal annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$1,464,279
	Due to June 30—1946	307,626
	1947	41,122
	1948	41,122
	1949	41,122
	1950	41,122
	1951	41,122
	1952	41,122
	1953	41,122
	1954	41,122
	1955	41,122
	1956	41,122
	1957	41,122
	1958	41,122
	1959	41,122
	1960	41,122
	1961	41,122
	1962	41,122
	1963	41,122
	1964	41,122
	1965	41,122
	1966	41,122
	1967	41,122
	1968	41,122
	1969	41,122
	1970	41,122
	1971	41,128
	1972	23,097
	1973	19,490
	1974	23,061
	1975	22,388
	1976	25,561

See footnote at end of table.

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	Due to June 30—1977	\$5,000
	1978	5,000
	1979	5,000

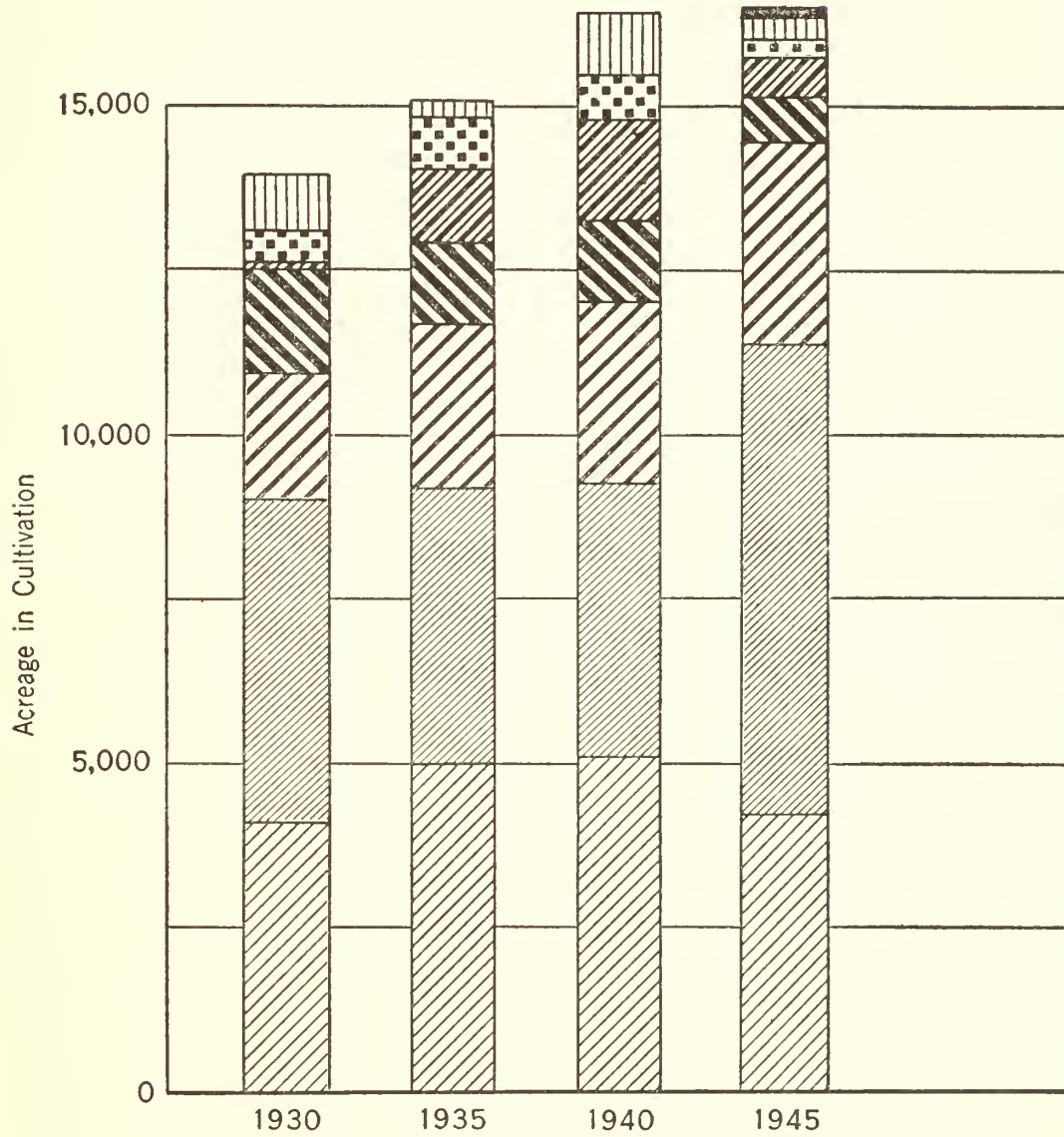
¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.





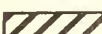

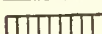

Contractor: Bitter Root Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1929	14,694	\$660,023	\$44.92
1930	15,309	487,250	31.83
1931	13,972	259,092	18.54
1932	15,023	206,486	13.74
1933	14,970	235,232	15.71
1934	15,313	375,486	24.52
1935	15,053	308,769	20.51
1936	15,623	360,152	23.05
1937	15,720	297,465	18.92
1938	15,841	316,922	20.01
1939	16,010	281,878	17.61
1940	16,426	260,859	15.88
1941	15,835	353,346	22.31
1942	16,431	400,742	24.39
1943	16,542	589,413	35.63
1944	16,516	570,123	34.52
1945	16,553	686,955	41.50

¹ Includes Government benefit payments.

BITTER ROOT PROJECT, MONTANA CROP HISTORY



- | | |
|--|---|
|  Alfalfa |  Fruits and Nuts |
|  Other Hay, Forage & Pasture |  Seed Crops |
|  Grains |  Sugar Beets |
|  Vegetables, Truck and Others |  Soil Improvement |

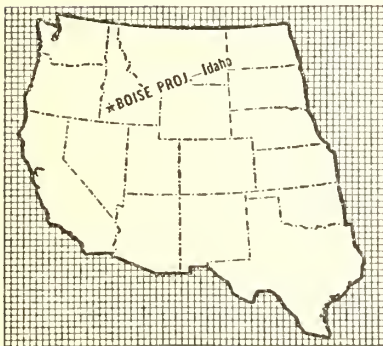
Water Service Commenced in 1930

Boise Project

Idaho . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Anderson Ranch Dam and Reservoir.—The United States is constructing the Anderson Ranch Dam and Reservoir for the benefit of irrigable lands in the Boise Federal Reclamation project and private

irrigation districts in the Boise Valley. Power will also be generated at the dam.

Contracts for repayment of reimbursable portions of the cost of the dam allocated to irrigation have been executed as follows:

<i>Date of Contract</i>	<i>Contractor</i>	<i>Total Obligation</i>
Aug. 1, 1941	Boise-Kuna Irrigation District	\$1, 404, 765
July 2, 1941	Nampa-Meridian Irrigation District	1, 163, 895
Aug. 1, 1941	Wilder Irrigation District	1, 567, 515

<i>Date of Contract</i>	<i>Contractor</i>	<i>Total Obligation</i>
Aug. 7, 1941	New York Irrigation District	\$513, 825
	Total	4, 650, 000
Nov. 10, 1943	Pioneer Irrigation District	313, 038
July 26, 1943	Settlers Irrigation District	65, 100
June 5, 1943	Farmers Union Ditch Co. Ltd . . .	79, 630
Oct. 5, 1944	New Dry Creek Ditch Co.	18, 020
June 25, 1945	Boise Valley Irrigation Ditch Co. . . .	13, 370
Feb. 26, 1945	South Boise Mutual Irrigation Co. Ltd.	6, 045

The latter six districts listed above desire to use 11.2 percent of storage water reserved and to assume repayment of 11.2 percent of the maximum costs. The maximum obligations under the 1941 contracts will be reduced correspondingly.

The total contracted obligation to June 30, 1946, of the water users was \$5,313,127. This included \$662,127 repayable for repairs, resurfacing and improvement of Arrowrock Reservoir. Repayments on the Arrowrock Dam repairs began in 1942 and on June 30, 1946, a total of \$165,532 had become due and had all been paid.

Construction of Anderson Ranch Dam is in progress and repayment has not commenced.

Determination of repayment obligation as of June 30, 1946:

Cost to June 30, 1946	\$16, 167, 584
Estimated to complete	10, 096, 416
	26, 264, 000
Allocated to irrigation	5, 312, 127
Allocated to flood control	10, 769, 450
Repayment by power revenues	10, 182, 423

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1942	\$5, 312, 127	\$33, 106		\$33, 106	\$33, 106		\$33, 106	The total obligation to repay includes \$662,127.46, representing the cost of repairs, resurfacing and improvement of Arrowrock Dam, which, under the act of Apr. 22, 1940 (54 Stat. 155), is repayable in 20 equal annual installments beginning in 1942. The cost of this work is included in the cost of Anderson Ranch Dam and Reservoir.	
1943	5, 312, 127	33, 107		33, 107	33, 107		66, 213		
1944	5, 312, 127	33, 106		33, 106	33, 106		99, 319		
1945	5, 312, 127	33, 106		33, 106	33, 106		132, 425		
1946	5, 312, 127	33, 107		33, 107	33, 107		165, 532		
Total		165, 532		165, 532	165, 532		165, 532		
Collected				165, 532					
Uncollected				0					

Contracts

1941, Aug. 1. Contract with Boise-Kuna Irrigation District. Estimated cost \$1,404,765, payable in 40 annual installments.
 1941, July 2. Contract with Nampa and Meridian Irrigation District. Estimated cost \$1,163,895, payable in 40 annual installments.

1941, Aug. 7. Contract with New York Irrigation District. Estimated cost \$513,825, payable in 40 annual installments.
 1941, Aug. 1. Contract with Wilder Irrigation District. Estimated cost \$1,567,515, payable in 40 annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors					
	Wilder Irrigation District	Boise-Kuna Irrigation District	Nampa and Meridian Irrigation District	New York Irrigation District	Other storage contractors ²	Total
Contract obligation (total \$5,312,127) ³	\$1, 769, 626	\$1, 577, 839	\$1, 307, 884	\$575, 765	\$81, 013	\$5, 312, 127
Due to June 30—1946	50, 528	43, 269	35, 997	15, 485	20, 253	165, 532
1947	10, 106	8, 654	7, 199	3, 097	4, 050	33, 106
1948	10, 106	8, 654	7, 199	3, 097	4, 050	33, 106
1949	10, 106	8, 654	7, 199	3, 097	4, 050	33, 106
1950	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1951	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1952	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1953	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1954	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1955	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1956	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1957	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1958	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1959	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1960	42, 220	37, 715	31, 257	13, 775	4, 050	129, 017
1961	42, 220	37, 715	31, 257	13, 775	4, 060	129, 027
1962	42, 220	37, 715	31, 257	13, 775		124, 967
1963	42, 220	37, 715	31, 257	13, 775		124, 967
1964	42, 220	37, 715	31, 257	13, 775		124, 967
1965	42, 220	37, 715	31, 257	13, 775		124, 967
1966	42, 220	37, 715	31, 257	13, 775		124, 967
1967	42, 220	37, 715	31, 257	13, 775		124, 967

See footnotes at end of table.

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors					Total
	Wilder Irrigation District	Boise-Kuna Irrigation District	Nampa and Meridian Irrigation District	New York Irrigation District	Other storage contractors ²	
Due to June 30—1968----	\$42, 220	\$37, 715	\$31, 257	\$13, 775	-----	\$124, 967
1969----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1970----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1971----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1972----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1973----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1974----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1975----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1976----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1977----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1978----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1979----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1980----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1981----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1982----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1983----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1984----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1985----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1986----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1987----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1988----	42, 220	37, 715	31, 257	13, 775	-----	124, 967
1989----	42, 200	37, 723	31, 267	13, 764	-----	124, 954

¹ Payments to date are for Arrowrock Dam repairs only. Repayment of Anderson Ranch Dam is estimated to begin in 1950. Contracts have also been executed with 6 small districts to assume part (11.2 percent) of the above obligation.
² Districts outside the Board of Control, covering payments for Arrowrock Dam repairs.
³ Includes \$662,127 for repairs to Arrowrock Dam.

Arrowrock
Division ¹

The Arrowrock Division includes a number of irrigation districts, obligated to repay a total of \$13,027,983 for construction of the project works. A total of \$6,261,774, or 48 percent, has become due; \$6,238,871 has been collected, and \$22,903 is unpaid. This unpaid balance represents instalments due from the Riverside Irrigation District since 1936 for work done by the United States for removal of slides in their canal. This district has not made payment, claiming that damage was caused by operations of the United States. The matter is one now before the Bureau for negotiation and settlement.

Operation and maintenance collections to June 30, 1946, amounted to \$2,244,810, and \$886,539 has been collected for water rentals. The division was on a water rental basis before issuance of public notice in 1917.

The division is operated by a board of control, and the reservoir system, or reserved works, is

operated by the United States with funds advanced by the water users.

Repairs to Arrowrock Dam, at a cost of \$662,-127, repayable under the act of April 22, 1940, are included in the schedules for Anderson Ranch Dam.

Determination of repayment obligation as of June 30, 1946:

Gross cost.....	\$12, 604, 514
Operation and maintenance funded.....	597, 887
Penalties funded.....	292, 160
	<hr/>
	13, 494, 561
Less construction revenues.....	731, 621
	<hr/>
	12, 762, 940
Less charge-off, act of May 26, 1926.....	82, 394
	<hr/>
Net.....	12, 680, 546
Future drainage.....	140, 000
Adjustment to be made.....	207, 437
	<hr/>
	13, 027, 983

¹ Exclusive of Anderson Ranch Dam.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1918	\$9,999,756	\$222,487		\$222,487	\$200,208		\$200,208	\$200,208	
1919	11,785,459	280,362		280,362	255,523		255,523	455,731	
1920	11,971,064	217,364		217,364	209,157	\$27,663	236,820	692,551	
1921	12,046,478	208,339		208,339	157,595	26,726	184,321	876,872	
1922	11,845,423	416,337	¹ \$37,310	379,027	241,239	¹ 6,273	234,966	1,111,838	
1923	12,167,269	419,291	1,331	420,622	193,443	86,691	280,134	1,391,972	
1924	12,197,519	660,615	261	660,876	128,388	100,489	228,877	1,620,849	
1925	12,186,212	683,793	¹ 19,244	664,549	119,972	107,529	226,501	1,847,350	
1926	12,187,193	689,009	¹ 260	688,749	100,790	19,832	120,622	1,967,972	
1927	12,186,988	209,445	¹ 1,772,340	¹ 1,562,895	205,973	675	206,648	2,174,620	
1928	² 13,002,561	367,935	¹ 512	367,423	368,847	326	369,173	2,543,793	
1929	13,002,450	379,532	¹ 297	379,235	374,849	989	375,838	2,919,631	
1930	13,004,613	365,916	¹ 447	365,469	367,583		367,583	3,287,214	
1931	13,004,613	343,225		343,225	342,250		342,250	3,629,464	
1932	13,004,613	198,908		198,908	189,448		189,448	3,818,912	
1933	13,004,613	34,446	¹ 34,598	¹ 152	26,913	¹ 12,511	14,402	3,833,314	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Charges deferred for calendar years 1931, \$329,116; 1932, \$301,784; 1933, \$277,790; 1934, \$275,817; 1935, \$271,547; 1936, \$132,991.
1934	13,050,739	7,318	¹ 24,521	¹ 17,203	7,318	¹ 24,245	¹ 16,927	3,816,387	
1935	13,052,295	6,951		6,951	6,951		6,951	3,823,338	
1936	13,027,961	5,554		5,554	5,554		5,554	3,828,892	
1937	13,027,983	15,221		15,221	14,015		14,015	3,842,907	
1938	13,027,983	272,462		272,462	269,570		269,570	4,112,477	
1939	13,027,983	271,697		271,697	269,286	481	269,767	4,382,244	
1940	13,027,983	266,079		266,079	263,662		263,662	4,645,906	
1941	13,027,983	256,682		256,682	253,923		253,923	4,899,829	
1942	13,027,983	251,813		251,813	249,751	5	249,756	5,149,585	
1943	13,027,983	264,561		264,561	262,143		262,143	5,411,728	An obligation of \$662,127.46 for repairs, resurfacing and improvement of Arrowrock dam, which under the act of April 22, 1940 (54 Stat. 155) is repayable in 20 equal annual installments beginning in 1942, is accounted for on the Anderson Ranch schedules.
1944	13,027,983	243,070		243,070	240,659		240,659	5,652,387	
1945	13,027,983	310,039		310,039	307,628	7	307,635	5,960,022	
1946	13,027,983	281,260		281,260	278,848	1	278,849	6,238,871	
Total Collected		8,149,711	¹ 1,887,937	6,261,774	5,911,486	327,385	6,238,871		
Uncollected				22,903					

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1918			1917, July 2. Public notice. Construction charge \$80 per acre payable in 20 graduated installments.
1919	\$208,828	\$171,669	1918, Apr. 1. Public notice. Rate and terms same as 1917 public notice.
1920	296,761	272,202	1919, Mar. 7. Public notice. Rate and terms same as 1917 public notice.
1921	409,710	328,279	1924, Jan. 2. Public notice. Construction charge \$77.44 per acre payable in 20 graduated installments.
1922	504,562	318,211	1915, June 15. Contract with Pioneer Irrigation District for storage in Arrowrock Reservoir and for drainage work.
1923	421,457	347,430	1917, Aug. 13. Contract with Farmers Union Ditch Co., Ltd., for Arrowrock Reservoir storage.
1924	393,335	279,179	1918, Feb. 9. Contract with Settlers Irrigation District for Arrowrock Reservoir storage.
1925	364,879	158,277	1917, Dec. 3. Contract with Farmers Cooperative Ditch Co. for Arrowrock Reservoir storage.
1926	262,298	122,012	1919, Feb. 18. Contract with Settlers Irrigation District for water right at \$70 per acre for 518.13 acres of project land.
1927	¹ 842,385	21,469	1915, June 1. Contract with Nampa-Meridian Irrigation District for construction of drains and for storage in Arrowrock Reservoir.
1928	¹ 6,146	¹ 5,888	1918, Feb. 15. Contract with Riverside Irrigation District and Big Bend Irrigation District for construction of drains and for storage in Arrowrock Reservoir.
1929	37,526	37,742	1926, Mar. 1. Contract with Riverside Irrigation District, Ltd., for removal of slides.
1930	26,768	27,011	1926, Mar. 25. Contract with Big Bend Irrigation District; Mar. 20, with Boise-Kuna Irrigation District; Mar. 2, with Nampa-Meridian Irrigation District; Sept. 27, with New York Irrigation District; and Apr. 6, with Wilder Irrigation District, under which districts assumed obligations of individual water users. Contracts provide also for additional drainage work and for funding of delinquent operation and maintenance charges and penalties, and penalties on delinquent construction charges. Payments of construction charges by districts to be made semi-annually on a crop production basis.
1931	9,519	850	
1932	12,886	15,843	
1933	6,770	12,147	
1934	8,052	8,386	
1935	8,346	8,346	
1936	17,300	17,300	
1937	9,104	9,104	
1938	7,487	7,487	
1939	12,386	12,386	
1940	10,221	10,221	
1941	9,698	9,697	
1942	10,354	10,355	
1943	10,655	10,655	
1944	12,011	12,011	
1945	12,183	12,183	
1946	10,245	10,246	
Total	2,244,810	2,244,810	

¹ Decrease. Decreases are due mainly through cancellation of water-right applications. Large decrease in 1927 due to cancellation of delinquent accounts and funding of penalties under 1926 contracts. Decreases in 1933 and 1934 due to deferral of charges under moratorium acts.
² Increase in obligation due to funding of delinquent operation and maintenance charges and penalties, and construction penalties.

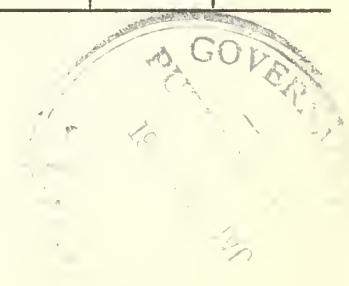
This division is on a crop production basis of repayment.
 Operation and maintenance of reserved works by United States, distribution systems operated by irrigation districts since 1927.

Repayment of Construction Investment

PAY-OUT SCHEDULE

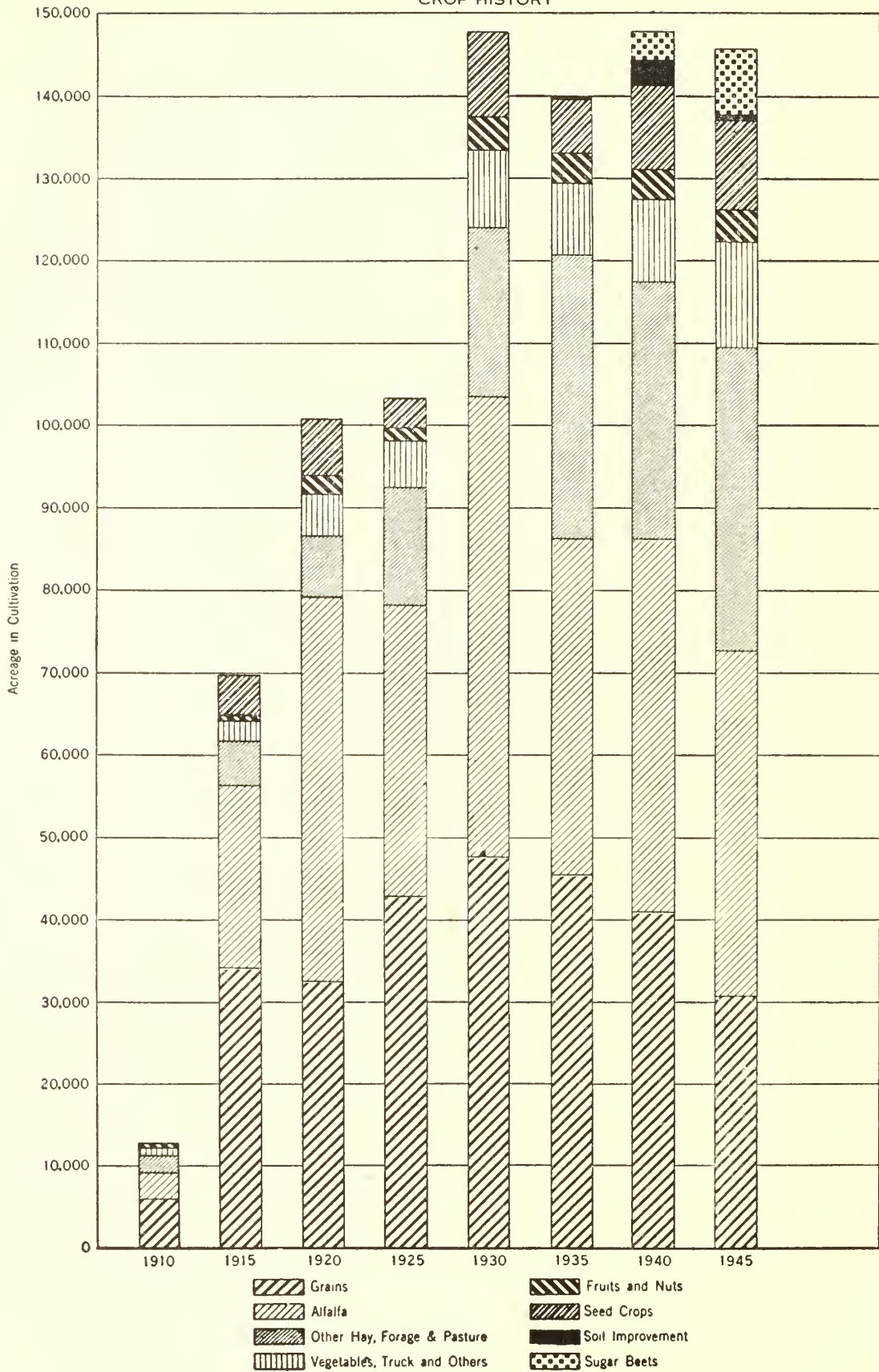
	Fiscal year	Amounts due from contractors						Total
		Big Bend Irrigation District	Boise-Kuna Irrigation District	Nampa and Meridian Irrigation District	New York Irrigation District	Wilder Irrigation District	All others ¹	
Contract obligation (total \$13,027,983):								
Paying lands-----		\$143, 459	\$3, 614, 751	\$3, 001, 081	\$450, 660	\$4, 346, 212	\$1, 313, 411	\$12,869,574
Suspended lands ² (temporarily unproductive)-----		7, 912	10, 587	25, 655	-----	114, 255	-----	158, 409
Total amount repayable-----		151, 371	3, 625, 338	3, 026, 736	450, 660	4, 460, 467	1, 313, 411	13, 027, 983
Due to June 30—	1946	44, 381	1, 397, 918	1, 355, 883	332, 845	1, 860, 175	1, 270, 572	6, 261, 774
	1947	2, 466	91, 871	85, 852	18, 120	163, 893	17, 882	380, 084
	1948	2, 610	101, 059	85, 852	18, 120	182, 421	10, 469	400, 531
	1949	2, 610	102, 334	85, 852	18, 120	188, 477	3, 062	400, 455
	1950	2, 610	98, 707	85, 852	18, 120	188, 477	3, 062	396, 828
	1951	2, 610	95, 738	85, 852	18, 120	188, 435	1, 854	392, 609
	1952	2, 610	95, 738	85, 852	18, 120	186, 182	645	389, 147
	1953	2, 610	95, 738	85, 852	9, 095	182, 258	645	376, 198
	1954	2, 610	95, 738	85, 852	-----	177, 870	645	362, 715
	1955	2, 610	95, 738	85, 852	-----	172, 538	645	357, 383
	1956	2, 610	95, 738	85, 852	-----	166, 550	645	351, 395
	1957	2, 610	95, 721	85, 852	-----	155, 879	645	340, 707
	1958	2, 610	94, 428	85, 852	-----	137, 298	645	320, 833
	1959	2, 610	92, 844	85, 852	-----	115, 561	665	297, 532
	1960	2, 610	91, 916	85, 852	-----	94, 977	665	276, 020
	1961	2, 610	90, 237	85, 852	-----	74, 148	665	253, 512
	1962	2, 610	88, 746	85, 852	-----	52, 376	-----	229, 584
	1963	2, 610	86, 946	85, 852	-----	31, 855	-----	207, 263
	1964	2, 610	83, 913	85, 852	-----	15, 627	-----	188, 002
	1965	2, 610	80, 127	85, 852	-----	6, 100	-----	174, 689
	1966	2, 610	75, 801	14, 010	-----	2, 549	-----	94, 970
	1967	2, 610	70, 415	-----	-----	1, 404	-----	74, 429
	1968	2, 610	62, 702	-----	-----	723	-----	66, 035
	1969	2, 610	54, 025	-----	-----	275	-----	56, 910
	1970	2, 610	46, 346	-----	-----	86	-----	49, 042
	1971	2, 410	38, 897	-----	-----	32	-----	41, 539
	1972	2, 610	31, 808	-----	-----	20	-----	34, 438
	1973	2, 610	25, 093	-----	-----	18	-----	27, 721
	1974	2, 610	17, 699	-----	-----	8	-----	20, 317
	1975	2, 610	10, 933	-----	-----	-----	-----	13, 543
	1976	2, 590	5, 827	-----	-----	-----	-----	8, 417
	1977	2, 530	2, 401	-----	-----	-----	-----	4, 931
	1978	2, 393	885	-----	-----	-----	-----	3, 278
	1979	2, 269	407	-----	-----	-----	-----	2, 676
	1980	2, 234	166	-----	-----	-----	-----	2, 400
	1981	2, 049	97	-----	-----	-----	-----	2, 146
	1982	1, 806	46	-----	-----	-----	-----	1, 852
	1983	1, 739	8	-----	-----	-----	-----	1, 747
	1984	1, 562	-----	-----	-----	-----	-----	1, 562
	1985	1, 210	-----	-----	-----	-----	-----	1, 210
	1986	892	-----	-----	-----	-----	-----	892
	1987	719	-----	-----	-----	-----	-----	719
	1988	609	-----	-----	-----	-----	-----	609
	1989	506	-----	-----	-----	-----	-----	506
	1990	366	-----	-----	-----	-----	-----	366
	1991	58	-----	-----	-----	-----	-----	58

¹ Includes contracts covering costs of cooperative drains and water rights for small acreages outside the irrigation districts.
² Lands considered temporarily unproductive on which charges are not currently assessed.



BOISE PROJECT, IDAHO
ARROWROCK DIVISION
CROP HISTORY

HOW RECLAMATION PAYS



Water Service Commenced in 1909

*Black Canyon Dam
and Pumping Plant*

The Emmett Irrigation District has agreed to repay a portion of the cost of Black Canyon Dam and Pumping Plant in order to receive a supplemental supply of water. The District operates the distribution system and Black Canyon Dam is operated by the Bureau. The contract obligation is \$809,608. Repayment began in 1928, and to June 30, 1946, a total of \$308,960, or 38 per cent, had become due and had been paid. Operation and maintenance collections for the storage works have amounted to \$64,077.

The District does not receive any credits from power revenues of the project.

Determination of repayment obligation as of June 30, 1946:

Cost	\$805, 680
Penalties funded	3, 928
Total	809, 608

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1910	12, 929	\$400, 000	\$30. 94
1911	26, 875	375, 238	13. 96
1912	35, 341	571, 770	16. 18
1913	50, 865	830, 314	16. 32
1914	58, 064	1, 033, 447	17. 80
1915	69, 818	1, 526, 873	21. 87
1916	72, 581	2, 327, 494	32. 07
1917	88, 732	4, 386, 545	49. 44
1918	90, 720	5, 154, 646	56. 82
1919	99, 093	6, 254, 904	63. 12
1920	100, 700	4, 653, 400	46. 21
1921	103, 340	4, 203, 940	40. 68
1922	105, 318	3, 933, 860	37. 35
1923	105, 466	4, 400, 300	41. 72
1924	118, 246	2, 826, 070	23. 90
1925	103, 883	3, 416, 817	32. 89
1926	131, 937	3, 391, 077	25. 70
1927	141, 540	4, 762, 949	33. 65
1928	143, 471	4, 706, 381	32. 80
1929	144, 369	5, 163, 196	35. 76
1930	147, 460	3, 873, 010	26. 26
1931	147, 525	2, 263, 333	15. 34
1932	142, 393	1, 544, 539	10. 85
1933	149, 946	2, 808, 641	18. 73
1934	138, 406	3, 105, 858	22. 44
1935	139, 806	3, 486, 792	24. 94
1936	140, 751	4, 336, 303	30. 81
1937	141, 418	4, 120, 555	29. 14
1938	143, 912	3, 465, 342	24. 08
1939	144, 132	3, 432, 941	23. 82
1940	147, 705	3, 562, 520	24. 12
1941	145, 497	4, 988, 566	34. 29
1942	143, 307	7, 885, 299	55. 02
1943	144, 028	11, 815, 719	82. 04
1944	145, 164	11, 588, 374	79. 83
1945	145, 372	12, 617, 229	86. 79

¹ Includes Government benefit payments.

Construction Repayments
EMMETT IRRIGATION DISTRICT

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1927	\$1, 200, 000								
1928	1, 200, 000	\$24, 000		\$24, 000	\$10, 726		\$10, 726	\$10, 726	
1929	1, 200, 000	24, 000		24, 000	15, 306	\$13, 274	28, 580	39, 306	
1930	1, 200, 000	24, 000		24, 000	24, 000	8, 694	32, 694	72, 000	
1931	1, 200, 000	24, 000		24, 000	24, 000		24, 000	96, 000	
1932	1, 200, 000	48, 000		48, 000	12, 760		12, 760	108, 760	
1933	¹ 809, 456	10, 010	² \$35, 240	² 25, 230	10, 010		10, 010	118, 770	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1932, \$10,161; 1933, \$20,020; 1934, \$20,020; 1935, \$20,020; 1936, \$10,010.
1934	809, 608			0			0	118, 770	
1935	810, 360	10, 010		10, 010	10, 010		10, 010	128, 780	
1936	809, 608		² 10, 010	² 10, 010			0	128, 780	
1937	809, 608	10, 010		10, 010			0	128, 780	
1938	809, 608	20, 020		20, 020	20, 020		20, 020	148, 800	
1939	809, 608	20, 020		20, 020	20, 020		20, 020	168, 820	
1940	809, 608	20, 020		20, 020	20, 020		20, 020	188, 840	
1941	809, 608	20, 020		20, 020	20, 020		20, 020	208, 860	
1942	809, 608	20, 020		20, 020	20, 020		20, 020	228, 880	
1943	809, 608	20, 020		20, 020	20, 020		20, 020	248, 900	
1944	809, 608	20, 020		20, 020	20, 020		20, 020	268, 920	
1945	809, 608	20, 020		20, 020	20, 020		20, 020	288, 940	
1946	809, 608	20, 020		20, 020	20, 020		20, 020	308, 960	
Total		354, 210	² 45, 250	308, 960	286, 992	21, 968	308, 960		
Collected				308, 960					
Uncollected				0					

¹ Obligation revised to actual cost of construction work.

² Decrease. Due to cancellation of delinquent charges under 1932 contract and in 1936 to deferral of charges under moratorium acts.

Construction Repayments—Continued
EMMETT IRRIGATION DISTRICT

Fiscal year	Operation and maintenance		
	Accruals	Collections	
1927			
1928	\$16,347	\$16,287	1921, Nov. 18. Contract with Emmett Irrigation District to repay one-half of construction cost of Black Canyon Dam and Pumping Plant in 20 graduated installments. 1932, June 30. Contract with Emmett Irrigation District extends time for repayment to 40 years. Equal semiannual installments beginning 1932.
1929	2,421	2,481	
1930	6,690	6,690	
1931	5,591	5,591	
1932	2,396	2,396	
1933	2,064	2,064	
1934	2,897	2,897	
1935	3,000	0	
1936	1,629	4,629	
1937	2,378	2,378	
1938	1,217	1,217	
1939	2,388	2,388	
1940	1,692	1,692	
1941	2,665	2,665	
1942	2,388	2,388	
1943	1,777	1,777	
1944	2,104	2,104	
1945	2,332	2,332	
1946	2,101	2,101	
Total	64,077	64,077	

This division is on a 40-year repayment basis.

Repayment of Construction Investment
PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$809,608
	Due to June 30—1946	308,960
	1947	20,020
	1948	20,020
	1949	20,020
	1950	20,020
	1951	20,020
	1952	20,020
	1953	20,020
	1954	20,020
	1955	20,020
	1956	20,020
	1957	20,020
	1958	20,020
	1959	20,020
	1960	20,020
	1961	20,020
	1962	20,020
	1963	20,020
	1964	20,020
	1965	20,020
	1966	20,020
	1967	20,018
	1968	20,170
	1969	20,020
	1970	20,020
	1971	20,020

Contractor: Emmett Irrigation District.

Notus Division

The Black Canyon Irrigation District has contracted to repay to the United States a total of \$541,646 on the construction cost of the Notus Division of the Boise project. The District commenced repayments in 1923 under its contracts and on June 30, 1946, a total of \$201,667, or 37 percent, had become due and had been paid.

The district does not receive any credits from power revenues of the project.

The district operates its own irrigation system and pays no operation and maintenance charges to the United States.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$541,557
Operation and maintenance funded	3,172
Penalties funded	2,718
Total	547,447
Adjustment to be made	15,801
	541,646

¹Decrease. Cancellation of delinquent charges and funding of penalties under contract of April 21, 1926.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1922	\$481, 168								
1923	481, 168	\$9, 623		\$9, 623	\$6, 685		\$6, 685	\$6, 685	
1924	481, 168	9, 623		9, 623	4, 963	\$613	5, 576	12, 261	
1925	481, 168	9, 623		9, 623			0	12, 261	
1926	481, 168	9, 623		9, 623			0	12, 261	
1927	481, 393	3, 952	¹ \$26, 233	¹ 22, 281	3, 952		3, 952	16, 213	
1928	493, 162	8, 421		8, 421	8, 421		8, 421	24, 634	
1929	493, 162	9, 279		9, 279	9, 279		9, 279	33, 913	
1930	493, 162	9, 968		9, 968	9, 968		9, 968	43, 881	
1931	493, 162	10, 482		10, 482	10, 482		10, 482	54, 363	
1932	532, 074	5, 327		5, 327	5, 327		5, 327	59, 690	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$11,096; 1932, \$10,543; 1933, \$11,569; 1934, \$11,569; 1935, \$11,913; 1936, \$5,584.
1933	532, 074	1, 965		1, 965	1, 965		1, 965	61, 655	
1934	533, 578			0			0	61, 655	
1935	542, 578	2, 044		2, 044	2, 044		2, 044	63, 699	
1936	541, 747			0			0	63, 699	
1937	541, 646	973		973			0	63, 699	
1938	541, 646	12, 186		12, 186	10, 990	973	11, 963	75, 662	
1939	541, 646	12, 530		12, 530	12, 530		12, 530	88, 192	
1940	541, 646	12, 529		12, 529	11, 556		11, 556	99, 748	
1941	541, 646	12, 187		12, 187	10, 993	2, 168	13, 161	112, 909	
1942	541, 646	12, 186		12, 186	10, 989	1, 195	12, 184	125, 093	
1943	541, 646	12, 873		12, 873	12, 873	1, 195	14, 068	139, 161	
1944	541, 646	14, 763		14, 763	14, 763		14, 763	153, 924	
1945	541, 646	25, 762		25, 762	25, 762		25, 762	179, 686	
1946	541, 646	21, 981		21, 981	21, 981		21, 981	201, 667	
Total		227, 900	¹ 26, 233	201, 667	195, 523	6, 144	201, 667		
Collected				201, 667					
Uncollected				0					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1922			1918, Jan. 2. Contract with Black Canyon Irrigation District for water-right for 6,873.83 acres at \$70 per acre, 20 graduated installments.
1923			
1924			1926, Apr. 21. Contract with Black Canyon Irrigation District. Contract changed method of repayment to crop production basis and funded delinquent charges and penalties.
1925			
1926	\$18, 723	\$14, 676	
1927	2, 248	4, 328	1929, Sept. 18. Contract with Black Canyon Irrigation District for drainage work.
1928	¹ 14, 305	¹ 12, 338	
Total	6, 666	6, 666	1934, Aug. 20. Contract with Black Canyon Irrigation District for drainage work.

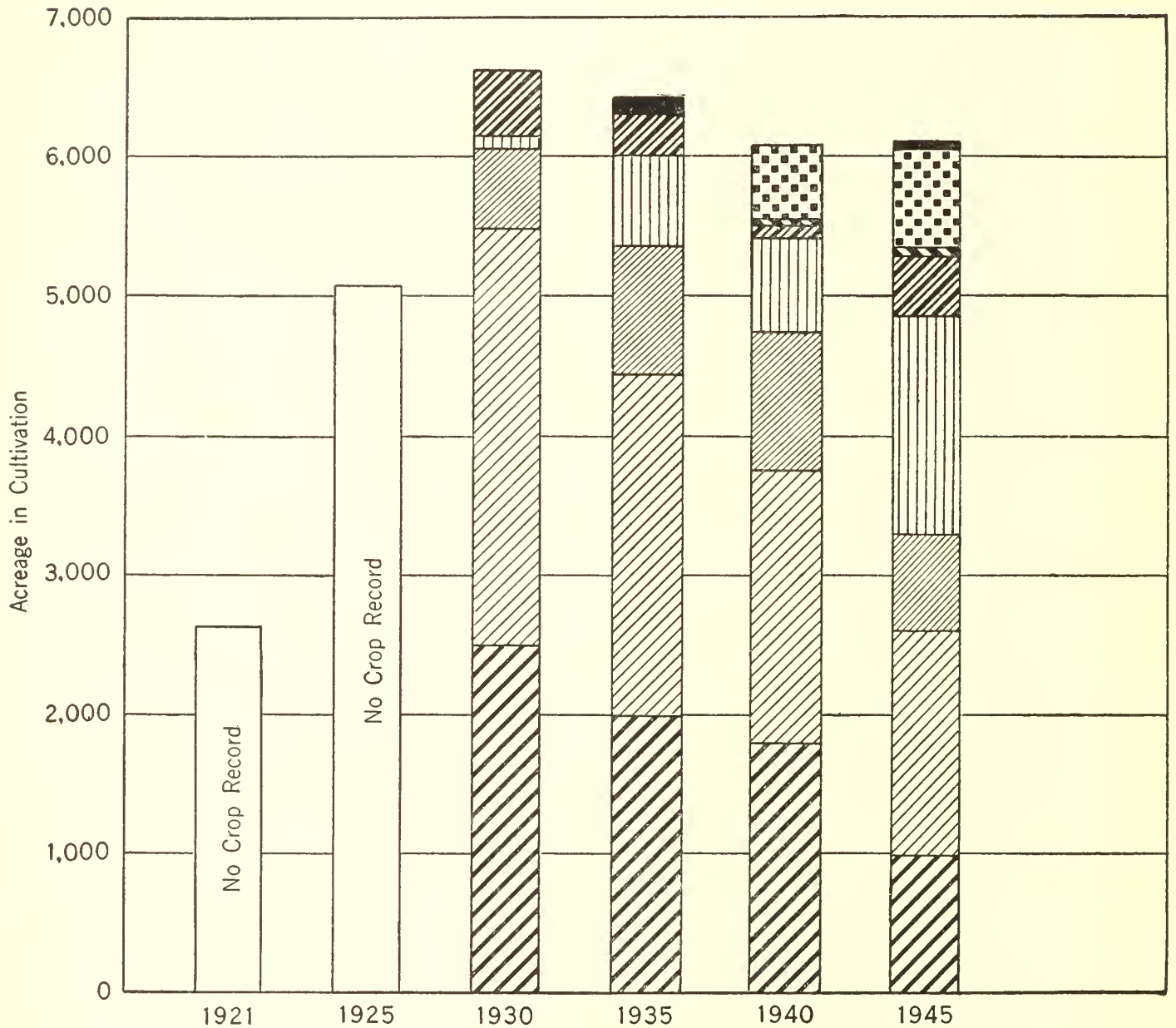
¹ Decrease. Cancellation of delinquent charges and funding of penalties under contract of Apr. 21, 1926.

This division is on a crop production basis of repayment. Accordingly, time of completion of repayment is indefinite. Operation and maintenance of reserved works by United States; distribution system operated by the Black Canyon Irrigation District.

BOISE PROJECT, IDAHO

NOTUS DIVISION

CROP HISTORY



- | | | | |
|--|------------------------------|--|------------------|
| | Grains | | Seed Crops |
| | Alfalfa | | Soil Improvement |
| | Other Hay, Forage & Pasture | | Fruits and Nuts |
| | Vegetables, Truck and Others | | Sugar Beets |

Water Service Commenced in 1921

Repayment of Construction Investment
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$541, 646
	Due to June 30—1946	201, 667
	1947	27, 137
	1948	27, 137
	1949	27, 137
	1950	27, 137
	1951	27, 137
	1952	27, 137
	1953	27, 137
	1954	27, 137
	1955	27, 137
	1956	27, 137
	1957	26, 159
	1958	24, 746
	1959	17, 704

¹ Average of 1939-44 crop returns used in estimating repayment 1947 through 1959
Contractor: Black Canyon Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1921	2, 643	\$31, 505	\$11. 92
1922	3, 182	58, 740	18. 46
1923	3, 484	74, 220	21. 30
1924	4, 363	124, 607	28. 56
1925	5, 092	181, 025	35. 55
1926	5, 879	189, 735	32. 27
1927	5, 575	182, 401	32. 72
1928	5, 791	231, 659	40. 00
1929	5, 808	226, 131	38. 93
1930	6, 599	184, 809	28. 01
1931	6, 377	112, 091	17. 58
1932	6, 276	69, 643	11. 10
1933	6, 355	158, 725	24. 98
1934	6, 176	199, 322	32. 27
1935	6, 437	172, 439	26. 79
1936	6, 379	277, 401	43. 49
1937	6, 385	247, 265	38. 73
1938	6, 425	196, 952	30. 65
1939	6, 405	204, 872	31. 99
1940	6, 075	212, 421	34. 97
1941	6, 077	267, 781	44. 06
1942	6, 096	569, 717	93. 46
1943	6, 107	652, 650	106. 87
1944	6, 216	756, 359	121. 68
1945	6, 116	791, 864	129. 47

¹ Includes Government benefit payments.

Payette Division

A contract has been entered into with the Black Canyon Irrigation District to pay the construction cost of the Payette Division, not to exceed \$7,000,000. Repayment will be made in 39 annual instalments. Drainage District No. 4 of Canyon County, Idaho, has contracted to repay a total of \$22,500 (\$1,000 on execution of the contract and the balance in 20 instalments after

completion of the work) for construction of drains for cooperative use.

Construction has been completed for the gravity portion of the Payette Division, totaling 27,760 irrigable acres, and this land has recently been settled and is now in production. Construction of the pumping portion of the division, totaling 25,000 acres, is in progress.

The United States is operating the Payette Division. Water rental collections have amounted to \$308,486.

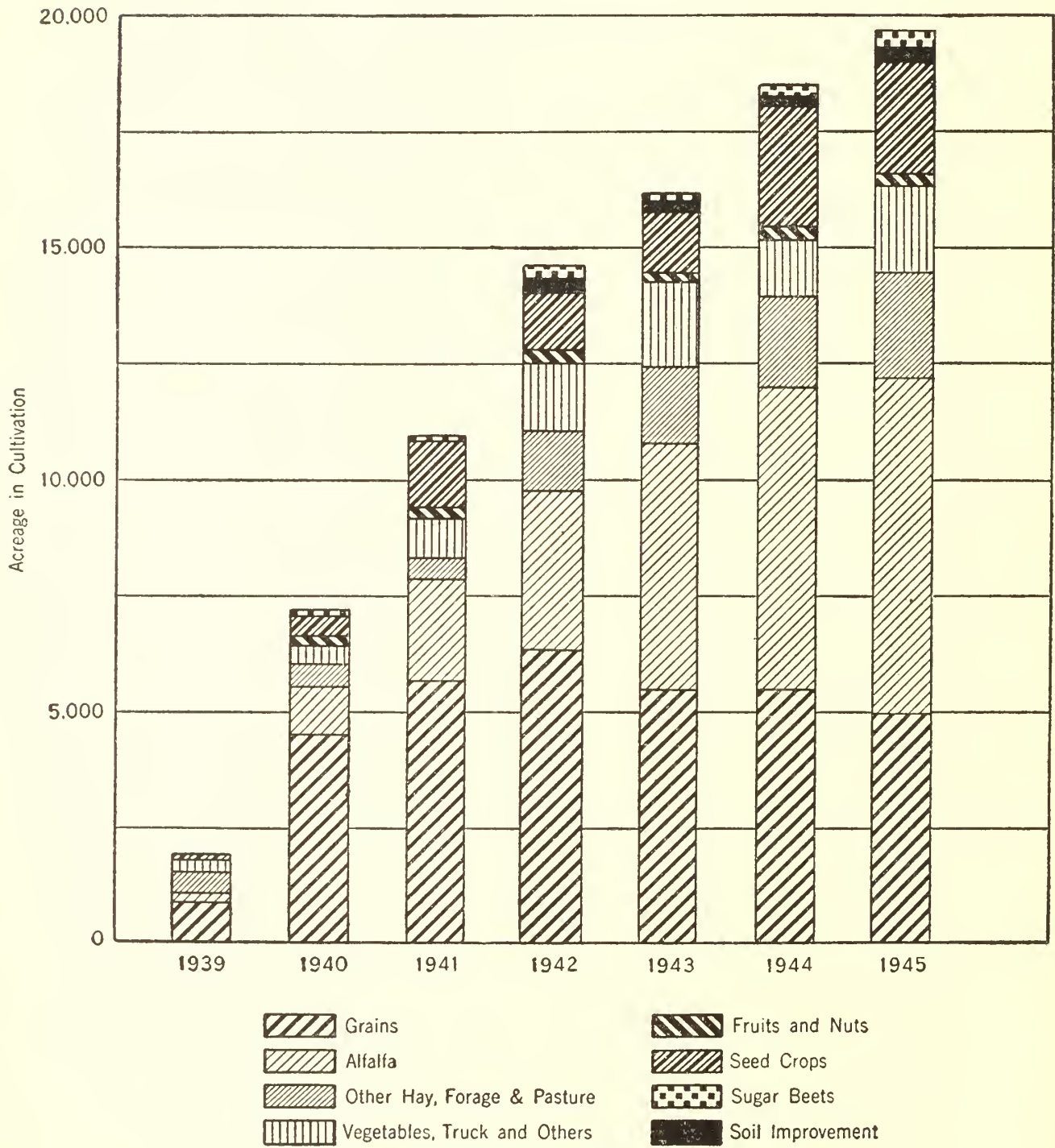
Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors	
		Black Canyon Irrigation District	Drainage District No. 4
Contract obligation (total \$7, 022, 500)		\$7, 000, 000	\$22, 500
	1948	94, 384	2, 075
	1949	94, 384	1, 075
	1950	94, 384	1, 075
	1951	94, 384	1, 075
	1952	94, 384	1, 075
	1953	179, 384	1, 075
	1954	179, 384	1, 075
	1955	179, 384	1, 075
	1956	179, 384	1, 075
	1957	179, 384	1, 075
	1958	179, 384	1, 075
	1959	179, 384	1, 075
	1960	179, 384	1, 075
	1961	179, 384	1, 075
	1962	179, 384	1, 075
	1963	179, 384	1, 075
	1964	179, 384	1, 075
	1965	179, 384	1, 075
	1966	179, 384	1, 075
	1967	179, 384	1, 075
	1968	179, 384	-----
	1969	179, 384	-----
	1970	179, 384	-----
	1971	179, 384	-----
	1972	179, 384	-----
	1973	179, 384	-----
	1974	179, 384	-----
	1975	179, 384	-----
	1976	179, 384	-----
	1977	179, 384	-----
	1978	179, 384	-----
	1979	179, 384	-----
	1980	179, 384	-----
	1981	179, 384	-----
	1982	179, 384	-----
	1983	179, 384	-----
	1984	179, 384	-----
	1985	179, 384	-----
	1986	181, 604	-----
	1987	85, 000	-----
	1988	85, 000	-----
	1989	85, 000	-----
	1990	85, 000	-----
	1991	86, 804	-----

¹ Scheduled on an assumed date for commencement of repayment.

BOISE PROJECT, IDAHO PAYETTE DIVISION CROP HISTORY



Water Service Commenced in 1939

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1939	1,965	\$19,292	\$9.82
1940	7,222	88,225	12.22
1941	10,943	269,194	24.60
1942	14,641	447,796	30.59
1943	16,141	754,263	46.73
1944	18,526	945,378	51.03
1945	19,684	1,020,867	51.86

¹ Includes Government benefit payments.

Power and Irrigation Summary—Status of Repayment Account

ALL DIVISIONS

Fiscal year	Repayable			Pay-out schedule			Balance repayable
	Total	Irrigation contracts	Cost allocated to power	Total	Irrigation	Power	
1918	\$9,999,756	\$9,999,756		\$200,208	\$200,208		\$9,799,548
1919	11,785,459	11,785,459		255,523	255,523		11,329,728
1920	11,971,064	11,971,064		236,820	236,820		11,278,513
1921	12,046,478	12,046,478		184,321	184,321		11,169,606
1922	12,326,591	12,326,591		234,966	234,966		11,214,753
1923	12,648,437	12,648,437		286,819	286,819		11,249,780
1924	12,678,687	12,678,687		234,453	234,453		11,045,577
1925	12,667,380	12,667,380		226,501	226,501		10,807,769
1926	13,959,363	12,668,361	\$1,291,002	267,976	120,622	\$147,354	11,831,776
1927	15,202,775	13,868,381	1,334,394	242,321	210,600	31,721	12,832,867
1928	16,030,117	14,695,723	1,334,394	472,620	388,320	84,300	13,187,589
1929	16,056,271	14,695,612	1,360,659	430,637	413,697	16,940	12,783,106
1930	16,511,894	14,697,775	1,814,119	459,765	410,245	49,520	12,778,964
1931	17,399,354	14,697,775	2,701,579	460,862	376,732	84,130	13,205,562
1932	17,438,266	14,736,687	2,701,579	294,184	207,535	86,649	12,950,290
1933	17,047,722	14,346,143	2,701,579	59,041	26,377	32,664	12,500,705
1934	17,095,554	14,393,975	2,701,579	21,979	¹ 16,927	38,906	12,526,558
1935	17,106,812	14,405,233	2,701,579	73,878	19,005	54,873	12,463,938
1936	17,080,895	14,379,316	2,701,579	43,104	5,554	37,550	12,394,917
1937	17,080,816	14,379,237	2,701,579	147,843	14,015	133,828	12,246,995
1938	17,080,816	14,379,237	2,701,579	378,565	301,553	77,012	11,868,430
1939	17,080,816	14,379,237	2,701,579	377,185	302,317	74,868	11,491,245
1940	17,080,816	14,379,237	2,701,579	369,343	295,238	74,105	11,121,902
1941	17,080,816	14,379,237	2,701,579	365,481	287,104	78,377	10,756,421
1942	26,104,065	19,691,364	6,412,701	388,036	315,066	72,970	19,391,634
1943	27,765,571	19,691,364	8,074,207	395,469	329,338	66,131	20,657,671
1944	29,454,675	19,691,364	9,763,311	393,550	308,548	85,002	21,953,225
1945	32,524,728	19,691,364	12,833,364	437,435	386,523	50,912	24,585,843
1946	32,904,250	19,691,364	13,212,886	406,837	353,957	52,880	24,558,528
1947	39,926,750	26,713,864	13,212,886	528,490	483,250	45,240	31,052,538
1948	39,926,750	26,713,864	13,212,886	622,493	577,253	45,240	30,430,045
1949	39,926,750	26,713,864	13,212,886	621,417	576,177	45,240	29,808,628
1950	39,926,750	26,713,864	13,212,886	898,803	668,461	230,342	28,909,825
1951	39,926,750	26,713,864	13,212,886	894,584	664,242	230,342	28,015,241
1952	39,926,750	26,713,864	13,212,886	891,122	660,780	230,342	27,124,119
1953	39,926,750	26,713,864	13,212,886	963,173	732,831	230,342	26,160,946
1954	39,926,750	26,713,864	13,212,886	949,690	719,348	230,342	25,211,256
1955	39,926,750	26,713,864	13,212,886	944,358	714,016	230,342	24,266,898
1956	39,926,750	26,713,864	13,212,886	938,370	708,028	230,342	23,328,528
1957	39,926,750	26,713,864	13,212,886	926,704	696,362	230,342	22,401,824
1958	39,926,750	26,713,864	13,212,886	905,417	675,075	230,342	21,496,407
1959	39,926,750	26,713,864	13,212,886	875,074	644,732	230,342	20,621,333
1960	39,926,750	26,713,864	13,212,886	835,858	605,516	230,342	19,785,475
1961	39,926,750	26,713,864	13,212,886	813,360	583,018	230,342	18,972,115
1962	39,926,750	26,713,864	13,212,886	785,372	555,030	230,342	18,186,743
1963	39,926,750	26,713,864	13,212,886	763,051	532,709	230,342	17,423,692
1964	39,926,750	26,713,864	13,212,886	743,790	513,448	230,342	16,679,900
1965	39,926,750	26,713,864	13,212,886	730,477	500,135	230,342	15,949,425
1966	39,926,750	26,713,864	13,212,886	650,758	420,416	230,342	15,298,667
1967	39,926,750	26,713,864	13,212,886	630,215	399,873	230,342	14,668,452
1968	39,926,750	26,713,864	13,212,886	620,898	390,556	230,342	14,047,554
1969	39,926,750	26,713,864	13,212,886	611,623	381,281	230,342	13,435,931
1970	39,926,750	26,713,864	13,212,886	603,755	373,413	230,342	12,832,176
1971	39,926,750	26,713,864	13,212,886	596,252	365,910	230,342	12,235,924
1972	39,926,750	26,713,864	13,212,886	569,131	338,789	230,342	11,666,793

¹ Loss.

Power and Irrigation Summary—Status of Repayment Account—Continued

ALL DIVISIONS

Fiscal year	Repayable			Pay-out schedule			Balance repay- able
	Total	Irrigation contracts	Cost allocated to power	Total	Irrigation	Power	
1973	\$39,926,750	\$26,713,864	\$13,212,886	\$562,414	\$332,072	\$230,342	\$11,104,379
1974	39,926,750	26,713,864	13,212,886	555,010	324,668	230,342	10,549,369
1975	39,926,750	26,713,864	13,212,886	548,236	317,894	230,342	10,001,133
1976	39,926,750	26,713,864	13,212,886	543,110	312,768	230,342	9,458,023
1977	39,926,750	26,713,864	13,212,886	539,624	309,282	230,342	8,918,399
1978	39,926,750	26,713,864	13,212,886	537,971	307,629	230,342	8,380,428
1979	39,926,750	26,713,864	13,212,886	537,369	307,027	230,342	7,843,059
1980	39,926,750	26,713,864	13,212,886	537,093	306,751	230,342	7,305,966
1981	39,926,750	26,713,864	13,212,886	536,839	306,497	230,342	6,769,127
1982	39,926,750	26,713,864	13,212,886	536,545	306,203	230,342	6,232,582
1983	39,926,750	26,713,864	13,212,886	536,440	306,098	230,342	5,696,142
1984	39,926,750	26,713,864	13,212,886	536,255	305,913	230,342	5,159,887
1985	39,926,750	26,713,864	13,212,886	535,903	305,561	230,342	4,623,984
1986	39,926,750	26,713,864	13,212,886	537,805	307,463	230,342	4,086,179
1987	39,926,750	26,713,864	13,212,886	441,028	210,686	230,342	3,645,151
1988	39,926,750	26,713,864	13,212,886	440,918	210,576	230,342	3,204,233
1989	39,926,750	26,713,864	13,212,886	440,802	210,460	230,342	2,763,431
1990	39,926,750	26,713,864	13,212,886	315,708	85,366	230,342	2,447,723
1991	39,926,750	26,713,864	13,212,886	317,204	86,862	300,342	2,130,519
1992	39,926,750	26,713,864	13,212,886	230,342	-----	230,342	1,900,177
1993	39,926,750	26,713,864	13,212,886	230,342	-----	230,342	1,669,835
1994	39,926,750	26,713,864	13,212,886	230,342	-----	230,342	1,439,493
1995	39,926,750	26,713,864	13,212,886	230,342	-----	230,342	1,209,151
1996	39,926,750	26,713,864	13,212,886	230,342	-----	230,342	978,809
1997	39,926,750	26,713,864	13,212,886	230,342	-----	230,342	748,467
1998	39,926,750	26,713,864	13,212,886	230,342	-----	230,342	518,125
1999	39,926,750	26,713,864	13,212,886	230,342	-----	230,342	287,783
2000	39,926,750	26,713,864	13,212,886	129,374	-----	129,374	158,409
Charges against class 5 lands, temporarily suspended.	-----	-----	-----	-----	-----	-----	158,409
Total	-----	-----	-----	39,768,341	26,555,455	13,212,886	-----

Determination of Energy Rates Effective June 1, 1946

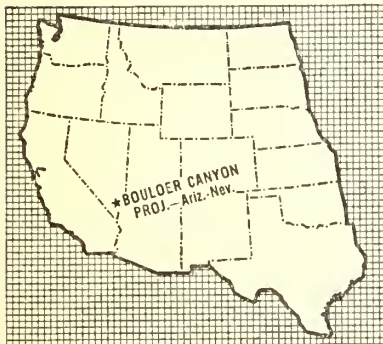
1	2		4	5	6	8				11	12	13	14	15	16	17	18	19	20	21	22	23
	Millions of kilowatt-hours					Revenue in dollars																
Year of operation, June 1 to May 31	Firm energy obligation	Estimated use of energy at secondary energy rate	Estimated sale of water in acre-foot	Firm energy rate in mills per kilowatt-hour	Secondary energy rate in mills per kilowatt-hour	From firm energy obligations	From estimated use of energy at secondary energy rate	From sale of water at \$0.25 per acre-foot	Total	Overpayments (+) credits (-)	Total available for financial operations	Net operation and maintenance cost	Payment into replacement reserve	Payments to States of Arizona and Nevada	Payment to Colorado River Development Fund	Balance of revenue available for repayment of advances	Repayable advances at beginning of year exclusive of \$25,000,000 for flood control	Annual installment required on basis of amortization in 50 years at 3% (0.035655)	Deficit (-) or surplus (+) revenues	Cumulative deficit (-) or surplus (+) carried forward from previous year	Interest on accrued deficit (-) or surplus (+) at 3%	Cumulative deficit (-) or surplus (+) at end of year
1937-38	974	427		1.163	.340	\$1,132,658	145,155		1,277,813	+ \$523,124	1,800,937	\$202,584	\$83,235			\$1,762,841	\$77,605,053	\$3,016,159	-\$1,253,318	-\$1,253,318	-\$37,600	-\$1,253,318
1938-39	2,032	285	56,771	1.163	.340	2,362,991	97,024	\$14,193	2,474,208	+ 104,512	3,468,720	278,784	83,235			3,106,701	79,207,914	3,078,455	+28,246	-37,880	-1,262,672	
1939-40	2,568	265	184,108	1.163	.340	2,987,125	89,984	16,027	3,123,136	+ 1,248,822	4,371,958	401,829	83,235			3,886,894	80,705,778	3,139,002	+747,892	-37,880	-552,669	
1940-41	3,605	354	94,047	1.163	.340	4,192,664	120,264	23,512	4,336,440	+ 1,879,412	6,215,852	497,885	83,235			5,634,732	81,354,779	3,161,894	+2,172,838	-552,669	+1,903,598	
Subtotal	9,179	1,826	334,926			10,075,438	700,150	83,732	11,459,320	+ 4,645,870	16,105,190	1,381,082	332,940			14,391,168		12,395,510	+1,995,658	-92,000	+1,903,598	
1941-42	3,977	841	110,000	1.163	.340	4,625,251	285,910	27,500	4,938,661	- 943,588	4,938,661	654,412	83,235			2,001,044	\$2,310,040	3,199,021	+1,903,598	+57,108	+762,720	
1942-43	4,137	841	147,700	1.172	.346	4,848,564	290,986	36,925	5,176,475	- 564,888	4,232,887	928,106	83,625	2,400,000	2,000,000	-1,178,844	83,733,291	3,254,336	+762,729	+22,882	-3,647,569	
1943-44	4,277	841	186,100	1.190	.357	5,089,630	300,237	46,525	5,436,392	- 803,908	4,871,504	947,902	83,625	600,000	500,000	2,739,977	86,007,820	3,342,737	-3,647,569	-109,427	-4,359,756	
1944-45	4,269	841	223,700	1.254	.308	5,353,326	334,718	55,925	5,743,969	- 466,696	4,940,061	783,307	83,625	600,000	500,000	2,973,129	86,162,032	3,348,730	-375,601	-130,793	-4,866,150	
1945-46	4,260	841	258,500	1.244	.392	5,299,440	329,672	64,625	5,693,737	- 466,696	5,227,039	578,867	83,625	600,000	500,000	3,464,547	86,741,881	3,371,267	+93,280	-145,985	-4,918,855	
1946-47	4,251	841	287,400	1.220	.370	5,186,220	316,216	71,850	5,574,286	- 466,697	5,107,589	600,000	83,625	600,000	500,000	3,323,364	88,025,657	3,421,161	-97,797	-147,566	-5,164,218	
1947-48	4,242	841	316,300	1.220	.376	5,175,240	316,216	79,160	5,570,556	- 466,697	5,103,559	600,000	83,625	600,000	500,000	3,319,634	88,025,657	3,421,161	-101,527	-154,927	-5,420,672	
1948-49	4,234	841	345,300	1.220	.376	5,165,480	316,216	86,325	5,568,021	- 466,697	5,101,324	600,000	83,625	600,000	500,000	3,317,099	88,025,657	3,421,161	-104,062	-162,620	-5,687,354	
1949-50	4,225	841	374,300	1.220	.376	5,154,500	316,216	93,575	5,564,291	- 466,697	5,097,594	600,000	83,625	600,000	500,000	3,313,369	88,025,657	3,421,161	-107,792	-170,621	-5,965,767	
1950-51	4,216	841	400,400	1.220	.376	5,143,520	316,216	100,100	5,559,836	0	5,559,836	600,000	83,625	600,000	500,000	3,311,611	88,025,657	3,421,161	+354,450	-178,973	-5,790,290	
1951-52	4,207	841	422,800	1.220	.376	5,132,540	316,216	105,700	5,554,456	0	5,554,456	600,000	83,625	600,000	500,000	3,310,231	88,025,657	3,421,161	+349,070	-173,709	-5,614,929	
1952-53	4,199	841	445,300	1.220	.376	5,122,780	316,216	111,325	5,550,321	0	5,550,321	600,000	83,625	600,000	500,000	3,308,851	88,025,657	3,421,161	+344,935	-168,448	-5,438,442	
1953-54	4,190	841	467,700	1.220	.376	5,111,800	316,216	116,925	5,544,941	0	5,544,941	600,000	83,625	600,000	500,000	3,307,471	88,025,657	3,421,161	+339,555	-163,153	-5,262,040	
1954-55	4,181	841	490,100	1.220	.376	5,100,820	316,216	122,525	5,539,561	0	5,539,561	600,000	83,625	600,000	500,000	3,306,091	88,025,657	3,421,161	+334,175	-157,861	-5,085,726	
1955-56	4,172	841	512,600	1.220	.376	5,089,840	316,216	128,150	5,534,206	0	5,534,206	600,000	83,625	600,000	500,000	3,304,711	88,025,657	3,421,161	+328,795	-152,472	-4,909,478	
1956-57	4,164	841	535,000	1.220	.376	5,078,860	316,216	133,750	5,528,856	0	5,528,856	600,000	83,625	600,000	500,000	3,303,331	88,025,657	3,421,161	+323,415	-147,083	-4,732,102	
1957-58	4,155	841	557,500	1.220	.376	5,067,880	316,216	139,350	5,523,496	0	5,523,496	600,000	83,625	600,000	500,000	3,301,951	88,025,657	3,421,161	+318,035	-141,693	-4,554,760	
1958-59	4,146	841	579,900	1.220	.376	5,056,900	316,216	144,950	5,518,111	0	5,518,111	600,000	83,625	600,000	500,000	3,300,571	88,025,657	3,421,161	+312,655	-136,303	-4,377,478	
1959-60	4,137	841	602,400	1.220	.376	5,045,920	316,216	150,550	5,512,726	0	5,512,726	600,000	83,625	600,000	500,000	3,299,191	88,025,657	3,421,161	+307,275	-130,913	-4,202,232	
1960-61	4,129	841	622,600	1.220	.376	5,034,940	316,216	156,150	5,507,341	0	5,507,341	600,000	83,625	600,000	500,000	3,297,811	88,025,657	3,421,161	+301,895	-125,523	-4,027,379	
1961-62	4,120	841	640,700	1.220	.376	5,023,960	316,216	161,750	5,501,956	0	5,501,956	600,000	83,625	600,000	500,000	3,296,431	88,025,657	3,421,161	+296,515	-120,133	-3,852,645	
1962-63	4,111	841	658,800	1.220	.376	5,012,980	316,216	167,350	5,496,571	0	5,496,571	600,000	83,625	600,000	500,000	3,295,051	88,025,657	3,421,161	+291,135	-114,743	-3,677,911	
1963-64	4,102	841	676,900	1.220	.376	5,001,999	316,216	172,950	5,491,186	0	5,491,186	600,000	83,625	600,000	500,000	3,293,671	88,025,657	3,421,161	+285,755	-109,353	-3,503,177	
1964-65	4,093	841	695,000	1.220	.376	4,990,218	316,216	178,550	5,485,801	0	5,485,801	600,000	83,625	600,000	500,000	3,292,291	88,025,657	3,421,161	+280,375	-103,963	-3,328,443	
1965-66	4,085	841	713,100	1.220	.376	4,978,437	316,216	184,150	5,480,416	0	5,480,416	600,000	83,625	600,000	500,000	3,290,911	88,025,657	3,421,161	+274,995	-98,573	-3,153,709	
1966-67	4,077	841	731,200	1.220	.376	4,966,656	316,216	189,750	5,475,031	0	5,475,031	600,000	83,625	600,000	500,000	3,289,531	88,025,657	3,421,161	+269,615	-93,183	-2,978,975	
1967-68	4,068	841	749,300	1.220	.376	4,954,875	316,216	195,350	5,469,646	0	5,469,646	600,000	83,625	600,000	500,000	3,288,151	88,025,657	3,421,161	+264,235	-87,793	-2,804,241	
1968-69	4,059	841	767,400	1.220	.376	4,943,094	316,216	200,950	5,464,261	0	5,464,261	600,000	83,625	600,000	500,000	3,286,771	88,025,657	3,421,161	+258,855	-82,403	-2,629,507	
1969-70	4,050	841	785,500	1.220	.376	4,931,313	316,216	206,550	5,458,876	0	5,458,876	600,000	83,625	600,000	500,000	3,285,391	88,025,657	3,421,161	+253,475	-77,013	-2,454,773	
1970-71	4,041	841	802,200	1.220	.376	4,919,532	316,216	212,150	5,453,491	0	5,453,491	600,000	83,625	600,000	500,000	3,284,011	88,025,657	3,421,161	+248,095	-71,623	-2,280,039	
1971-72	4,032	841	816,700	1.220	.376	4,907,751	316,216	217,750	5,448,106	0	5,448,106	600,000	83,625	600,000	500,000	3,282,631	88,025,657	3,421,161	+242,715	-66,233	-2,105,305	
1972-73	4,023	841	831,200	1.220	.376	4,895,970	316,216	223,350	5,442,721	0	5,442,721	600,000	83,625	600,000	500,000	3,281,251	88,025,657	3,421,161	+237,335	-60,843	-1,930,571	
1973-74	4,015	841	845,600	1.220	.376	4,884,189	316,216	228,950	5,437,336	0	5,437,336	600,000	83,625	600,000	500,000	3,279,871	88,025,657	3,421,161	+231,955	-55,453	-1,755,837	
1974-75	4,006	841	860,100	1.220	.376	4,872,408	316,216	234,550	5,431,951	0	5,431,951	600,000	83,625	600,000	500,000	3,278,491	88,025,657	3,421,161	+226,575	-50,063	-1,581,103	
1975-76	3,997	841	875,300	1.220	.376	4,860,627	316,216	240,150	5,426,566	0	5,426,566	600,000	83,625	600,000	500,000	3,2						

Boulder Canyon Project

Arizona-Nevada . . .

. . . Region III

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Boulder Dam and Power Plant.—The Boulder Canyon project was authorized by the act of December 21, 1928 (45 Stat. 1057), subject to the terms of the Colorado River Compact.

The project is for (1) controlling floods, (2) improving navigation and regulation of the Colorado River, (3) providing for storage and for delivery of stored water for reclamation of public lands and other beneficial uses within the United States, and (4) generating electrical energy. The Boulder Canyon Project Adjustment Act (54 Stat. 774) dated July 19, 1940, provided for certain changes in the original plans.

The construction cost to June 30, 1946, was \$136,682,447, and the estimated total cost of the principal features of the project is \$152,000,000. Expenditures are made from the Colorado River Dam fund created by advances from the General Treasury on appropriation by Congress. The major plant has been constructed and placed in operation and is now serving the southwestern

area of the United States with large quantities of power. Through the sale of power and other incidental revenues the project has paid into the United States Treasury for reimbursement of advances and interest on advances to the Colorado River Dam Fund as of June 30, 1946, a total of \$41,956,302.41. In addition, \$4,800,000 has been paid to the States of Arizona and Nevada and \$4,000,000 to the Colorado River Development Fund for investigations of potential projects in the Colorado River Basin.

With the exception of \$25,000,000 allocated to flood control, the costs of construction, operation, maintenance and replacements will be repaid to the United States with interest at 3 percent per annum by revenues from power and the sale of water. These returns are guaranteed by formal contracts with the power allottees, on the basis of repayment of construction costs within a 50-year period.

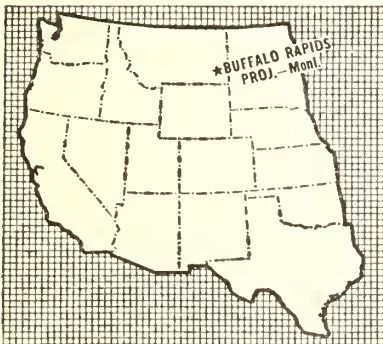
The dam and power plant building and their appurtenances are owned, operated, and maintained by the United States. The generating, transforming, and switching facilities are owned by the United States but are operated and maintained by the city of Los Angeles and the Southern California Edison Co. All transmission of energy is over facilities provided and operated by the power contractors at their own expense.

Buffalo Rapids Project

Montana . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The First and Second Divisions of the project have been constructed by the Bureau of Reclamation under authority of the Water Conservation and Utilization Act.

The First Division and two units of the Second Division are completed and a third unit is nearing completion.

Original plans were that the project was to be operated by the Department of Agriculture on completion and contracts for the repayment of reimbursable costs were to be negotiated by that Department. The Department of Agriculture has been operating the First Division for several years but it has now been decided that operation will

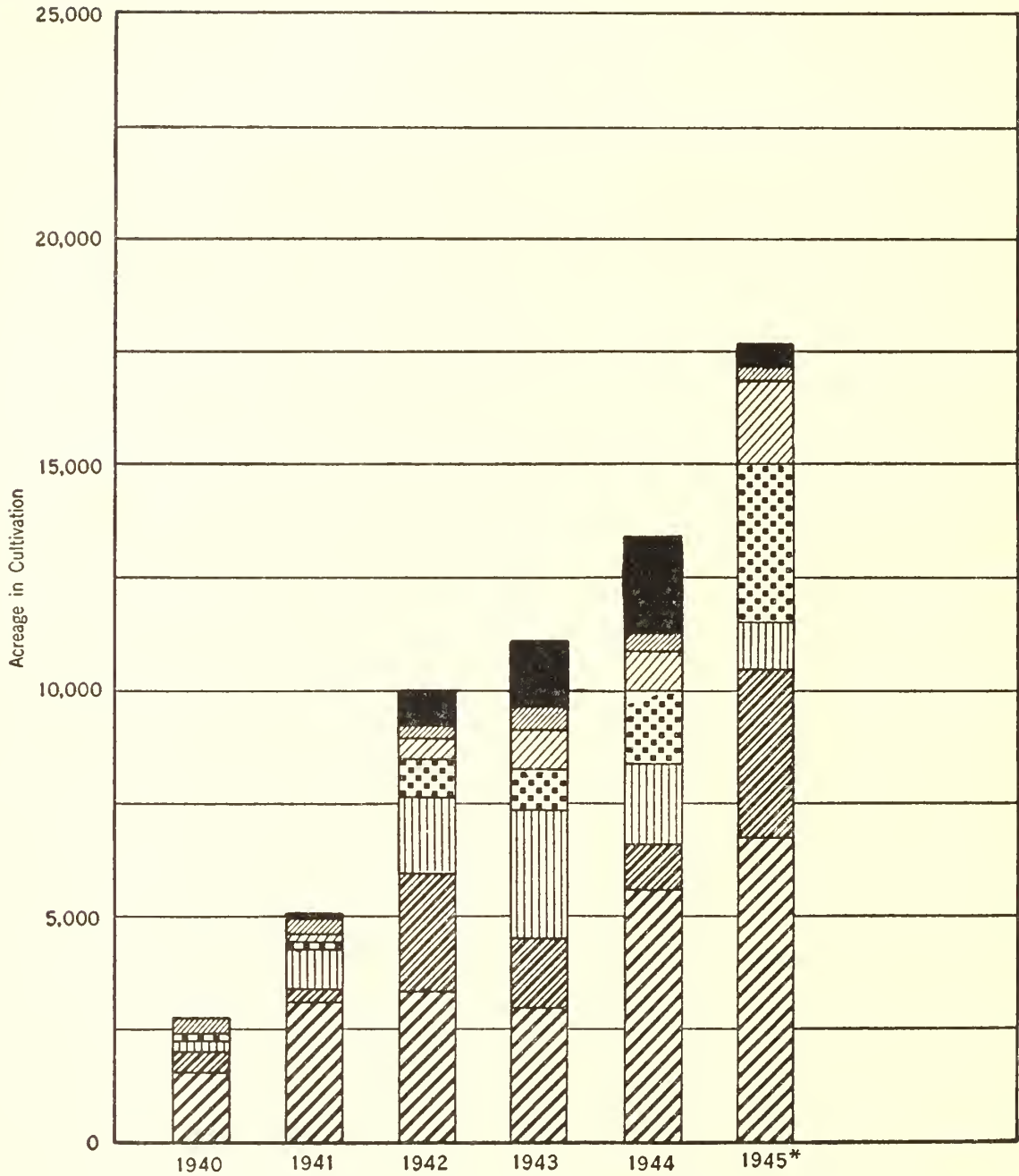
be assumed by the Bureau of Reclamation which will also operate the Second Division. The total reimbursable cost of the irrigation works of both Divisions, to be repaid by water users, is \$1,570,000, to be met in forty years after a development period. The Bureau of Reclamation will proceed with the negotiation of a repayment contract for the First Division as soon as such transfer has been made and with the Second Division as soon as the progress of construction and organization of the District permits.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1940-----	2, 726	\$53, 655	\$19. 68
1941-----	5, 064	105, 271	20. 79
1942-----	9, 962	226, 638	22. 75
1943-----	11, 094	326, 230	29. 41
1944-----	13, 382	540, 777	40. 41
1945 ² -----	17, 673	640, 885	36. 26

¹ Includes Government benefit payments.

² Includes Second Division (Shirley and Terry Units).

BUFFALO RAPIDS PROJECT, MONTANA CROP HISTORY



- Grains
- Seed Crops
- Vegetables, Truck and Others
- Sugar Beets
- Alfalfa
- Other Hay, Forage & Pasture
- Soil Improvement

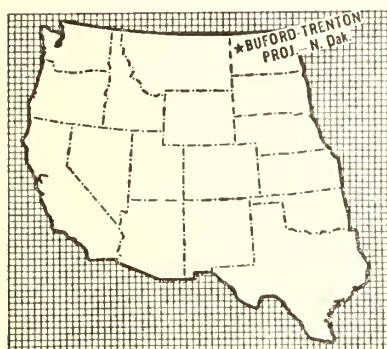
Water Service Commenced in 1940
 *Includes Second Division (Shirley and Terry Units)

Buford-Trenton Project

North Dakota . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Built by the Bureau of Reclamation under the Water Conservation and Utilization Act, to stabilize and rehabilitate an established agricultural and livestock area in North Dakota, the Buford-Trenton

project irrigates 14,800 acres. The project was planned for operation by the Department of Agriculture, but it is now determined that the

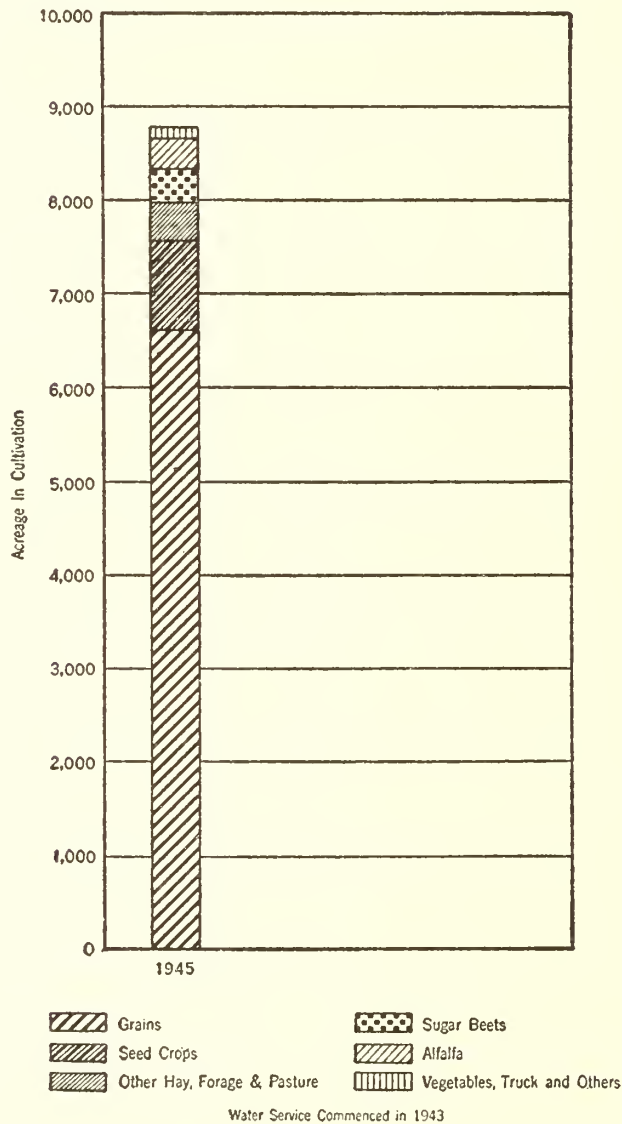
project should be operated by the Bureau of Reclamation and negotiations are in progress to effect this transfer.

The reimbursable portion of the construction cost of the irrigation system has been approved at \$906,000 by the President. Repayment negotiations for the irrigation system will be handled by the Bureau of Reclamation. Repayment of construction costs has not begun.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1945-----	8, 776	\$177, 783	\$20. 26

¹ Includes Government benefit payments.

BUFORD - TRENTON PROJECT, NORTH DAKOTA CROP HISTORY

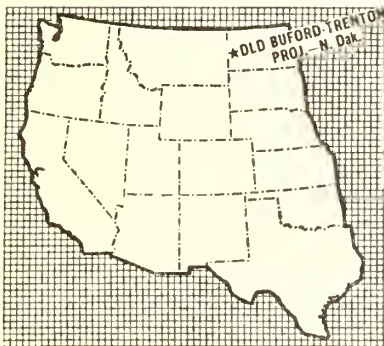


Old Buford-Trenton Project

North Dakota . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

the Missouri River lifted water into a settling basin, then to the canal system, which involved additional pumping. Individual water right ap-

The Buford-Trenton project was authorized for construction by the Bureau of Reclamation in 1906 and water was first available for irrigation in 1908. A pumping plant on a barge moored in

plications were received from the water users.

The high cost of irrigation water due to pumping, and the low value of the water due to the rainfall, made the project unsuccessful. No water was used after 1911, the system was abandoned, and most of the machinery sold.

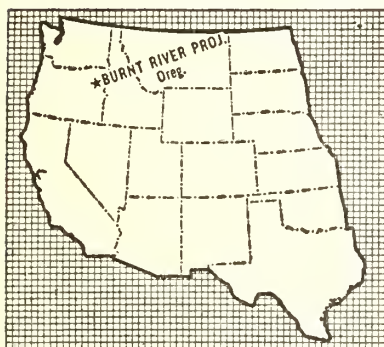
The act of May 26, 1926 (44 Stat. 653), authorized the cancellation of all water right charges and the release of all liens existing against the lands in the Buford-Trenton project on account of the water right charges. The total amount of \$221,-423.69 was thus charged off in the accounts of the United States as a loss to the Reclamation Fund.

Burnt River Project

Oregon . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

In 1936 the Bureau of Reclamation constructed Unity dam and reservoir to provide a supplemental water supply for lands in the Burnt River Irrigation District. The District has contracted to re-

pay the construction cost of \$599,735 which is approximately \$39 per irrigable acre. Repayment began in 1940 in accordance with the contract, and as of June 30, 1946, a total of \$97,475, or 16 percent, had become due and had been fully paid.

The project is operated by the Burnt River Irrigation District.

Determination of repayment obligation as of June 30, 1946:

Cost \$599,735

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1936	\$550,000								
1937	550,000								
1938	600,000								
1939	600,000								
1940	600,000	\$7,500		\$7,500	\$7,500		\$7,500		Construction repayments started in 1940 in accordance with contract provisions.
1941	600,000	15,000		15,000	15,000		15,000		
1942	600,000	15,000		15,000	15,000		15,000		
1943	¹ 599,735	14,996		14,996	14,996		14,996		
1944	599,735	14,993		14,993	14,993		14,993		
1945	599,735	14,993		14,993	14,993		14,993		
1946	599,735	14,993		14,993	14,993		14,993		
Total		97,475		97,475	97,475		97,475		
Collected				97,475					
Uncollected				0					

¹ Obligation reduced to actual cost.

This project is on a 40-year repayment basis.
Operation and maintenance by the Burnt River Irrigation District.

Contracts

1935, Dec. 24. Contract with Burnt River Irrigation District for construction of Unity Reservoir. Repayment in 80 semi-annual installments.

1937, Oct. 2. Contract with Burnt River Irrigation District increasing maximum obligation from \$550,000 to \$600,000.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$599,735
	Due to June 30—1946	97,475
	1947	14,993
	1948	14,993
	1949	14,993
	1950	14,993
	1951	14,993
	1952	14,993
	1953	14,993
	1954	14,993
	1955	14,993
	1956	14,993
	1957	14,993
	1958	14,993
	1959	14,993
	1960	14,993
	1961	14,993
	1962	14,993
	1963	14,993
	1964	14,993
	1965	14,993
	1966	14,993
	1967	14,993
	1968	14,993
	1969	14,993
	1970	14,993
	1971	14,993
	1972	14,993
	1973	14,993

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

	Fiscal year	Amount
	Due to June 30—1974	\$14,993
	1975	14,993
	1976	14,993
	1977	14,993
	1978	14,993
	1979	14,993
	1980	7,491

Contractor: Burnt River Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1936	16,500	\$253,860	\$15.39
1937	15,300	229,672	15.01
1938 ²			
1939	17,016	200,065	11.76
1940 ²			
1941 ²			
1942	15,282	455,612	29.81
1943	15,291	420,992	27.53
1944	15,291	358,611	23.45
1945	15,291	385,719	25.23

¹ Includes Government benefit payments.

² No crop records for 1938, 1940, and 1941.

BURNT RIVER PROJECT, OREGON CROP HISTORY



- | | |
|---|--|
| <ul style="list-style-type: none"> Alfalfa Other Hay, Forage & Pasture Grains | <ul style="list-style-type: none"> Vegetables, Truck and Others Fruits and Nuts Seed Crops |
|---|--|

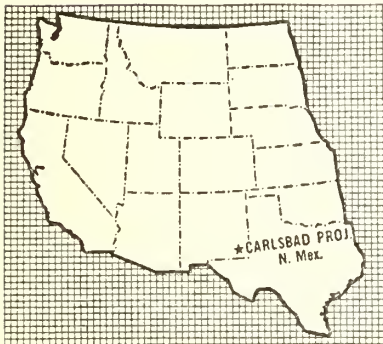
Water Service Commenced in 1937
First Crop Report Furnished in 1939

Carlsbad Project

New Mexico . . .

. . . Region V

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The total sum contracted by the Carlsbad Irrigation District for construction of the project is \$3,741,761. Repayments began in 1910 and on June 30, 1946, a total of \$1,165,932 had become

due. On the same date \$1,142,015 had been collected and paid the United States. The unpaid balance of \$23,917 represents a delinquency which is related to a serious water shortage on the project in 1946. Repayment of the obligation for original construction of the project is practically completed. The initial installment for the construction of the Alamogordo Dam and Reservoir became due in 1946. The construction obligation of the project, including Alamogordo

Dam and Reservoir, is approximately \$150 per acre.

The United States operates the Carlsbad project. On June 30, 1946, a total of \$1,451,684 had been collected from project water users in payment of operation and maintenance charges.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$3, 990, 096
Operation and maintenance funded	76, 541
Penalties funded	16, 855
	<hr/>
	4, 083, 492
Less construction revenues	47, 846
	<hr/>
	4, 035, 646
Less charge-off, act of May 26, 1926	374, 884
	<hr/>
	3, 660, 762
Future work	80, 999
	<hr/>
	3, 741, 761

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1909									
1910		\$97,467		\$97,467	\$48,549		\$48,549	\$48,549	
1911		89,646		89,646	409	\$32,333	32,742	81,291	
1912		1,008	¹ \$181,031	¹ 180,023	121	¹ 76,945	¹ 76,824	4,467	1912. Accruals cancelled under 1912 public notice.
1913		72,331	¹ 4,284	68,047	8,032	¹ 2,059	5,973	10,440	
1914		40,027	¹ 1,361	38,666	17,679	43,849	61,528	71,968	
1915	\$923,763	585	13,618	14,203	585	43,557	44,142	116,110	1915. Reclamation Extension Act, Aug. 13, 1914.
1916	1,047,780	26,146	¹ 650	25,496	14,208	8,504	22,712	138,822	
1917	1,287,175	22,132	¹ 1,577	20,555	8,899	12,103	21,002	159,824	
1918	1,305,700	19,175	¹ 5,024	14,151	11,555	9,209	20,764	180,588	
1919	1,339,290	33,593	162	33,755	19,586	7,783	27,369	207,957	
1920	1,410,999	35,189	319	35,508	28,686	14,058	42,744	250,701	
1921	1,409,501	53,102	¹ 2,577	50,525	19,114	2,360	21,474	272,175	
1922	1,409,501	55,442	¹ 207	55,235	18,100	31,357	49,457	321,632	
1923	1,423,893	56,715	¹ 2,050	54,665	26,800	34,036	60,836	382,468	
1924	1,423,893	57,674	¹ 135	57,539	37,865	31,835	69,700	452,168	
1925	1,424,313	58,100		58,100	44,613	22,747	67,360	519,528	
1926	1,425,183	60,783		60,783	35,244	13,028	48,272	567,800	
1927	1,425,183	62,589		62,589	28,231	25,925	54,156	621,956	
1928	1,425,183	63,583	50	63,633	32,729	34,961	67,690	689,646	
1929	1,425,183	65,195		65,195	31,117	30,688	61,805	751,451	
1930	1,425,183	66,640	¹ 2,046	64,594	31,701	33,728	65,429	816,880	
1931	1,425,183	68,051	1,862	69,913	25,997	34,636	60,633	877,513	
1932	1,425,183	68,041		68,041	7,636	1,888	9,524	887,037	
1933	1,053,197	52	¹ 104,966	¹ 104,914	52	¹ 3,917	¹ 3,865	883,172	
1934	1,113,134	1,603		1,603	1,603	124	1,727	884,899	
1935	1,113,132	723		723	723	73	796	885,695	
1936	² 3,631,180	16		16	16		16	885,711	
1937	3,641,761	1,707		1,707	1,707		1,707	887,418	
1938	3,641,761	15,699		15,699	4,309		4,309	891,727	
1939	3,641,761	14,967		14,967	8,136	9,861	17,997	909,724	
1940	3,641,761	14,474		14,474	7,263	8,361	15,624	925,348	
1941	3,641,761	29,203		29,203	15,830	7,210	23,040	948,388	
1942	3,641,761	43,728		43,728	27,882	13,373	41,255	989,643	
1943	3,641,761	43,166		43,166	28,494	15,846	44,340	1,033,983	
1944	3,741,761	42,254		42,254	28,151	14,672	42,823	1,076,806	
1945	3,741,761	31,417		31,417	22,347	14,103	36,450	1,113,256	
1946	3,741,761	43,606		43,606	9,095	19,664	28,759	1,142,015	
Total		1,455,829	¹ 289,897	1,165,932	653,064	488,951	1,142,015		
Collected				1,142,015					
Uncollected				23,917					

¹ Decrease. Decreases are due to funding of charges and to cancellations of water-right applications.

² Increase in obligation due to adding \$2,500,000 for Alamogordo Reservoir, etc., under 1936 contract.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1909.....	\$7, 626		1907, Dec. 17. Public notice. Construction charge \$31 per acre, payable in 10 equal annual installments.
1910.....	27, 828	\$32, 924	1912, Feb. 17. Public notice. Construction charge increased to \$45 per acre, payable in 10 graduated annual installments.
1911.....	34, 000	36, 510	1915, Apr. 10. Public notice. Construction charge \$60 per acre, payable in 20 graduated annual installments.
1912.....	6, 232	6, 252	1916, Sept. 2. Public notice. Supplemental construction. Rate \$10 per acre, payable in additional installments after 20-year repayment period.
1913.....	20, 311	15, 195	1919, June 24. Public notice. Construction charge \$69 per acre, payable in 20 graduated annual installments.
1914.....	19, 760	20, 919	1932, Nov. 14. Contract with Carlsbad Irrigation District. District assumed obligations under individual water-right application. Unpaid construction and operation and maintenance charges for 1930 and 1931 to be paid in 5 and 8 years with 6% interest.
1915.....	18, 117	11, 684	1936, Jan. 16. Contract with Carlsbad Irrigation District. Covers construction of Alamogordo Reservoir and concrete lining of canals at estimated cost of \$2,500,000. Payable in semiannual installments in 40 years beginning in 1944.
1916.....	18, 915	15, 991	1943, Oct. 5. Contract with Carlsbad Irrigation District. Maximum obligation under 1936 contract raised to \$2,600,000, and beginning of repayment deferred to year 1946.
1917.....	32, 021	22, 558	
1918.....	23, 918	34, 792	
1919.....	30, 912	30, 156	
1920.....	40, 056	42, 708	
1921.....	56, 424	21, 377	
1922.....	57, 768	37, 302	
1923.....	53, 848	69, 142	
1924.....	54, 505	80, 378	
1925.....	51, 227	64, 476	
1926.....	38, 022	37, 565	
1927.....	40, 556	36, 037	
1928.....	42, 244	42, 771	
1929.....	39, 233	37, 836	
1930.....	45, 251	43, 604	
1931.....	56, 508	43, 862	
1932.....	59, 187	16, 353	
1933.....	¹ 86	73, 861	
1934.....	23, 103	23, 185	
1935.....	35, 919	35, 967	
1936.....	40, 190	40, 190	
1937.....	24, 606	24, 606	
1938.....	30, 855	30, 855	
1939.....	56, 769	56, 769	
1940.....	46, 690	46, 690	
1941.....	41, 212	41, 212	
1942.....	41, 380	41, 380	
1943.....	53, 507	53, 507	
1944.....	65, 451	65, 451	
1945.....	58, 899	58, 899	
1946.....	58, 720	58, 720	
Total.....	1, 451, 684	1, 451, 684	

¹ Decrease. Decreases are due to finding of charges and to cancellation of water-right applications.
This project is on a 40-year repayment basis.

Repayment of Construction Investment
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount	
		Original project	Alamogordo Reservoir
Contract obligation (total \$3,741,761)-----		\$1,141,761	\$2,600,000
	Due to June 30—1946..	1, 133, 432	32, 500
	1947..	995	65, 000
	1948..	938	65, 000
	1949..	924	65, 000
	1950..	878	65, 000
	1951..	826	65, 000
	1952..	697	65, 000
	1953..	565	65, 000
	1954..	419	65, 000
	1955..	327	65, 000
	1956..	277	65, 000
	1957..	160	65, 000
	1958..	159	65, 000
	1959..	149	65, 000
	1960..	149	65, 000
	1961..	130	65, 000
	1962..	128	65, 000
	1963..	128	65, 000
	1964..	128	65, 000
	1965..	128	65, 000
	1966..	127	65, 000
	1967..	97	65, 000
	1968..	-----	65, 000
	1969..	-----	65, 000
	1970..	-----	65, 000
	1971..	-----	65, 000
	1972..	-----	65, 000
	1973..	-----	65, 000
	1974..	-----	65, 000
	1975..	-----	65, 000
	1976..	-----	65, 000
	1977..	-----	65, 000
	1978..	-----	65, 000
	1979..	-----	65, 000
	1980..	-----	65, 000
	1981..	-----	65, 000
	1982..	-----	65, 000
	1983..	-----	65, 000
	1984..	-----	65, 000
	1985..	-----	65, 000
	1986..	-----	32, 500

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1907 ² -----	6, 528	\$70, 000	\$10. 72
1908 ² -----	9, 385	103, 312	11. 01
1909 ² -----	9, 810	163, 939	16. 71
1910 ² -----	10, 735	220, 162	20. 51
1911 ² -----	12, 274	257, 754	21. 00
1912-----	11, 629	209, 000	17. 97
1913-----	12, 195	257, 275	21. 10
1914-----	10, 731	237, 663	22. 15
1915-----	11, 322	245, 684	21. 70
1916-----	14, 500	416, 041	28. 69
1917-----	15, 729	623, 818	39. 66
1918-----	18, 200	1, 105, 515	60. 74
1919-----	18, 753	1, 988, 546	106. 04
1920-----	20, 180	963, 800	47. 76
1921-----	21, 620	919, 650	42. 54
1922-----	22, 430	1, 197, 980	53. 41
1923-----	22, 630	1, 781, 430	78. 72
1924-----	23, 070	2, 239, 900	97. 09
1925-----	22, 861	1, 433, 059	62. 69
1926-----	22, 860	1, 100, 620	48. 15
1927-----	22, 780	1, 935, 270	84. 95
1928-----	23, 820	1, 291, 160	54. 20
1929-----	24, 220	1, 847, 500	76. 28
1930-----	23, 695	1, 297, 378	54. 75
1931-----	21, 930	663, 738	30. 27
1932-----	22, 515	441, 017	19. 59
1933-----	18, 761	891, 044	47. 49
1934-----	18, 714	823, 271	43. 99
1935-----	17, 103	831, 712	48. 63
1936-----	19, 391	1, 148, 526	59. 23
1937-----	22, 855	1, 209, 696	52. 93
1938-----	19, 126	790, 308	41. 32
1939-----	19, 531	1, 081, 914	55. 39
1940-----	20, 218	1, 101, 051	54. 46
1941-----	20, 229	1, 152, 091	56. 95
1942-----	20, 271	1, 553, 078	76. 62
1943-----	20, 512	1, 600, 170	78. 01
1944-----	21, 043	1, 835, 986	87. 25
1945-----	20, 715	1, 539, 967	74. 34

¹ Includes Government benefit payments.

² Estimated.

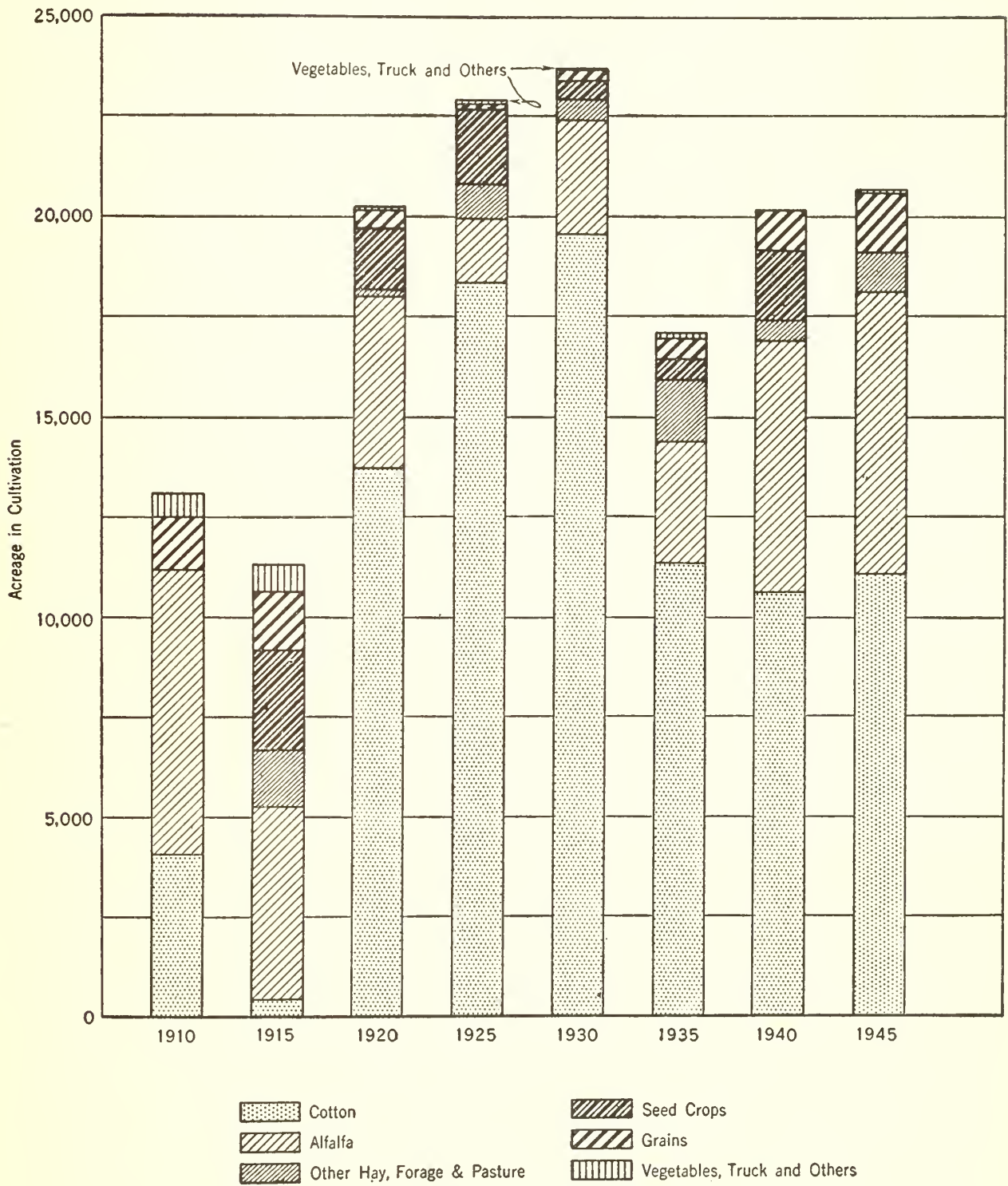
¹ Small sums on original obligations are due from 1947-1967 because of recently approved filings of water-right applications by individuals.

Repayment of the cost of Alamogordo Dam began in 1946.

Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

Contractor for both obligations: Carlsbad Irrigation District.

CARLSBAD PROJECT, NEW MEXICO CROP HISTORY

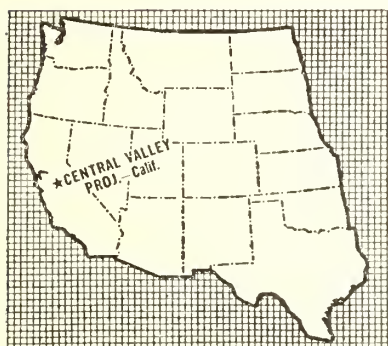


Central Valley Project

California . . .

. . . Region II

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Authorized originally in 1935 as a Federal project, the Central Valley project is being constructed for the purposes of improvement of navigation, flood control, supplemental water for irrigation

through redistribution between the Sacramento and San Joaquin areas, repulsion of salt water in the Delta area, power production, and fresh water for municipal and industrial uses.

Water is now being furnished on a limited basis for irrigation of some lands in the project, for recharging groundwater supplies, and for salinity control. A contract has been entered into with the Southern San Joaquin Municipal Utility

District for the sale of water. A similar contract is being negotiated with the Lindsay-Strathmore Irrigation District.

The Secretary of the Interior has approved a report on allocations of project costs and has forwarded it to the President. Establishment of the allocations provides the basis for repayment contract negotiations with water users and the fixing of rates for the sales of power.

Electric energy generated on the project provides revenue for amortizing the power investment and contributes to repayment of a large part of the irrigation investment. The Shasta power plant is already in service, with two units operating and two more soon to be ready for operation. The Keswick plant will also soon be in operation. Some transmission facilities have been provided and others are under construction to deliver energy for irrigation pumping and public contractors.

Power and Irrigation Summary—Status of Repayment Account

	Fiscal year	Amounts due			
		Power revenues	Municipal water charges	Irrigation water charges	Irrigation construction charges
Total \$334,787,000-----		\$212,966,476	\$27,424,212	\$72,505,812	\$21,890,500
	1945	\$1,218,449			
	1946	3,036,605			
	1947	3,005,726			
	1948	1,838,680			
	1949	747,817			
	1950	2,330,956		-\$3,028,381	
	1951	3,687,895	\$178,854	-210,910	\$547,263
	1952	3,548,018	206,099	87,907	547,263
	1953	3,560,128	233,392	211,137	547,263
	1954	3,572,259	260,684	334,490	547,263
	1955	3,584,410	287,977	458,045	547,263
	1956	3,596,500	315,269	581,075	547,263
	1957	3,609,374	342,561	702,821	547,263
	1958	3,620,781	369,854	827,981	547,263
	1959	3,632,464	397,147	948,885	547,263
	1960	3,643,812	424,443	1,067,996	547,263
	1961	3,655,205	451,739	1,187,447	547,263
	1962	3,666,514	479,034	1,306,233	547,263
	1963	3,677,908	506,329	1,425,683	547,263
	1964	3,687,206	533,630	1,526,163	547,263
	1965	3,696,550	560,930	1,626,981	547,263
	1966	3,696,550	560,930	1,626,981	547,263
	1967	3,696,550	560,930	1,626,981	547,263
	1968	3,696,550	560,930	1,626,981	547,263
	1969	3,696,550	560,930	1,626,981	547,263
	1970	3,696,550	560,930	1,626,981	547,263
	1971	3,696,550	560,930	1,626,981	547,262
	1972	3,696,550	560,930	1,626,981	547,262
	1973	3,696,550	560,930	1,626,981	547,262
	1974	3,696,550	560,930	1,626,981	547,262
	1975	3,696,550	560,930	1,626,981	547,262
	1976	3,696,550	560,930	1,626,981	547,262
	1977	3,696,550	560,930	1,626,981	547,262
	1978	3,696,550	560,930	1,626,981	547,262
	1979	3,696,550	560,930	1,626,981	547,262
	1980	3,696,550	560,930	1,626,981	547,262
	1981	3,696,550	560,930	1,626,981	547,262
	1982	3,696,550	560,930	1,626,981	547,262
	1983	3,696,550	560,930	1,626,981	547,262
	1984	3,696,550	560,930	1,626,981	547,262
	1985	3,696,550	560,930	1,626,981	547,262
	1986	3,696,550	560,930	1,626,981	547,262
	1987	3,696,550	560,930	1,626,981	547,262
	1988	3,696,550	560,930	1,626,981	547,262
	1989	3,696,550	560,930	1,626,981	547,262
	1990	3,696,550	560,930	1,626,981	547,262
	1991	3,696,550	560,930	1,626,981	
	1992	3,696,550	560,930	1,626,981	
	1993	3,696,550	560,930	1,626,981	
	1994	3,696,550	560,930	1,626,981	
	1995	3,696,550	560,930	1,626,981	
	1996	3,696,550	560,930	1,626,981	
	1997	3,696,550	560,930	1,626,981	
	1998	3,696,550	560,930	1,626,981	
	1999	3,696,550	560,930	1,626,981	
	2000	3,696,550	560,930	1,626,981	
	2001	3,696,550	560,930	1,626,981	
	2002	3,696,550	560,930	1,626,981	
	2003	3,696,550	560,930	1,626,981	
	2004	3,696,550	560,930	1,626,981	
	2005	2,183,769			

Summary

Power revenues-----	\$212,966,476
Municipal water service-----	27,424,212
Irrigation water service-----	72,505,812
Irrigation construction charges-----	21,890,500
Total-----	334,787,000
Nonreimbursable cost-----	49,527,000
Total estimated construction cost-----	384,314,000

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1943-----	250	\$175, 150	\$700. 60
1944-----	64, 971	9, 533, 900	146. 74
1945-----	95, 482	18, 302, 432	191. 68

¹ Includes Government benefit payments.

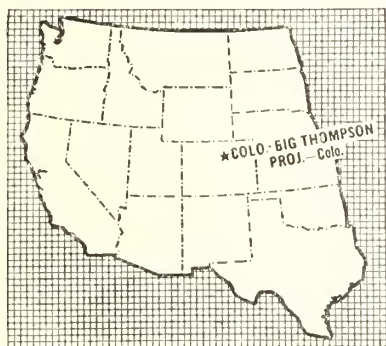
Lands within the permanent project area under Madera and Contra Costa Canals. Additional lands in San Joaquin River Valley furnished water as a temporary service.

Colorado-Big Thompson Project

Colorado . . .

. . . Region VII

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

A contract dated July 5, 1938, between the United States and the Northern Colorado Water Conservancy District provided for the repayment of \$25,000,000, or approximately \$40 per acre, which at that time was considered the equitable reimbursable portion of the cost of the project by the water users. Power revenues have been scheduled to account for the remainder of the construction cost of the irrigation facilities pend-

ing negotiations with the water users to reflect increased construction costs in an amendatory or supplemental repayment contract in accordance with the report of the House of Representatives Appropriations Committee (House Report No. 279). The project will provide supplemental irrigation water, by transmountain diversion and storage, for a large area in eastern Colorado.

At present the Green Mountain power plant (21,600 kilowatts) is in operation, and a portion of the transmission system is completed for delivery of power to the market areas. Other features of this project are still under construction. Supplemental irrigation water from the project storage system has not yet become available, and irrigation repayment has not commenced.

Power and Irrigation Summary—Status of Repayment Account

Fiscal year	Repayable			Payout schedule			Balance repayable
	Total	Irrigation contracts	Cost allocated to power	Total	Irrigation	Power	
1938.....	\$223, 072						
1939.....	2, 402, 395						
1940.....	4, 695, 268						
1941.....	7, 383, 673						
1942.....	11, 987, 784						
1943.....	16, 316, 259						
1944.....	18, 776, 339						
1945.....	21, 490, 363						
1946.....	26, 387, 751	\$25, 000, 000	\$1, 387, 751	\$41, 222		\$41, 222	\$16, 275, 037
1947.....	37, 450, 220	25, 000, 000	12, 450, 220	386, 300		386, 300	18, 348, 817
1948.....	51, 450, 220	25, 000, 000	26, 450, 220	392, 901		392, 901	20, 609, 940
1949.....	113, 377, 020	25, 000, 000	88, 377, 020	495, 217		495, 217	25, 072, 111
1950.....	125, 864, 020	25, 000, 000	100, 864, 020	464, 627		464, 627	35, 669, 953
1951.....	128, 110, 120	25, 000, 000	103, 110, 120	394, 627		394, 627	49, 275, 326
1952.....	128, 110, 120	25, 000, 000	103, 110, 120	429, 627		429, 627	110, 772, 499
1953.....	128, 110, 120	25, 000, 000	103, 110, 120	342, 000		342, 000	122, 917, 499
1954.....	128, 110, 120	25, 000, 000	103, 110, 120	617, 000		617, 000	124, 546, 599
1955.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 192, 000	¹ \$450, 000	1, 742, 000	122, 554, 599
1956.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 372, 000	450, 000	1, 922, 000	119, 982, 599
1957.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 412, 000	450, 000	1, 962, 000	117, 570, 599
1958.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 473, 000	450, 000	2, 023, 000	115, 097, 599
1959.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	112, 637, 899
1960.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	110, 178, 199
1961.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	107, 718, 499
1962.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	105, 258, 799
1963.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	102, 799, 099
1964.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	100, 339, 399
1965.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	97, 879, 699
1966.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	95, 419, 999
1967.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	92, 960, 299
1968.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	90, 500, 599
1969.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	88, 040, 899
1970.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	85, 581, 199
1971.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	83, 121, 499
1972.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	80, 661, 799
1973.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	78, 202, 099
1974.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 459, 700	450, 000	2, 009, 700	75, 742, 399
1975.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	73, 282, 699
1976.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	70, 722, 999
1977.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	68, 263, 299
1978.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	65, 803, 599
1979.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	63, 343, 899
1980.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	60, 884, 199
1981.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	58, 424, 499
1982.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	55, 964, 799
1983.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	53, 505, 099
1984.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 509, 700	500, 000	2, 009, 700	51, 045, 399
1985.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	47, 585, 699
1986.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	44, 125, 999
1987.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	41, 666, 299
1988.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	38, 206, 599
1989.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	35, 746, 899
1990.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	33, 287, 199
1991.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	28, 827, 499
1992.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	25, 367, 799
1993.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	22, 908, 099
1994.....	128, 110, 120	25, 000, 000	103, 110, 120	3, 109, 700	1, 100, 000	2, 009, 700	19, 448, 399
1995.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 009, 700		2, 009, 700	17, 988, 699
1996.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 009, 700		2, 009, 700	15, 528, 999
1997.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 009, 700		2, 009, 700	13, 069, 299
1998.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 009, 700		2, 009, 700	11, 609, 599
1999.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 009, 700		2, 009, 700	9, 149, 899
2000.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 009, 700		2, 009, 700	7, 689, 199
2001.....	128, 110, 120	25, 000, 000	103, 110, 120	2, 009, 700		2, 009, 700	5, 229, 499
2001.....	128, 110, 120	25, 000, 000	103, 110, 120	1, 461, 099		1, 461, 099	3, 769, 799
2001.....	128, 110, 120	25, 000, 000	103, 110, 120	1, 461, 099		1, 461, 099	1, 309, 099
2001.....	128, 110, 120	25, 000, 000	103, 110, 120	1, 461, 099		1, 461, 099	0
Total.....				128, 110, 120	25, 000, 000	103, 110, 120	

¹ Estimated date (1952) beginning of repayment by water users.

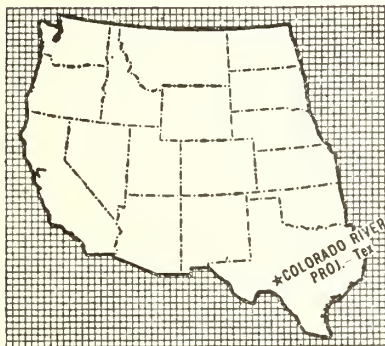
Power revenues have been scheduled to account for the return of \$11,000,000 of the total cost of the irrigation facilities, pending determination of ability of the water users to increase their repayment total.

Colorado River Project

Texas . . .

. . . Region V

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Primarily a flood control project, the dam and reservoir serve also to improve navigation, regulate stream flow, and provide water for storage for irrigation uses and power generation. The construction cost to June 30, 1946, was \$23,771,352, and the Bureau's construction program is completed, except for minor work.

The dam and reservoir are operated by the

Construction of Marshall Ford Dam, near Austin, Texas, by the Bureau of Reclamation was authorized by the Rivers and Harbors Act of August 26, 1937 (50 Stat. 850).

Primarily a flood

Lower Colorado River Authority of Texas, in accordance with a contract between the Authority and the United States dated March 13, 1941. A power plant has been constructed by the Authority at the dam. It is operated and maintained and all energy produced is marketed by the Authority.

An allocation is to be made of the portion of the construction cost to be reimbursed to the United States by the Authority. A report on the proposed allocation of project costs has been drafted and, upon final review and approval, it will be transmitted by the Secretary of the Interior to the Lower Colorado River Authority.

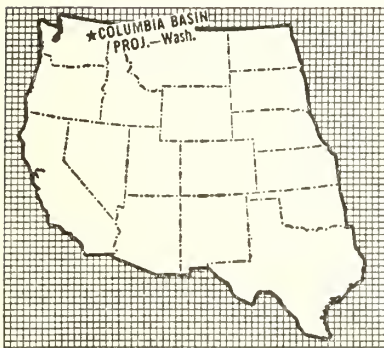
Under the terms of the contract, repayment will be made in 35 or less, equal annual installments, to begin following completion of payments on bonds issued by the Authority, but not later than June 1, 1975.

Columbia Basin Project

Washington . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The project was authorized for construction by the Rivers and Harbors Act approved August 30, 1935. The Columbia Basin Project Act of 1943 (57 Stat. 14) reauthorized the project, bringing it

under the provisions of the Reclamation Project Act of 1939.

In a report by the Bureau of Reclamation and the Bonneville Power Administration (House Document No. 172, 79th Congress, 1st Session), the cost of construction has been allocated among the several purposes of the project and the part of

the Government's investment that is to be returned from various revenue-yielding sources.

The approved allocations of costs are as follows:

Irrigation	\$341, 929, 994
Commercial power	113, 827, 243
Downstream river regulation	30, 272, 991
Flood control and navigation	1, 000, 000

Allocations to flood control and navigation are nonreimbursable. It has been determined tentatively that the irrigation water users will be able to pay directly approximately \$87,465,000, or \$85 per irrigable acre, and it is expected that an additional \$50,500,000 will be repaid by the water users as an operation and maintenance charge for the use of power for irrigation pumping. Net power revenues will return direct construction costs totaling \$348,065,228.

Repayment of Cost Covered by Irrigation Contracts

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	-----	\$87, 465, 000
	1957	12, 750
	1958	12, 750
	1959	12, 750
	1960	850, 000
	1961	956, 250
	1962	1, 062, 500
	1963	1, 168, 750
	1964	1, 275, 000
	1965	1, 381, 250
	1966	1, 487, 500
	1967	1, 593, 750
	1968	1, 700, 000
	1969	1, 806, 250
	1970	1, 912, 500
	1971	2, 018, 750
	1972	2, 125, 000
	1973	2, 186, 625
	1974	2, 186, 625
	1975	2, 186, 625
	1976	2, 186, 625
	1977	2, 186, 625
	1978	2, 186, 625
	1979	2, 186, 625
	1980	2, 186, 625
	1981	2, 186, 625
	1982	2, 186, 625
	1983	2, 186, 625
	1984	2, 186, 625
	1985	2, 186, 625
	1986	2, 186, 625
	1987	2, 186, 625

See footnote at end of table.

HOW RECLAMATION PAYS

Repayment of Cost Covered by Irrigation Contracts—Continued

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation-----	1988	\$2, 186, 625
	1989	2, 186, 625
	1990	2, 186, 625
	1991	2, 186, 625
	1992	2, 186, 625
	1993	2, 186, 625
	1994	2, 186, 625
	1995	2, 186, 625
	1996	2, 173, 875
	1997	2, 173, 875
	1998	2, 173, 875
	1999	2, 173, 875
	2000	1, 336, 625
	2001	1, 230, 375
	2002	1, 124, 125
	2003	1, 017, 875
	2004	911, 625
	2005	805, 375
	2006	699, 125
	2007	592, 875
	2008	486, 625
	2009	380, 375
	2010	274, 125
	2011	167, 875
	2012	61, 625

¹ The schedule is in accordance with the Bureau's program for irrigation repayment as planned in 1946. Execution of the program is dependent on appropriations to maintain the construction schedule. Computations for payout from power revenues are being revised on the basis of accelerated revenues received during the post-war period.

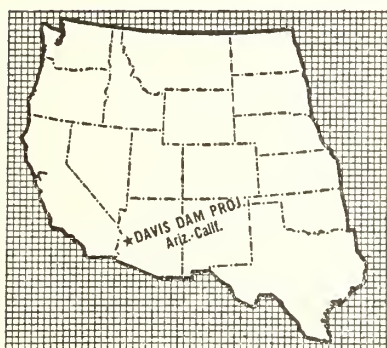
Contractors: East Columbia Basin Irrigation District, South Columbia Basin Irrigation District, and Quincy-Columbia Basin Irrigation District.

Davis Dam Project

Arizona-California . . .

. . . Region III

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

with transmission lines and substations, and incidental features. The project will provide river regulation for power development, irrigation,

Construction of Davis Dam was authorized in 1941 but was delayed on account of the war. Construction has now been resumed and will include the Dam and Power Plant on the Colorado River,

flood control, improvement of navigation, and municipal water supply.

An integrated power system for Davis Dam, Parker Dam, and Yuma project, and the Boulder Canyon project will serve central and eastern Arizona and the Imperial and Coachella Valleys in southern California. Davis Dam will provide river regulation for delivery of water to Mexico at the United States-Mexico international boundary as required by the recent treaty. Completion of Davis Dam within 5 years is an obligation of the United States under the treaty.

Repayment of Davis Dam costs allocated to power will be obtained from net power revenues.

Repayment of Construction Investment
Davis—Parker Power System

Fiscal year	Repayable ¹ —Cost of power system	Pay-out schedule ¹	Balance repayable
1943	\$10,911,000	\$149,307	\$10,761,693
1944	10,911,000	1,107,280	9,654,413
1945	10,911,000	1,192,666	8,461,747
1946	10,911,000	977,994	7,483,753
1947	13,364,200	777,154	9,159,799
1948	19,254,000	562,840	14,486,759
1949	81,706,100	558,346	76,380,513
1950	85,252,900	4,046,541	75,880,772
1951	88,072,900	3,903,947	74,796,825
1952	88,072,900	3,794,075	71,002,750
1953	88,072,900	3,771,821	67,230,929
1954	88,072,900	4,091,251	63,139,678
1955	88,072,900	4,050,051	59,089,627
1956	88,072,900	4,008,851	55,080,776
1957	88,072,900	3,300,071	51,780,705
1958	88,072,900	3,254,611	48,526,094
1959	88,072,900	3,212,321	45,313,773
1960	88,072,900	3,167,311	42,146,462
1961	88,072,900	3,128,201	39,018,261
1962	88,072,900	3,352,581	35,665,680
1963	88,072,900	3,598,151	32,067,529

See footnote at end of table.

Repayment of Construction Investment—Continued
Davis—Parker Power System

Fiscal year	Repayable ¹ —Cost of power system	Pay-out schedule ¹	Balance repayable
1964	\$88,072,900	\$3,569,351	\$28,498,178
1965	88,072,900	3,088,470	25,409,708
1966	88,072,900	3,065,970	22,343,738
1967	88,072,900	3,042,570	19,301,168
1968	88,072,900	3,019,620	16,281,548
1969	88,072,900	2,996,220	13,285,328
1970	88,072,900	2,973,720	10,311,608
1971	88,072,900	2,950,770	7,360,838
1972	88,072,900	2,927,370	4,433,468
1973	88,072,900	2,904,870	1,528,598
1974	88,072,900	1,528,598	0
Total		88,072,900	

¹ Does not include cost of Parker Dam paid for by Metropolitan Water District of Southern California, full estimated cost of Davis Dam is included pending allocation of costs to river regulation under Treaty with Mexico.

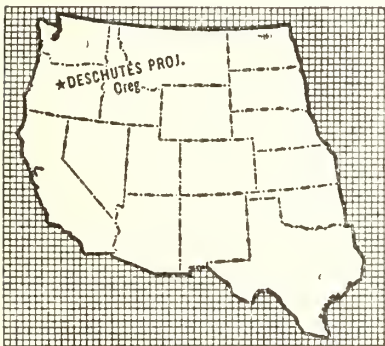
In this schedule, all net power revenues paid into the Reclamation Fund are treated as being available to repay the project construction investment. In the schedule, separately published, based on amortization of all investment allocated to power with 3 percent interest in 50 years and application of a part of the interest component to repayment of irrigation costs, repayment of the power allocation will not be completed until 1997.

Deschutes Project

Oregon . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Construction of the North Unit of the Deschutes project has not been completed and repayment has not begun. Facilities were completed to a point where irrigation water could be served for the

first time in 1946 to 17,000 acres, on a rental basis.

A contract has been entered into with the Jefferson County Water Conservancy District to pay the reimbursable construction cost of the North Unit up to \$9,500,000, or \$190 per irrigable acre. Repayment will be made in 39 years.

In connection with the construction of the project, it was necessary to reconstruct the Crane

Prairie Reservoir, and for this work the Central Oregon Irrigation District has agreed to pay \$400,000 in 78 equal semiannual instalments, or approximately \$10 per irrigable acre. To June 30, 1946, the District had paid all due instalments, amounting to \$35,897. The Pacific Power and Light Company had paid \$2,970 on June 30, 1946, which was all that had become due on its repayment contract totaling \$23,760, for work performed by the Bureau in improving its facilities. The city of Prineville is obligated to repay \$10,679 for a concrete siphon built by the Bureau of Reclamation.

Determination of repayment obligation as of June 30, 1946:

Cost	\$5, 475, 227
Future work	4, 459, 212
	<hr/>
Total	9, 934, 439

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1938	\$8,000,000							
1939	8,000,000							
1940	8,400,000							
1941	8,400,000							
1942	8,423,760	\$594		\$594	\$594		\$594	\$594
1943	8,423,760	5,722		5,722	5,722		5,722	6,316
1944	8,423,760	10,851		10,851	10,851		10,851	17,167
1945	8,423,760	10,850		10,850	10,850		10,850	28,017
1946	9,934,439	10,850		10,850	10,850		10,850	38,867
Total		38,867		38,867	38,867		38,867	
Collected				38,867				
Uncollected				0				

Operation and maintenance of Crane Prairie Reservoir by the Central Oregon Irrigation District. Repayments 1942-46 made by Central Oregon Navigation District and Pacific Power and Light Co.

Contracts

1938, January 4. Contract with Jefferson Water Conservancy District for construction of North Unit of project at estimated cost of \$9,500,000, payable in 39 equal annual installments.
 1939, August 5. Contract with Central Oregon Irrigation District for construction of Crane Prairie Reservoir at estimated cost of \$400,000, payable in 39 equal annual installments.

1939, November 21. Contract with Pacific Power & Light Company. Payable in 40 equal annual installments.
 1942, June 2. Contract with City of Prineville for concrete siphon. Payable in 10 equal annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amounts due from contractors			
		Central Oregon Irrigation District	Pacific Power and Light Co.	Jefferson County Water Conservancy District	City of Prineville
Contract obligation (total \$9,934,439)		\$400,000	\$23,760	\$9,500,000	\$10,679
	Due to June 30—1946	35,897	2,970		
	1947	10,256	594		
	1948	10,256	594		1,068
	1949	10,256	594		1,068
	1950	10,256	594	243,589	1,068
	1951	10,256	594	243,589	1,068
	1952	10,256	594	243,589	1,068
	1953	10,256	594	243,589	1,068
	1954	10,256	594	243,589	1,068
	1955	10,256	594	243,589	1,068
	1956	10,256	594	243,589	1,068
	1957	10,256	594	243,589	1,067
	1958	10,256	594	243,589	
	1959	10,256	594	243,589	
	1960	10,256	594	243,589	
	1961	10,256	594	243,589	
	1962	10,256	594	243,589	
	1963	10,256	594	243,589	
	1964	10,256	594	243,589	
	1965	10,256	594	243,589	
	1966	10,256	594	243,589	
	1967	10,256	594	243,589	
	1968	10,256	594	243,589	
	1969	10,256	594	243,589	
	1970	10,256	594	243,589	
	1971	10,256	594	243,589	
	1972	10,256	594	243,589	
	1973	10,256	594	243,589	
	1974	10,256	594	243,589	
	1975	10,256	594	243,589	

¹ District will not be obligated to repay cost of labor, materials, and supplies provided by CCC and CPS. When these total contributions are determined, the district's obligation will be adjusted.

Repayment of Construction Investment—Continued
 PAY-OUT SCHEDULE

	Fiscal year	Amounts due from contractors			
		Central Oregon Irrigation District	Pacific Power and Light Co.	Jefferson County Water Conservancy District	City of Prineville
	Due to June 30—1976	\$10, 256	\$594	\$243, 589	-----
	1977	10, 256	594	243, 589	-----
	1978	10, 256	594	243, 589	-----
	1979	10, 256	594	243, 589	-----
	1980	10, 256	594	243, 589	-----
	1981	10, 256	594	243, 589	-----
	1982	5, 143	-----	243, 589	-----
	1983	-----	-----	243, 589	-----
	1984	-----	-----	243, 589	-----
	1985	-----	-----	243, 589	-----
	1986	-----	-----	243, 589	-----
	1987	-----	-----	243, 589	-----
	1988	-----	-----	243, 618	-----

Central Oregon Irrigation District

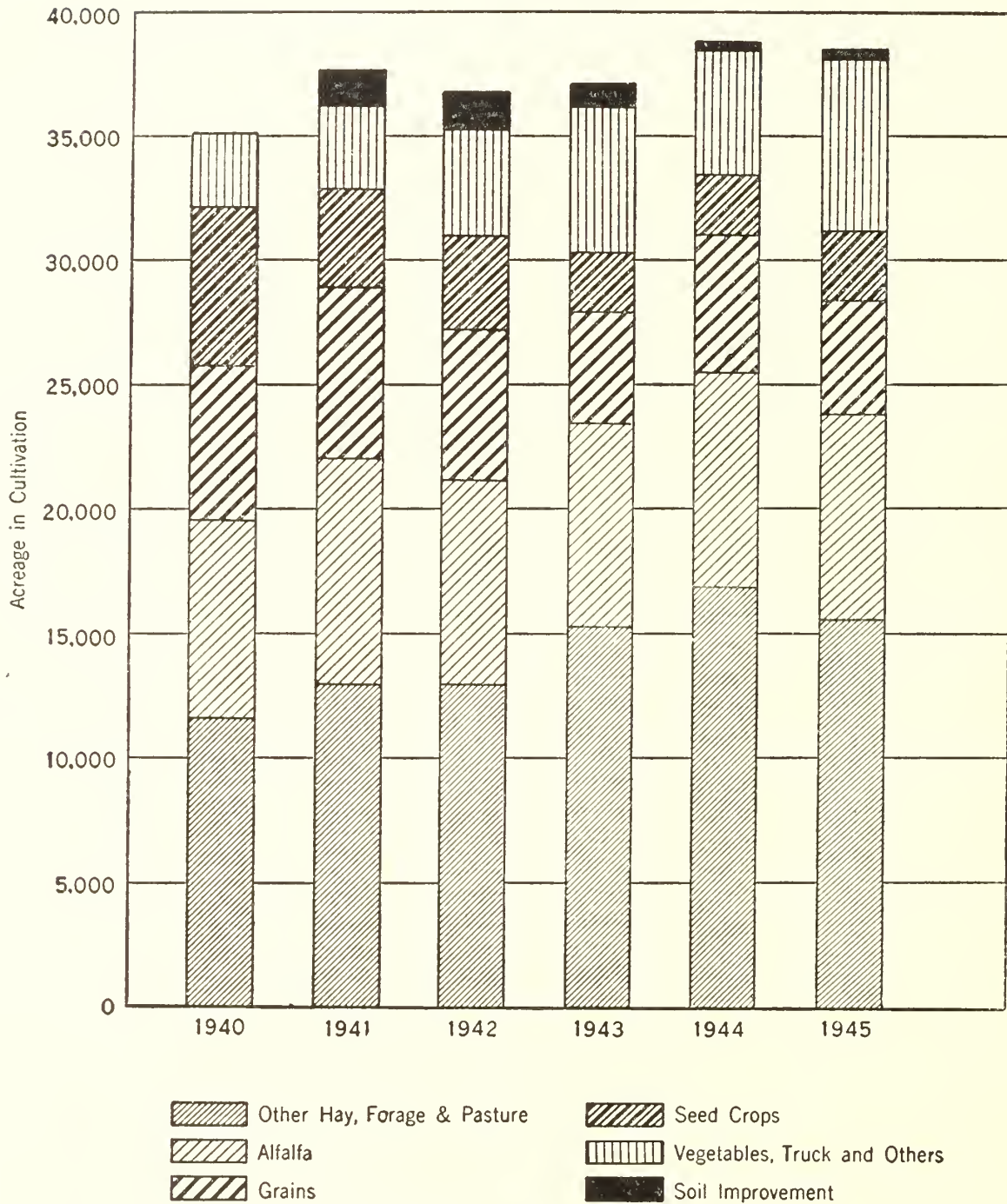
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1939	33, 183	\$942, 125	\$28. 39
1940	35, 179	1, 109, 706	31. 54
1941	37, 774	1, 414, 411	37. 44
1942	36, 820	1, 768, 060	48. 02
1943	37, 291	2, 359, 444	63. 27
1944	38, 854	2, 913, 545	74. 99
1945	38, 388	3, 094, 854	80. 62

¹ Includes Government benefit payments.

DESCHUTES PROJECT, OREGON

CENTRAL OREGON IRRIGATION DISTRICT

CROP HISTORY



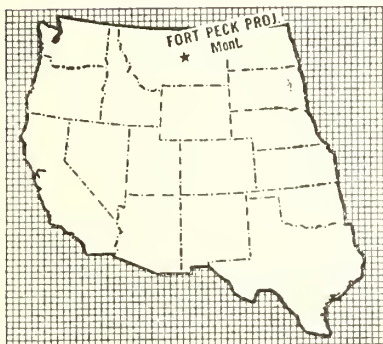
Water Service Commenced in 1940

Fort Peck Project

Montana . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Fort Peck Project Act of May 18, 1938 (52 Stat. 403), authorized the completion, maintenance, and operation of the Fort Peck project. The Secretary of War was responsible for completion of the

dam and power plant. The Bureau of Reclamation is constructing and operating facilities for transmitting and marketing the electric energy.

Under the act, schedules of rates and charges for electric energy are approved by the Federal Power Commission.

All receipts from transmission and sale of electric energy are covered into the Treasury of the United States to the credit of miscellaneous receipts. The Treasury has set up, from such receipts, a continuing fund of \$500,000, to the credit of the Bureau of Reclamation, for operation and maintenance costs.

Sale of power began in fiscal year 1944.

Under authority of the act of May 18, 1938, the entire cost of the power plant will be repaid from power revenues and the right has been reserved

by the Federal Power Commission to allocate the cost of joint facilities between power development and other benefits.

Status of Repayment Account

Fiscal year	Repayable	Payout schedule	Balance repayable
	Cost of power system		
1944	\$7,165,581	\$345,524	\$6,820,057
1945	7,860,940	44,061	7,471,355
1946	8,609,159	80,884	8,138,690
1947	10,079,112	¹ 135,779	9,744,422
1948	15,333,794	¹ 91,900	15,091,004
1949	18,813,794	151,637	18,419,367
1950	20,500,079	231,269	19,874,383
1951	21,676,779	577,676	20,473,407
1952	22,402,579	637,956	20,561,251
1953	22,811,679	644,627	20,325,724
1954	22,964,998	1,076,294	19,402,749
1955	23,112,398	1,085,325	18,464,824
1956	23,776,000	1,092,568	18,035,858
1957	23,776,000	1,102,568	16,933,290
1958	23,776,000	1,110,068	15,823,222
1959	23,776,000	1,115,068	14,708,154
1960	23,776,000	1,120,068	13,588,086
1961	23,776,000	1,125,068	12,463,018
1962	23,776,000	1,130,068	11,332,950
1963	23,776,000	1,132,568	10,200,382
1964	23,776,000	1,135,068	9,065,314
1965	23,776,000	1,137,568	7,927,746
1966	23,776,000	1,141,318	6,786,428
1967	23,776,000	1,145,068	5,641,360
1968	23,776,000	1,147,568	4,493,792
1969	23,776,000	1,150,068	3,343,724
1970	23,776,000	1,152,568	2,191,156
1971	23,776,000	1,152,568	1,038,588
1972	23,776,000	1,038,588	0
Total		23,776,000	

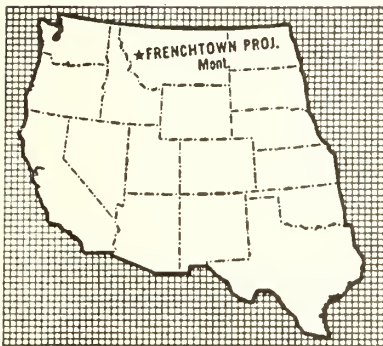
¹ Loss.

Frenchtown Project

Montana . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Frenchtown Irrigation District requested the United States to construct its irrigation system and contracted to repay \$296,439 for this work, or approximately \$60 per irrigable acre.

Under the contract, repayment commenced in 1940 and a total of \$15,710 had become due on June 30, 1946. Of this amount, \$11,960 had been paid the United States. The unpaid bal-

ance, \$3,750, represents charges which the District now believes are in excess of what it should be asked to pay annually. Steps are being taken to reach an agreement with the District on terms of repayment to be incorporated in an amendatory contract.

The irrigation system has been operated by the Frenchtown Irrigation District since its construction.

Determination of repayment obligation as of June 30, 1946:

Cost	\$279, 099
Adjustment to be made	17, 340
	<hr/>
Total	296, 439

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1936	\$180,000							
1937	260,000							
1938	295,000							
1939	295,000							
1940	296,439	\$1,250		\$1,250	\$1,250		\$1,250	\$1,250
1941	296,439	2,206		2,206	1,581		1,581	2,831
1942	296,439	1,394		1,394	769	\$625	1,394	4,225
1943	296,439	1,394		1,394	769	625	1,394	5,619
1944	296,439	2,644		2,644	1,394	625	2,019	7,638
1945	296,439	4,178		4,178	1,678	1,250	2,928	10,566
1946	296,439	2,644		2,644	1,394		1,394	11,960
Total		15,710		15,710	8,835	3,125	11,960	
Collected				11,960				
Uncollected				3,750				

This project is on a 39-year repayment basis.
Operation and maintenance by the Frenchtown Irrigation District.

Contracts

1935, July 11; 1936, June 26; 1937, Apr. 7; 1938, Jan. 10. Contracts with Frenchtown Irrigation District for construction of irrigation system. Estimated cost \$295,000, payable in 78 graduated semiannual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE¹

Fiscal year	Amount
Contract obligation	\$296,439
Due to June 30—1946	15,710
1947	2,500
1948	2,500
1949	5,000
1950	5,000
1951	5,000
1952	5,000
1953	5,000
1954	7,500
1955	7,500
1956	7,500
1957	7,500
1958	7,500
1959	10,750
1960	10,750
1961	10,750
1962	10,750
1963	10,750
1964	10,750
1965	10,750
1966	10,750
1967	10,750
1968	10,750
1969	10,750
1970	10,750
1971	10,750
1972	10,750
1973	10,750
1974	10,750
1975	10,750
1976	10,750
1977	10,750
1978	8,979

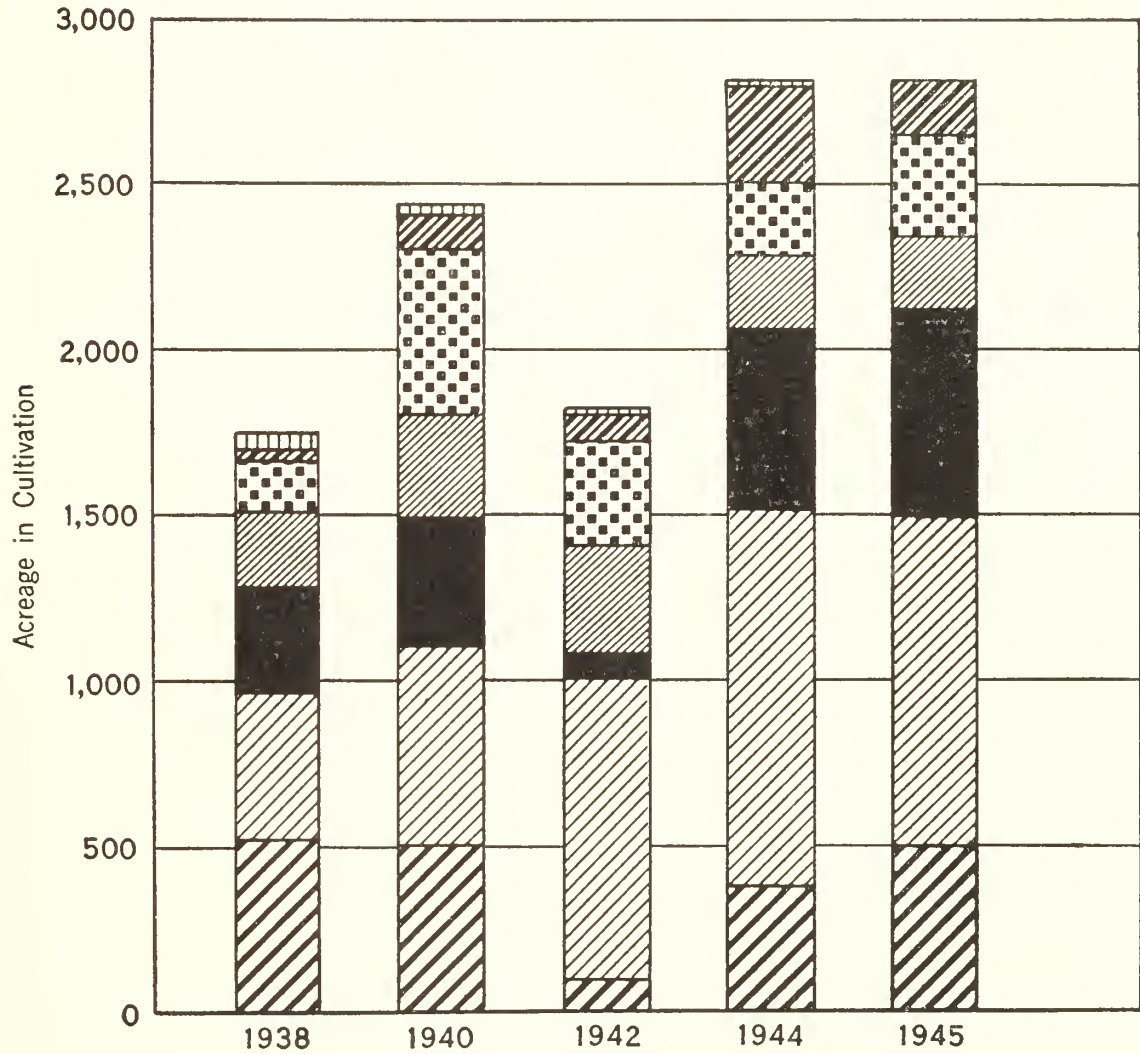
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1938	1,743	\$26,239	\$15.05
1939	1,696	40,777	24.04
1940	2,445	59,481	24.33
1941	2,154	66,946	31.08
1942	1,823	83,865	46.00
1943	2,249	130,022	57.81
1944	2,820	128,108	45.43
1945	2,807	131,740	46.93

¹ Includes Government benefit payments.

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining instalments.

Contractor: Frenchtown Irrigation District.

FRENCHTOWN PROJECT, MONTANA CROP HISTORY



- | | |
|--|--|
| <ul style="list-style-type: none"> Grains Alfalfa Soil Improvement | <ul style="list-style-type: none"> Other Hay, Forage & Pasture Sugar Beets Seed Crops Vegetables, Truck and Others |
|--|--|

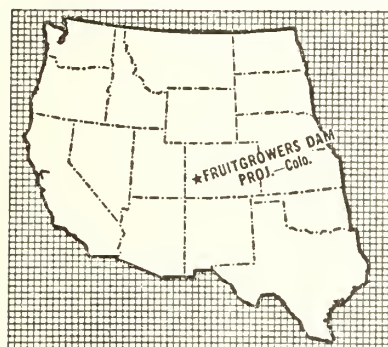
Water Service Commenced in 1937

Fruitgrowers Dam Project

Colorado . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Orchard City Irrigation District has contracted to repay the United States \$213,000 or approximately \$80 per irrigable acre, for reconstruction of the Fruitgrowers Dam. Repayment commenced in 1942 and on June 30, 1946, a total of \$12,500, or 6

percent, had become due and had all been paid. The project is operated by the Orchard City Irrigation District.

Determination of repayment obligation as of June 30, 1946:

Cost	\$200, 741
Less construction revenues	2, 500
Net	198, 241
Adjustment to be made	14, 759
Total	213, 000

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1940	\$213, 000							
1941	213, 000							
1942	213, 000	\$2, 500		\$2, 500	\$2, 500		\$2, 500	\$2, 500
1943	213, 000	2, 500		2, 500	2, 500		2, 500	5, 000
1944	213, 000	2, 500		2, 500	2, 500		2, 500	7, 500
1945	213, 000	2, 500		2, 500	2, 500		2, 500	10, 000
1946	213, 000	2, 500		2, 500	2, 500		2, 500	12, 500
Total		12, 500		12, 500	12, 500		12, 500	
Collected				12, 500				
Uncollected				0				

This project is on a 39-year repayment basis. Operation and maintenance by the Orchard City Irrigation District.

Contracts

1939, September 7. Contract with Orchard City Irrigation District for reconstruction of Fruitgrowers Dam. Estimated cost \$213,000. Payable in 39 equal annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation.....		\$213, 000
	Due to June 30—1946.....	12, 500
	1947.....	2, 500
	1948.....	2, 500
	1949.....	2, 500
	1950.....	2, 500
	1951.....	2, 500
	1952.....	6, 483
	1953.....	6, 483
	1954.....	6, 483
	1955.....	6, 483
	1956.....	6, 483
	1957.....	6, 483
	1958.....	6, 483
	1959.....	6, 483
	1960.....	6, 483
	1961.....	6, 483
	1962.....	6, 483
	1963.....	6, 483
	1964.....	6, 483
	1965.....	6, 483
	1966.....	6, 483
	1967.....	6, 483
	1968.....	6, 483
	1969.....	6, 483
	1970.....	6, 483

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

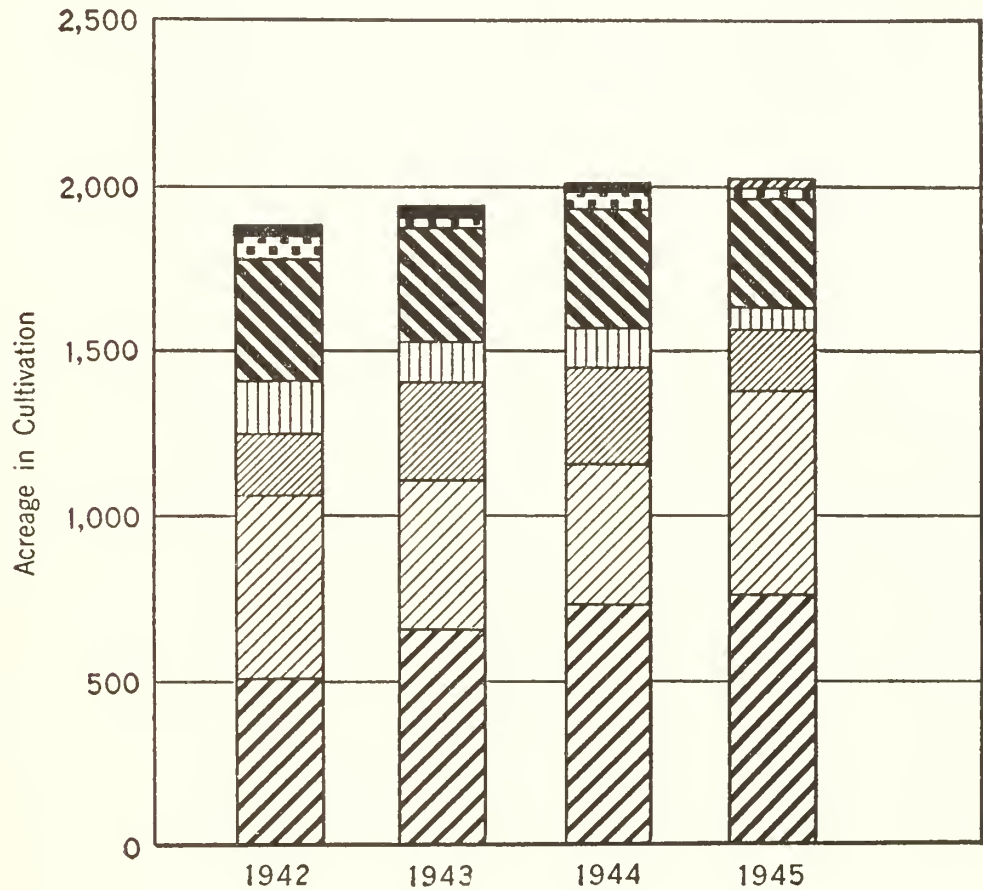
	Fiscal year	Amount
	Due to June 30—1971.....	\$6, 483
	1972.....	6, 483
	1973.....	6, 483
	1974.....	6, 483
	1975.....	6, 483
	1976.....	6, 483
	1977.....	6, 483
	1978.....	6, 483
	1979.....	6, 483
	1980.....	6, 476

Contractor: Orchard City Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1942.....	1, 889	\$120, 650	\$63. 87
1943.....	1, 946	222, 263	114. 22
1944.....	2, 015	271, 500	134. 74
1945.....	2, 022	249, 779	123. 53

¹ Includes Government benefit payments.

FRUITGROWERS DAM PROJECT, COLORADO CROP HISTORY



- | | |
|--|--|
| <ul style="list-style-type: none"> Grains Alfalfa Other Hay, Forage & Pasture Seed Crops | <ul style="list-style-type: none"> Vegetables, Truck and Others Fruits and Nuts Sugar Beets Soil Improvement |
|--|--|

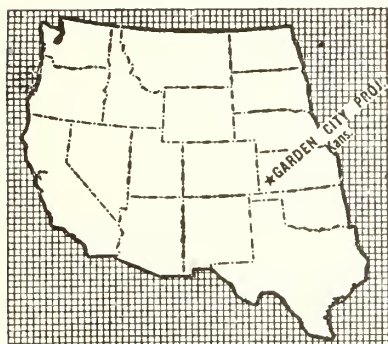
Water Service Commenced in 1939

Garden City Project

Kansas . . .

. . . Region VII

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Garden City project was authorized for construction in 1905 and irrigation water from pumping units was available in 1908 and 1909. The cost of operation and maintenance proved too high to irrigate crops in large tracts. Furthermore, sufficient rainfall to mature fair crops lessened the desire of the landowners for an irrigation system, and payment of charges as they

became due the United States was not made. The power plant at Garden City was therefore closed in 1910.

The act of June 5, 1920 (41 Stat. 1054), provided that contracts affecting lands in the Garden City project, between the Finney County Water Users' Association or individual landowners, and the Secretary of the Interior, for the supply and use of water from the irrigation plant of the United States, were cancelled and relieved, and liens upon the lands created by such contracts were released and discharged.

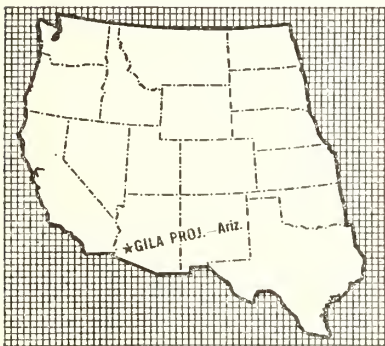
The total amount that has been charged off as a loss to the Reclamation Fund for this project is \$334,474.96.

Gila Project

Arizona . . .

. . . Region III

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Construction of an irrigation system is in progress in the vicinity of Yuma, Ariz., much of which is to serve public land. Because the land is undeveloped, an irrigation district has not been

formed and negotiation of a repayment contract in

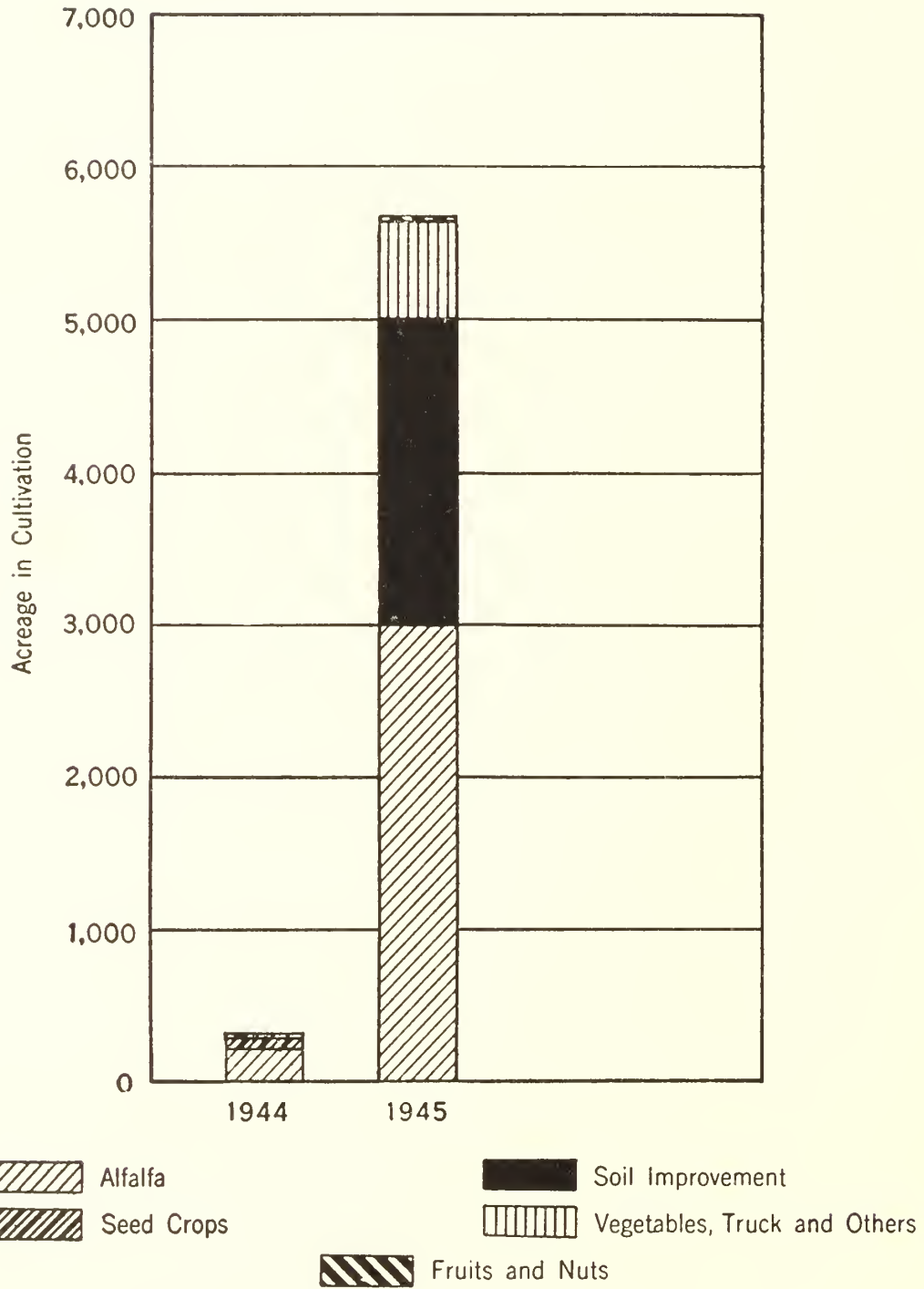
advance of construction or delivery of water is not required.

Construction has advanced to a point where irrigation is being practiced on a predevelopment tract of 8,500 acres of public land. It is planned to open an initial tract of 11,000 acres to settlement in 1947.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1944-----	320	\$17, 060	\$85. 30
1945-----	5, 673	177, 578	31. 30

¹ Includes Government benefit payments.

GILA PROJECT, ARIZONA CROP HISTORY



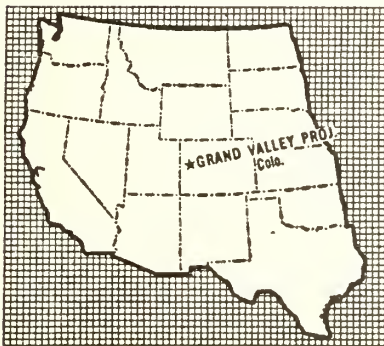
Water Service Commenced in 1944
to Predevelopment Tract

Grand Valley Project

Colorado . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Gravity Division.—The Grand Valley Water Users Association has contracted with the United States for a total of \$3,155,323, or approximately \$104 per irrigable acre, for construction of the

project, exclusive of the Orchard Mesa Division. Repayments commenced in 1927 and on June 30, 1946, a total of \$476,082, or 15 percent, had become due and had been paid.

The United States operates the Grand Valley project and on June 30, 1946, had collected a total of \$927,300 from project water users to cover the cost of operation and maintenance. Collections of water rental charges amounted to \$631,924.

A power plant was constructed on the project with funds advanced by the Public Service Co. of Colorado. The company operates the plant and pays the United States \$12,000 per year as rental, which amount is credited on construction charges due from the Association.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$4,653,721
Penalties funded	2,958
	4,656,679
Less construction revenues	689,019
	3,967,660
Less charge-off, act of May 26, 1926	812,375
Net	3,155,285
Adjustment to be made	38
Total	3,155,323

Construction Repayments ¹

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1928									
1929									
1930	\$3,074,816								
1931	3,074,816	² \$80,238		\$80,238	\$69,284		\$69,284	\$69,284	
1932	3,074,816	26,706		26,706	0	\$9,496	9,496	78,780	} Moratorium period, acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$28,374; 1932, \$33,430; 1933, \$28,120; 1934, \$26,475; 1935, \$24,482; 1936, \$17,746.
1933	3,074,251	0	³ \$26,706	³ 26,706	0		0	78,780	
1934	3,077,040	10,169		10,169	10,169	1,458	11,627	90,407	
1935	3,079,719	8,790		8,790	8,790		8,790	99,197	
1936	3,077,165	10,898		10,898	10,898		10,898	110,095	
1937	3,077,209	17,702		17,702	17,702		17,702	127,797	
1938	3,077,209	35,480		35,480	35,480		35,480	163,277	
1939	3,077,209	35,503		35,503	31,603		31,603	194,880	
1940	3,077,209	35,666		35,666	35,150	3,900	39,050	233,930	
1941	3,077,209	35,812		35,812	31,812	517	32,329	266,259	
1942	3,077,209	45,096		45,096	34,420	4,000	38,420	304,679	
1943	3,150,948	45,139	³ 10,000	35,139	35,139	676	35,815	340,494	
1944	3,150,948	45,188		45,188	40,988	10,000	50,988	391,482	
1945	3,155,323	45,188		45,188	43,611	4,200	47,811	439,293	
1946	3,155,323	35,213		35,213	35,213	1,576	36,789	476,082	
Total		512,788	³ 36,706	476,082	440,259	35,823	476,082		
Collected				476,082					
Uncollected				0					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1928	\$47,562	\$44,715	1928, Jan. 4. Contract with Grand Valley Water Users' Association. Association assumed obligation to repay construction cost of project exclusive of Orchard Mesa Division. Payable in 40 graduated installments beginning in 1927.
1929	50,438	43,285	
1930	50,000	53,000	
1931	47,500	49,500	1942, Mar. 27. Contract with Grand Valley Water Users' Association for rehabilitation of Tunnel No. 3 at an estimated cost of \$75,000. Payable in 26 equal annual installments.
1932	45,000	39,000	
1933	24,115	28,630	
1934	44,058	47,428	1945, Jan. 27. Contract with Grand Valley Water Users' Association. Unaccrued balance of obligation under 1928 contract to be paid in installments of \$32,332 for years 1945 to 1959, \$67,539.66 for years 1960 to 1970, and \$70,420.45 for years 1971 and 1972 and in addition \$2,880 is to be paid annually for 26 years for tunnel repairs.
1935	49,843	52,958	
1936	49,696	48,196	
1937	48,872	50,372	
1938	49,948	49,948	
1939	49,963	49,963	
1940	49,995	49,995	
1941	47,760	42,860	
1942	43,132	43,432	
1943	49,203	53,803	
1944	62,000	62,000	
1945	54,771	54,771	
1946	63,444	63,444	
Total	927,300	927,300	

¹ Exclusive of Orchard Mesa Division.² Accruals for calendar years 1927 to 1930, inclusive.³ Decrease. Decreases cover amounts deferred under relief acts.

This division is on a 40-year repayment basis.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amounts due from contractors	
		Grand Valley Water Users' Association	Orchard Mesa Irrigation District
Contract obligation (total \$4,156,663):			
Currently payable.....	-----	\$1, 884, 515	\$1, 001, 340
Suspended lands (temporarily unproductive) ¹	-----	1, 270, 808	0
Total amount repayable.....	-----	3, 155, 323	1, 001, 340
	Due to June 30—		
	1946-----	476, 082	284, 908
	1947-----	35, 212	29, 922
	1948-----	35, 212	29, 922
	1949-----	35, 212	29, 922
	1950-----	35, 212	29, 922
	1951-----	35, 212	29, 922
	1952-----	35, 212	29, 922
	1953-----	35, 212	29, 922
	1954-----	35, 212	29, 922
	1955-----	35, 212	29, 922
	1956-----	35, 212	29, 922
	1957-----	35, 212	29, 922
	1958-----	35, 212	29, 922
	1959-----	35, 212	29, 922
	1960-----	35, 212	29, 922
	1961-----	70, 420	29, 922
	1962-----	70, 420	29, 922
	1963-----	70, 420	29, 922
	1964-----	70, 420	29, 922
	1965-----	70, 420	29, 922
	1966-----	70, 420	29, 922
	1967-----	70, 420	26, 421
	1968-----	70, 420	23, 230
	1969-----	70, 420	23, 230
	1970-----	70, 420	15, 037
	1971-----	70, 420	20, 049
	1972-----	70, 420	10, 025
	1973-----	70, 425	-----

¹ Lands considered temporarily unproductive on which charges are not currently assessed.

Power and Irrigation Summary—Status of Repayment Account ¹

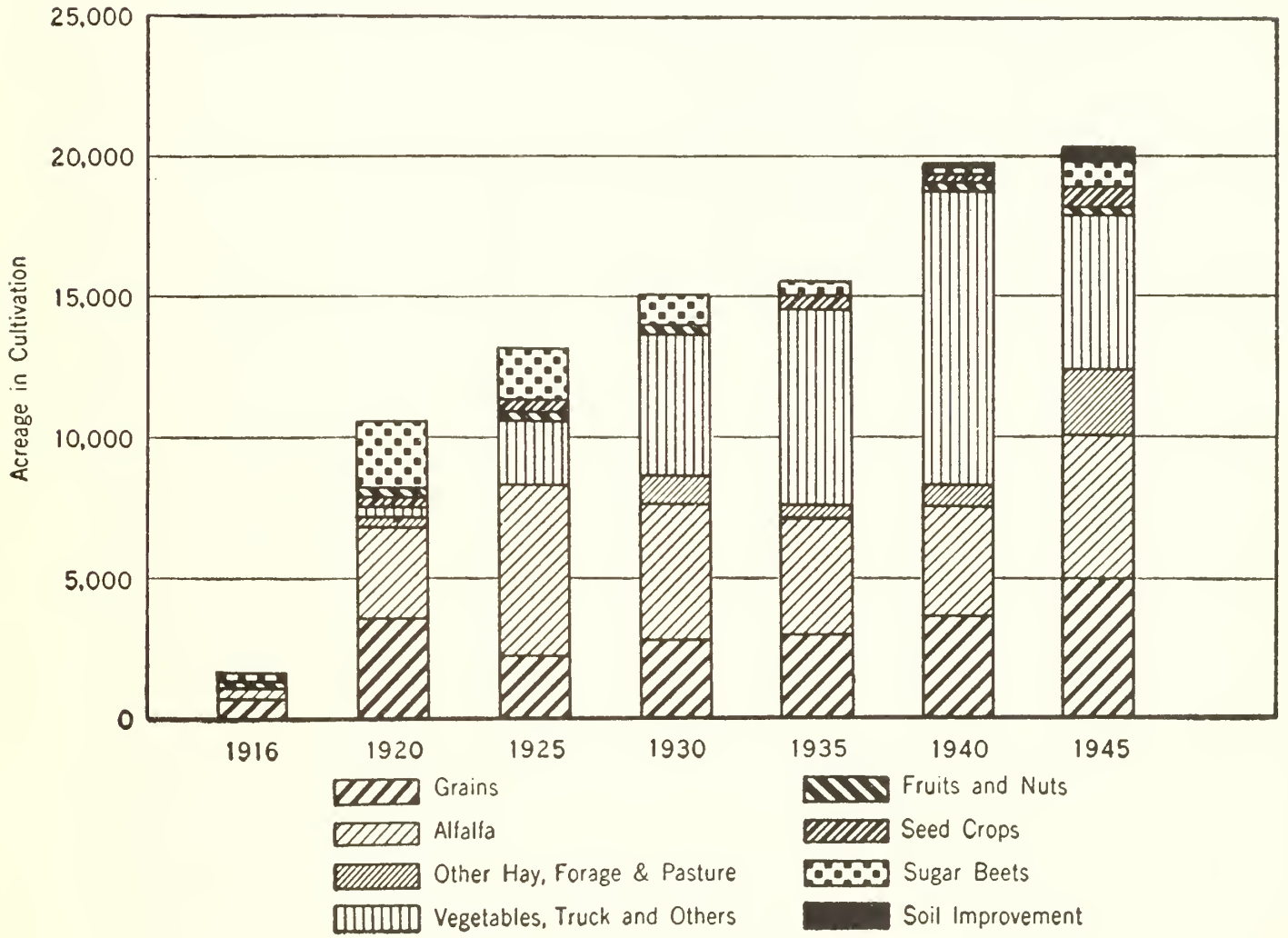
Fiscal year	Repayable	Payout schedule			Balance repay- able
	Irrigation con- tracts	Total	By water users	Power revenues applied	
1923	\$1, 000, 000				\$1, 000, 000
1928	999, 768	\$17, 224	\$17, 224		982, 544
1929	999, 768	11, 678	11, 678		970, 866
1930	4, 074, 584	15, 151	15, 151		4, 030, 531
1931	4, 074, 584	83, 725	83, 725		3, 946, 806
1932	4, 074, 584	25, 988	25, 988		3, 920, 818
1933	4, 074, 019	² 15, 000	² 15, 000		3, 935, 253
1934	4, 078, 269	11, 627	11, 627		3, 927, 876
1935	4, 082, 235	8, 790	8, 790		3, 923, 052
1936	4, 078, 480	10, 898	10, 898		3, 908, 399
1937	4, 078, 549	27, 702	23, 132	\$4, 570	3, 880, 766
1938	4, 078, 549	55, 480	36, 067	19, 413	3, 825, 286
1939	4, 078, 549	48, 852	36, 852	12, 000	3, 776, 434
1940	4, 078, 549	61, 801	49, 801	12, 000	3, 714, 633
1941	4, 078, 549	57, 329	45, 329	12, 000	3, 657, 304
1942	4, 078, 549	63, 420	51, 420	12, 000	3, 593, 884
1943	4, 152, 288	60, 815	48, 815	12, 000	3, 606, 808
1944	4, 152, 288	75, 988	63, 988	12, 000	3, 530, 820
1945	4, 156, 663	72, 811	60, 811	12, 000	3, 462, 384
1946	4, 156, 663	66, 711	54, 711	12, 000	3, 395, 673
1947	4, 156, 663	65, 134	53, 134	12, 000	3, 330, 539
1948	4, 156, 663	65, 134	53, 134	12, 000	3, 265, 405
1949	4, 156, 663	65, 134	53, 134	12, 000	3, 200, 271
1950	4, 156, 663	65, 134	53, 134	12, 000	3, 135, 137
1951	4, 156, 663	65, 134	53, 134	12, 000	3, 070, 003
1952	4, 156, 663	65, 134	53, 134	12, 000	3, 004, 869
1953	4, 156, 663	65, 134	53, 134	12, 000	2, 939, 735
1954	4, 156, 663	65, 134	53, 134	12, 000	2, 874, 601
1955	4, 156, 663	65, 134	53, 134	12, 000	2, 809, 467
1956	4, 156, 663	65, 134	53, 134	12, 000	2, 744, 333
1957	4, 156, 663	65, 134	53, 134	12, 000	2, 679, 199
1958	4, 156, 663	65, 134	53, 134	12, 000	2, 614, 065
1959	4, 156, 663	65, 134	53, 134	12, 000	2, 548, 931
1960	4, 156, 663	65, 134	46, 442	18, 692	2, 483, 797
1961	4, 156, 663	100, 342	61, 574	38, 768	2, 383, 455
1962	4, 156, 663	100, 342	61, 574	38, 768	2, 283, 113
1963	4, 156, 663	100, 342	61, 574	38, 768	2, 182, 771
1964	4, 156, 663	100, 342	61, 574	38, 768	2, 082, 429
1965	4, 156, 663	100, 342	61, 574	38, 768	1, 982, 087
1966	4, 156, 663	100, 342	61, 574	38, 768	1, 881, 745
1967	4, 156, 663	96, 841	58, 073	38, 768	1, 784, 904
1968	4, 156, 663	93, 650	54, 882	38, 768	1, 691, 254
1969	4, 156, 663	93, 650	54, 882	38, 768	1, 597, 604
1970	4, 156, 663	85, 457	46, 689	38, 768	1, 512, 147
1971	4, 156, 663	90, 469	51, 701	38, 768	1, 421, 678
1972	4, 156, 663	80, 445	41, 677	38, 768	1, 341, 233
1973	4, 156, 663	70, 425	31, 657	38, 768	1, 270, 808
Charges against class 5 lands temporarily suspended					1, 270, 808
Total		2, 885, 855	2, 087, 196	798, 659	

¹ Power plant was constructed with funds advanced by the Public Service Company of Colorado.² Loss.

GRAND VALLEY PROJECT, COLORADO

GRAVITY DIVISION

CROP HISTORY



Water Service Commenced in 1915

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1916	1,561	\$54,692	\$35.04
1917	4,523	198,960	43.99
1918	6,387	414,310	64.87
1919	8,899	570,629	64.12
1920	10,760	525,360	48.83
1921	11,390	356,730	31.32
1922	11,840	365,760	30.89
1923	12,110	560,000	46.24
1924	12,600	587,430	46.62
1925	13,110	693,320	52.88
1926	13,500	422,880	31.32
1927	12,500	447,565	35.81
1928	13,340	552,715	41.43
1929	14,435	634,985	43.99
1930	15,099	472,185	31.27
1931	15,239	378,523	24.84
1932	14,978	243,611	16.26
1933	15,175	329,972	21.74
1934	15,188	567,216	37.35
1935	15,590	452,925	29.05
1936	16,940	762,086	44.99
1937	17,983	651,836	36.25
1938	18,393	666,654	36.24
1939	19,405	563,416	29.03
1940	19,703	435,016	22.08
1941	19,670	444,384	22.59
1942	19,188	765,966	39.92
1943	19,573	1,259,654	64.36
1944	20,361	1,283,641	63.04
1945	20,124	1,306,445	64.92

¹ Includes Government benefit payments.

Orchard Mesa Division

The Orchard Mesa Irrigation District contracted to pay the United States for rehabilitation of the District's irrigation system, at a total cost of \$1,001,340, or approximately \$100 per irrigable acre. Repayments commenced on the contract in 1928 and by June 30, 1946, a total of \$284,908, or 28 percent, had become due and had been paid. This Division receives no power credits.

The Orchard Mesa Division of the project is operated by the district.

Determination of repayment obligation as of June 30, 1946:

Cost	\$999,768
Penalties funded	1,572

Total 1,001,340

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1923	\$1,000,000								
1924	1,000,000								
1925	1,000,000								
1926	1,000,000								
1927	1,000,000								
1928	999,768	\$19,995		\$19,995	\$17,224		\$17,224	\$17,224	
1929	999,768	19,995		19,995	8,906	\$2,772	11,678	28,902	
1930	999,768	19,996		19,996	4,062	11,089	15,151	44,053	
1931	999,768	19,995		19,995	0	14,441	14,441	58,494	
1932	999,768	15,000 ¹	\$19,995	14,995	15,000	1,492	16,492	74,986	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$15,937; 1932, \$15,487; 1933, \$15,037; 1934, \$15,037; 1935, \$20,049; 1936, \$10,025.
1933	999,768	0	15,000	15,000	0	15,000	15,000	59,986	
1934	1,001,229	0	0	0	0	0	0	59,986	
1935	1,002,616	0	0	0	0	0	0	59,986	
1936	1,001,315	0	0	0	0	0	0	59,986	
1937	1,001,340	10,000		10,000	10,000		10,000	69,986	
1938	1,001,340	20,000		20,000	20,000		20,000	89,986	
1939	1,001,340	20,000		20,000	17,249		17,249	107,235	
1940	1,001,340	20,000		20,000	20,000	2,751	22,751	129,986	
1941	1,001,340	25,000		25,000	25,000		25,000	154,986	
1942	1,001,340	25,000		25,000	25,000		25,000	179,986	
1943	1,001,340	25,000		25,000	25,000		25,000	204,986	
1944	1,001,340	25,000		25,000	25,000		25,000	229,986	
1945	1,001,340	25,000		25,000	25,000		25,000	254,986	
1946	1,001,340	29,922		29,922	29,922		29,922	284,908	
Total Collected		319,903	134,995	284,908	267,363	17,545	284,908		
Uncollected				0					

¹ Decrease. Decreases cover amounts deferred under relief acts.

Contracts

This division is on a 40-year payment basis. Operation and maintenance by the Orchard Mesa Irrigation District.

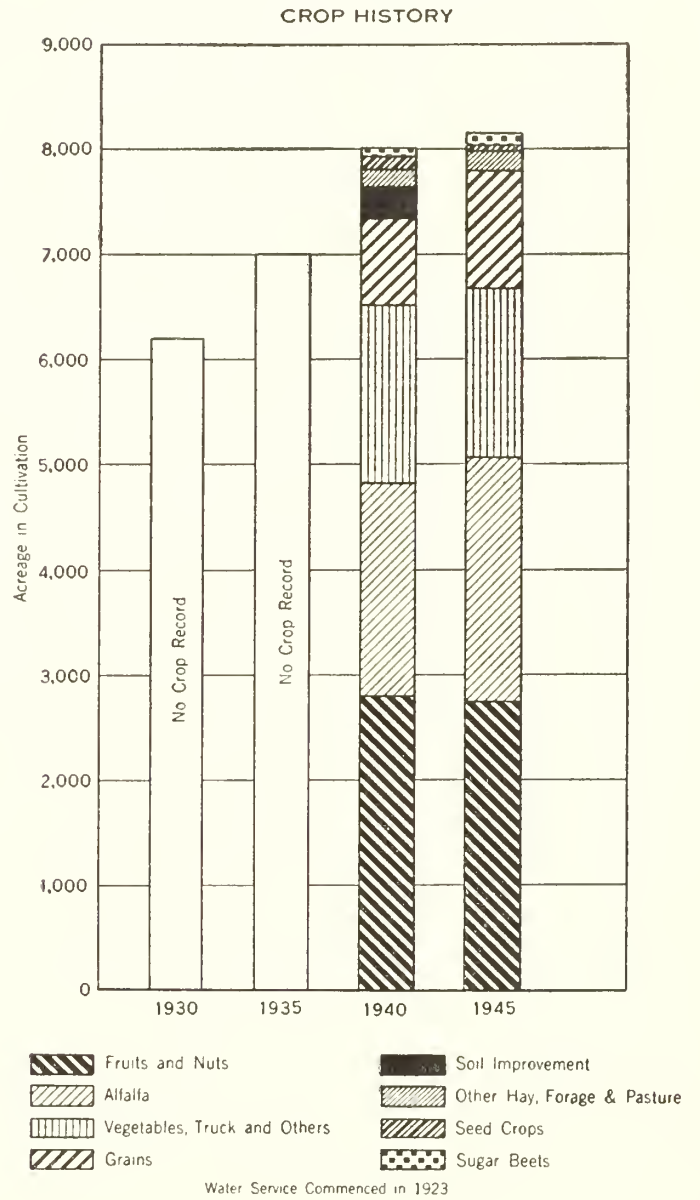
1922, Feb. 18. Contract with Orchard Mesa Irrigation District for rehabilitation of district's irrigation system at estimated cost of \$1,000,000, payable in 20 graduated annual installments.

1931, Sept. 10. Contract with Orchard Mesa Irrigation District. Extends repayment period to 40 years.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1928	6,000	\$750,000	\$125.00
1929	6,200	664,000	107.10
1930	6,200	384,000	61.94
1931	6,410	100,000	15.60
1932	6,500	110,500	17.00
1933	6,600	184,800	28.00
1934	7,198	407,279	56.58
1935	7,009	359,560	51.30
1936	7,236	892,899	123.40
1937	7,536	897,900	119.15
1938	8,000	887,200	110.90
1939	8,500	704,000	82.82
1940 ²	8,027	549,729	68.48
1941	7,890	537,646	68.14
1942	7,778	1,623,218	208.69
1943	8,137	3,422,438	420.60
1944	8,144	2,198,983	270.01
1945	8,123	2,112,388	260.05

¹ Includes Government benefit payments.
² Detailed crop census record began in 1940.

GRAND VALLEY PROJECT, COLORADO
 ORCHARD MESA DIVISION

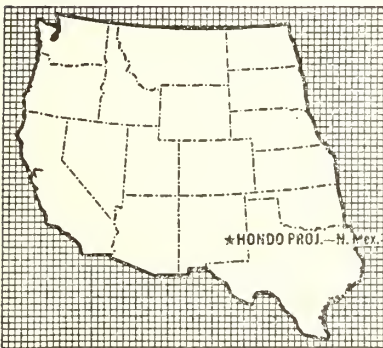


Hondo Project

New Mexico . . .

. . . Region V

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Hondo project was authorized for construction by the Bureau of Reclamation in 1904 and was completed in 1907. The project was unsuccessful because of an insufficient rainfall and the development of extensive leaks in the reservoir. On April 1, 1917, the United States withdrew its employees and ceased operation.

No water right applications were filed, no liens

established against the lands, and no repayment contract entered into.

The Hondo Irrigation Association was formed in 1921 for the purpose of taking over operation and maintenance of the Hondo project. On September 2, 1922, a contract was executed by which the United States delivered all works of the Hondo project to the Association for the purpose of operation and maintenance.

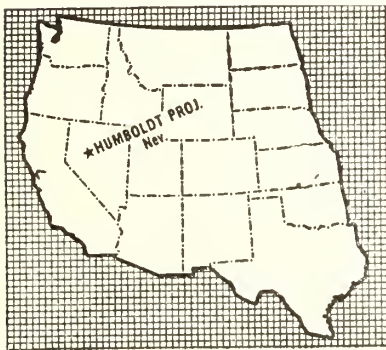
In 1924 the Committee of Special Advisers (Fact Finders Committee) recommended that the Hondo project be appraised and sold, and the losses incurred charged to the reclamation fund. A total of \$371,787.66 has been charged off as a loss.

Humboldt Project

Nevada . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The United States constructed Rye Patch Dam and Reservoir to furnish supplemental water for the Pershing County Water Conservation District. The District has contracted to repay a total of \$1,350,000 or \$36 per irrigable acre for this construction work. Repayments under this contract commenced in 1943 and to June 30, 1946, a total

of \$117,109 had become due and had all been collected and paid to the United States.

The project, including the Rye Patch Reservoir, is operated by the Pershing County Water Conservation District. The total irrigable area is 37,046 acres, which is all privately owned land.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$1, 314, 762
Less construction revenues	123, 773
Total	1, 190, 989
Adjustment to be made	159, 011
Total	1, 350, 000

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1935	\$1,500,000							
1936	1,500,000							
1937	1,500,000							
1938	1,500,000							
1939	1,500,000							
1940	1,500,000							
1941	1,500,000							
1942	¹ 1,350,000							
1943	1,350,000	\$500		\$500	\$500		\$500	\$500
1944	1,350,000	39,553		39,553	39,553		39,553	40,053
1945	1,350,000	38,528		38,528	38,528		38,528	78,581
1946	1,350,000	38,528		38,528	38,528		38,528	117,109
Total Collected		117,109		117,109	117,109		117,109	
Uncollected				0				

¹ Obligation reduced to revised estimated cost.

This project is on a 36-year repayment basis. Operation and maintenance by the Pershing County Water Conservation District.

Contract

1934, Oct. 1. Contract with Pershing County Water Conservation District for construction of Humboldt Project at estimated cost of \$1,500,000, payable in 36 equal annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$1,350,000
Due to June 30—1946		117,109
1947		38,528
1948		38,528
1949		38,528
1950		38,528
1951		38,528
1952		38,528
1953		38,528
1954		38,528
1955		38,528
1956		38,528
1957		38,528
1958		38,528
1959		38,528
1960		38,528
1961		38,528
1962		38,528
1963		38,528
1964		38,528
1965		38,528
1966		38,528
1967		38,528
1968		38,528
1969		38,528
1970		38,528

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

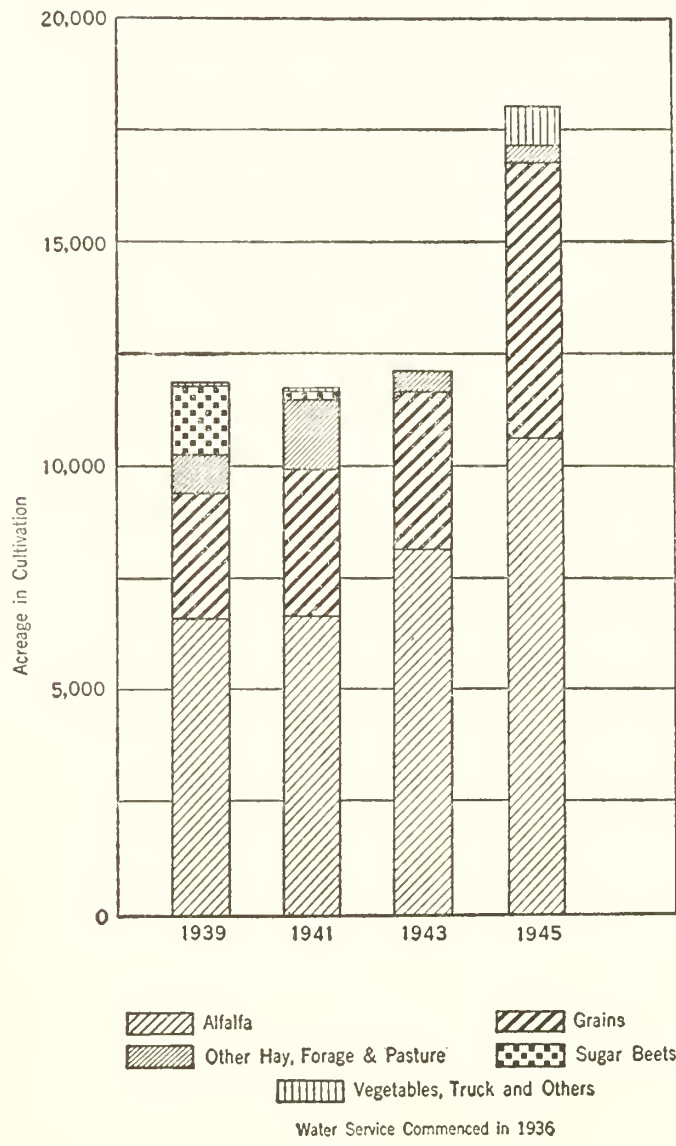
	Fiscal year	Amount
Due to June 30—1971		\$38,528
1972		38,528
1973		38,528
1974		38,528
1975		38,528
1976		38,528
1977		38,528
1978		38,528

Contractor: Pershing County Water Conservation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1939	11,874	\$411,534	\$34.66
1940	11,920	288,314	24.19
1941	11,728	383,722	32.72
1942	12,577	607,070	48.27
1943	12,139	818,369	67.42
1944	16,421	960,565	58.50
1945	17,928	1,034,666	57.71

¹ Includes Government benefit payments.

HUMBOLDT PROJECT, NEVADA CROP HISTORY

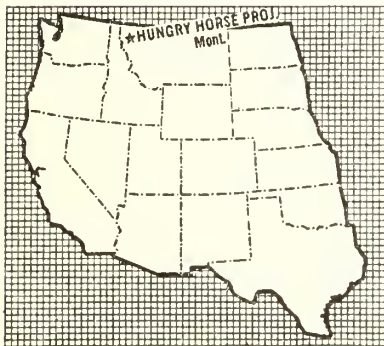


Hungry Horse Project

Montana . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

are in progress for this purpose. It is proposed to

The Hungry Horse Dam and Power Plant project was authorized by the Act of June 5, 1944 (58 Stat. 270). Additional irrigation works are yet to be authorized by a report and findings, and studies

irrigate land along the Flathead River near Kalispell which, for the most part, has been dry-farmed.

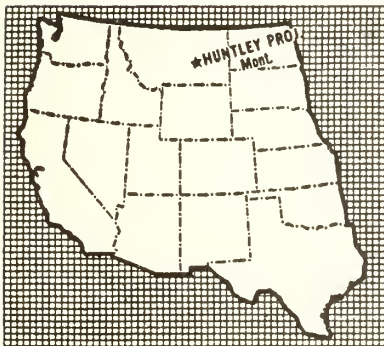
The dam will also provide protection for agricultural lands in the Flathead Lake area against floods, and will help in regulation of the Columbia River. Economic studies, design studies, and foundation exploration are in progress. Marketing of power will be accomplished by the Bonneville Power Administration. Repayment will be made in accordance with the Act of June 5, 1944.

Huntley Project

Montana . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Huntley Project Irrigation District has a total contracted debt to the United States of \$1,831,915 or an average of \$62 per irrigable acre. Repayment by individuals commenced in 1908 and on

June 30, 1946, a total of \$715,615, or 39 percent, had become due and had been paid to the United States.

The project works have been transferred to the Huntley Project Irrigation District for operation and maintenance. Prior to such transfer, a total of \$554,787 was collected from the water users

and paid to the United States for operation and maintenance and \$17,864 for water rentals.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$1,559,591
Operation and maintenance funded	361,950
Penalties funded	29,117
Total	1,950,658
Less construction revenues	27,837
Total	1,922,821
Less charge-off, act of May 26, 1926	62,050
Total	1,860,771
Adjustments to be made	28,856
Total	1,831,915

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1908		\$32,027		\$32,027	\$31,082		\$31,082	\$31,082	
1909		10,083		10,083	10,083	\$945	11,028	42,110	
1910		45,063		45,063	16,209		16,209	58,319	
1911		57,769		57,769	20,136	20,918	41,054	99,373	
1912		64,088	¹ 7,060	57,028	13,604	37,462	51,066	150,439	
1913		67,065	¹ 2,279	64,786	9,660	44,899	54,559	204,998	
1914		67,595	¹ 28,133	39,462	7,050	18,644	25,694	230,692	1914. Reclamation Extension Act of Aug. 13, 1914.
1915	\$751,109	¹ 15,626	¹ 38,143	¹ 53,769	11,704	4,237	15,941	246,633	
1916	861,164	14,996	2,275	17,271	11,387	6,375	17,762	264,395	
1917	1,248,216			11,231			10,472	274,867	
1918	1,277,356			6,301			6,891	281,758	
1919	1,310,317	68,390		13,697	64,428		14,273	296,031	
1920	1,320,393			13,914			14,178	310,209	
1921	1,332,489			23,247			18,614	328,823	
1922	1,324,280	28,504	¹ 2,404	26,100	13,849	460	14,309	343,132	
1923	1,320,616	29,034	¹ 1,317	27,717	10,196	6,302	16,498	359,630	
1924	1,314,490	29,690	¹ 4,687	25,003	13,150	4,389	17,539	377,169	
1925	1,340,449	32,319	¹ 941	31,378	16,228	2,353	18,581	395,750	
1926	1,346,195	33,731	¹ 397	33,334	18,030	10,416	28,446	424,196	
1927	1,393,941	4,590	¹ 47,061	¹ 42,471	3,110	6,893	10,003	434,199	
1928	1,390,407	5,112	¹ 4,937	175	5,112	35	5,147	439,346	
1929	² 1,790,365	87,109		87,109	87,109		87,109	526,455	
1930	1,803,806	5,466		5,466	5,466		5,466	531,921	
1931	1,823,831	9,463		9,463	9,107		9,107	541,028	
1932	1,829,729	9,130		9,130	8,932	356	9,288	550,316	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$23,735; 1932, \$27,960; 1933, \$14,293; 1934, \$14,870; 1935, \$15,262; 1936, \$7,318.
1933	1,818,663	6,450		6,450	6,340	170	6,510	556,826	
1934	1,818,682	1,018		1,018	939	138	1,077	557,903	
1935	1,825,835	1,154		1,154	1,154	79	1,233	559,136	
1936	1,832,115	1,704		1,704	1,621		1,621	560,757	
1937	1,832,853	10,907		10,907	10,659	83	10,742	571,499	
1938	1,832,853	17,344		17,344	16,553	248	16,801	588,300	
1939	1,832,853	17,692		17,692	16,887	791	17,678	605,978	
1940	1,838,409	17,337		17,337	16,482	805	17,287	623,265	
1941	1,838,409	16,478		16,478	16,079	855	16,934	640,199	
1942	1,838,409	15,788		15,788	15,611	399	16,010	656,209	
1943	1,838,409	15,705		15,705	15,649	177	15,826	672,035	
1944	1,838,409	15,034		15,034	14,952	56	15,008	687,043	
1945	1,831,915	14,035		14,035	13,974	82	14,056	701,099	
1946	1,831,915	14,455		14,455	14,455	61	14,516	715,615	
Total		850,699	¹ 135,084	715,615	546,987	168,628	715,615		
Collected				715,615					
Uncollected				0					

¹ Decrease. Decreases cover cancellations of water-right applications and funding of delinquent charges.
² Obligations increased by provisions of 1927 contract. District assumed obligation for certain costs not covered by public notices.

Operation and maintenance by the Huntley Project Irrigation District.

Public Notices and Contracts

1907, May 21. Public notice. Construction charge \$30 per acre, payable in 10 equal annual installments.
 1913, Aug. 9. Public notice. Construction charge \$50 per acre, payable in 10 graduated installments.
 1914, Nov. 3. Public notice. Construction charge \$60 per acre, payable in 20 graduated installments.
 1915, Oct. 19. Public notice. Construction charge \$60 per acre, payable in 20 graduated installments.
 1915, Dec. 23. Public notice. Covers supplemental construction for First Unit, \$15 per acre, payment in installments of \$1.80 and \$2 per acre after 20-year repayment period.

1920, June 30. Public notice. Announces that \$50 rate in public notice of Aug. 9, 1913, includes the \$15 per acre supplemental construction charge.
 1927, Jan. 2. Contract with Huntley Project Irrigation District. District assumes obligations under individual water-right applications, assumes obligation for certain costs incurred not covered by public notices, and assumes obligation for additional drainage work. Extends repayment period to 40 years. Extends time for payment of delinquent construction and operation and maintenance charges. Supplemental construction charges to be paid in 10 years after regular construction charges.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount	
		Pryor Division	Eastern and Fly Creek Division
Contract obligation (total \$1,831,915):			
Paying lands		\$1,091,503	\$185,981
Suspended lands (temporarily unproductive) ²		508,951	45,480
Total amount repayable		1,600,454	231,461
	Due to June 30—		
	1946	622,151	93,464
	1947	7,399	4,357
	1948	7,683	4,355
	1949	24,528	4,364
	1950	28,016	4,364
	1951	30,152	4,364
	1952	33,074	4,371
	1953	33,776	4,372
	1954	34,584	4,361
	1955	34,854	4,062
	1956	35,017	2,924
	1957	35,064	2,271
	1958	35,065	1,758
	1959	20,042	1,554
	1960	17,798	1,554
	1961	16,378	1,442
	1962	12,798	1,277
	1963	11,539	1,277
	1964	7,881	1,277
	1965	5,199	1,821
	1966	4,001	1,244
	1967	3,465	5,190
	1968	3,274	5,997
	1969	3,301	6,621
	1970	3,384	6,373
	1971	3,247	4,288
	1972	3,114	1,840
	1973	2,540	985
	1974	2,350	395
	1975	1,936	108
	1976	1,619	109
	1977	1,462	58
	1978	1,132	11
	1979	797	11
	1980	733	11
	1981	627	11
	1982	553	11
	1983	399	19
	1984	265	19
	1985	179	19
	1986	51	29
	1987	52	29
	1988	24	14

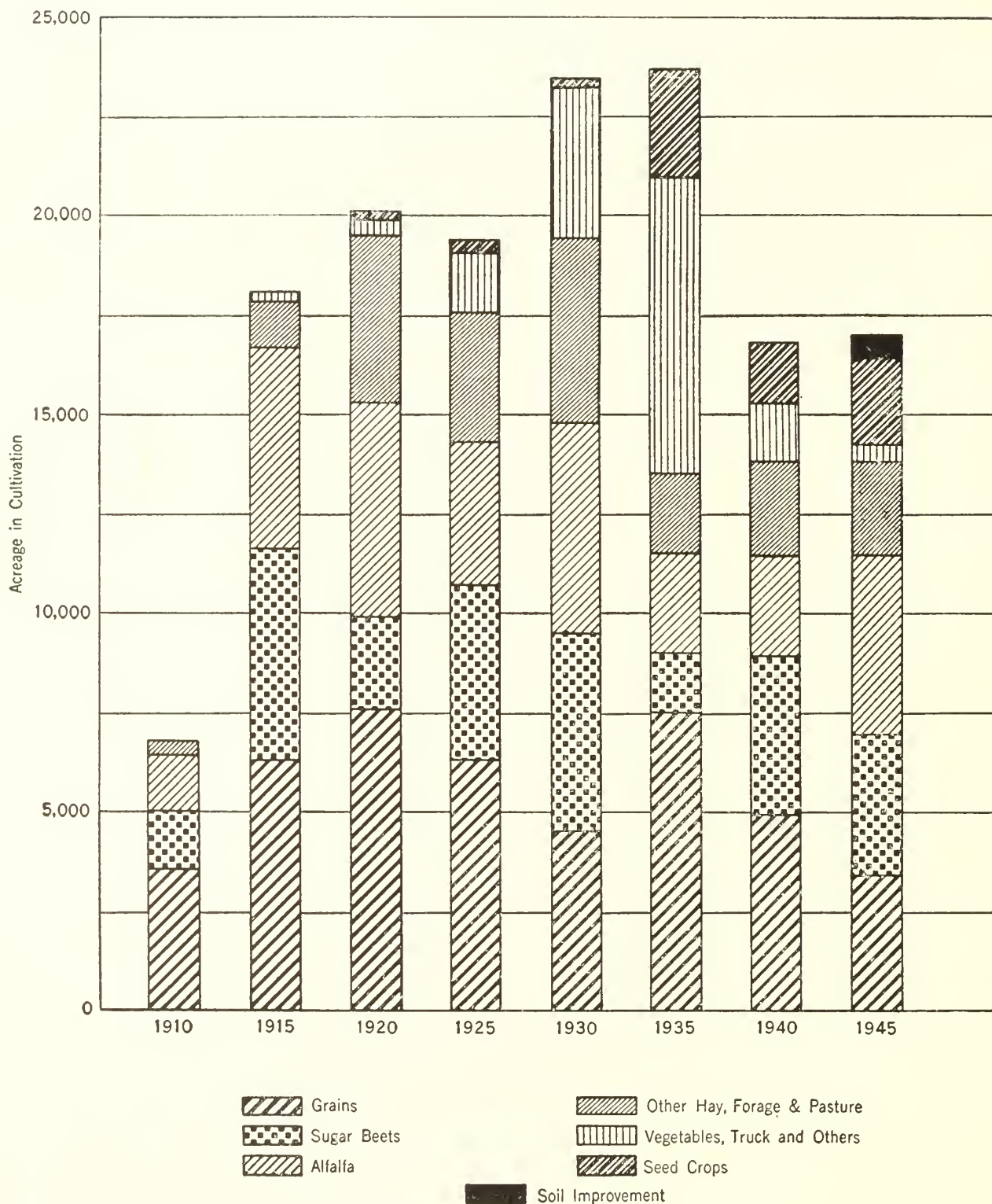
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1910 ²	8,000	\$200,000	\$25.00
1911 ²	12,000	316,758	26.40
1912	13,285	360,071	27.10
1913	15,798	464,697	29.41
1914	17,068	454,583	26.63
1915	18,185	535,363	29.44
1916	18,581	489,071	26.32
1917	19,105	690,830	36.16
1918	19,262	750,963	38.99
1919	19,310	948,968	49.14
1920	20,020	543,780	27.16
1921	18,440	440,770	23.90
1922	19,520	572,700	29.34
1923	18,780	783,850	41.74
1924	19,770	827,520	41.86
1925	19,310	744,870	38.57
1926	19,790	839,320	42.41
1927	20,440	879,280	43.02
1928	21,800	698,430	32.04
1929	23,485	1,037,150	44.16
1930	23,488	1,110,523	47.28
1931	23,129	605,018	26.16
1932	23,880	502,825	21.06
1933	24,369	734,189	30.13
1934	23,936	816,670	34.12
1935	23,728	702,840	29.62
1936	22,907	777,889	33.96
1937	16,768	723,869	43.17
1938	16,613	673,218	40.52
1939	16,533	610,183	36.91
1940	16,784	686,726	40.92
1941	16,826	695,682	41.35
1942	16,912	912,327	53.95
1943	16,925	1,135,930	67.12
1944	17,015	975,402	57.33
1945	17,012	1,020,931	60.01

¹ Includes Government benefit payments.
² Estimated.

¹ Individual water-right contracts will be paid up at varying times, the last one now scheduled for 1988.
² Lands considered temporarily unproductive on which charges are not currently assessed.

Contractor: Huntley Project Irrigation District.

HUNTLEY PROJECT, MONTANA CROP HISTORY



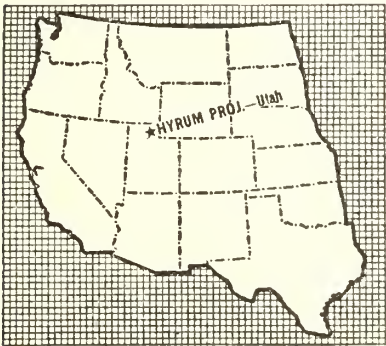
Water Service Commenced in 1908,

Hyrum Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Hyrum Dam and Reservoir have been constructed by the United States, and the South Cache Water Users' Association has contracted to repay \$930,000 for the construction work. Repayments commenced in 1940 and on June 30, 1946, a total of \$64,170 had become due, of which \$61,586 was paid. The remainder, which applies to the year 1942, has not been paid by the asso-

ciation, pending an understanding as to credit for material furnished by the association and used by the Bureau on construction.

Beginning in calendar year 1945, the construction charge instalments are computed on the "normal and percentage" plan authorized by the Reclamation Project Act of 1939.

This project is operated and maintained by the association.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$941, 885
Less construction revenues	11, 885
Total	<u>930, 000</u>

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		Current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1935	\$930,000							
1936	930,000							
1937	930,000							
1938	930,000							
1939	930,000							
1940	930,000	\$23,250		\$23,250				
1941	930,000	23,250		23,250	\$5,967		\$5,967	\$5,967
1942	930,000	9,300	¹ \$46,500	¹ 37,200	3,333		3,333	9,300
1943	930,000	9,300		9,300	6,716		6,716	16,016
1944	930,000	9,300		9,300	9,300		9,300	25,316
1945	930,000	9,300		9,300	9,300		9,300	34,616
1946	930,000	26,970		26,970	26,970		26,970	61,586
Total		110,670	¹ 46,500	64,170	61,586		61,586	
Collected				61,586				
Uncollected				2,584				

¹ Decrease. Adjustment of accruals to conform to terms of 1941 contract.

This project is on a 40-year repayment basis. Operation and maintenance by the South Cache Water Users' Association.

Contracts

1933, Oct. 9. Contract with South Cache Water Users' Association for construction of Hyrum project at estimated cost of \$930,000, payable in 40 equal annual installments.

1941, Dec. 31. Contract with South Cache Water Users' Association. This contract reschedules installments on a graduated basis within 40-year repayment period.

Repayment of Construction Investment

PAY-OUT SCHEDULE^{1,2}

	Fiscal year	Amount
Contract obligation		\$930,000
Due to June 30—1946		64,170
1947		23,250
1948		23,250
1949		23,250
1950		23,250
1951		23,250
1952		23,250
1953		23,250
1954		23,250
1955		23,250
1956		23,250
1957		23,250
1958		23,250
1959		23,250
1960		23,250
1961		23,250
1962		23,250
1963		23,250
1964		23,250
1965		23,250
1966		23,250
1967		23,250
1968		23,250
1969		23,250
1970		23,250
1971		23,250
1972		23,250
1973		27,900
1974		27,900
1975		27,900
1976		27,900
1977		27,900

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE^{1,2}

	Fiscal year	Amount
Due to June 30—1978		\$27,900
1979		32,550
1980		32,550
1981		28,830

¹ Beginning in 1945 the annual payments are based on crop returns, using the "normal and percentage" plan authorized in the Reclamation Project Act of 1939. The established "normal" is used in the above schedule.

² Schedule prepared on assumption delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

Contractor: South Cache Water Users' Association.

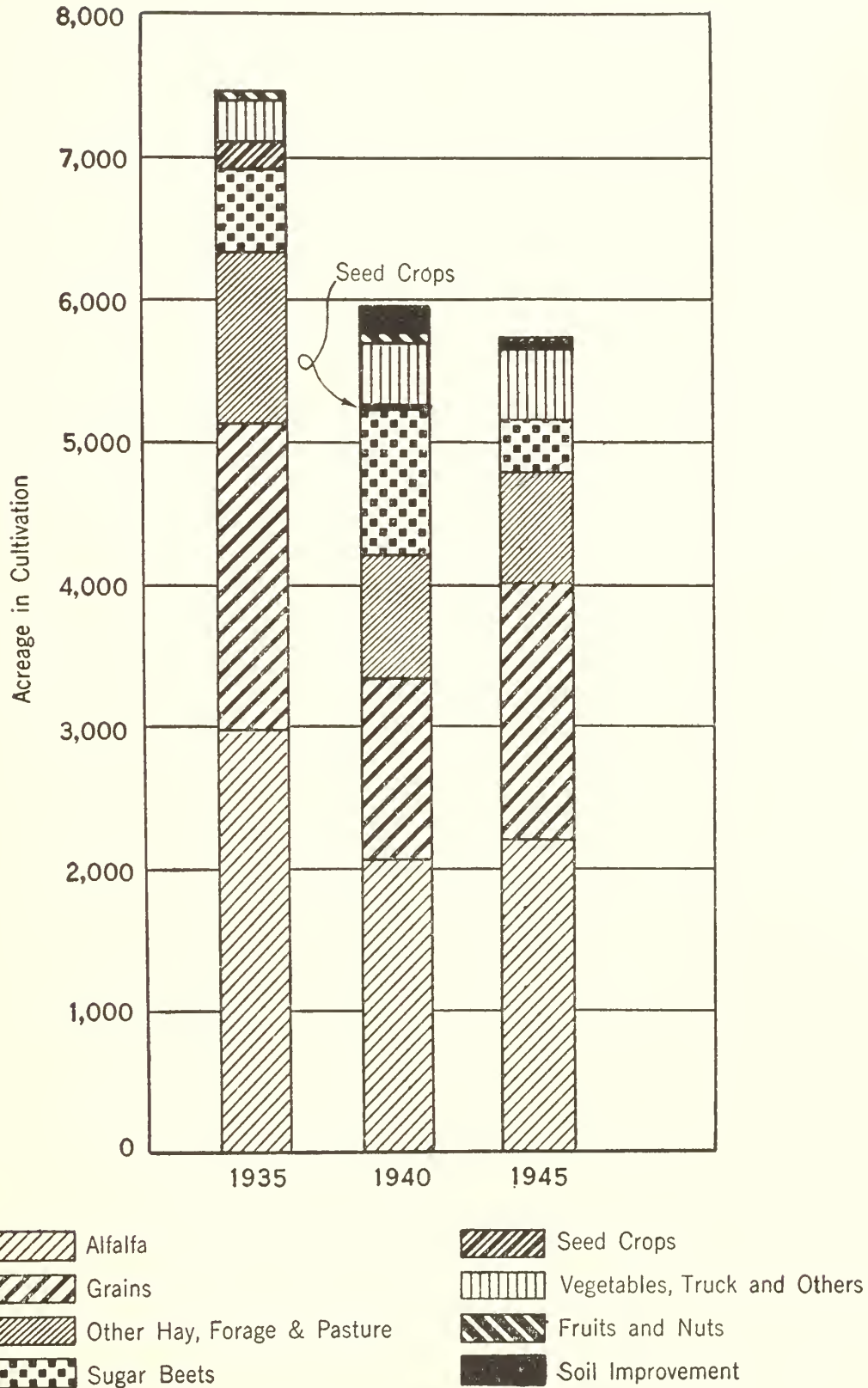
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1935 ²	7,488	\$158,986	\$21.23
1936 ²	7,488	215,827	28.82
1937	5,879	199,616	33.95
1938	5,934	207,705	35.00
1939	5,948	200,687	33.74
1940	5,945	194,909	32.79
1941	5,945	253,076	42.57
1942	5,993	308,690	51.51
1943	5,853	415,493	70.99
1944	6,089	385,646	63.33
1945	5,779	289,767	50.14

¹ Includes Government benefit payments.

² Years 1935-36. The cultivated acreage for these 2 years is considerably higher than thereafter. A study of the individual reports indicates that inaccurate reporting by the water users' association in the first 2 years caused this, principally that insufficient duplicated acreage was deducted in arriving at the net area in cultivation.

See footnotes at end of table.

HYRUM PROJECT, UTAH CROP HISTORY

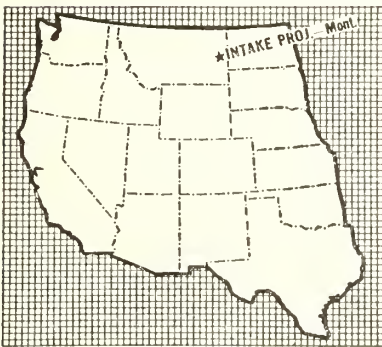


Intake Project

Montana . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Intake Irrigation District has contracted with the United States to repay \$46,900, or approximately \$55 per irrigable acre, which is the reimbursable portion of the cost of construction of irrigation

facilities, under the Water Conservation and Utilization Act. The project, including 840 acres of irrigable land, was substantially completed in 1945 and water was turned into the canal system in 1946 for priming purposes.

Although determination has not yet been definitely made, it is assumed that notice will be issued, establishing 1947-50 as a 4-year development period, in accordance with the contract dated March 30, 1945, and that the initial installment of construction charges will become due in the fiscal year 1952.

The Board of Control of the Lower Yellowstone project will operate and maintain the Intake project works, first for the United States during the development period, and later as the operating agent for the Intake Irrigation District. Water users will pay their operation and maintenance and construction charges to the district, which will act as agent for the United States.

Repayment of Construction Investment
 PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$46,900
	1952	235
	1953	465
	1954	675
	1955	865
	1956	1,225
	1957	1,241
	1958	1,241
	1959	1,241
	1960	1,241
	1961	1,241
	1962	1,241
	1963	1,241
	1964	1,241
	1965	1,241
	1966	1,241
	1967	1,241
	1968	1,241
	1969	1,241
	1970	1,241
	1971	1,241
	1972	1,241
	1973	1,241
	1974	1,241
	1975	1,241
	1976	1,241
	1977	1,241
	1978	1,241
	1979	1,241
	1980	1,241
	1981	1,241
	1982	1,241
	1983	1,241
	1984	1,241
	1985	1,241
	1986	1,241
	1987	1,241
	1988	1,241
	1989	1,241
	1990	1,241
	1991	1,241

Contractor: Intake Irrigation District.

Kendrick Project

Wyoming . . .

. . . Region VII

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Casper-Alcova Irrigation District has contracted to repay \$2,800,000, or \$80 per acre, which is the reimbursable portion of the cost of the first unit of the Kendrick project. Construction costs cover both storage works and an irrigation system.

The total cost of the irrigation system is estimated to be \$12,958,000. The cost in excess of

the amount to be repaid by the water users (\$2,800,000) will be reimbursed from net power revenues.

The estimated cost allocated to power features of the project is \$8,487,000. To June 30, 1946, a total of \$1,732,791 had been applied to the repayment of this investment from net earnings.

Initial irrigation service from the project system for approximately 5,000 acres began in 1946 and a notice of water rental charges was issued early in the spring. Repayment of construction charges by the water users has not begun.

The United States is operating the project.

Power and Irrigation Summary—Status of Repayment Account ¹

Fiscal year	Repayable			Pay-out schedule			Balance repayable
	Total	Cost allocated to—		Total	Irrigation contract ²	Power revenues	
		Irrigation	Power				
1940	\$16,986,189	\$10,903,650	\$6,082,539	\$61,814		\$61,814	\$16,924,375
1941	17,713,654	11,434,795	6,278,859	103,213		103,213	17,548,627
1942	18,044,712	11,723,765	6,320,947	212,260		212,260	17,667,425
1943	18,121,703	11,725,401	6,396,302	178,592		178,592	17,565,824
1944	18,159,582	11,762,730	6,396,852	356,155		356,155	17,247,548
1945	18,209,568	11,763,553	6,446,015	333,243		333,243	16,964,291
1946	18,263,800	11,807,366	6,456,434	487,514		487,514	16,531,009
1947	19,403,766	12,029,875	7,373,891	360,300		360,300	17,310,675
1948	20,824,935	12,348,000	8,476,935	344,400		344,400	18,387,444
1949	21,370,000	12,883,000	8,487,000	342,300		342,300	18,590,209
1950	21,445,000	12,958,000	8,487,000	342,300		342,300	18,322,909
1951	21,445,000	12,958,000	8,487,000	342,300		342,300	17,980,609
1952	21,445,000	12,958,000	8,487,000	442,300	\$70,000	372,300	17,538,309
1953	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	17,096,009
1954	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	16,653,709
1955	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	16,211,409
1956	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	15,769,109
1957	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	15,326,809
1958	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	14,884,509
1959	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	14,442,209
1960	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	13,999,909
1961	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	13,557,609
1962	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	13,115,309
1963	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	12,673,009
1964	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	12,230,709
1965	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	11,788,409
1966	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	11,346,109
1967	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	10,903,809
1968	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	10,461,509
1969	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	10,019,209
1970	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	9,576,909
1971	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	9,134,609
1972	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	8,692,309
1973	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	8,250,009
1974	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	7,807,709
1975	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	7,365,409
1976	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	6,923,109
1977	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	6,480,809
1978	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	6,038,509
1979	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	5,596,209
1980	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	5,153,909
1981	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	4,711,609
1982	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	4,269,309
1983	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	3,827,009
1984	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	3,384,709
1985	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	2,942,409
1986	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	2,500,109
1987	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	2,057,809
1988	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	1,615,509
1989	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	1,173,209
1990	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	730,909
1991	21,445,000	12,958,000	8,487,000	442,300	70,000	372,300	288,609
1992	21,445,000	12,958,000	8,487,000	288,609		288,609	0
Total				21,445,000	2,800,000	18,645,000	

¹ By the terms of the contract accepted by the district, construction charges amounting to \$80 per irrigable acre are to be repaid in 40 years without interest. Present indications are that not over 20,000 acres of classes 1, 2, 3, and 5 lands are irrigable in the first stage with a probable maximum of 40,000 acres in the total development. Under these conditions the total repayment from the water users would be \$1,600,000. The remaining \$1,200,000 of construction costs would be returned in power revenues.

² Scheduled on an assumed date for commencement.

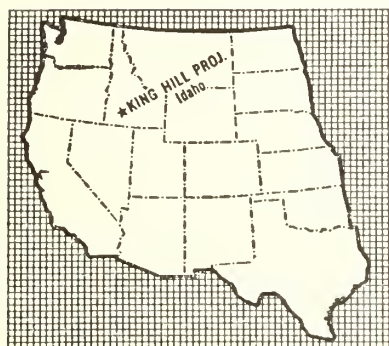
In this schedule, the full cost of the project is assumed to be repayable by irrigation and power, with the contracted amount of \$2,800,000 to be paid by the water users. In the schedule, separately published, based on amortization of all investment allocated to power with 3 percent interest in 50 years and application of the interest component to repayment of irrigation costs, only \$1,600,000 is assumed to be paid by the water users and \$1,062,000 of the cost is allocated to downstream beneficiaries.

King Hill Project

Idaho . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The King Hill project was promoted under the Carey Act in 1908, but was not a success. In 1917 the Bureau of Reclamation undertook repair and reconstruction work on the irrigation system of the project, as a war measure to increase crop production. The King Hill Irrigation District contracted with the United States to repay a total obligation of \$2,000,000, but was subsequently unable to make payments.

The project was difficult and costly to operate, the soils were low in fertility, and the farmers were not prosperous. The District took over operation and maintenance in 1926 but was unable to collect sufficient money to keep the system in repair. In 1929 a committee which made an

economic survey of certain reclamation projects concluded that the King Hill project was an insolvent enterprise and recommended that no further expenditures be made and that the entire indebtedness owing by the King Hill Irrigation District to the United States be written off.

The act of June 18, 1934 (48 Stat. 980), authorized the Secretary of the Interior to enter into a contract with the King Hill Irrigation District, by which the district and the United States would rescind previous agreements and be released from all obligations, and the United States would convey to the district all of its interest in the King Hill project, including water rights and any real estate acquired or held.

The United States entered into such a contract on September 28, 1934, with the King Hill Irrigation District. The amount of \$1,987,854.04 has been charged off as a loss to the Reclamation Fund.

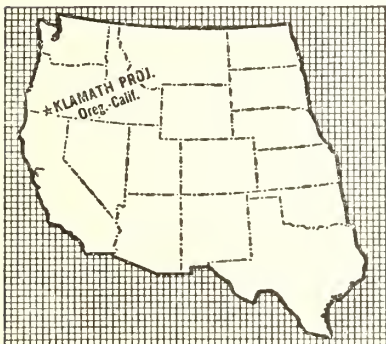
The King Hill Irrigation District is now operating the area as a private project.

Klamath Project

Oregon-California . . .

. . . Region II

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Langell Valley Division.—The United States has constructed irrigation works, including Clear Lake and Gerber Reservoirs for the irrigation of lands in the Horsefly Irrigation District and the Langell Valley Irrigation District.

The districts, which comprise the Langell Valley Division, have contracted to repay a total of \$926,262. Repayments began in 1928 and as of June 30, 1946, \$128,774, or 14 percent, had become due and \$122,986 had been paid. The unpaid balance of \$5,788 was paid in July.

Moratoriums have extended the original repayment period to 1979.

The districts operate the distribution systems. The United States operate the reservoirs and \$30,052 has been collected from the districts for their operation and maintenance. Water rental collections have amounted to \$15,921.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$930,823
Less construction revenues	7,532
Total	923,291
Penalty funded	947
Net	924,238
Adjustment to be made	2,024
Total	926,262

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks	
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total			
1923	\$474,000									
1924	1,174,000									
1925	1,204,400									
1926	1,204,400									
1927	1,204,400									
1928	938,094	\$4,969		\$4,969	\$2,658		\$2,658	\$2,658		
1929	938,094	9,215		9,215	2,982	\$2,312	5,294	7,952		
1930	938,094	8,492		8,492	0	6,233	6,233	14,185		
1931	938,094	8,491		8,491	0	4,042	4,042	18,227		
1932	955,426	7,693		7,693	0	2,712	2,712	20,939		
1933	955,731	2,672	² \$18,221	² 15,549	668		668	21,607	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1930, \$5,121; 1931, \$4,328; 1932, \$3,954; 1933, \$9,335; 1934, \$3,941; 1935, \$3,522; 1936, \$2,366. 1937, \$4,461 under Act of Aug 21, 1937.	
1934	926,587	327	² 2,043	² 1,716	160	² 339	² 179	21,428		
1935	927,778	5,879		5,879	144	1,403	1,547	22,975		
1936	926,262	444	² 3,183	² 2,739	444	1,316	1,760	24,735		
1937	926,262	7,988		7,988	7,042		7,042	31,777		
1938	926,262	8,921	² 3,776	5,145	5,145	946	6,091	37,868		
1939	926,262	8,921	² 685	8,236	8,921	² 685	8,236	46,104		
1940	926,262	8,921		8,921	8,921		8,921	55,025		
1941	926,262	9,999		9,999	9,999		9,999	65,024		
1942	926,262	11,927		11,927	11,927		11,927	76,951		
1943	926,262	12,776		12,776	12,776		12,776	89,727		
1944	926,262	12,777		12,777	12,777		12,777	102,504		
1945	926,262	12,776		12,776	7,443		7,443	109,947		
1946	926,262	13,494		13,494	7,706	5,333	13,039	122,986		
Total		156,682	² 27,908	128,774	99,713	23,273	122,986			
Collected				122,986						
Uncollected				5,788						

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1923			1922, Mar. 27. Contract with Horsefly Irrigation District and Langell Valley Irrigation District for construction of irrigation system for lands in Langell Valley. Estimated cost, \$474,000, payable in 40 semiannual graduated installments.
1924			
1925			
1926			
1927			1923, June 18. Contract with Langell Valley Irrigation District for construction of Gerber Reservoir and additional irrigation works at estimated cost of \$700,000, payable in 40-semiannual graduated installments.
1928	\$643	\$643	1927, July 1. Contract with Langell Valley Irrigation District. Extended repayment period to 40 years and provided for expenditure of \$60,000 for drainage.
1929	1,389	1,389	1929, May 7. Contract with Horsefly Irrigation District extending repayment period to 39 years.
1930	1,657	1,657	1931, Apr. 13. Contract with Horsefly Irrigation District and Langell Valley Irrigation District. Contract provides for dredging Clear Lake channel and construction of Dry Lake pumping plant.
1931	1,624	1,624	
1932	1,760	1,760	
1933	1,565	1,565	
1934	1,678	1,678	
1935	843	843	
1936	1,163	1,163	
1937	1,231	1,231	
1938	1,140	1,140	
1939	1,604	1,604	
1940	1,880	1,880	
1941	1,750	1,750	
1942	1,625	1,625	
1943	1,650	1,650	
1944	1,925	1,925	
1945	2,275	2,275	
1946	2,650	2,650	
Total	30,052	30,052	

¹ Decrease in obligation due to adjustment of estimated cost to actual cost.
² Decrease. Decreases are due to deferment of charges under the relief acts.
 This division is on a 40-year repayment basis.

Repayment of Construction Investment
PAY-OUT SCHEDULE ¹

Main
Division

The Klamath Irrigation District has a contract obligation of \$2,172,767 to repay the United States. Repayments began in 1909. As a result of the passage of the Omnibus Adjustment Act in 1926, the District's obligation was rescheduled in a contract providing for payment over a 40-year period, replacing the individual water right applications. A total of \$1,385,539, or 64 percent, had become due at the close of fiscal year 1946 and \$1,354,545 had been paid. The unpaid balance of \$30,994 has been paid since June 30, 1946.

The project is operated by the United States with funds advanced by the water users.

Total collections for operation and maintenance have amounted to \$1,836,722, and an additional \$109,216 has been collected for water rentals.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$2, 151, 419
Operation and maintenance funded	65, 166
Interest funded	15, 444
Total	2, 232, 029
Less construction revenues	80, 617
Total	2, 151, 412
Less charge-off, act of May 26, 1926	7, 500
Net	2, 143, 912
Adjustment to be made	28, 855
Total	2, 172, 767

	Fiscal year	Amounts due from contractors	
		Langell Valley irrigation district	Horsefly irrigation district
Contract obligation (total \$926,262):			
Paying lands-----		\$578, 037	\$97, 931
Suspended lands (temporarily unproductive)-----		250, 294	-----
Total amount repayable-----		828, 331	97, 931
	Due to June 30--		
	1946-----	112, 741	16, 033
	1947-----	15, 305	2, 400
	1948-----	14, 745	2, 400
	1949-----	15, 004	2, 600
	1950-----	15, 004	2, 800
	1951-----	15, 004	2, 800
	1952-----	16, 340	2, 800
	1953-----	17, 676	3, 000
	1954-----	17, 676	3, 200
	1955-----	17, 676	3, 200
	1956-----	17, 676	3, 200
	1957-----	17, 936	3, 900
	1958-----	18, 195	4, 600
	1959-----	18, 195	4, 600
	1960-----	18, 195	4, 600
	1961-----	18, 195	4, 600
	1962-----	19, 273	4, 600
	1963-----	20, 609	4, 600
	1964-----	20, 868	4, 600
	1965-----	20, 868	4, 600
	1966-----	20, 868	4, 600
	1967-----	20, 868	4, 605
	1968-----	19, 532	2, 874
	1969-----	18, 194	569
	1970-----	10, 790	150
	1971-----	10, 302	-----
	1972-----	3, 625	-----
	1973-----	3, 884	-----
	1974-----	4, 144	-----
	1975-----	4, 144	-----
	1976-----	4, 144	-----
	1977-----	4, 144	-----
	1978-----	4, 144	-----
	1979-----	2, 073	-----

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1909		\$82,653		\$82,653	\$165		\$165	\$165	
1910		61,979		61,979		\$65,449	65,449	65,614	
1911		83,594		83,594	677	73,939	74,616	140,230	
1912		79,301		79,301	282	66,128	66,410	206,640	
1913		71,823		71,823	984	48,123	49,107	255,747	
1914		74,157	¹ \$59,938	14,219	2,131	6,178	8,309	264,056	1914. Reclamation Extension Act of Aug. 13, 1914, delinquent charges funded.
1915	\$788,374	2,871	¹ 114,300	¹ 111,429	119	12,777	12,896	276,952	
1916	790,171	14,953	¹ 2,522	12,431	10,911	2,348	13,259	290,211	
1917	² 1,364,127			8,699			10,468	300,679	
1918	1,584,281			39,376			39,991	340,670	
1919	1,640,166	154,856		30,400	118,951		10,397	351,067	
1920	1,643,837			35,972			33,890	384,957	
1921	³ 1,818,438			40,409			24,205	409,162	
1922	1,820,743	23,680		23,680	17,542	22,737	40,279	449,441	
1923	1,876,002	52,937	¹ 291	52,646	26,635	22,199	48,834	498,275	
1924	1,862,904	54,992	¹ 6,500	48,492	26,274	20,848	47,122	545,397	
1925	1,862,861	57,115	12	57,127	29,042	28,731	57,773	603,170	
1926	1,864,235	58,052	¹ 1,456	56,596	15,483	26,731	42,214	645,384	
1927	1,867,509	39,352	¹ 9,601	29,751	29,231	32,986	62,217	707,601	
1928	1,859,905	36,886	¹ 6,616	30,270	16,108	3,500	19,608	727,209	
1929	1,853,249	36,421	¹ 1,584	34,837	1,515	13,955	15,470	742,679	
1930	⁴ 2,152,209	36,299	¹ 240	36,059	2,103	39,905	42,008	784,687	
1931	2,146,303	36,137		36,137	1,280	17,511	18,791	803,478	
1932	2,216,607	2,431	¹ 44,757	¹ 42,326	1,494	6,723	8,217	811,695	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935 and Apr. 14, 1936. Construction charges deferred for calendar years 1930, \$68,135; 1931, \$54,733; 1932, \$28,118; 1933, \$27,155; 1934, \$26,661; 1935, \$26,638; 1936, \$13,376.
1933	2,206,614	715	¹ 4,042	¹ 3,327	627	¹ 2,989	¹ 2,362	809,333	
1934	2,207,407	127	¹ 1,165	¹ 1,038	105	¹ 1,130	¹ 1,025	808,308	
1935	2,209,209	11,413	142	11,555	3,944	7,618	11,562	819,870	
1936	2,206,738	890	50	940	801	50	851	820,721	
1937	2,173,665	34,716	¹ 17,895	16,821	14,083	¹ 17,828	¹ 3,745	816,976	
1938	2,173,665	51,949		51,949	21,172	21,003	42,175	859,151	
1939	2,171,871	61,369		61,369	30,741	30,769	61,510	920,661	
1940	2,171,871	61,335		61,335	49,578	30,526	80,104	1,000,765	
1941	2,172,767	61,286		61,286	30,677	11,798	42,475	1,043,240	
1942	2,172,767	61,740		61,740	48,810	30,710	79,520	1,122,760	
1943	2,172,767	62,555		62,555	49,644	12,924	62,568	1,185,328	
1944	2,172,767	62,586		62,586	55,430	12,652	68,082	1,253,410	
1945	2,172,767	62,582		62,582	57,935	7,146	65,081	1,318,491	
1946	2,172,767	62,490		62,490	31,451	4,603	36,054	1,354,545	
Total		1,656,242	¹ 270,703	1,385,539	695,925	658,620	1,354,545		
Collected				1,354,545					
Uncollected				30,994					

See footnotes at end of table.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1909.....	\$21, 506	\$14, 534	1908, Nov. 18. Public notice. Construction charge \$30 per acre, payable in 10 equal annual installments.
1910.....	16, 405	22, 334	1915, Sept. 15. Public notice. Supplemental construction covering drainage work. \$12.50 per acre payable additional installments after 20-year repayment period.
1911.....	23, 089	22, 740	1917, Feb. 12. Public notice for Second Unit. Construction charge \$30 per acre, payable in 20 graduated annual installments.
1912.....	20, 534	19, 495	1917, Mar. 31. Public notice for Third Unit. Construction charge \$39 and \$45 per acre payable in 20 graduated annual installments.
1913.....	19, 448	4, 725	1918, July 16. Contract with Klamath Irrigation District. District assumed obligations under individual water-right applications.
1914.....	18, 417	31, 247	1920, June 28. Contract with Klamath Irrigation District. Supplemental construction covering concrete lining of the "C" canal, cost \$175,000, payable in four semiannual installments, beginning in 1937 (for lands outside Unit 1) and 1941 (for lands within Unit 1).
1915.....	¹ 1, 357	1, 366	1922, Sept. 29. Public notice for Tule Lake Division. Construction charge \$90 per acre payable in 20 graduated annual installments.
1916.....	31, 685	27, 628	1927, June 25. Contract with Klamath Irrigation District extending repayment period to 40 years.
1917.....	27, 412	28, 328	1928, Nov. 24. Contract with Klamath Irrigation District for construction of drainage works at estimated cost of \$300,000, payable in semiannual installments, 1938 to 1956.
1918.....	30, 805	29, 562	
1919.....	46, 938	41, 383	
1920.....	52, 049	32, 531	
1921.....	82, 854	30, 992	
1922.....	37, 643	82, 764	
1923.....	63, 187	49, 923	
1924.....	52, 633	75, 713	
1925.....	60, 054	55, 567	
1926.....	66, 856	57, 767	
1927.....	¹ 11, 845	38, 958	
1928.....	92, 137	42, 357	
1929.....	118, 413	118, 376	
1930.....	110, 757	110, 938	
1931.....	77, 385	77, 407	
1932.....	10, 922	50, 833	
1933.....	49, 349	49, 720	
1934.....	40, 846	40, 912	
1935.....	43, 872	43, 894	
1936.....	44, 072	43, 975	
1937.....	25, 923	25, 918	
1938.....	52, 779	52, 815	
1939.....	54, 972	54, 961	
1940.....	54, 072	54, 074	
1941.....	53, 170	53, 163	
1942.....	53, 174	53, 242	
1943.....	60, 555	60, 528	
1944.....	71, 165	71, 156	
1945.....	78, 435	78, 223	
1946.....	86, 485	86, 673	
Total.....	1, 836, 796	1, 836, 722	

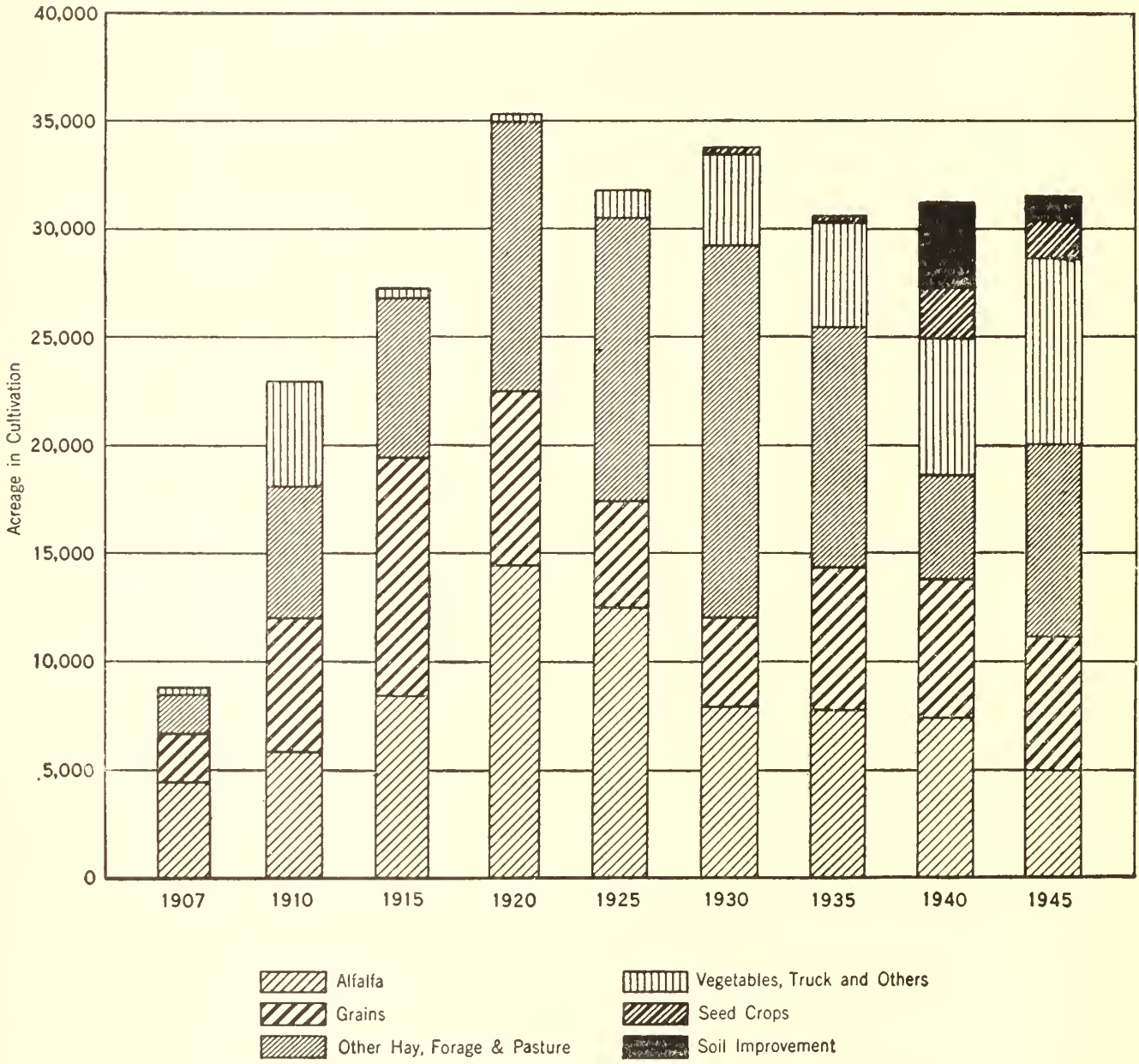
¹ Decrease. Decreases are due to cancellation of water-right applications and to funding of delinquent charges.

² Increase of obligation due to opening of second and third units.

³ Increase of obligation due to 1920 contract.

⁴ Increase of obligation due to 1928 contract.

KLAMATH PROJECT, OREGON-CALIFORNIA
MAIN DIVISION
CROP HISTORY



Water Service Commenced in 1907

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands		\$2, 018, 516
Suspended lands (temporarily un- productive)		154, 251
Total amount repayable		2, 172, 767
	Due to June 30—1946	1, 385, 539
	1947	62, 484
	1948	62, 041
	1949	48, 564
	1950	41, 514
	1951	41, 514
	1952	41, 514
	1953	41, 514
	1954	41, 514
	1955	41, 510
	1956	41, 441
	1957	32, 641
	1958	23, 576
	1959	23, 605
	1960	22, 748
	1961	21, 928
	1962	16, 138
	1963	11, 747
	1964	11, 776
	1965	1, 934
	1966	1, 634
	1967	1, 640

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

Contractor: Klamath Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1907 ²	8, 900	\$147, 760	\$16. 60
1908 ²	9, 872	164, 600	16. 67
1909 ²	21, 620	327, 220	15. 14
1910 ²	27, 108	318, 160	11. 74
1911 ²	23, 869	338, 212	14. 17
1912	23, 834	385, 065	16. 16
1913	18, 928	288, 189	15. 23
1914	24, 440	347, 344	14. 21
1915	27, 254	377, 488	13. 85
1916	29, 351	509, 865	17. 37
1917	32, 929	847, 200	25. 73
1918	32, 127	929, 131	28. 92
1919	32, 688	859, 805	26. 30
1920	35, 260	904, 500	25. 65
1921	32, 720	431, 950	13. 20
1922	32, 950	537, 140	16. 30
1923	32, 920	512, 760	15. 58
1924	31, 520	762, 890	24. 20
1925	31, 847	633, 263	19. 88
1926	34, 880	834, 590	23. 93
1927	34, 750	1, 072, 300	30. 86
1928	36, 610	1, 041, 590	28. 45
1929	33, 975	1, 447, 160	42. 59
1930	33, 471	1, 328, 049	39. 68
1931	33, 303	825, 945	24. 80
1932	31, 940	524, 302	16. 42
1933	31, 917	1, 020, 988	31. 99
1934	30, 440	1, 037, 754	34. 09
1935	30, 523	1, 115, 374	36. 54
1936	31, 641	1, 760, 442	55. 64
1937	31, 234	1, 079, 820	34. 57
1938	31, 505	1, 491, 502	47. 34
1939	30, 680	1, 453, 194	47. 37
1940	31, 243	1, 482, 456	47. 45
1941	31, 638	2, 749, 759	86. 91
1942	31, 614	3, 011, 489	95. 26
1943	32, 322	3, 707, 494	114. 70
1944	32, 238	4, 443, 172	137. 82
1945	31, 527	4, 233, 185	134. 27

¹ Includes Government benefit payments.

² Estimated.

Miscellaneous

Contracts

Determination of repayment obligation as of June 30, 1946:

Construction cost..... \$493,704
 Less revenues..... 205,829

Total..... 287,875

Adjustment to be made..... 27,270

Total..... 315,145

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1918	\$93,787	\$23,500		\$23,500	\$23,500		\$23,500		
1919	93,787						23,500		
1920	122,387	286		286	286		23,786		
1921	156,878	572		572	572		24,358		
1922	207,926	1,675		1,675	1,334		25,692		
1923	217,676	1,548		1,548	1,207		26,899		
1924	338,296	11,470		11,470	10,955		37,854		
1925	338,724	7,281		7,281	7,281	\$1,197	46,332		
1926	338,724	7,480		7,480	6,799		53,131		
1927	338,724	17,752		17,752	16,721		69,852		
1928	338,724	32,181		32,181	31,840	681	102,373		
1929	338,724	32,627		32,627	18,988	517	121,878		
1930	338,724	21,214		21,214	19,011	13,039	153,928		
1931	338,724	29,353		29,353	25,827	3,256	183,011		
1932	339,001	2,070	¹ \$6,349	4,279	1,545	1,444	186,000		
1933	339,521	30,843	¹ 2,619	28,224	30,052	1,167	217,219		
1934	341,660	1,582		1,582	492	1,719	219,430	Moratorium period.	
1935	342,542	8,936	¹ 1,047	7,889	1,607	465	221,502		
1936	344,240	4,004	¹ 4,463	¹ 459	3,415	1,438	226,355		
1937	344,240	10,528		10,528	3,492	¹ 273	229,574		
1938	344,984	6,277		6,277	4,356	992	234,922		
1939	354,223	10,540		10,540	4,657	131	239,710		
1940	356,730	10,839		10,839	4,903	64	244,677		
1941	357,468	10,752		10,752	4,238	195	249,110		
1942	359,220	9,965		9,965	6,122	696	255,928		
1943	359,345	10,099		10,099	6,114	38	262,080		
1944	362,396	10,287		10,287	7,005	11	269,096		
1945	314,768	6,104	¹ 30,087	¹ 23,983	5,964		275,060		
1946	315,145	6,136		6,136	6,136	140	281,336		
Total Collected		325,901	¹ 44,565	281,336	254,419	26,917	281,336		
Uncollected				0					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1918			1917, Nov. 30. Contract with Klamath Drainage District for repayment of cost of investigations of practicability of reclaiming marsh lands and change in source of water supply for Van Brimmer Drainage District. Obligation \$93,787, payable in 20 years.
1919			1919, Mar. 20. Contract with J. W. Siemens for drainage. Obligation \$17,033, payable in 20 years.
1920	\$352	\$352	1919, July 10. Contract with Horsefly Irrigation District for water supply from Bonanza Springs for 4,400 acres at \$6.50 per acre, payable in 20 years. Contract amended on Oct. 12, 1922, by increasing acreage to 5,900.
1921	352	352	1920, July 31. Contract with Upper Van Brimmer Drainage District for drainage. Obligation \$17,453, payable in 20 years.
1922	352	352	1921, Aug. 10. Contract with Geary Investment Co. for water supply from Upper Klamath Lake for 4,193.74 acres at 25 cents per acre. Obligation \$1,048.44, payable upon execution of contract.
1923	352	352	1921, Aug. 24. Contract with Klamath Drainage District for water supply from Upper Klamath Lake. Obligation \$50,000, payable in 10 equal annual installments.
1924	472	472	1923, July 10. Contract with California-Oregon Power Co. for purchase of power site. Obligation \$120,620, payable in 10 years.
1925	472	472	1929, July 6. Contract with Klamath Drainage District extending time for repayment under contracts of Nov. 30, 1917, and Aug. 24, 1921.
1926	472	472	1937, Sept. 30. Contract with Enterprise Irrigation District for license to use power site on "C" canal. Obligation \$7,732, payable in 30 years.
1927	472	472	1943, Apr. 28. Contract with Klamath Drainage District adjusting obligation under 1917 contract to \$47,175 and rescheduling payments under 1921 contract. Also 23 contracts with individuals for purchase of water rights from Klamath River and Upper Klamath Lake.
1928	485	485	
1929	737	737	
1930	551	551	
1931	504	504	
1932	505	505	
1933	512	512	
1934	525	525	
1935	528	522	
1936	561	555	
1937	536	538	
1938	544	548	
1939	1,060	1,066	
1940	1,082	1,076	
1941	1,102	1,101	
1942	1,140	1,134	
1943	1,127	1,137	
1944	1,177	1,179	
1945	1,166	1,164	
1946	1,180	1,165	
Total	18,318	18,300	

¹ Decrease. Decreases during period 1932 to 1936, inclusive, cover deferments under moratorium acts. Decrease in 1945 represents adjustment of Klamath Drainage contract under contract of Apr. 28, 1943.

Repayment of Construction Investment
PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation-----		\$315, 145
	Due to June 30—1946	281, 336
	1947	5, 120
	1948	4, 805
	1949	3, 437
	1950	3, 437
	1951	3, 437
	1952	3, 437
	1953	1, 711
	1954	937
	1955	901
	1956	781
	1957	781
	1958	772
	1959	673
	1960	673
	1961	554
	1962	439
	1963	429
	1964	305
	1965	276
	1966	258
	1967	258
	1968	259
	1969	129

Pumping
Division

A number of irrigation districts have contracted with the United States for the repayment of a total of \$497,177 for construction of the Pumping Division. Repayments due from 1920 to June 30, 1946, total \$121,383, or 33 percent. Collections on the construction accounts to June 30, 1946, have been \$120,939, leaving an unpaid balance of \$444.

In addition, a total of \$122,703 has been paid the United States for a pro rata share of the costs of operation and maintenance of the project works.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$489,173
Less construction revenues.....	4,889
	<hr/>
Total.....	484,284
Adjustment to be made.....	12,893
	<hr/>
Total.....	497,177

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1919	\$15,264							
1920	15,264	\$763		\$763	\$763		\$763	\$763
1921	62,957	0		0	0		0	763
1922	68,567	2,385		2,385	0		0	763
1923	374,193	112		112	112		112	875
1924	374,193	112		112	56		56	931
1925	374,513	907		907	144	\$56	200	1,131
1926	374,513	907		907	875	2,385	3,260	4,391
1927	374,513	3,404		3,404	3,292	32	3,324	7,715
1928	387,805	4,810		4,810	4,804	763	5,567	13,282
1929	397,781	5,556		5,556	3,010	6	3,016	16,298
1930	399,923	5,648		5,648	3,422	2,385	5,807	22,105
1931	423,083	5,907		5,907	3,268	2,385	5,653	27,758
1932	434,151	2,340	¹ \$3,076	¹ 736	1,907	¹ 590	1,317	29,075
1933	434,625	2,403	¹ 2,629	¹ 226	0	¹ 1,753	¹ 1,753	27,322
1934	434,656	416	¹ 2,026	¹ 1,610	0	¹ 92	¹ 92	27,230
1935	439,387	4,650	¹ 561	4,089	1,669		1,669	28,899
1936	455,698	5,637	¹ 707	4,930	4,901	1,857	6,758	35,657
1937	464,180	7,503	¹ 92	7,411	6,805		6,805	42,462
1938	473,383	6,668	¹ 655	6,013	6,324	405	6,729	49,191
1939	474,335	7,670		7,670	6,787	408	7,195	56,386
1940	488,928	7,735		7,735	7,218	785	8,003	64,389
1941	488,928	8,058		8,058	6,345	963	7,308	71,697
1942	489,588	8,244		8,244	7,865	1,545	9,410	81,107
1943	489,588	11,062		11,062	10,989	526	11,515	92,622
1944	497,177	9,266		9,266	9,013	223	9,236	101,858
1945	497,177	9,335		9,335	6,171	303	6,474	108,332
1946	497,177	9,631		9,631	9,187	3,420	12,607	120,939
Total		131,129	¹ 9,746	121,383	104,927	16,012	120,939	
Collected				120,939				
Uncollected				444				

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1919			
1920	\$76	\$76	1918, Dec. 21. Contract with Pine Grove Irrigation District for water right for 954 acres at \$16 per acre, payable in 20 graduated annual installments.
1921	77	77	1920, July 31. Contract with Upper Van Brimmer Drainage District for drainage and betterments in amount of \$28,050, payable in 20 graduated annual installments.
1922	250	174	
1923	281	205	
1924	284	231	1920, Oct. 5. Contract with Enterprise Irrigation District for water right for 2,981 acres at \$16 per acre, payable in 20 graduated annual installments.
1925	269	186	1922, Sept. 9. Contract with Malin Irrigation District for water right for approximately 4,000 acres at \$34 per acre, payable in 20 annual installments.
1926	488	621	1922, Oct. 6. Contract with Shasta View Irrigation District for water right for 4,200 acres at \$34 per acre, payable in 20 graduated annual installments. Amended by contract of June 29, 1927, reducing acreage to 3,856, and extending repayment period to 40 years.
1927	256	79	1922, Oct. 24. Contract with Sunnyside Irrigation District for water right for approximately 789 acres at \$34 per acre, payable in 20 annual installments.
1928	6,437	6,725	1927, June 6. Contract with Sunnyside Irrigation District extending repayment period to 40 years.
1929	9,246	7,445	1927, July 5. Contract with Malin Irrigation District extending repayment period to 40 years.
1930	8,464	6,932	1930, Aug. 5. Contract with Shasta View Irrigation District extending time for payment of delinquent charges and penalties.
1931	4,564	7,218	1935, Mar. 18. Contract with Enterprise Irrigation District extending repayment period to 40 years.
1932	8,409	5,817	92 contracts with individual pumpers at \$34 per acre. Various dates. Payable in 40 graduated annual installments.
1933	4,054	4,077	
1934	4,601	3,941	
1935	5,112	4,873	
1936	4,549	4,530	
1937	4,845	5,090	
1938	5,600	5,547	
1939	6,024	5,995	
1940	6,015	6,101	
1941	6,055	6,006	
1942	6,032	6,075	
1943	7,344	7,097	
1944	8,438	8,621	
1945	9,292	8,980	
1946	10,131	9,984	
Total	127,193	122,703	

¹ Decrease. Decreases are due to deferments under relief acts.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amounts due from contractors					
		Pine Grove Irrigation District	Enterprise Irrigation District	Malin Irrigation District	Sunnyside Irrigation District	Upper Van Brimmer Drainage District	Individual pumpers
Contract obligation (total \$497,177) ¹		\$15,374	\$48,245	\$118,453	\$20,271	\$5,683	\$157,929
	To June 30—1946	15,374	28,739	34,897	5,766	4,994	31,613
	1947		1,345	3,549	607	344	3,962
	1948		1,345	3,549	607	345	3,971
	1949		1,345	3,549	607		3,990
	1950		1,345	3,549	607		4,072
	1951		1,345	3,549	607		4,189
	1952		1,345	3,549	607		4,273
	1953		1,345	3,549	607		4,361
	1954		1,345	3,549	607		4,473
	1955		1,345	3,549	607		4,483
	1956		1,345	3,549	607		4,688
	1957		1,345	3,549	607		4,689
	1958		1,345	3,549	607		4,694
	1959		1,345	3,549	607		4,701
	1960		1,345	3,549	607		4,760
	1961		676	3,549	607		4,760
	1962			3,549	607		4,760
	1963			3,549	607		4,760
	1964			3,549	607		4,760
	1965			3,549	607		4,760
	1966			3,549	607		4,760
	1967			3,549	474		4,758
	1968			3,394	348		4,309
	1969			3,249	348		4,303
	1970			2,384	378		3,857
	1971				408		3,409
	1972				409		2,832
	1973						2,232
	1974						2,183
	1975						2,054
	1976						1,624
	1977						1,315
	1978						1,080
	1979						852
	1980						834
	1981						234
	1982						210
	1983						188
	1984						176

¹ Contract with Shasta View Irrigation District, \$131,222, suspended until amendatory contract is executed. No payments made.

*Tule Lake Division*¹

Construction of irrigation works for 25,569 acres of public land in this Division has been completed and work is in progress on the Modoc Unit.

Water was available for a portion of the Division in 1922 and public notice was issued announcing a construction charge of \$90 per acre. This public notice was recalled and vacated in 1927 under authority of the act of May 25, 1926 (44 Stat. 639). The construction charge was ad-

¹ Except lands in Klamath Irrigation District.

justed to \$88.35 per acre by a public notice which established a water rental practice and provided that when agricultural development was sufficiently advanced to permit organization of a district, a contract would be negotiated and construction charges announced, payable over a 40-year period, or if a district was not organized, a notice would be issued under the Extension Act of August 14, 1914 (38 Stat. 686), requiring repayment in 20 years. Formation of a district is scheduled for 1947. The Bureau has made an economic survey and is drafting a schedule of proposed repayment rates to be incorporated in

a draft of contract, to be negotiated with the new district.

A total of \$1,017,884 in land lease revenues was collected from lands in the Tule Lake Division prior to June 30, 1940. Lease revenues since June 30, 1940, amounting to \$1,577,168 to June 30, 1946, are required by the Appropriation Act of 1941 to be credited to repay the construction cost of the Modoc Unit.

Collections of water rental charges to June 30, 1946, amounted to \$903,342. The Division is operated by the United States.

Determination of repayment obligation as of June 30, 1946:

Not determined. Public notices suspended and division being operated on a water rental basis.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1923	\$224,388	\$11,219		\$11,219	\$11,219		\$11,219	\$11,219	
1924	215,964		¹ \$421	¹ 421		¹ 421	¹ 421	10,798	
1925	214,218		¹ 87	¹ 87		¹ 87	¹ 87	10,711	
1926	217,980	188		188	188		188	10,899	
1927	222,012	202		202	202		202	11,101	
1928	221,076	1,048		1,048		¹ 45	¹ 45	11,056	
1929	221,076	1,095		1,095	500	1,093	1,593	12,649	
1930	235,906	17,636		17,636	16,803	596	17,399	30,048	1930. Includes purchase right-of-way for Central Pacific R. R.
1931	235,906	1,095		1,095		832	832	30,880	
1932	235,798	558		558		538	538	31,418	
1933	248,816	12,981	¹ 931	12,050	12,981		12,981	44,399	1933. Includes purchase right-of-way for Great Northern R. R.
1934	247,535	302	¹ 184	118	302		302	44,701	
1935	247,739	10		10	10		10	44,711	
1936	251,597	4,206		4,206	3,828		3,828	48,539	
1937	292,330	1,662		1,662	1,294	194	1,488	50,027	
1938	292,438	1,390	¹ 552	838	1,012		1,012	51,039	
1939	293,257	1,430		1,430	1,430	377	1,807	52,846	
1940	295,647	1,430		1,430	95		95	52,941	
1941	296,836	1,983		1,983	508		508	53,449	
1942	296,836	1,231	¹ 736	495	164	10	174	53,623	
1943	296,836	1,230		1,230	124		124	53,747	
1944	296,836	1,230		1,230	1,182	4,241	5,423	59,170	
1945	296,836	1,230		1,230	1,135		1,135	60,305	
1946	296,836	1,230		1,230	1,180	89	1,269	61,574	
Total		64,586	¹ 2,911	61,675	54,157	7,417	61,574		
Collected				61,574					
Uncollected				101					

¹ Decrease. Decreases are due to individuals changing from a permanent water right to a water rental basis.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1923			Individual water-right applications for 2,417.9 acres in California under public notice No. 13. Central Pacific R. R. Co. and Great Northern R. R. Co. for purchase of right-of-way 293.6 acres at \$100.55 per acre. Eight contracts for permanent water rights from Lost River, covering 1,279 acres of land. Contract with Colonial Realty Co., covering exchange of Main Division lands for Tule Lake Division lands and purchase of water right for 1,190 acres at cost of \$40,460.
1924	\$2, 875	\$1, 455	
1925	3, 599	2, 478	
1926	3, 605	3, 663	
1927	3, 534	4, 280	
1928	1, 060	2, 476	
1929	561	882	
1930	615	510	
1931	561	550	
1932	223	0	
1933	1 52	0	
1934	88	375	
1935	110	2	
1936	107	105	
1937	1, 765	269	
1938	1, 765	3, 263	
1939	1, 774	1, 881	
1940	179	168	
1941	219	218	
1942	102	91	
1943	102	79	
1944	2, 066	2, 078	
1945	2, 244	2, 233	
1946	2, 422	2, 432	
Total	29, 524	29, 488	

¹ Decrease. Decreases are due to individuals changing from a permanent water right to a water rental basis.

Repayment of Construction Investment

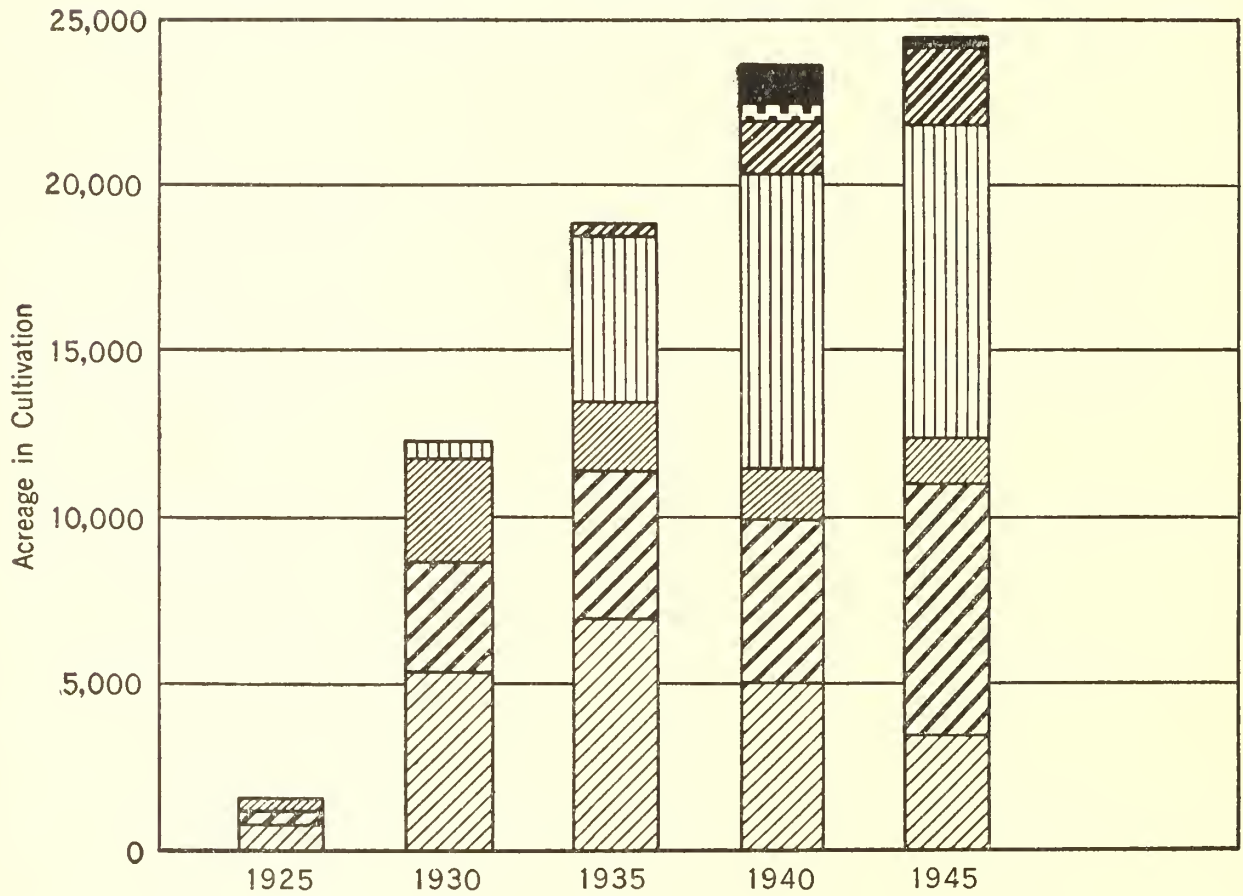
PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$296, 836
	Due to June 30—1946	61, 675
	1947	1, 230
	1948	1, 230
	1949	1, 230
	1950	1, 230
	1951	1, 230
	1952	1, 230
	1953	1, 230
	1954	1, 230
	1955	1, 221
	1956	1, 221
	1957	1, 221
	1958	1, 221
	1959	1, 180
	1960	1, 105
	1961	1, 060
	1962	1, 011
	1963	1, 012
	1964	1, 011
	1965	1, 012
	1966	1, 011
	1967	1, 012
	1968	1, 011
	1969	1, 012
	1970	1, 011
	1971	1, 012
	1972	1, 011
	1973	1, 012
	1974	1, 011
	1975	1, 012
	1976	1, 011
	Public notice suspended	201, 920

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1924	1, 190	\$29, 680	\$25. 00
1925	1, 517	38, 406	25. 30
1926	2, 310	72, 160	31. 24
1927	4, 080	109, 370	26. 81
1928	8, 840	228, 710	25. 87
1929	9, 790	343, 510	35. 09
1930	12, 310	399, 098	32. 42
1931	14, 365	422, 805	29. 43
1932	17, 087	287, 873	16. 85
1933	19, 438	586, 645	30. 18
1934	19, 114	861, 199	45. 06
1935	18, 939	1, 107, 564	58. 48
1936	18, 527	2, 150, 603	116. 08
1937	19, 205	948, 099	49. 37
1938	23, 955	1, 737, 758	72. 54
1939	23, 458	1, 569, 461	66. 91
1940	23, 682	1, 821, 639	76. 92
1941	23, 967	2, 492, 686	104. 00
1942	23, 869	3, 007, 548	126. 00
1943	24, 134	4, 285, 576	177. 57
1944	24, 125	4, 669, 366	193. 55
1945	24, 498	4, 590, 689	187. 39

¹ Includes Government benefit payments.

KLAMATH PROJECT, OREGON-CALIFORNIA TULE LAKE DIVISION CROP HISTORY



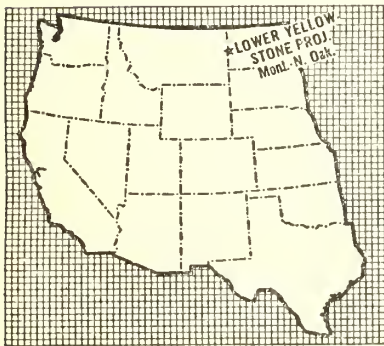
- | | |
|---|---|
| <ul style="list-style-type: none"> Alfalfa Grains Other Hay, Forage & Pasture | <ul style="list-style-type: none"> Vegetables, Truck and Others Seed Crops Sugar Beets Soil Improvement |
|---|---|

Water Service Commenced in 1923

Lower Yellowstone Project

Montana-North Dakota Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Lower Yellowstone project comprises the Lower Yellowstone Irrigation District No. 1 in Montana and Lower Yellowstone Irrigation District No. 2 in North Dakota. Together, these two

districts have contracted with the United States to repay a total of \$4,097,429, or approximately \$71 per irrigable acre. To June 30, 1946, a total of \$1,037,569, or 25 percent, had become due and had been paid on the construction cost. Both districts are paying construction instalments on the 5 percent crop repayment plan authorized by the act of December 5, 1924.

A board of control has been established to operate the project and the United States has transferred operation of the entire irrigation system

to the board of control. Prior to such transfer, a total of \$338,563 was collected from the water users for operation and maintenance and \$140,885 for water rentals.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$3, 685, 433
Operation and maintenance funded	875, 365
Penalties funded	47, 529
	<hr/>
Total	4, 608, 327
Less construction revenues	132, 417
	<hr/>
Total	4, 475, 910
Less charge-off, act of May 26, 1926	382, 254
	<hr/>
Net	4, 093, 656
Adjustment to be made	3, 773
	<hr/>
Total	4, 097, 429

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1909		\$48,008		\$48,008	\$238		\$238	\$238	
1910		2,962		2,962	0	\$6,532	6,532	6,770	
1911		55,054		56,722	1,619	2,551	4,170	10,940	
1912		2,087	¹ 9,104	¹ 7,017	225	¹ 361	¹ 136	10,804	
1913		2,053	¹ 95,374	¹ 93,321	3,809	¹ 6,921	¹ 6,921	3,883	1913. Reduction of accruals, 1912 public notice.
1914		44,779	¹ 671	44,108		¹ 255	3,554	7,437	
1915		1,944	¹ 664	1,280	1,189		117	1,306	8,743
1916		7,599	7,423	15,022	693	543	1,236	9,979	
1917	\$1,225,497			¹ 1,131			5	9,984	
1918	1,243,429			4,469			61	10,045	
1919	1,243,429	¹ 57,703		3,045	82		0	10,045	Water-rental period.
1920	1,243,429			11			16	10,061	
1921	1,243,429			¹ 64,097			0	10,061	
1922	² 3,614,104	31,074		31,074	31,074		31,074	41,135	
1923	3,614,104			0			0	41,135	
1924	3,614,302	28,090	197	28,287	6,544	197	6,741	47,876	
1925	3,614,302	32,636		32,636		2,987	2,987	50,863	
1926	3,614,166	32,649		32,649		19,286	19,286	70,149	
1927	³ 4,568,863	10,850	¹ 62,966	¹ 52,116	10,821	1,592	12,413	82,562	1927. Delinquent charges funded, 1926 contracts.
1928	4,568,863	25,354		25,354	25,354	29	25,383	107,945	
1929	⁴ 4,164,249	44,539		44,539	44,233		44,233	152,178	
1930	4,134,865	66,216		66,216	61,583	316	61,899	214,077	
1931	4,125,999	65,312		65,312	61,509	4,623	66,132	280,209	
1932	4,138,489	4,341		4,341	4,341	3,803	8,144	288,353	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1930, \$6,513; 1931, \$71,227; 1932, \$70,455; 1933, \$68,928; 1934, \$69,054; 1935, \$72,175; 1936, \$35,069.
1933	4,077,816	620	¹ 110	510	620	¹ 110	510	288,863	
1934	4,087,842	1,634		1,634	1,634		1,634	290,497	
1935	4,096,817	1,661		1,661	1,661		1,661	292,158	
1936	4,094,992	1,603		1,603	1,603		1,603	293,761	
1937	4,094,992	25,760		25,760	24,711		24,711	318,472	
1938	4,094,992	73,230		73,230	45,588	1,049	46,637	365,109	
1939	4,092,444	72,482		72,482	37,216	27,642	64,858	429,967	
1940	4,092,444	72,242		72,242	31,305	35,266	66,571	496,538	
1941	4,092,444	72,154		72,154	40,473	40,937	81,410	577,948	
1942	4,092,444	74,834		74,834	46,734	31,681	78,415	656,363	
1943	4,092,444	78,155		78,155	78,155	28,100	106,255	762,618	
1944	4,097,429	84,253		84,253	84,253		84,253	846,871	
1945	4,097,429	91,358		91,358	91,358		91,358	938,229	
1946	4,097,429	99,340		99,340	99,340		99,340	1,037,569	
Total		1,197,170	¹ 159,601	1,037,569	837,965	199,604	1,037,569		
Collected				1,037,569					
Uncollected				0					

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1909	\$11,296	\$56	1908, Dec. 21. Public notice. Construction charge \$42.50 per acre, payable in 10 equal annual installments.
1910	697	6,000	1912, Mar. 1. Public notice. Construction charge raised to \$45 per acre, payable in 10 graduated annual installments.
1911	13,348	6,162	1920, Dec. 10, and 1921, Mar. 9, contracts with Lower Yellowstone Irrigation District No. 1 and Lower Yellowstone Irrigation District No. 2, respectively, under which districts agree to pay construction cost of project in 20 graduated annual installments. O. and M. deficit and certain other costs designated as supplemental construction to be paid in additional installments after 20-year repayment period.
1912	3,375	1,945	1926, Sept. 23 and Nov. 2. Contracts with Lower Yellowstone Irrigation District No. 1 and Lower Yellowstone Irrigation District No. 2, respectively. Contracts provide for additional construction work and for funding of delinquencies. Repayment of construction charges to be made on crop production basis, annual installments to be 5 percent of average gross annual acre income for 10 preceding years.
1913	96,219	16,947	
1914	37,726	4,206	
1915	¹ 1,003	316	
1916	¹ 23,204	103	
1917	¹ 967	9	
1918	644	91	
1919	337	0	
1920	0	0	
1921	32,931	0	
1922	¹ 9,135	9,065	
1923	37,153	22,778	
1924	44,408	¹ 16,737	
1925	47,442	1,798	
1926	52,427	42,673	
1927	¹ 185,084	50,243	
1928	37,076	41,216	
1929	46,208	52,104	

See footnotes at end of table.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1930-----	\$47, 949	\$46, 529	
1931-----	36, 487	40, 826	
1932-----	13, 193	13, 193	
1933-----	430	430	
1934-----	531	531	
1935-----	0	0	
1936-----	¹ 1, 921	¹ 1, 921	
Total-----	338, 563	338, 563	

¹ Decrease. Decreases due to reduction of accruals under 1912 public notice and to funding of delinquent charges under 1926 contracts.

² Increase due to assumption of additional obligations by districts under 1920 and 1921 contracts.

³ Increase due to assumption of additional obligations by districts under 1926 contracts.

⁴ Reduction due to adjustment of obligation for drainage work from estimated to actual cost.

This project is on a crop repayment basis.

Operation and maintenance by the Board of Control, for Lower Yellowstone Irrigation Districts Nos. 1 and 2, since 1932.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands-----		\$3, 386, 902
Suspended lands (temporarily unproductive) ² -----		710, 527
Total amount repayable-----		4, 097, 429
	Due to June 30—1946-----	1, 037, 569
	1947-----	134, 624
	1948-----	134, 624
	1949-----	134, 624
	1950-----	134, 624
	1951-----	134, 624
	1952-----	134, 624
	1953-----	134, 624
	1954-----	134, 623
	1955-----	134, 623
	1956-----	134, 623
	1957-----	134, 623
	1958-----	134, 623
	1959-----	122, 447
	1960-----	104, 493
	1961-----	92, 469
	1962-----	92, 469
	1963-----	90, 045
	1964-----	54, 086
	1965-----	54, 086
	1966-----	39, 802
	1967-----	27, 990
	1968-----	12, 846
	1969-----	12, 846
	1970-----	12, 104
	1971-----	5, 755
	1972-----	5, 755
	1973-----	2, 614
	1974-----	1, 382
	1975-----	1, 382
	1976-----	1, 279

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1909 ² -----	7, 113	\$85, 356	\$12. 00
1910 ² -----	8, 655	129, 825	15. 00
1911 ² -----	15, 443	178, 067	11. 53
1912-----	17, 498	199, 530	11. 40
1913-----	7, 410	101, 587	13. 71
1914-----	5, 621	96, 707	17. 20
1915-----	11, 990	194, 011	16. 18
1916-----	6, 020	124, 586	20. 70
1917-----	15, 659	459, 557	29. 35
1918-----	21, 000	669, 191	31. 87
1919-----	21, 289	869, 117	40. 82
1920-----	19, 120	584, 700	30. 58
1921-----	19, 980	304, 220	15. 23
1922-----	15, 400	334, 100	21. 69
1923-----	17, 780	506, 620	28. 49
1924-----	14, 030	548, 400	39. 09
1925-----	18, 276	642, 163	35. 14
1926-----	23, 060	743, 060	32. 22
1927-----	15, 629	421, 507	26. 97
1928-----	19, 766	499, 450	25. 27
1929-----	23, 945	779, 960	32. 57
1930-----	28, 681	957, 756	33. 39
1931-----	31, 194	856, 213	27. 45
1932-----	31, 235	669, 455	21. 43
1933-----	33, 902	1, 030, 058	30. 38
1934-----	36, 348	1, 191, 102	32. 77
1935-----	38, 638	1, 550, 483	40. 13
1936-----	42, 042	1, 600, 652	38. 07
1937-----	44, 251	1, 322, 430	29. 88
1938-----	43, 723	1, 303, 684	29. 82
1939-----	43, 932	1, 472, 212	33. 51
1940-----	46, 178	1, 821, 680	39. 45
1941-----	44, 872	1, 860, 588	41. 46
1942-----	45, 026	2, 291, 524	50. 89
1943-----	45, 975	2, 742, 322	59. 65
1944-----	46, 621	2, 923, 261	62. 70
1945-----	46, 915	2, 680, 320	57. 13

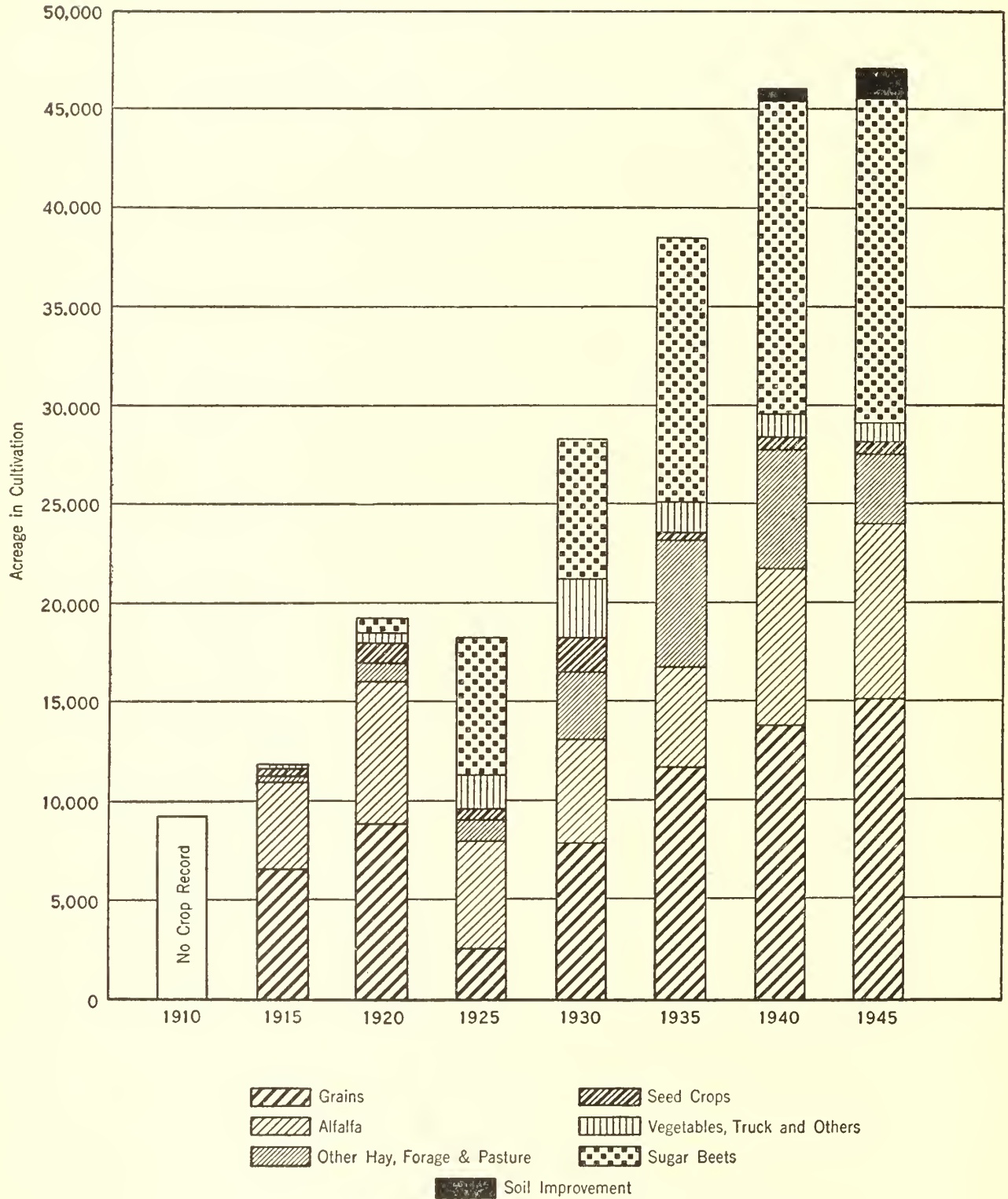
¹ Includes Government benefit payments.

² Estimated.

¹ Average of 1939-44 crop returns used in estimating repayment 1947 through 1976.
² Lands considered temporarily unproductive on which charges are not currently assessed.

Contractors: Lower Yellowstone Irrigation District No. 1, Montana; Lower Yellowstone Irrigation District No. 2, North Dakota.

LOWER YELLOWSTONE PROJECT, MONT. - NORTH DAK. CROP HISTORY



Water Service Commenced in 1909

Mancos Project

Colorado . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

war. Some progress was made during the war

The Mancos project was initiated as a Water Conservation and Utilization project, to rehabilitate an existing irrigation system. Work was about 35 percent complete when it was delayed by the

with a Civilian Public Service Camp. Consideration is being given to a reauthorization of the project on the basis of the total cost now estimated to complete.

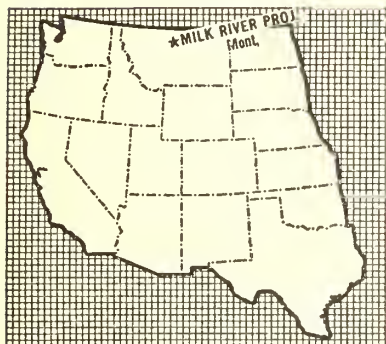
The Mancos Water Conservancy District executed a contract with the United States, dated July 20, 1942, covering the repayment of the reimbursable portion of the cost as determined at that time, or \$600,000, to the United States in 40 installments, beginning after a 3-year development period. No repayment has been made as the project is incomplete.

Milk River Project

Montana . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

*Chinook Division.*¹—
The United States has constructed storage facilities for the benefit of five irrigation districts included in the Chinook Division. These districts have a contract debt to the United States

totaling \$585,202. Repayments commenced in 1937 and on June 30, 1946, a total of \$101,897, or 17 percent, had become due. A total of \$101,225 had been paid to the United States on construction charges.

In addition, a total of \$114,091 has been paid by the districts to cover the cost of operation and maintenance of the storage works by the United

States and \$61,269 has been collected for water rentals.

Four of the Chinook Division irrigation districts have contracted for storage from Fresno Reservoir, repayment of which is covered separately in this volume.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$1, 349, 882
Penalties added	252
Total	1, 350, 134
Less construction revenues	72, 938
Total	1, 277, 196
Less charge-off, Act of May 26, 1926	569, 100
Total	708, 096
Less not contracted	122, 894
Total	585, 202

133

¹ Exclusive of Fresno Reservoir.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1927									
1928									
1929									
1930									
1931								Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1932, \$10,978; 1933, \$10,726; 1934, \$10,726; 1935, \$10,726; 1936, \$5,363.	
1932	\$584,960								
1933	584,960								
1934	585,203								
1935	585,675								
1936	585,193								
1937	585,193	\$5,363		\$5,363	\$2,564	\$2,564	\$2,564		
1938	585,193	10,726		10,726	5,947	\$2,799	8,746		
1939	585,193	10,726		10,726	5,613	4,779	10,392		
1940	585,193	10,726		10,726	7,068	5,113	12,181		
1941	585,193	10,726		10,726	6,931	3,658	10,589		
1942	585,193	10,726		10,726	7,661	3,795	11,456		
1943	585,193	10,726		10,726	10,088	3,065	13,153		
1944	585,193	10,726		10,726	10,726	638	11,364		
1945	585,193	10,726		10,726	10,726		10,726		
1946	585,202	10,726		10,726	10,054		10,054		
Total		101,897		101,897	77,378	23,847	101,225		
Collected				101,225					
Uncollected				672					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1927	\$9,503	\$9,503	1931, contracts of July 25 with Alfalfa Valley Irrigation District; July 20 with Fort Belknap Irrigation District; Aug. 5 with Harlem Irrigation District; July 24 with Paradise Valley Irrigation District; and July 2 with Zurich Irrigation District. Contracts provide for payment for St. Mary Storage Reservoir water at \$14.05 per acre, payable in 80 equal semiannual installments beginning Dec. 31, 1932.
1928	8,900	8,900	
1929	6,600	5,725	
1930	5,930	6,020	
1931	6,000	6,785	
1932	4,000	3,595	
1933	11,089	8,641	
1934	4,607	6,629	
1935	4,623	4,110	
1936	5,198	5,925	
1937	5,265	5,296	
1938	6,059	5,855	
1939	4,655	2,838	
1940	5,181	7,176	
1941	4,066	4,592	
1942	5,078	4,970	
1943	3,307	3,465	
1944	4,277	4,314	
1945	5,189	4,622	
1946	6,250	5,130	
Total	115,777	114,091	

This division is on a 40-year repayment basis.

Funds advanced by five irrigation districts for operation and maintenance of storage works.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amounts due from contractors				
		Alfalfa Valley Irrigation District	Fort Belknap Irrigation District	Harlem Irrigation District	Paradise Valley Irrigation District	Zurich Irrigation District
Contract obligation (total \$585,202): ¹						
Paying lands-----		\$51, 068	\$53, 762	\$125, 364	\$98, 641	\$100, 445
Suspended lands (temporarily unproductive) ² -----		257	54, 100	36, 508	44, 883	20, 174
Total amount repayable-----		51, 325	107, 862	161, 872	143, 524	120, 619
	Due to June 30—1946-----	12, 122	12, 761	29, 757	23, 414	23, 842
	1947-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1948-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1949-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1950-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1951-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1952-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1953-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1954-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1955-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1956-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1957-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1958-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1959-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1960-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1961-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1962-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1963-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1964-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1965-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1966-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1967-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1968-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1969-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1970-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1971-----	1, 276	1, 343	3, 140	2, 465	2, 510
	1972-----	1, 276	1, 352	3, 132	2, 456	2, 502
	1973-----	1, 290	1, 358	3, 168	2, 492	2, 538
	1974-----	1, 290	1, 358	3, 168	2, 492	2, 538
	1975-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1976-----	1, 276	1, 343	3, 132	2, 465	2, 510
	1977-----	638	672	1, 567	1, 232	1, 255

¹ These obligations cover cost of St. Mary storage reservoir.² Lands considered temporarily unproductive on which charges are not currently assessed.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1919-----	15, 200	\$365, 000	\$24. 01
1920-----	21, 000	425, 000	20. 24
1921-----	23, 800	228, 250	9. 59
1922-----	25, 000	388, 400	15. 54
1923-----	22, 650	331, 550	14. 64
1924-----	25, 900	355, 500	13. 73
1925-----	27, 600	516, 700	18. 72
1926-----	20, 690	493, 520	23. 85
1927-----	14, 683	374, 234	25. 49
1928-----	22, 860	514, 181	22. 49
1929-----	21, 320	615, 310	28. 86
1930-----	26, 016	597, 565	22. 97
1931-----	22, 699	528, 064	23. 26
1932-----	23, 680	344, 400	14. 54

See footnote at end of table.

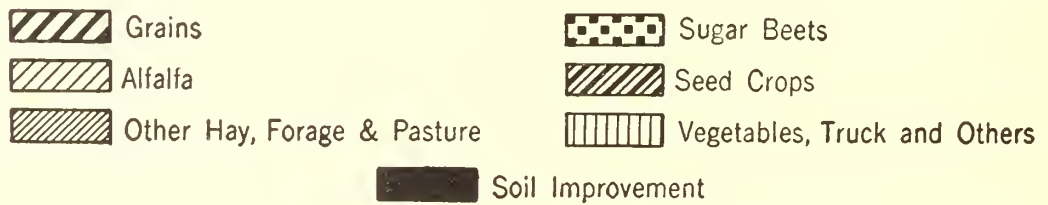
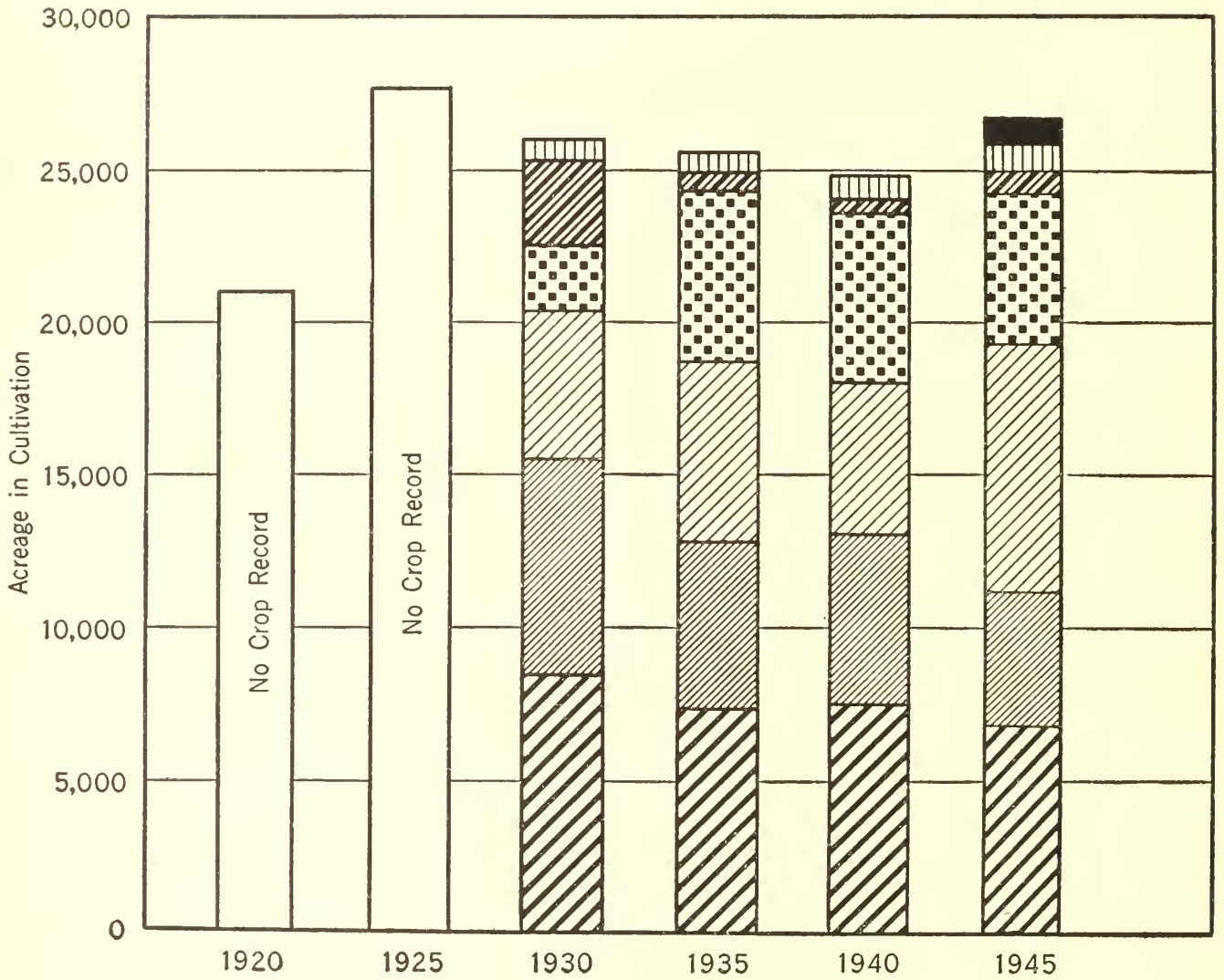
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1933-----	23, 258	\$555, 466	\$23. 88
1934-----	23, 982	704, 656	29. 38
1935-----	25, 513	819, 316	32. 11
1936-----	26, 682	840, 001	31. 48
1937-----	27, 526	836, 809	30. 40
1938-----	31, 086	735, 489	23. 66
1939-----	22, 648	687, 594	30. 36
1940-----	27, 172	743, 373	27. 36
1941-----	28, 496	888, 499	31. 18
1942-----	28, 439	1, 091, 569	38. 38
1943-----	24, 983	1, 236, 529	49. 49
1944-----	28, 714	1, 260, 847	43. 91
1945-----	26, 792	1, 370, 982	51. 17

¹ Includes Government benefit payments.

MILK RIVER PROJECT, MONTANA

CHINOOK DIVISION

CROP HISTORY



Water Service Commenced in 1920

*Dodson
Pumping Unit*

The Dodson Irrigation District entered into a contract with the United States, dated June 1, 1945, under authority of the Water Conservation and Utilization Act, for repayment of the reimbursable portion of the construction cost of the project, not to exceed \$182,750, or \$110 per irrigable acre. Of this amount \$82,750, or \$50 per acre, is for the District's proportionate part of the cost of existing works including Fresno Dam, and \$100,000 is repayable for project works to be built by the United States. Repayment will be in 40 years.

Construction work is completed except for finishing and leveling canal embankments, which work has been postponed until the spring of 1947 due to winter weather conditions. It is expected that irrigation water will be available in 1947 for the first time through the new works.

A 7-year development period is provided by contract, after notice to the district that water is available, during which time the United States will operate the project and the district will make payments to cover the cost of operation. The first installment of construction charges will be due the year following the close of the development period.

*Repayment of Construction Investment
PAY-OUT SCHEDULE ¹*

	Fiscal year	Amount
Contract obligation-----		\$182,750
	1955	4,569
	1956	4,569
	1957	4,569
	1958	4,569
	1959	4,569
	1960	4,569
	1961	4,569
	1962	4,569
	1963	4,569
	1964	4,569
	1965	4,569
	1966	4,569
	1967	4,569
	1968	4,569
	1969	4,569
	1970	4,569
	1971	4,569
	1972	4,569
	1973	4,569
	1974	4,569
	1975	4,569
	1976	4,569
	1977	4,569

See footnote at end of table.

*Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹*

	Fiscal year	Amount
	1978	\$4,569
	1979	4,569
	1980	4,569
	1981	4,569
	1982	4,569
	1983	4,569
	1984	4,569
	1985	4,569
	1986	4,569
	1987	4,569
	1988	4,569
	1989	4,569
	1990	4,569
	1991	4,569
	1992	4,569
	1993	4,569
	1994	4,559

¹ Scheduled on an assumed date for commencement of repayment.
Contractor: Dodson Irrigation District.

*Fresno
Reservoir*

The Fresno Dam and Reservoir were constructed to furnish supplemental water to the irrigation districts of the Milk River project. Six districts, and the Office of Indian Affairs, as well as several towns, corporations, and a number of individual contractors have agreed to repay a total obligation of \$2,003,535. By memorandum of understanding approved August 16, 1946, the Office of Indian Affairs has agreed to purchase a one-seventh interest in the storage capacity of Fresno Reservoir to provide water for the irrigation of Indian lands on the Fort Belknap Indian Reservation, Mont. Repayments under the contracts commenced in 1944, and on June 30, 1946, a total of \$61,863 had become due. Of this amount \$41,159 had been paid. Adjustment of Fresno storage charges is being considered in connection with the negotiation of amendatory repayment contracts with the Malta and Glasgow districts.

In addition to the construction charges, \$9,196 has been paid by the districts and other contractors for operation and maintenance of Fresno Dam and \$1,144 has been collected for water rentals.

Determination of repayment obligation as of June 30, 1946:

Cost	\$1,747,127
Adjustment to be made	256,408
Total	2,003,535

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1937	\$1, 216, 895								
1938	1, 216, 895								
1939	1, 216, 895								
1940	1, 223, 895								
1941	1, 224, 295								
1942	1, 224, 295								
1943	1, 346, 555								
1944	1, 347, 155	\$27, 301		\$27, 301	\$7, 297		\$7, 297	\$7, 297	
1945	1, 762, 305	35, 821	¹ \$17, 770	18, 051	16, 223	\$1, 668	17, 891	25, 188	1945. Malta and Glasgow District installments deferred under act of Aug. 4, 1939, \$17,700.
1946	2, 003, 535	34, 769	¹ 18, 258	16, 511	14, 065	1, 906	15, 971	41, 159	
Total		97, 891	¹ 36, 028	61, 863	37, 585	3, 574	41, 159		
Collected				41, 159					
Uncollected				20, 704					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1944	\$1, 397	\$956	1935, May 18. Contract with Fort Belknap Irrigation District.
1945	4, 278	4, 349	1935, June 22. Contract with Malta Irrigation District.
1946	3, 739	3, 891	1935, May 25. Contract with Glasgow Irrigation District.
Total	9, 414	9, 196	1942, June 6. Contract with Alfalfa Valley Irrigation District. 1944, Oct. 7. Contract with Paradise Valley Irrigation District. 1945, Jan. 24. Contract with Zurich Irrigation District. Also contracts with 92 cities, corporations, and individuals. Contracts provide for payment in 80 equal semi-annual installments. Memorandum of Understanding approved Aug. 16, 1946, whereby Office of Indian Affairs will pay 1/3 share of construction cost.

¹ Decrease. Decreases cover amounts deferred under 1939 Act.

Contracts are on a 40-year repayment basis.

Repayment of Construction Investment

PAY-OUT SCHEDULE

Fiscal year	Amounts due from contractors							
	Malta Irrigation District	Glasgow Irrigation District	Alfalfa Valley Irrigation District	Fort Belknap Irrigation District	Paradise Valley Irrigation District	Zurich Irrigation District	Individuals, corporations, etc.	Office of Indian Affairs
Contract obligation (total \$2,003,535)	\$649, 524	\$272, 643	\$94, 260	\$99, 228	\$182, 080	\$185, 410	\$270, 390	\$250, 000
Due to June 30—1946	12, 516	5, 254	5, 520	5, 736	7, 100	7, 231	18, 506	
1947	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	37, 500
1948	12, 516	5, 254	1, 840	1, 912	3, 550	3, 616	6, 754	6, 250
1949	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	6, 250
1950	12, 516	5, 254	1, 840	1, 912	3, 550	3, 616	6, 754	6, 250
1951	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	6, 250
1952	12, 516	5, 254	1, 840	1, 912	3, 550	3, 616	6, 754	6, 250
1953	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	6, 250
1954	12, 516	5, 254	1, 840	1, 912	3, 550	3, 616	6, 754	6, 250
1955	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	6, 250
1956	12, 516	5, 254	1, 840	1, 912	3, 550	3, 616	6, 754	6, 250
1957	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	6, 250
1958	12, 516	5, 254	1, 840	1, 912	3, 550	3, 616	6, 754	6, 250
1959	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	6, 250
1960	12, 516	5, 254	1, 840	1, 912	3, 550	3, 616	6, 754	6, 250
1961	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	6, 250
1962	12, 516	5, 254	1, 840	1, 912	3, 550	3, 616	6, 754	6, 250
1963	12, 516	5, 254	1, 840	1, 912	3, 550	3, 615	6, 754	6, 250
1964	19, 960	8, 378	2, 873	3, 050	3, 550	3, 616	6, 754	6, 250
1965	19, 960	8, 378	2, 873	3, 050	5, 554	5, 655	6, 754	6, 250
1966	19, 960	8, 378	2, 873	3, 050	5, 554	5, 655	6, 754	6, 250

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

Fiscal year	Amounts due from contractors							
	Malta Irrigation District	Glasgow Irrigation District	Alfalfa Valley Irrigation District	Fort Belknap Irrigation District	Paradise Valley Irrigation District	Zurich Irrigation District	Individuals, corporations, etc.	Office of Indian Affairs
Due to June 30—1967----	\$19,960	\$8,378	\$2,873	\$3,050	\$5,554	\$5,655	\$6,754	\$6,250
1968----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1969----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1970----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1971----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1972----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1973----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1974----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1975----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1976----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1977----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1978----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1979----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1980----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1981----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1982----	19,960	8,378	2,873	3,050	5,554	5,655	6,754	6,250
1983----	19,964	8,381	2,873	3,038	5,554	5,655	6,751	-----
1984----	12,516	5,254	-----	-----	5,554	5,655	1,120	-----
1985----	12,516	5,254	-----	-----	-----	-----	607	-----
1986----	-----	-----	-----	-----	-----	-----	262	-----

Malta and Glasgow Divisions

The Malta and Glasgow Irrigation Districts have contracted to repay the United States a total of \$4,881,513 for construction of irrigation works. Repayments commenced in 1929 and on June 30, 1946, a total of \$328,844 had become due. Of this amount \$210,093 had been collected and paid the United States on the construction debt. The unpaid balance of \$118,751 is mainly due from lands in the Glasgow Division outside of the Glasgow Irrigation District. These are dry lands which have never applied for water.

The United States operates the Milk River project, and on June 30, 1946, a total of \$694,193 had been collected from the water users in operation and maintenance charges and \$177,265 for water rentals.

An economic survey of the Milk River project is in progress for the purpose of determining repayment ability and the need for amendatory repayment contracts.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$6,107,955
Penalties added	426
Total	6,108,381
Less construction revenues	57,458
Total	6,050,923
Less charge-off, act of May 26, 1926	1,166,869
Total	4,884,054
Adjustments to be made	¹ 2,541
Total	4,881,513

¹ Decrease.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1927	\$5, 012, 010								
1928	5, 012, 010								
1929	5, 012, 010	\$3, 003		\$3, 003	\$3, 003		\$3, 003	\$3, 003	1929. Payable by Great Northern Ry. Co.
1930	5, 012, 010	0		0	0		0	3, 003	
1931	5, 012, 010	0		0	0		0	3, 003	
1932	5, 012, 010	18, 440		18, 440	0		0	3, 003	Moratorium period, acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1932, \$19,326; 1933, \$18,900; 1934, \$18,900; 1935, \$18,900; 1936, \$12,600. Additional deferments under acts of Aug. 21, 1937, May 31, 1939, and Aug. 4, 1939, calendar years 1937, \$13,900; 1938, \$12,600; 1939, \$12,600; 1940, \$6,300; 1941, \$18,500; 1943, \$15,000; 1944, \$8,000.
1933	4, 910, 327	27, 890		27, 890	0		0	3, 003	
1934	4, 910, 753	18, 440	¹ \$9, 450	8, 990	0		0	3, 003	
1935	4, 915, 420	18, 440		18, 440	0		0	3, 003	
1936	4, 881, 513	8, 127	¹ 13, 222	¹ 5, 095	0		0	3, 003	
1937	4, 881, 513	20, 727		20, 727	7, 300		7, 300	10, 303	
1938	4, 881, 513	19, 427		19, 427	0	\$5, 300	5, 300	15, 603	
1939	4, 881, 513	33, 327		33, 327	10, 000	11, 300	21, 300	36, 903	
1940	4, 881, 513	20, 727	¹ 12, 600	8, 127	12, 000	2, 600	14, 600	51, 503	
1941	4, 881, 513	33, 328		33, 328	12, 600	600	13, 200	64, 703	
1942	4, 881, 513	37, 000		37, 000	12, 161	12, 600	24, 761	89, 464	
1943	4, 881, 513	38, 260	¹ 24, 800	13, 460	33, 260	39	33, 299	122, 763	
1944	4, 881, 513	38, 260		38, 260	19, 630	5, 000	24, 630	147, 393	
1945	4, 881, 513	38, 260	¹ 15, 000	23, 260	19, 130	3, 630	22, 760	170, 153	
1946	4, 881, 513	38, 260	¹ 8, 000	30, 260	28, 810	11, 130	39, 940	210, 093	
Total		411, 916	¹ 83, 072	328, 844	157, 894	52, 199	210, 093		
Collected				210, 093					
Uncollected				118, 751					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1927	\$18, 600	\$10, 959	1926, July 10 and Dec. 27. Contracts with Malta Irrigation District and Glasgow Irrigation District, respectively. Contracts provide for payment by the districts of a construction charge of \$57 per irrigable acre in 80 equal semi-annual installments, beginning with the year 1932. 1932, Sept. 10 and Sept. 20. Contracts with Malta Irrigation District and Glasgow Irrigation District, respectively, providing for repayment in 80 graduated semiannual installments instead of equal semiannual installments.
1928	20, 006	25, 606	
1929	27, 800	26, 016	
1930	33, 959	31, 784	
1931	34, 195	34, 209	
1932	44, 129	33, 704	
1933	30, 493	26, 398	
1934	31, 653	28, 672	
1935	29, 374	34, 191	
1936	34, 439	37, 014	
1937	42, 555	35, 579	
1938	47, 488	46, 716	
1939	46, 007	43, 118	
1940	47, 223	45, 783	
1941	42, 544	41, 824	
1942	39, 921	29, 023	
1943	33, 962	46, 990	
1944	38, 976	32, 758	
1945	39, 257	25, 212	
1946	42, 945	58, 637	
Total	725, 526	694, 193	

¹ Decrease. Deferments under relief acts.

These divisions are on a 40-year repayment basis.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Contractors		
		Malta Irrigation District	Glasgow Irrigation District	Outside lands
Contract obligation (\$4,881,513):				
Paying lands-----		\$1, 796, 009	\$790, 590	\$155, 160
Suspended lands (temporarily unproductive)-----		1, 962, 339	177, 415	
Total amount repayable-----		3, 758, 348	968, 005	155, 160
Due to June 30—1946-----		174, 003	45, 540	109, 301
1947-----		36, 000	10, 760	(²)
1948-----		36, 000	10, 760	(²)
1949-----		36, 000	10, 760	(²)
1950-----		36, 000	10, 760	(²)
1951-----		36, 000	10, 760	(²)
1952-----		66, 000	33, 260	(²)
1953-----		65, 000	33, 000	(²)
1954-----		65, 000	33, 000	(²)
1955-----		65, 000	33, 000	(²)
1956-----		65, 000	33, 000	(²)
1957-----		65, 000	33, 000	(²)
1958-----		65, 000	33, 000	(²)
1959-----		65, 000	33, 000	(²)
1960-----		65, 000	33, 000	(²)
1961-----		65, 000	33, 000	(²)
1962-----		65, 000	33, 000	(²)
1963-----		65, 000	33, 000	(²)
1964-----		65, 000	33, 000	(²)
1965-----		65, 000	33, 000	(²)
1966-----		65, 000	33, 000	(²)
1967-----		65, 000	33, 000	(²)
1968-----		65, 000	33, 000	(²)
1969-----		65, 000	33, 000	(²)
1970-----		65, 000	33, 000	(²)
1971-----		72, 668	34, 402	(²)
1972-----		30, 338	7, 888	(²)
1973-----		30, 000	7, 800	(²)
1974-----		20, 000	6, 500	(²)
1975-----		10, 000	2, 600	(²)
1976-----		20, 000	4, 800	(²)
1977-----		23, 000		(²)

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.² Indefinite. No water-right applications.

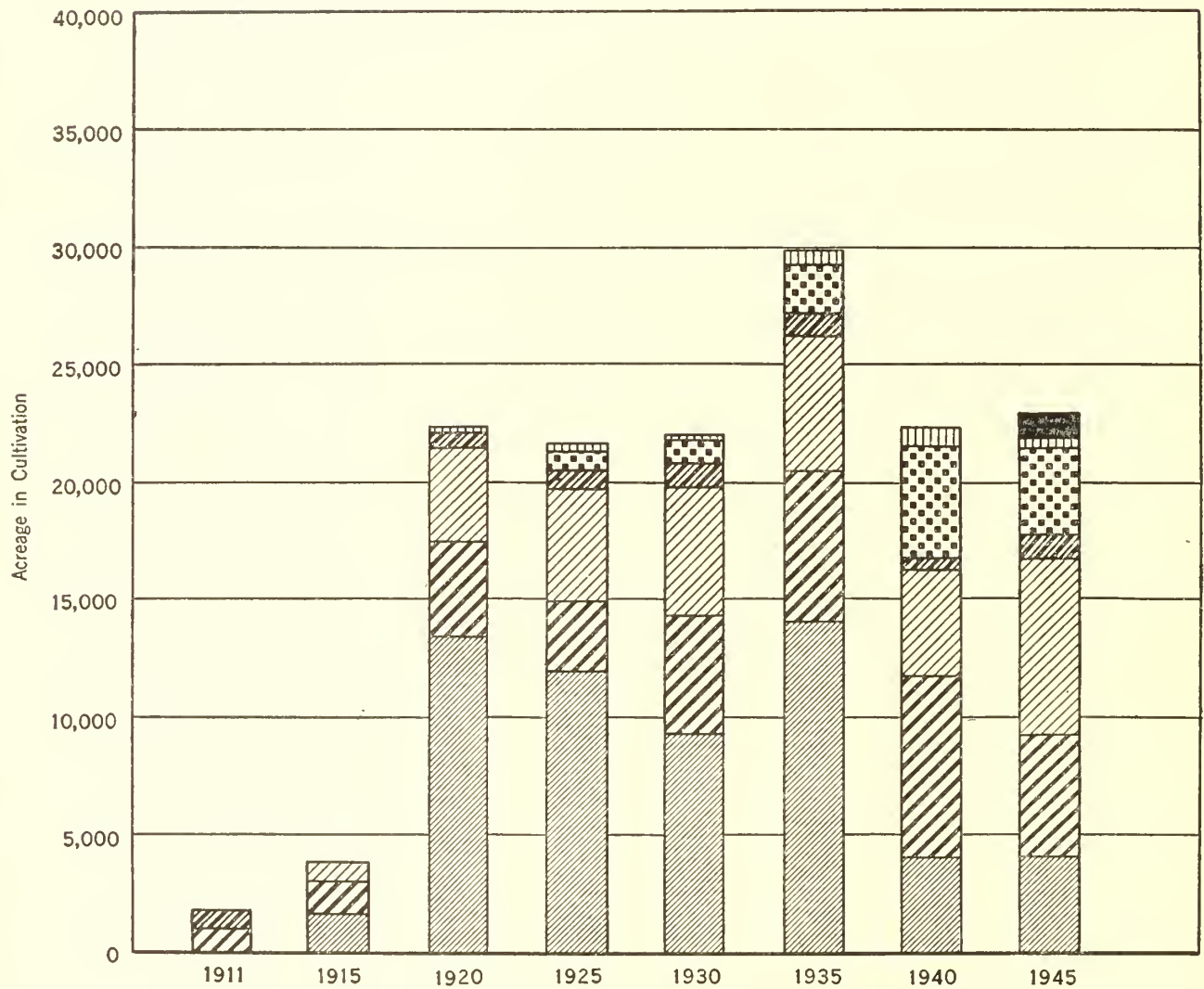
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1911-----	1, 708	\$22, 282	\$13. 05
1912-----	3, 020	43, 305	14. 34
1913-----	2, 459	24, 004	9. 76
1914-----	2, 163	34, 618	16. 00
1915-----	3, 887	51, 249	13. 18
1916-----	4, 592	70, 016	15. 25
1917-----	10, 893	208, 335	19. 13
1918-----	23, 800	408, 716	17. 17
1919-----	24, 099	600, 864	24. 93
1920-----	22, 330	332, 200	14. 88
1921-----	16, 110	129, 830	8. 06
1922-----	18, 150	202, 110	11. 14
1923-----	19, 220	159, 970	8. 32
1924-----	14, 530	177, 360	12. 21
1925-----	21, 680	328, 118	15. 13
1926-----	18, 650	352, 870	18. 92
1927-----	14, 680	220, 900	15. 05
1928-----	15, 820	211, 195	13. 35

See footnote at end of table.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1929-----	17, 010	\$359, 850	\$21. 16
1930-----	22, 023	361, 820	16. 43
1931-----	19, 991	352, 892	17. 65
1932-----	22, 340	244, 572	10. 95
1933-----	23, 088	354, 106	15. 34
1934-----	25, 795	470, 634	18. 25
1935-----	29, 899	486, 769	16. 28
1936-----	27, 542	489, 234	17. 76
1937-----	25, 801	517, 379	20. 05
1938-----	26, 113	553, 538	21. 20
1939-----	18, 276	420, 971	23. 03
1940-----	22, 219	557, 459	25. 09
1941-----	20, 570	534, 762	26. 00
1942-----	17, 991	599, 019	33. 30
1943-----	17, 512	669, 859	38. 25
1944-----	23, 133	885, 885	38. 30
1945-----	22, 842	963, 149	42. 21

¹ Includes Government benefit payments.

MILK RIVER PROJECT, MONTANA MALTA AND GLASGOW DIVISIONS CROP HISTORY



- Alfalfa
 - Seed Crops
 - Other Hay, Forage & Pasture
 - Sugar Beets
 - Grains
 - Vegetables, Truck and Others
- Soil Improvement

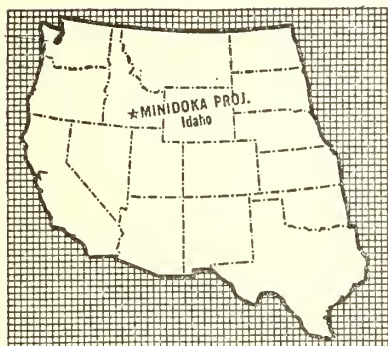
Water Service Commenced in 1911

Minidoka Project

Idaho . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

American Falls Reservoir.—A number of irrigation districts and companies have contracted for the purchase of storage in the American Falls Reservoir and have contracted to repay a total of

\$5,613,339. As of June 30, 1946, a total of \$4,028,637, or 72 percent, had become due and \$4,022,527 had been paid. The unpaid balance of \$6,110 has since been paid.

The United States operates the American Falls Reservoir for the benefit of the Minidoka project and has collected \$694,556 for operation and

maintenance of this reservoir and the Jackson Lake Reservoir.

Power revenues derived from the Lake Walcott plant credited to the Gravity Division of the project, are applied on the district's annual installments for American Falls storage.

Determination of repayment obligation as of June 30, 1946:

Cost	\$7, 350, 076
Interest on investment	194, 816
Penalties funded	7, 720
	<hr/>
Total	7, 552, 612
Less construction revenues	76, 437
	<hr/>
Net	7, 476, 175
Chargeable to new divisions	1, 862, 836
	<hr/>
Total	5, 613, 339

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1924	\$4,562,782	\$33,607		\$33,607	\$33,607		\$33,607	\$33,607	
1925	3,347,638	2,005,684		2,005,684	1,536,621		1,536,621	1,570,228	
1926	3,190,331	919,407		919,407	953,014	\$405,776	1,358,790	2,929,018	
1927	3,344,376	385,678		385,678	330,064		330,064	3,259,082	
1928	3,344,376	0		0	0		0	3,259,082	
1929	¹ 6,127,796	33,420		33,420	33,420	85,294	118,714	3,377,796	
1930	5,360,369	² 3,575		² 3,575	² 3,575		² 3,575	3,374,221	
1931	5,361,083	1,375		1,375	1,375		1,375	3,375,596	
1932	5,482,969	35,187	² \$714	34,473	35,187	² 714	34,473	3,410,069	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for years 1932, \$29,158; 1933, \$58,095; 1934, \$58,659; 1935, \$59,223; 1936, \$29,893.
1933	5,489,638	36,768		36,768	36,778	² 9,270	27,508	3,437,577	
1934	5,498,928	12,493	² 9,260	3,233	12,493		12,493	3,450,070	
1935	5,392,237	45,723		45,723	45,723		45,723	3,495,793	
1936	5,540,922	7,664		7,664	6,969		6,969	3,502,762	
1937	5,541,687	15,328		15,328	3,034	695	3,729	3,506,491	
1938	5,561,872	58,762		58,762	43,682	12,523	56,205	3,562,696	
1939	5,582,363	80,094		80,094	45,900	9,409	55,309	3,618,005	
1940	5,582,363	15,328		15,328	9,732	28,394	38,126	3,656,131	
1941	5,582,363	39,111		39,111	33,270		33,270	3,689,401	
1942	5,613,339	89,449		89,449	84,610	13,937	98,547	3,787,948	
1943	5,613,339	64,163	² 23,783	40,380	45,218	8,743	53,961	3,841,909	
1944	5,613,339	64,726		64,726	53,634		53,634	3,895,543	
1945	5,613,339	65,291		65,291	52,481	11,092	63,573	3,959,116	
1946	5,613,339	56,711		56,711	50,601	12,810	63,411	4,022,527	
Total		4,062,394	² 33,757	4,028,637	3,443,838	578,689	4,022,527		
Collected				4,022,527					
Uncollected				6,110					

¹ Decrease. Decrease covers amounts deferred under relief acts.

² Increase in obligation covers sale of 400,000 acre-feet of storage to American Falls Reservoir District No. 2 and 50,000 acre-feet to Minidoka Irrigation District.

Repayment under present contracts is scheduled to be completed in 1960, including amounts deferred.

Contracts

1922 to 1926. 25 irrigation districts, companies, and individuals, entered into contracts for 735,321 acre-feet of storage and advanced a proportionate share of the estimated construction cost of the reservoir prior to and during the source of construction.

1927, Feb. 11. Contract with Minidoka Irrigation District for purchase of 50,000 acre-feet, payable in 60 equal semiannual installments.

1927, Sept. 21. Contract with American Falls Reservoir District No. 2 for purchase of 400,000 acre-feet, payable in 80 equal semiannual installments.

1932, May 5, and 1933, May 1. Contracts with Aberdeen Springfield Canal Co. for purchase of 2,086 acre-feet, payable at time of purchase.

1934, 1938, and 1942. Contracts with Enterprise Irrigation District for purchase of 12,000 acre-feet, payable at time of purchase.

1938, Apr. 1. Contract with Rudy Irrigation Canal Co. for purchase of 2,000 acre-feet, payable at time of purchase.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors			
	Various districts paid in full	American Falls Reservoir District No. 2	Minidoka Irrigation District ²	American Falls Reservoir District
Contract obligation (total \$5,613,339)	\$3,489,529	\$1,772,526	\$221,499	\$129,785
Due to June 30—1946	3,489,529	309,184	100,139	129,785
1947		47,567	9,102	
1948		47,567	6,068	
1949		47,567	6,068	
1950		71,014	6,068	
1951		71,014	6,068	
1952		71,014	6,068	
1953		88,983	6,068	
1954		59,390	6,068	
1955		65,202	6,068	
1956		71,014	6,068	

See footnotes at end of table.

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors			
		Various districts paid in full	American Falls Reservoir District No. 2	Minidoka Irrigation District ²	American Falls Reservoir District
	Due to June 30—1957		\$71,014	\$6,068	
	1958		71,014	6,068	
	1959		59,122	6,068	
	1960		47,230	6,068	
	1961		35,339	6,068	
	1962		23,447	6,068	
	1963		23,477	6,068	
	1964		23,447	6,068	
	1965		23,447	6,068	
	1966		23,447	3,034	
	1967		23,447		
	1968		23,447		
	1969		23,447		
	1970		23,447		
	1971		23,447		
	1972		23,447		
	1973		23,447		
	1974		23,447		
	1975		23,447		
	1976		23,447		
	1977		23,447		
	1978		23,447		
	1979		23,447		
	1980		23,447		
	1981		23,447		
	1982		23,447		
	1983		23,447		
	1984		23,457		

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments. Does not include revenues from the lease of unsold water.

² For the Minidoka Irrigation District, the installments listed above include power credits.

Gooding Division

The American Falls Reservoir District No. 2 has contracted to repay a total of \$5,092,913 for construction of the irrigation system serving lands in the Gooding Division. Repayments commenced in 1929, and by June 30, 1946, a total of \$1,169,797, or 23 percent, had become due and had been paid.

The American Falls Reservoir District No. 2 operates the irrigation system, and the United States operates the storage works.

Part of the project costs, in the amount of \$2,178,568, are to be repaid by new lands under the Milner-Gooding Canal in the vicinity of Hunt, Idaho, now being settled. These costs

will be scheduled following completion of settlement.

Determination of repayment obligation as of June 30, 1946:

Cost	\$4,213,233
Penalties funded	1,454
	4,214,687
Total	4,214,687
Less construction revenues	2,173
	4,212,514
Net	4,212,514
Future work	638,905
	4,851,419
Total	4,851,419
Adjustments to be made	241,494
	5,092,913
Total	5,092,913

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1929	\$5, 223, 500	\$140, 000		\$140, 000	\$140, 000		\$140, 000	\$140, 000	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1932, \$66,013; 1933, \$129,118; 1934, \$129,118; 1935, \$129,118; 1936, \$64,559. Deferred under Acts of Aug. 21, 1937, May 31, 1939, and Aug. 4, 1939, for years 1937, \$64,559; 1938, \$64,559; 1939, \$64,559; 1940, \$64,559; 1941, \$64,559.
1930	5, 257, 900	117, 900		117, 900	117, 900		117, 900	257, 900	
1931	5, 279, 580	21, 680		21, 680	21, 680		21, 680	279, 580	
1932	5, 279, 798	218		218	218		218	279, 798	
1933	5, 279, 798	0		0	0		0	279, 798	
1934	5, 288, 417	0		0	0		0	279, 798	
1935	5, 290, 079	1, 662		1, 662	1, 662		1, 662	281, 460	
1936	5, 290, 079	0		0	0		0	281, 460	
1937	5, 283, 449	0		0	0		0	281, 460	
1938	5, 282, 913	64, 559		64, 559	64, 559		64, 559	346, 019	
1939	5, 282, 913	129, 118		129, 118	77, 483		77, 483	423, 502	
1940	5, 282, 913	0		0		\$51, 635	51, 635	475, 137	
1941	5, 282, 913	64, 559		64, 559	64, 559		64, 559	539, 696	
1942	5, 282, 913	129, 118		129, 118	107, 352		107, 352	647, 048	
1943	5, 282, 913	64, 559		64, 559	64, 559	21, 766	86, 325	733, 373	
1944	5, 282, 913	129, 118		129, 118	129, 118		129, 118	862, 491	
1945	¹ 5, 092, 913	153, 653		153, 653	153, 653		153, 653	1, 016, 144	
1946	5, 092, 913	153, 653		153, 653	153, 653		153, 653	1, 169, 797	
Total		1, 169, 797		1, 169, 797	1, 096, 396	73, 401	1, 169, 797		
Collected				1, 169, 797					
Uncollected				0					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1929			1928, June 30. Contract with North Side Canal Co. providing for use by company of upper end of Milner Canal, funds to be advanced by company as construction work progresses. Amount advanced, \$281,460. 1927, Sept. 21. Contract with American Falls Reservoir District No. 2. Contract provides for construction of Milner Canal to furnish additional water to old lands of the district and for construction of complete irrigation system for new lands. Construction charge for old lands to be paid in 20 years and for new lands in 40 years. Maximum obligation, \$5,000,000.
1930	\$500		
1931	258	\$758	
1932	1, 087	1, 087	
1933	3, 013	3, 013	
1934	2, 066	2, 066	
1935	3, 277	3, 277	
1936	² 3, 468	² 3, 468	
1937			
1938			
1939			
1940			
1941			
1942			
1943	803	803	
1944	365	365	
1945	406	406	
1946	600	0	
	8, 907	8, 307	

¹ Adjustment of obligation covers decrease in estimated cost.

² Decrease.

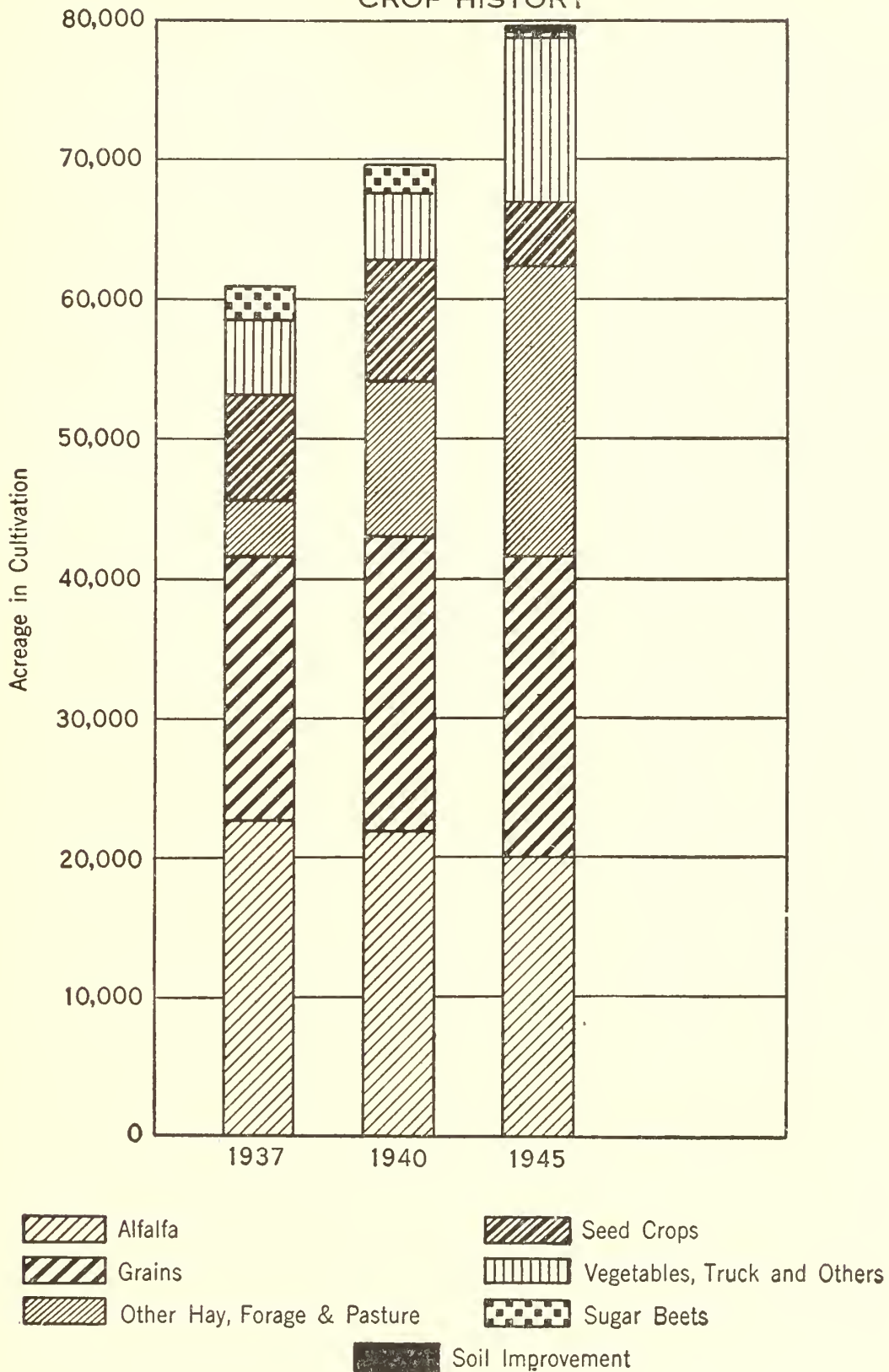
This division is on a 20-year to 40-year repayment basis.

Operation and maintenance of irrigation system by the American Falls Reservoir District No. 2; reserved works operated by United States.

MINIDOKA PROJECT, IDAHO

GOODING DIVISION

CROP HISTORY



Water Service Commenced in 1931

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors		
		American Falls Reservoir District No. 2 old lands	American Falls Reservoir District No. 2 new lands	North Side Canal Company ²
Contract obligation (total \$5,092,913) -----		\$2, 583, 815	\$2, 227, 638	\$281, 460
	Due to June 30—1946 -----	839, 268	49, 069	281, 460
	1947 -----	129, 118	24, 535	-----
	1948 -----	129, 118	24, 535	-----
	1949 -----	129, 118	24, 535	-----
	1950 -----	129, 118	60, 142	-----
	1951 -----	129, 118	60, 142	-----
	1952 -----	129, 118	60, 142	-----
	1953 -----	177, 899	60, 142	-----
	1954 -----	97, 566	60, 142	-----
	1955 -----	113, 342	60, 142	-----
	1956 -----	129, 118	60, 142	-----
	1957 -----	129, 118	60, 142	-----
	1958 -----	129, 118	60, 142	-----
	1959 -----	96, 839	60, 142	-----
	1960 -----	64, 559	60, 142	-----
	1961 -----	32, 280	60, 142	-----
	1962 -----	-----	60, 142	-----
	1963 -----	-----	60, 142	-----
	1964 -----	-----	60, 142	-----
	1965 -----	-----	60, 142	-----
	1966 -----	-----	60, 142	-----
	1967 -----	-----	60, 142	-----
	1968 -----	-----	60, 142	-----
	1969 -----	-----	60, 142	-----
	1970 -----	-----	60, 142	-----
	1971 -----	-----	60, 142	-----
	1972 -----	-----	60, 142	-----
	1973 -----	-----	60, 142	-----
	1974 -----	-----	60, 142	-----
	1975 -----	-----	60, 142	-----
	1976 -----	-----	60, 142	-----
	1977 -----	-----	60, 142	-----
	1978 -----	-----	60, 142	-----
	1979 -----	-----	60, 142	-----
	1980 -----	-----	60, 142	-----
	1981 -----	-----	60, 142	-----
	1982 -----	-----	60, 142	-----
	1983 -----	-----	60, 142	-----
	1984 -----	-----	60, 136	-----

¹ Does not include District's share of the cost of American Falls Reservoir, pay out for which is shown separately.

² Obligation paid in full from 1928 to 1935.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1935 -----	62, 339	\$1, 189, 254	\$19. 08
1936 -----	60, 696	1, 376, 136	22. 67
1937 -----	60, 972	1, 710, 731	28. 06
1938 -----	62, 151	1, 323, 645	21. 30
1939 -----	68, 154	1, 317, 563	19. 33
1940 -----	69, 613	1, 468, 854	21. 10
1941 -----	67, 636	2, 198, 170	32. 50
1942 -----	72, 148	2, 782, 693	38. 57
1943 -----	74, 820	3, 735, 438	49. 93
1944 -----	76, 682	4, 050, 020	52. 82
1945 -----	79, 627	3, 674, 595	46. 15

¹ Includes Government benefit payments.

Gravity Division

The Gravity Division covers lands in the Minidoka Irrigation District on the north side of the Snake River. The district has contracted to repay \$2,846,206 on the construction cost. Repayments commenced in 1908 and on June 30, 1946, a total of \$2,737,580, or 96 percent, had become due. On that date \$2,735,274 had been

paid. The balance of \$2,306 covers delinquencies of a few individuals.

The project irrigation system has been operated by the Minidoka Irrigation District since the year 1916 and the reserved works of the Minidoka project, comprising storage reservoirs, are operated by the United States. A total of \$779,346 has been collected from the project water users for operation and maintenance by the United States.

Power credits from the plant at Lake Walcott due the Gravity Division are applied annually on the obligation for American Falls storage water.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$2, 851, 482
Operation and maintenance funded.....	10, 766
Penalties funded.....	14, 913
Total.....	2, 877, 161
Less construction revenues.....	52, 924
Net.....	2, 824, 237
Cost as above.....	2, 824, 237
Adjustment to be made.....	21, 969
Total.....	2, 846, 206

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks	
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total			
1908.....		\$135, 546		\$135, 546	\$3, 149		\$3, 149	\$3, 149		
1909.....		132, 535		132, 535			127, 716	130, 865		
1910.....		132, 470		132, 470	383, 551		135, 645	266, 510		
1911.....		138, 055		138, 055			120, 190	386, 700		
1912.....		85, 965	¹ \$362, 120	¹ 276, 155	41, 788	¹ \$212, 030	¹ 170, 242	216, 458	1912. Adjustment under 1911 public notice.	
1913.....		100, 312	¹ 30, 784	69, 528	63, 244	13, 387	76, 631	293, 089	1914. Reclamation Extension Act, Aug. 13, 1914.	
1914.....		119, 154	¹ 53, 399	65, 755	75, 987	¹ 22, 485	53, 502	346, 591		
1915.....	\$1, 899, 682	38, 089	49, 177	87, 266	25, 558	96, 797	122, 355	468, 946		
1916.....		32, 002	¹ 7, 988	24, 014	22, 901	7, 956	30, 857	499, 803		
1917.....	2, 735, 362			117, 564			116, 531	616, 334		
1918.....	2, 823, 708			¹ 21, 782			52, 324	668, 658		
1919.....	2, 862, 531			89, 212			84, 057	752, 715		
1920.....	2, 878, 974			83, 459			87, 773	840, 488		
1921.....	2, 880, 068	} 1, 009, 006			} 798, 034			78, 710	919, 198	
1922.....	2, 879, 419							106, 791	1, 025, 989	
1923.....	2, 862, 311			136, 432			101, 052	1, 127, 041		
1924.....	2, 857, 766			132, 789			108, 507	1, 235, 548		
1925.....	2, 856, 884			135, 088			62, 289	1, 297, 837		
1926.....	2, 854, 868	134, 853	¹ 281	134, 572	56, 113	96, 429	152, 542	1, 450, 379		
1927.....	2, 854, 868	136, 181	4	136, 185	56, 039	90, 102	146, 141	1, 596, 520		
1928.....	2, 854, 868	202, 801	¹ 10, 091	192, 710	141, 729	152, 744	294, 473	1, 890, 993		
1929.....	2, 789, 045	121, 724	¹ 32, 230	89, 494	66, 587	29, 741	96, 328	1, 987, 321		
1930.....	2, 703, 415	117, 723	¹ 52, 201	65, 522	68, 710	26, 503	95, 213	2, 082, 534		
1931.....	2, 701, 467	117, 710	3, 526	121, 236	62, 802	44, 365	107, 167	2, 189, 701		
1932.....	2, 704, 639	116, 770	¹ 12, 633	104, 137	31, 161	7, 336	38, 497	2, 228, 198	} Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Total amount deferred calendar years 1931 to 1936, \$383,797.	
1933.....	2, 724, 994	74, 375	¹ 119, 811	¹ 45, 436	23, 864	2, 298	26, 162	2, 254, 360		
1934.....	2, 739, 999	29, 161	¹ 50, 767	¹ 21, 606	19, 198	4, 806	24, 004	2, 278, 364		
1935.....	2, 739, 999	8, 815	¹ 1, 014	7, 801	6, 219	251	6, 470	2, 284, 834		
1936.....	2, 754, 717	27, 154	¹ 12, 554	14, 600	9, 345	1, 233	10, 578	2, 295, 412		
1937.....	2, 754, 457	75, 260	¹ 18, 649	56, 611	52, 531	2, 256	54, 787	2, 350, 198		
1938.....	2, 760, 958	111, 725	¹ 4, 272	107, 453	61, 832	17, 612	79, 444	2, 429, 643		
1939.....	2, 778, 649	95, 134	¹ 3, 979	91, 155	42, 232	45, 468	87, 700	2, 517, 343		
1940.....	2, 797, 079	66, 281	19	66, 300	28, 943	51, 512	80, 455	2, 597, 793		
1941.....	2, 809, 554	28, 776	368	29, 144	13, 448	38, 693	52, 141	2, 649, 939		
1942.....	2, 811, 685	18, 566	¹ 2, 377	16, 189	11, 576	13, 090	24, 666	2, 674, 605		
1943.....	2, 815, 071	13, 383	194	13, 577	9, 534	8, 528	18, 062	2, 692, 667		
1944.....	2, 836, 029	14, 447	821	15, 268	12, 513	4, 642	17, 155	2, 709, 822		
1945.....	2, 846, 206	14, 656	¹ 2, 067	12, 589	12, 713	¹ 137	12, 576	2, 722, 398		
1946.....	2, 846, 206	13, 018	¹ 959	12, 059	11, 400	1, 476	12, 876	2, 735, 274		
Total.....		3, 461, 647	¹ 724, 067	2, 737, 580	2, 212, 701	522, 573	2, 735, 274			
Collected.....				2, 735, 274						
Uncollected.....				2, 306						

See footnotes at end of table.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices
	Accruals	Collections	
1908.....	\$24,649	\$1,904	1907, Mar. 9. Construction charge \$22 per acre payable in 10 equal annual installments.
1909.....	24,198	27,789	
1910.....	38,088	49,368	1909, Feb. 11. Construction charge \$30 per acre, payable in 10 equal annual installments.
1911.....	47,120	41,515	
1912.....	56,562	56,388	1911, Dec. 30. Construction charge increased to \$30 for all lands and installments graduated. Private land applied for after 1 year, rate \$40 per acre.
1913.....	89,027	18,320	
1914.....	82,443	113,611	1916, Oct. 2. Public notices. Supplemental construction of drainage works, rate \$12 per acre. Payment to be made along with regular construction charges.
1915.....	¹ 2,188	26,074	
1916.....	46,659	53,898	
1917.....	¹ 8,557	¹ 51,840	
1918.....	46,438	18,511	
1919.....	11,730	21,608	
1920.....	15,604	25,482	
1921.....	13,464	23,343	
1922.....	¹ 35,946	23,308	
1923.....	22,669	22,669	
1924.....	25,540	25,540	
1925.....	22,515	12,637	
1926.....	21,529	31,417	
1927.....	21,187	21,187	
1928.....	9,905	9,905	
1929.....	14,861	14,861	
1930.....	11,876	10,855	
1931.....	11,547	12,568	
1932.....	9,644	3,910	
1933.....	10,367	16,103	
1934.....	6,125	6,125	
1935.....	6,414	6,414	
1936.....	5,997	5,997	
1937.....	6,547	6,547	
1938.....	5,555	(²)	
1939.....	5,969	(²)	
1940.....	5,842	(²)	
1941.....	6,730	(²)	
1942.....	8,788	(²)	
1943.....	8,036	(²)	
1944.....	48,417	6,910	
1945.....	24,679	107,106	
1946.....	9,316	9,316	
Total.....	779,346	779,346	

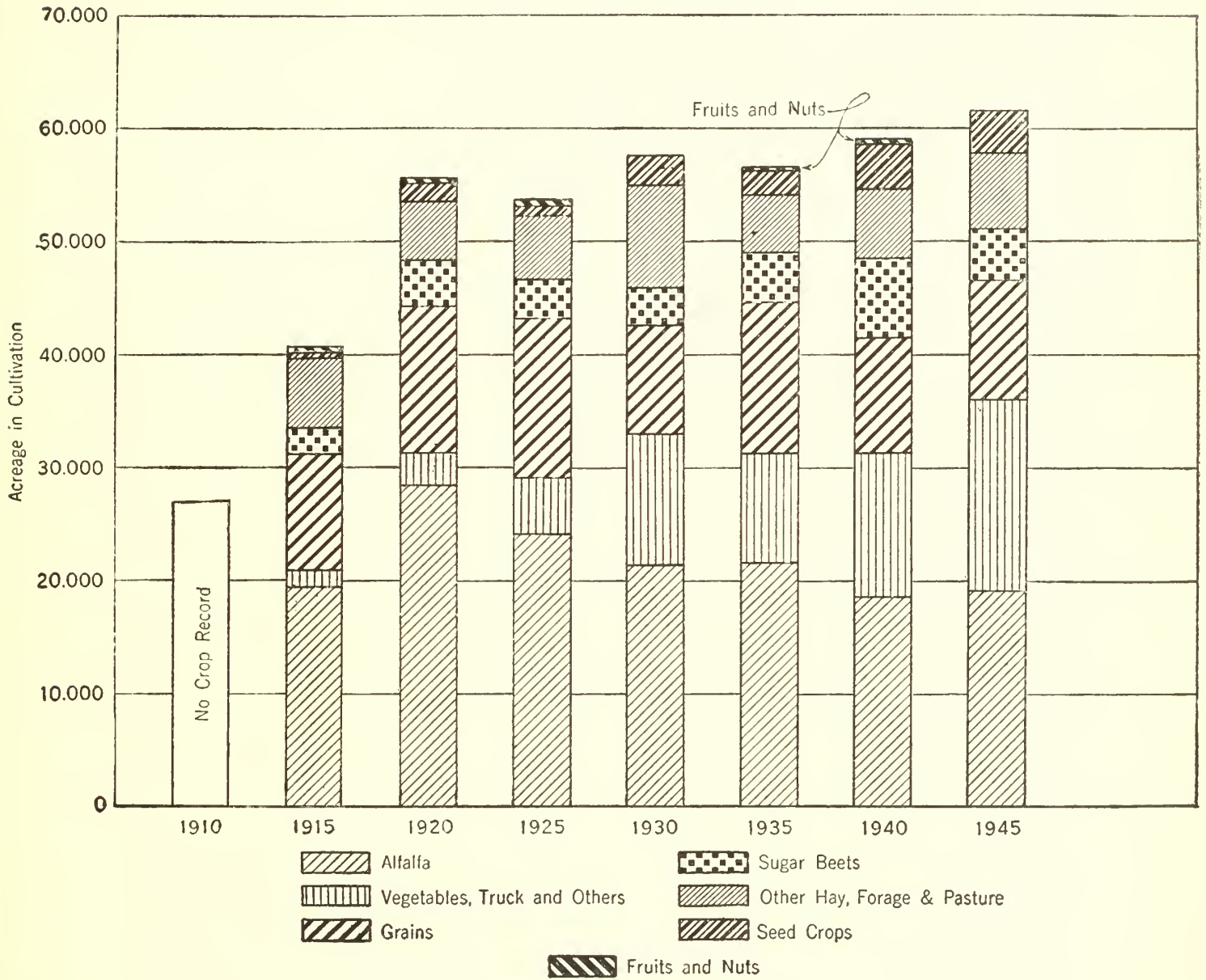
¹ Decrease. Decreases are due to cancellations of water-right applications and to funding of delinquent charges.

² Paid from power credits which were distributed in 1945.

This division is on a 20-year repayment basis.

Operation and maintenance by the Minidoka Irrigation District since 1917; reserve works operated by the United States.

MINIDOKA PROJECT, IDAHO
GRAVITY DIVISION
CROP HISTORY



Water Service Commenced in 1907

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands		\$2, 835, 631
Suspended lands (temporarily unproductive)		² 10, 575
Total amount repayable		2, 846, 206
	Due to June 30—1946	2, 737, 580
	1947	9, 015
	1948	9, 100
	1949	9, 065
	1950	9, 049
	1951	9, 017
	1952	8, 764
	1953	6, 631
	1954	6, 328
	1955	5, 899
	1956	5, 256
	1957	4, 371
	1958	3, 509
	1959	3, 058
	1960	2, 537
	1961	1, 985
	1962	1, 549
	1963	1, 448
	1964	980
	1965	490

¹ Recently approved individual water applications, on a 20-year repayment basis, account for extended repayment period in small amounts.
² Lands considered temporarily unproductive on which charges are not currently assessed.

Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining instalments.
 No power credits are applied on this account. Does not include district's share of the cost of American Falls Reservoir, pay-out for which is shown separately.

Contractor: Minidoka Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1911	32, 995	\$333, 214	\$10. 10
1912	35, 392	464, 036	13. 11
1913	36, 879	593, 105	16. 08
1914	39, 138	661, 796	16. 91
1915	40, 618	939, 478	23. 13
1916	44, 365	1, 542, 878	34. 78
1917	51, 675	2, 975, 785	57. 59
1918	56, 670	3, 044, 760	53. 73
1919	57, 068	3, 364, 049	58. 95
1920	55, 640	1, 948, 000	35. 01
1921	57, 400	1, 641, 140	28. 59
1922	57, 520	1, 563, 310	27. 18
1923	55, 680	1, 792, 640	32. 20
1924	50, 340	1, 446, 280	28. 73
1925	53, 838	2, 539, 667	47. 17
1926	54, 540	2, 005, 580	36. 77
1927	54, 340	1, 886, 660	34. 72
1928	55, 730	1, 842, 630	33. 06
1929	56, 730	2, 478, 610	43. 69
1930	57, 724	1, 837, 510	31. 83
1931	56, 745	1, 031, 002	18. 17
1932	57, 552	793, 575	13. 79
1933	56, 455	1, 550, 054	27. 46
1934	49, 941	856, 233	17. 14

See footnote at end of table.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1935	56, 591	\$1, 544, 058	\$27. 28
1936	55, 397	2, 218, 476	40. 05
1937	60, 624	1, 974, 858	32. 58
1938	60, 567	2, 035, 913	33. 61
1939	60, 286	2, 030, 414	33. 68
1940	59, 038	2, 054, 863	34. 81
1941	59, 204	2, 771, 289	46. 81
1942	60, 504	3, 987, 911	65. 91
1943	60, 807	5, 080, 028	83. 54
1944	61, 361	5, 025, 892	81. 91
1945	61, 487	4, 655, 767	75. 72

¹ Includes Government benefit payments.

Jackson Lake Reservoir

A number of irrigation districts have contracted to repay a total of \$474,371 for the purchase of water from Jackson Lake Reservoir. All of this amount had become due on June 30, 1946, and had been paid to the United States. A large portion of the total cost of Jackson Lake Dam, which was \$1,366,871, was advanced by the Twin Falls Canal Co. and the Kuhn Irrigation & Canal Co. prior to construction.

The United States retains title and operates Jackson Lake Dam and Reservoir, as well as American Falls Dam and Reservoir, as storage and control facilities on the Snake River for the benefit of project lands. On June 30, 1946, a total of \$694,556 had been collected from the water users for operation and maintenance of these two dams.

Determination of repayment obligation as of June 30, 1946:

Cost	\$1, 366, 871
Less contributed funds	830, 062
Total	536, 809
Less construction revenues	11, 782
Net	525, 027
Chargeable to new divisions	50, 656
Total	474, 371

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1918	\$429, 413	\$69, 518		\$69, 518			\$69, 518	\$69, 518	
1919	429, 413	33, 157		33, 157			33, 157	102, 675	
1920	429, 413	33, 158		33, 158			33, 158	135, 833	
1921	429, 413	33, 157		33, 157			30, 485	166, 318	
1922	429, 413	33, 157		33, 157	\$300, 436		33, 713	200, 031	
1923	429, 413	33, 158		33, 158			30, 804	230, 835	
1924	429, 413	33, 157		33, 157			37, 628	268, 463	
1925	429, 413	33, 158		33, 158			31, 973	300, 436	
1926	429, 413	39, 998		39, 998	39, 806	\$1, 186	40, 992	341, 428	
1927	429, 413	26, 317		26, 317	25, 635	191	25, 826	367, 254	
1928	429, 413	6, 148		6, 148	5, 775	645	6, 420	373, 674	
1929	429, 413	6, 148		6, 148	5, 821	410	6, 231	379, 905	
1930	473, 926	6, 148		6, 148	6, 148	326	6, 474	386, 379	
1931	473, 926	6, 148		6, 148	6, 148		6, 148	392, 527	
1932	473, 926	50, 661		50, 661	46, 536		46, 536	439, 063	} Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$4,383; 1932, \$5,011; 1933, \$4,135; 1934, \$4,135, and 1935, \$4,135, and 1936, \$2,068.
1933	473, 926	1, 288	¹ \$4, 125	¹ 2, 837	915		915	439, 978	
1934	473, 926	2, 023		2, 023	2, 023	373	2, 396	442, 374	
1935	474, 346	6, 148		6, 148	2, 023		2, 023	444, 397	
1936	475, 232	2, 022	¹ 4, 125	¹ 2, 103	2, 022		2, 022	446, 419	
1937	474, 366	6, 148		6, 148	2, 023		2, 023	448, 442	
1938	474, 371	5, 134	¹ 2, 062	3, 072	752	2, 062	2, 814	451, 256	
1939	474, 371	4, 259		4, 259		4, 383	4, 383	455, 639	
1940	474, 371	4, 135	¹ 4, 259	¹ 124	4, 135		4, 135	459, 774	
1941	474, 371	1, 000		1, 000	1, 000		1, 000	460, 774	
1942	474, 371	3, 000		3, 000	3, 000		3, 000	463, 774	
1943	474, 371	3, 000		3, 000	3, 000		3, 000	466, 774	
1944	474, 371	3, 000		3, 000	3, 000		3, 000	469, 774	
1945	474, 371	3, 000		3, 000	3, 000		3, 000	472, 774	
1946	474, 371	1, 597		1, 597	1, 597		1, 597	474, 371	
Total		488, 942	¹ 14, 571	474, 371	464, 795	9, 576	474, 371		
Collected				474, 371					
Uncollected				0					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1917	\$8, 781	\$60	1917, 16 irrigation districts, canal companies, and individuals, entered into contracts for 62,000 acre-feet of storage, cost payable in 10 equal annual installments. 2 contractors later secured extension to 20 years. 1926, Mar. 25. Contract with Burley Irrigation District for purchase of 50,000 acre-feet, payable from power profits. 1927, Feb. 11. Contract with Minidoka Irrigation District for purchase of 7, 810 acre-feet, payable from power profits.
1918	19, 075	9, 902	
1919	18, 281	36, 175	
1920	10, 297	10, 297	
1921	13, 953	13, 567	
1922	12, 817	13, 026	
1923	23, 422	23, 418	
1924	23, 548	23, 718	
1925	15, 960	15, 967	
1926	16, 149	16, 047	
1927	19, 040	19, 133	
1928	48, 716	47, 784	
1929	47, 761	42, 117	
1930	42, 550	46, 293	
1931	22, 874	25, 719	
1932	26, 075	24, 972	
1933	12, 543	13, 030	
1934	12, 886	13, 504	
1935	16, 966	16, 870	
1936	21, 880	21, 728	
1937	26, 022	26, 268	
1938	15, 043	15, 045	
1939	16, 468	16, 468	
1940	22, 810	22, 810	
1941	36, 538	36, 538	
1942	91, 072	66, 943	
1943	6, 347	30, 476	
1944	5, 750	5, 750	
1945	20, 013	19, 774	
1946	21, 042	21, 157	
Total	694, 679	694, 556	

¹ Decrease. Decrease covers amounts deferred under relief acts.
 Repayment completed.
 Operation and maintenance covers both Jackson Lake and American Falls Reservoirs.

*South Side
Pumping Division*

The Burley Irrigation District has assumed a contract obligation of \$3,075,139 for construction of the South Side Pumping Division, on the south side of the Snake River. On June 30, 1946, a total of \$2,274,987, or 74 percent, had become due and had been paid.

The district is currently repaying construction costs under the 5 percent crop repayment plan authorized by the act of December 5, 1924. The United States operates the storage system and a short stretch of the main canal with funds advanced, in part, by the Burley Irrigation District and the district operates the distribution system. A total of \$1,420,292 has been collected from the water users for operation and maintenance.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$3, 224, 555
Operation and maintenance funded.....	255, 726
Penalties funded.....	91, 865
<hr/>	
Total.....	3, 572, 146
Less construction revenues.....	532, 444
<hr/>	
Total.....	3, 039, 702
Less charge-off, act of May 26, 1926	2, 288
<hr/>	
Net.....	3, 037, 414
Cost as above.....	3, 037, 414
Adjustment to be made.....	37, 725
<hr/>	
Total.....	3, 075, 139

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1916.....		\$4, 249		\$4, 249	\$4, 249		\$4, 249	\$4, 249	
1917.....	\$2, 704, 557	57, 118		57, 118	55, 736		55, 736	59, 985	
1918.....	2, 727, 526	49, 730		49, 730	44, 663		44, 663	104, 648	
1919.....	2, 752, 009	53, 187		53, 187	52, 837		52, 837	157, 485	
1920.....	2, 760, 547			50, 135			50, 708	208, 193	
1921.....	2, 767, 475			97, 407			38, 520	246, 713	
1922.....	2, 767, 159			108, 793			77, 989	324, 702	
1923.....	2, 747, 341	728, 789		158, 127	370, 404		73, 820	398, 522	
1924.....	2, 747, 341			153, 019			98, 120	496, 642	
1925.....	2, 750, 884			161, 308			31, 247	527, 889	
1926.....	2, 756, 970	162, 822	\$39	162, 861	39, 352	\$32, 328	71, 680	599, 569	
1927.....	¹ 3, 082, 770	112, 631	² 452, 325	² 339, 694	74, 629	3, 986	78, 615	678, 184	1927. Adjustment under 1926 contract.
1928.....	3, 082, 770	112, 529	² 237	112, 292	112, 529	37, 819	150, 348	828, 532	
1929.....	3, 082, 770	108, 126		108, 126	82, 314		82, 314	910, 846	
1930.....	3, 082, 110	105, 983	² 121	105, 862	105, 862	25, 812	131, 674	1, 042, 520	
1931.....	3, 087, 052	59, 105		59, 105	59, 105		59, 105	1, 101, 625	
1932.....	3, 080, 139	100, 602		100, 602	100, 602		100, 602	1, 202, 227	
1933.....	3, 080, 139	97, 393		97, 393	97, 394		97, 394	1, 299, 621	
1934.....	3, 080, 139	90, 997		90, 997	90, 997		90, 997	1, 390, 618	
1935.....	3, 075, 139	85, 581		85, 581	85, 581		85, 581	1, 476, 199	
1936.....	3, 075, 139	83, 533		83, 533	83, 533		83, 533	1, 559, 732	
1937.....	3, 075, 139	64, 291		64, 291	64, 291		64, 291	1, 624, 023	
1938.....	3, 075, 139	61, 823		61, 823	37, 409		37, 409	1, 661, 432	
1939.....	3, 075, 139	62, 877		62, 877	1, 931		1, 931	1, 663, 363	
1940.....	3, 075, 139	63, 924		63, 924	63	30, 856	30, 919	1, 694, 282	
1941.....	3, 075, 139	62, 855		62, 855	14		14	1, 694, 296	
1942.....	3, 075, 139	62, 855		62, 855	181, 206		244, 061	1, 938, 357	
1943.....	3, 075, 139	67, 419		67, 419	67, 419		67, 419	2, 005, 776	
1944.....	3, 075, 139	78, 438		78, 438	32, 413		32, 413	2, 038, 189	
1945.....	3, 075, 139	91, 594		91, 594	21, 489		21, 489	2, 059, 678	
1946.....	3, 075, 139	99, 180		99, 180	99, 180	116, 129	215, 309	2, 274, 987	
Total.....		2, 727, 631	² 452, 644	2, 274, 987	1, 476, 447	428, 136	2, 274, 987		
Collected.....				2, 274, 987					
Uncollected.....				0					

See footnotes at end of table.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1916			1915, Nov. 3. Public notice. Construction charge \$56.50 and \$57.50 per acre, payable in 20 graduated annual instalments.
1917	\$63, 161	\$57, 212	
1918	95, 241	80, 844	1926, Mar. 15. Contract with Burley Irrigation District under which district assumed obligations under individual water-right applications. Delinquent charges and penalties funded. Repayment to be on crop production basis, annual payment 5 per cent of gross average acre income for preceding 10 years.
1919	105, 922	110, 023	
1920	95, 657	92, 758	
1921	200, 775	55, 179	
1922	121, 706	135, 908	
1923	98, 496	72, 233	
1924	93, 954	77, 843	
1925	78, 259	37, 042	
1926	98, 143	50, 275	
1927	² 251, 290	30, 678	
1928	35, 642	35, 556	
1929	30, 432	30, 557	
1930	24, 609	23, 044	
1931	21, 344	22, 909	
1932	26, 193	26, 193	
1933	24, 093	24, 093	
1934	21, 666	21, 666	
1935	21, 886	21, 886	
1936	27, 750	27, 750	
1937	47, 907	47, 907	
1938	49, 133	49, 133	
1939	24, 829	17, 694	
1940	28, 412	21, 256	
1941	30, 495	23, 578	
1942	39, 910	49, 208	
1943	44, 726	56, 637	
1944	51, 706	44, 313	
1945	22, 705	16, 053	
1946	46, 830	60, 864	
Total	1, 420, 292	1, 420, 292	

¹ Increase in obligation due to funding of delinquent operation and maintenance charges and penalties.
² Decrease. Decreases due to funding of delinquent charges under 1926 contract.

This division is on a crop repayment basis.
 Operation and maintenance by the Burley Irrigation District since 1927 except for reserved works which are operated by the United States.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands		\$3, 074, 132
Suspended lands (temporarily unproductive) ²		1, 007
Total amount repayable		3, 075, 139
	Due to June 30—	
	1946	2, 274, 987
	1947	158, 626
	1948	112, 336
	1949	95, 943
	1950	88, 365
	1951	79, 319
	1952	71, 538
	1953	61, 310
	1954	48, 029
	1955	34, 806

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	Due to June 30—	
	1956	\$24, 850
	1957	14, 092
	1958	5, 623
	1959	2, 369
	1960	922
	1961	614
	1962	194
	1963	98
	1964	46
	1965	31
	1966	25
	1967	9

¹ Average of 1939-44 crop returns used in estimating repayment 1947 through 1967.
² Lands considered temporarily unproductive on which charges are not currently assessed.

See footnotes at end of table.

Contractor: Burley Irrigation District.

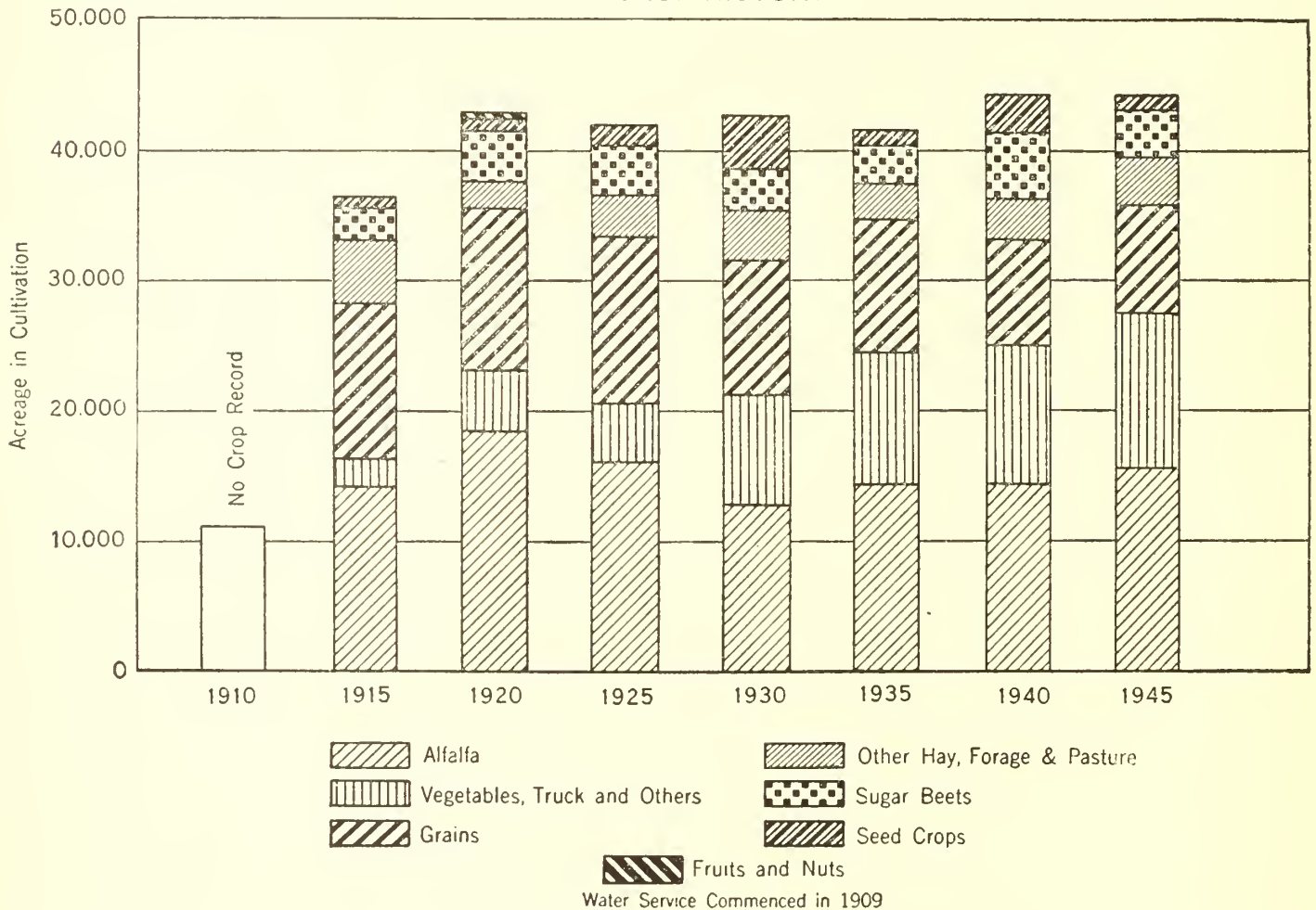
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1911	19,947	\$307,781	\$15.43
1912	25,662	386,718	15.07
1913	29,362	543,347	18.51
1914	33,512	558,059	16.65
1915	36,390	786,037	21.60
1916	36,997	1,257,555	33.99
1917	40,781	2,143,258	52.56
1918	41,512	2,123,318	51.15
1919	41,780	2,562,210	61.33
1920	42,940	2,099,200	48.89
1921	43,320	1,768,140	40.82
1922	42,290	1,456,040	34.43
1923	42,000	1,660,860	39.54
1924	40,720	1,186,910	29.15
1925	41,917	2,382,423	56.84
1926	42,260	1,666,720	39.44
1927	42,570	1,453,090	34.13
1928	42,765	1,479,086	34.59

See footnote at end of table.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1929	42,612	\$1,939,298	\$45.51
1930	42,266	1,368,774	32.38
1931	42,039	849,969	20.22
1932	42,361	651,000	15.37
1933	42,132	1,364,871	32.40
1934	34,713	792,581	22.83
1935	41,877	1,307,210	31.22
1936	42,392	1,855,158	43.76
1937	42,131	1,540,869	36.57
1938	46,169	1,645,989	35.65
1939	43,780	1,554,903	35.52
1940	44,153	1,602,640	36.30
1941	43,961	2,418,995	55.03
1942	44,219	3,339,478	75.52
1943	44,302	3,984,538	89.94
1944	44,401	3,914,230	88.16
1945	44,293	3,811,573	86.05

¹Includes Government benefit payments.

MINIDOKA PROJECT, IDAHO SOUTH SIDE PUMPING DIVISION CROP HISTORY



*Upper Snake
River Storage*

In 1935, the Fremont-Madison Irrigation District contracted with the United States to pay for the construction of Island Park and Grassy Lake dams and reservoirs on the Upper Snake River in Idaho and Wyoming, respectively. Repayments under the contract commenced in 1940. The total obligation at the present time is \$2,760,000, and as of June 30, 1946, a total of \$424,372, or 15 percent had been paid. The project is current in its payments.

The United States operates the reserved works, i. e., storage reservoirs, and the Fremont-Madison Irrigation District operates the distribution sys-

tem which was built with private funds. The district advances funds for Government operation of the reservoirs. To June 30, 1946, the sum of \$77,977 had been collected for operation and maintenance by the United States.

Determination of repayment obligation as of June 30, 1946:

Cost	\$2,777,487
Less construction revenues	1,697
Net	2,775,790
Adjustment to be made	¹ 15,790
Total	2,760,000

¹ Decrease. Decrease covers amount deferred under 1939 act.

Construction Repayments

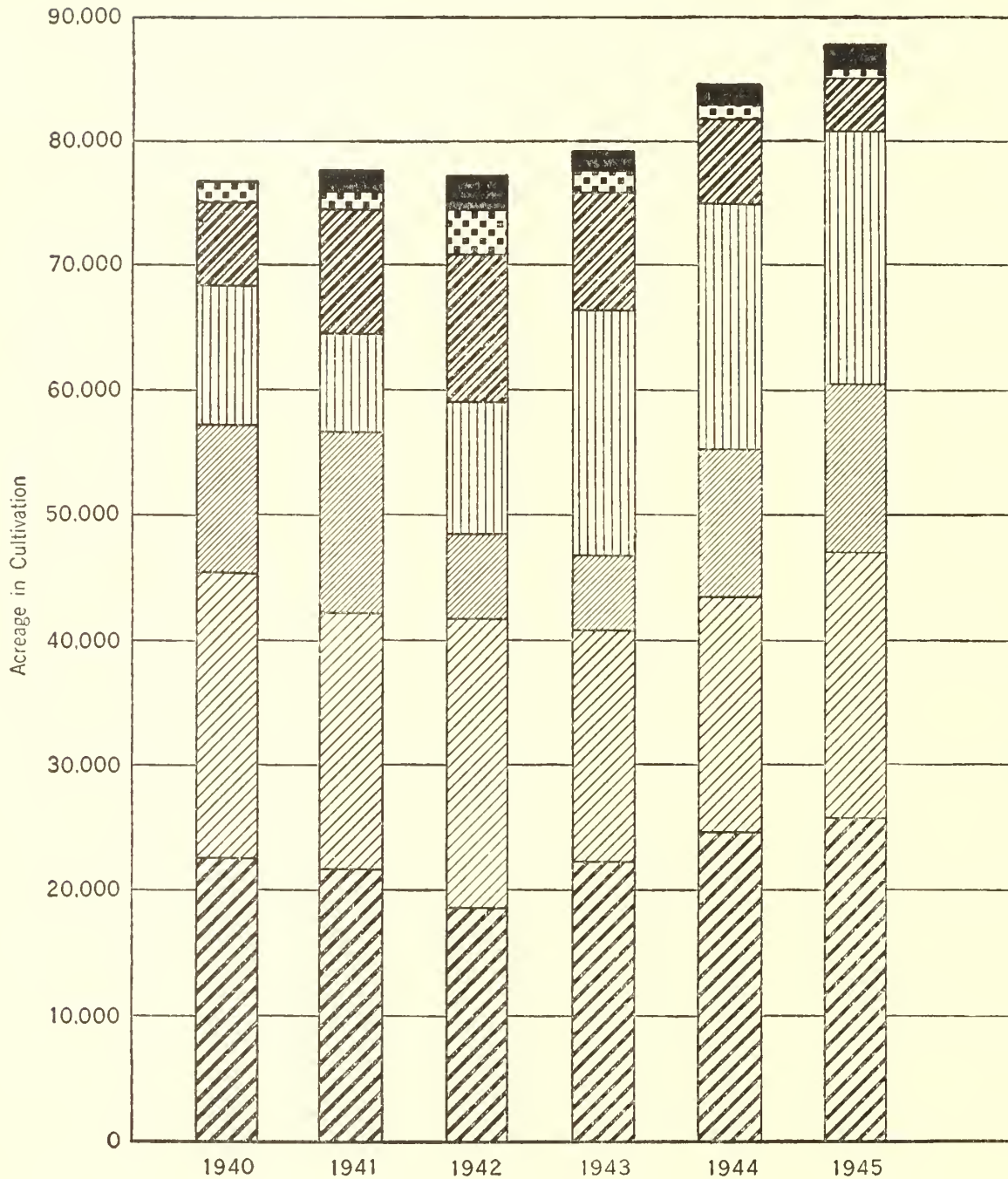
Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1936	\$3,000,000								
1937	3,000,000								
1938	3,000,000								
1939	3,000,000								
1940	3,000,000	\$35,750		\$35,750					
1941	3,000,000	69,000	¹ \$49,550	19,450	\$35,842		\$35,842	\$35,842	Part of construction charges for calendar year 1939, \$48,300, deferred under act of Aug. 4, 1939.
1942	3,000,000	73,830		73,830	36,908	\$19,358	56,266	92,108	
1943	3,000,000	73,852		73,852	64,931	36,922	101,853	193,961	
1944	3,000,000	73,830		73,830	73,830	8,921	82,751	276,712	
1945	² 2,760,000	73,830		73,830	73,830		73,830	350,542	
1946	2,760,000	73,830		73,830	73,830		73,830	424,372	
Total		473,922	¹ 49,550	424,372	359,171	65,201	424,372		
Collected				424,372					
Uncollected				0					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1940	\$10,000	\$9,952	1935, July 15. Contract with Fremont-Madison Irrigation District. Contract covers construction of Island Park and Grassy Lake Reservoirs. Payment to be made in 40 equal annual installments.
1941	6,000	6,048	
1942	6,466	6,466	
1943	11,347	7,981	
1944	9,997	13,363	
1945	10,922	10,922	
1946	23,245	23,245	
Total	77,977	77,977	

¹ Decrease. Decrease covers amount deferred under 1939 act.
² Adjustment of obligation covers reduction in estimated cost of construction.

This division is on a 40-year repayment basis. Operation and maintenance of irrigation system by the Fremont-Madison Irrigation District; reserved works operated by United States.

MINIDOKA PROJECT, IDAHO UPPER SNAKE RIVER STORAGE CROP HISTORY



- | | |
|---|---|
| <ul style="list-style-type: none"> Grains Alfalfa Other Hay, Forage & Pasture | <ul style="list-style-type: none"> Vegetables, Truck and Others Seed Crops Sugar Beets Soil Improvement |
|---|---|

Water Service Commenced in 1939

Repayment of Construction Investment

PAY-OUT SCHEDULE

Fiscal year	Amount
Contract obligation	\$2,760,000
Due to June 30—1946	424,372
1947	73,830
1948	73,830
1949	73,830
1950	73,830
1951	73,830
1952	69,000
1953	69,000
1954	69,000
1955	69,000
1956	69,000
1957	69,000
1958	69,000
1959	69,000
1960	69,000
1961	69,000
1962	69,000
1963	69,000
1964	69,000
1965	69,000
1966	69,000
1967	69,000
1968	69,000
1969	69,000
1970	69,000
1971	69,000

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

Fiscal year	Amount
Due to June 30—1972	\$69,000
1973	69,000
1974	69,000
1975	69,000
1976	69,000
1977	69,000
1978	69,000
1979	69,000
1980	34,478

Contractor: Fremont-Madison Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1940	76,852	\$1,536,904	\$20.00
1941	77,561	2,159,689	27.85
1942	76,963	3,790,684	49.25
1943	78,716	5,153,742	65.47
1944	84,257	5,708,949	67.76
1945	87,678	5,378,854	61.35

¹ Includes Government benefit payments.

Power and Irrigation Summary—Status of Repayment Account

ALL DIVISIONS

Fiscal year	Repayable	Payout schedule			Balance repayable
	Irrigation contracts	Total	By water users	Power revenues applied ¹	
1908		\$3,149	\$3,149		
1909		127,716	127,716		
1910		135,645	135,645		
1911		120,190	120,190		
1912		² 170,242	² 170,242		
1913		76,631	76,631		
1914		53,502	53,502		
1915		122,355	122,355		
1916		35,106	35,106		
1917	\$5,439,919	172,267	172,267		\$4,763,600
1918	5,980,647	166,505	166,505		5,137,823
1919	6,043,953	170,051	170,051		5,031,178
1920	6,068,934	171,639	171,639		4,884,420
1921	6,076,956	147,715	147,715		4,744,727
1922	6,075,991	218,493	218,493		4,525,269
1923	6,039,065	205,676	205,676		4,282,667
1924	10,597,302	277,862	277,862		8,563,042
1925	9,384,819	1,662,130	1,662,130		5,688,429
1926	9,231,582	1,624,004	1,624,004		3,911,188
1927	9,711,427	580,646	580,646		3,810,387
1928	9,711,427	451,241	451,241		3,359,146
1929	17,652,524	443,587	443,587		10,856,656
1930	16,877,720	347,686	300,315	\$47,371	9,734,166
1931	16,903,108	195,475	195,475	0	9,564,079
1932	17,048,495	220,326	162,372	57,954	9,489,140
1933	17,048,495	151,979	41,802	110,177	9,337,161
1934	17,081,409	129,890	42,361	87,529	9,240,185
1935	16,971,800	141,459	60,282	81,177	8,989,117
1936	20,136,089	103,102	25,592	77,510	12,050,304
1937	20,129,098	124,830	58,640	66,190	11,918,483
1938	20,155,253	240,431	234,758	5,673	11,704,207
1939	20,193,435	226,806	226,806	0	11,515,583
1940	20,211,865	205,270	205,270	0	11,328,743
1941	20,224,340	186,826	186,826	0	11,154,392
1942	20,257,447	533,892	261,125	272,767	10,653,607

See footnotes at end of table.

Power and Irrigation Summary—Status of Repayment Account ¹—Continued

ALL DIVISIONS

Fiscal year	Repayable	Payout schedule			Balance repayable
	Irrigation contracts	Total	By water users	Power revenues applied ¹	
1943	\$20,260,833	\$330,620	\$257,166	\$73,454	\$10,326,373
1944	20,281,791	318,071	279,649	38,422	10,029,217
1945	19,861,968	328,121	323,340	4,781	9,281,316
1946	19,861,968	520,676	341,617	179,059	8,760,640
1947	19,861,968	460,209	292,481	167,728	8,300,431
1948	19,861,968	402,554	284,150	118,404	7,897,877
1949	19,861,968	386,126	284,115	102,011	7,511,751
1950	19,861,968	437,586	343,153	94,433	7,074,165
1951	19,861,968	428,508	343,121	85,387	6,645,657
1952	19,861,968	415,644	338,038	77,606	6,230,013
1953	19,861,968	470,033	402,655	67,378	5,759,980
1954	19,861,968	346,523	292,426	54,097	5,413,457
1955	19,861,968	354,459	313,585	40,874	5,058,998
1956	19,861,968	365,448	334,530	30,918	4,693,550
1957	19,861,968	353,805	333,645	20,160	4,339,745
1958	19,861,968	344,474	332,783	11,691	3,995,271
1959	19,861,968	296,598	288,161	8,437	3,698,673
1960	19,861,968	250,458	243,468	6,990	3,448,215
1961	19,861,968	205,428	198,746	6,682	3,242,787
1962	19,861,968	160,400	154,138	6,262	3,082,387
1963	19,861,968	160,203	154,037	6,166	2,922,184
1964	19,861,968	159,683	153,569	6,114	2,762,501
1965	19,861,968	159,178	153,079	6,099	2,603,323
1966	19,861,968	155,648	152,589	3,059	2,447,675
1967	19,861,968	152,598	152,589	9	2,295,077
1968	19,861,968	152,589	152,589	-----	2,142,488
1969	19,861,968	152,589	152,589	-----	1,989,899
1970	19,861,968	152,589	152,589	-----	1,837,310
1971	19,861,968	152,589	152,589	-----	1,684,721
1972	19,861,968	152,589	152,589	-----	1,532,132
1973	19,861,968	152,589	152,589	-----	1,379,543
1974	19,861,968	152,589	152,589	-----	1,226,954
1975	19,861,968	152,589	152,589	-----	1,074,365
1976	19,861,968	152,589	152,589	-----	921,776
1977	19,861,968	152,589	152,589	-----	769,187
1978	19,861,968	152,589	152,589	-----	616,598
1979	19,861,968	152,589	152,589	-----	464,009
1980	19,861,968	118,067	118,067	-----	345,942
1981	19,861,968	83,589	83,589	-----	262,353
1982	19,861,968	83,589	83,589	-----	178,764
1983	19,861,968	83,589	83,589	-----	95,175
1984	19,861,968	83,593	83,593	-----	11,582
Charges against class 5 lands, temporarily suspended	-----	-----	-----	-----	11,582
Total	-----	19,850,386	17,827,817	2,022,569	-----

¹ Variation in power credit due to irregular distribution of profits.¹ Loss.

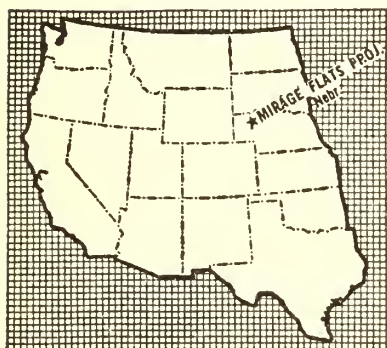
This schedule shows as power revenues applied the anticipated credits on construction charges of the Burley and Minidoka irrigation districts for power profits distributed under subsection 1 of section 4 of the act of December 5, 1924.

Mirage Flats Project

Nebraska . . .

. . . Region VII

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

farmed. Most of the land has been purchased by

The Bureau of Reclamation, under authorization of the Water Conservation and Utilization Act, has constructed a dam and irrigation works to rehabilitate and stabilize 12,000 acres previously dry

the Department of Agriculture for settlement purposes.

The construction cost incurred by the Bureau of Reclamation to June 30, 1946, was \$2,569,252. The reimbursable portion of the construction cost has been approved at \$985,000 by the President. The repayment contract is to be negotiated by the Bureau of Reclamation.

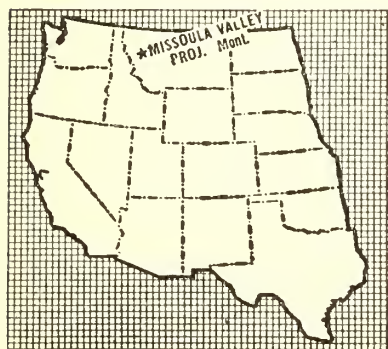
The Mirage Flats Cooperative Association was notified by the Bureau of Reclamation that water would be available for the 1946 irrigation season, on a water rental basis.

Missoula Valley Project

Montana . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Under authority of the Water Conservation and Utilization Act, the United States is constructing diversion and carriage works for the Big Flat Unit of the Missoula Valley project.

The Big Flat Irrigation District has agreed (contract of April 2, 1945), to repay a total of \$45,000, in graduated semiannual installments. The obligation amounts to \$50 per irrigable acre.

The contract provides for a 5-year development period after notice that water is available, during which time water will be furnished at a charge to be fixed annually by the Secretary of the Interior. The United States will operate the project during the 5-year period, and construction charge installments will commence at the close of the development period.

It is expected that water will be furnished in 1947 by the Bureau to the water users. The development period will be established.

Repayment of Construction Investment PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation.....		\$45,000
	1953	422
	1954	422
	1955	422
	1956	422
	1957	562
	1958	563
	1959	844
	1960	844
	1961	1,125
	1962	1,125
	1963	1,125
	1964	1,125
	1965	1,406
	1966	1,406
	1967	1,406
	1968	1,406
	1969	1,406
	1970	1,406
	1971	1,406
	1972	1,406
	1973	1,406
	1974	1,406
	1975	1,406
	1976	1,406
	1977	1,406
	1978	1,406
	1979	1,406
	1980	1,406
	1981	1,125
	1982	1,125
	1983	1,125
	1984	1,125
	1985	1,125
	1986	1,125
	1987	1,125
	1988	1,125
	1989	1,125
	1990	1,125
	1991	1,125
	1992	1,128

¹ Scheduled on an assumed date for commencement of repayment.

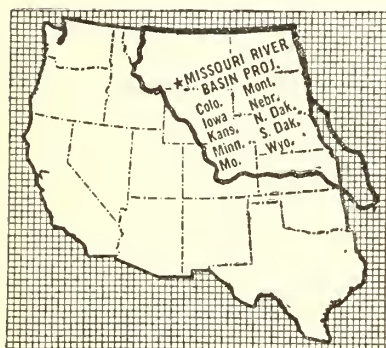
Contractor: Big Flat Irrigation District.

Missouri River Basin Project

In 10 States¹ . . .

. . . Regions VI and VII

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

are not a prerequisite. Irrigation districts are

The Missouri River Basin project authorized by the Flood Control Act of 1944 is in the process of development. Construction has been started on certain features for which repayment contracts

being formed in the initial group of authorized units and the Bureau will negotiate repayment contracts for reimbursement of funds expended for irrigation features. It is expected the Frenchman-Cambridge Unit in Nebraska and the Heart River Unit in North Dakota will be the first units to execute repayment contracts with the United States early in 1947. No revenues have accrued to the project.

¹ COLORADO, IOWA, KANSAS, MINNESOTA, MISSOURI, MONTANA, NEBRASKA, NORTH DAKOTA, SOUTH DAKOTA, and WYOMING.

Moon Lake Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

pay a total of \$1,592,268, equal to \$22 per irriga-

ble acre. Repayment commenced in 1944. A total of \$119,420 had become due and had been paid on June 30, 1946.

Moon Lake Dam and Reservoir have been constructed by the United States to furnish supplemental water for lands of the Moon Lake Water Users' Association. The association has contracted to re-

ble acre. Repayment commenced in 1944. A total of \$119,420 had become due and had been paid on June 30, 1946.

The project is operated by the Moon Lake Water Users' Association.

Determination of repayment obligation as of June 30, 1946:

Cost	\$1, 600, 361
Less construction revenues	8, 093

Total	1, 592, 268
-----------------	-------------

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1935	\$1,500,000							
1936	1,500,000							
1937	1,500,000							
1938	1,500,000							
1939	1,550,000							
1940	1,600,000							
1941	1,600,000							
1942	1,600,000							
1943	¹ 1,592,270							
1944	1,592,270	\$39,806		\$39,806	\$32,755		\$32,755	\$32,755
1945	1,592,268	39,807		39,807	39,807	\$7,051	46,858	79,613
1946	1,592,268	39,807		39,807	39,807		39,807	119,420
Total		119,420		119,420	112,369	7,051	119,420	
Collected				119,420				
Uncollected				0				

¹ Decrease in obligation due to adjustment to actual cost.

This project is on a 40-year repayment basis. Operation and maintenance by the Moon Lake Water Users Association.

Contracts

1934, June 22; 1939, March 20; and 1939, Nov. 3. Contracts with Moon Lake Water Users' Association for construction of Moon Lake Reservoir. Estimated cost, \$1,600,000, payable in 40 equal annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$1,592,268
	Due to June 30—1946	119,420
	1947	39,807
	1948	39,807
	1949	39,807
	1950	39,807
	1951	39,807
	1952	39,807
	1953	39,807
	1954	39,807
	1955	39,807
	1956	39,807
	1957	39,807
	1958	39,807
	1959	39,807
	1960	39,807
	1961	39,807
	1962	39,807
	1963	39,807
	1964	39,807
	1965	39,807
	1966	39,807
	1967	39,807
	1968	39,807
	1969	39,807
	1970	39,807
	1971	39,807
	1972	39,807

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

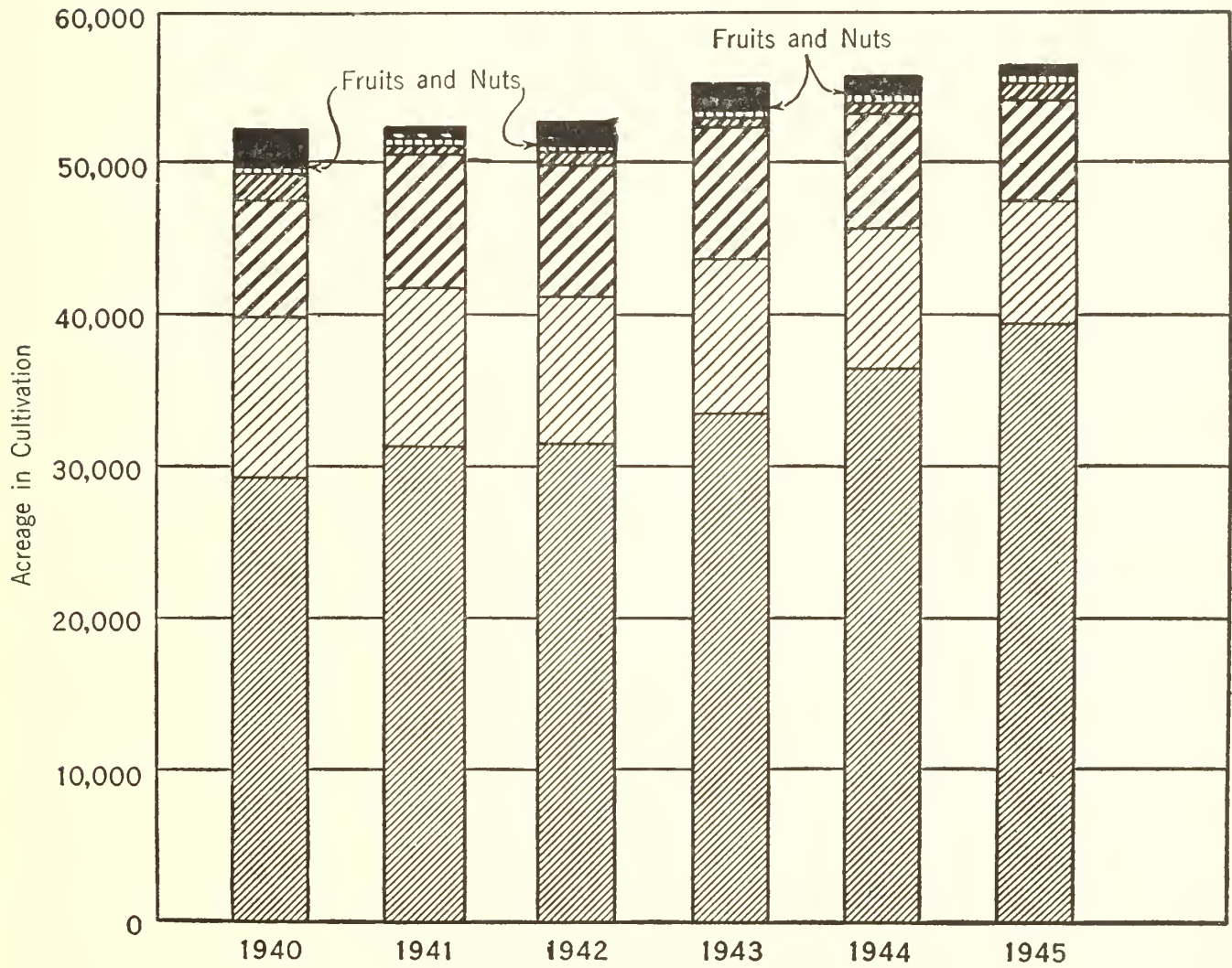
	Fiscal year	Amount
	Due to June 30—1973	\$39,807
	1974	39,807
	1975	39,807
	1976	39,807
	1977	39,807
	1978	39,807
	1979	39,807
	1980	39,807
	1981	39,807
	1982	39,807
	1983	39,796

Contractor: Moon Lake Water Users' Association.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1940	52,204	\$390,222	\$7.47
1941	52,148	511,647	9.81
1942	52,565	609,544	11.60
1943	55,228	1,031,616	18.68
1944	55,510	846,552	15.25
1945	56,255	779,372	13.85

¹ Includes Government benefit payments.

MOON LAKE PROJECT, UTAH CROP HISTORY



- | | |
|---|---|
| <ul style="list-style-type: none"> Other Hay, Forage & Pasture Alfalfa Grains | <ul style="list-style-type: none"> Seed Crop Vegetables, Truck and Others Fruits and Nuts |
|---|---|

Soil Improvement

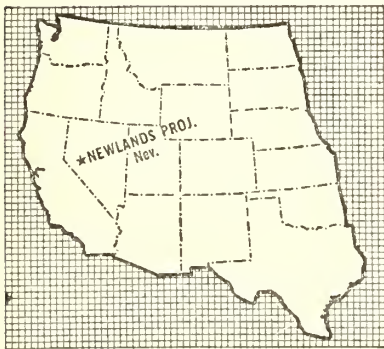
Water Service Commenced in 1940

Newlands Project

Nevada . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

periods have ranged from \$22 to \$80 per acre and from 10 to 40 years. About 20,000 acres were covered by vested water-right contracts on which no original construction charges are payable.

After passage of the Omnibus Adjustment Act in 1926 the Truckee-Carson Irrigation District contracted to repay the adjusted project original construction cost of "consenting" landowners. Some "nonconsenting" landowners have continued repayments in accordance with the terms of their original water-right applications.

The district also assumed an obligation to repay the cost of drainage and other supplemental construction work pursuant to specific contracts therefor, and for which benefits were apportioned uni-

One of the first reclamation projects to be constructed, repayments began in 1908 under individual water-right applications. With the passage of time, original construction charges and repayment

periods have ranged from 7 to 30 years. In addition, a construction deficit of \$500,000 is repayable by credits at the rate of \$54 per acre for new water-right applications accepted by the district subsequent to January 1, 1942. The repayment periods for such district applications range up to 40 years.

All payments becoming due from water-right applicants or otherwise are paid by the district through assessments and collections on the county tax roll. Through its operation of the Lahontan power plant, the district receives the benefit of annual power credits.

The repayable debt at the present time covered by contract with the Truckee-Carson Irrigation District amounts to \$3,281,999. The district has paid a total of \$1,992,566. The total due to June 30, 1946, was \$1,992,658, or 61 percent of the total obligation.

The entire project works have been transferred to the Truckee-Carson Irrigation District for operation and maintenance. Before the transfer on January 1, 1927, \$1,174,582 was collected from the water users for operation and maintenance and \$28,291 for water rentals.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$7,947,283
Operation and maintenance funded.....	30,091
Penalties funded.....	14,886
Total.....	7,992,260
Less construction revenues.....	54,503
Total.....	7,937,757

Less charge-off, act of May 26, 1926.....	\$4,437,820
Net.....	3,499,937
Adjustment to be made.....	¹ 217,938
Total.....	3,281,999

¹ Decrease. Decrease is due to cancellation of water-right applications and to deferment of charges under the relief acts.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1908.....		\$59,777		\$59,777	\$2,058		\$2,058	\$2,058	
1909.....		22,147		22,147	25,130		25,130	27,188	
1910.....		51,696		51,696	50,690		50,690	77,878	
1911.....		70,773		70,773	64,995		64,995	142,873	
1912.....		70,992	¹ \$22,157	48,835	8,812	\$35,833	44,645	187,518	
1913.....		72,085	¹ 50,082	22,003	11,720	15,228	26,948	214,466	
1914.....		71,802	¹ 42,624	29,178	14,330	8,727	23,057	237,523	
1915.....	\$865,439	25,009	¹ 60,287	¹ 35,278	21,093	5,932	27,025	264,548	1915. Reclamation Extension Act, Aug. 13, 1914.
1916.....	943,095	26,130	625	26,755	21,503	5,072	26,575	291,123	
1917.....	1,053,557			24,452			24,715	315,838	
1918.....	1,188,920			18,144			17,426	333,264	
1919.....	1,431,587	170,503		40,020	165,063		41,584	374,848	
1920.....	1,884,250			44,635			44,150	418,998	
1921.....	2,022,972			43,252			37,188	456,186	
1922.....	² 2,692,614	40,687	¹ 506	40,181	25,369	6,546	31,915	488,101	
1923.....	2,638,279	45,361	¹ 6,561	38,800	27,428	5,252	32,680	520,781	
1924.....	2,588,450	50,104	¹ 3,282	46,822	24,183	6,987	31,170	551,951	
1925.....	2,540,333	62,064	¹ 17,161	44,903	32,913	16	32,929	584,880	
1926.....	2,406,780	78,193	717	78,910	39,226	10,576	49,802	634,682	
1927.....	³ 3,350,072	83,212	¹ 35,880	47,332	62,770	39,548	102,318	737,000	
1928.....	3,299,449	68,572	¹ 29,754	38,818	67,642	¹ 3,417	64,225	801,225	
1929.....	3,299,558	83,221	¹ 601	82,620	82,279	152	82,431	883,656	
1930.....	3,260,278	81,905	¹ 352	81,553	79,743	766	80,509	964,165	
1931.....	3,260,278	90,299	¹ 4,789	85,510	87,523	¹ 2,626	84,897	1,049,062	
1932.....	3,276,504	79,107		79,107	74,693	2,776	77,469	1,126,531	
1933.....	3,276,504	19,460	¹ 4,553	14,907	17,987	¹ 3,015	14,972	1,141,503	
1934.....	3,282,965	36,272	¹ 27,815	8,457	35,434	¹ 23,467	11,967	1,153,470	
1935.....	3,289,004	31,341	¹ 629	30,712	30,049	211	30,260	1,183,730	
1936.....	3,284,400	22,331	¹ 840	21,491	20,714	501	21,215	1,204,945	
1937.....	3,284,853	29,900	¹ 1,321	28,579	27,575		27,575	1,232,520	
1938.....	3,284,853	51,022		51,022	46,984	2,597	49,581	1,282,101	
1939.....	3,283,676	86,022		86,022	80,832	4,012	84,844	1,366,945	
1940.....	3,283,676	85,961		85,961	81,532	5,190	86,722	1,453,667	
1941.....	3,283,676	87,635		87,635	84,640	4,428	89,068	1,542,735	
1942.....	3,283,676	99,499		99,499	97,273	2,996	100,269	1,643,004	
1943.....	3,283,676	99,996		99,996	98,750	2,226	100,976	1,743,980	
1944.....	3,281,999	94,249		94,249	86,192	3,246	89,438	1,833,418	
1945.....	3,281,999	88,983		88,983	88,658	6,057	94,715	1,928,133	
1946.....	3,281,999	64,200		64,200	64,118	315	64,433	1,992,566	
Total.....		2,300,510	¹ 307,852	1,992,658	1,849,901	142,665	1,992,566		
Collected.....				1,992,566					
Uncollected.....				92					

1915. Reclamation Extension Act, Aug. 13, 1914.

Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Total amount of construction charges deferred under these acts, \$401,232.

¹ Decrease. Decreases are due to cancellations of water-right applications and to deferment of charges under the relief acts.

² Increase of obligation covers drainage construction under 1921 contract.

³ Increase due to additional obligations assumed under 1926 contract.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1908.....	\$9, 860	\$6, 023	1907, May 6. Public notice. Construction charge \$22 per acre, payable in 10 equal annual installments.
1909.....	14, 293	12, 307	1907, Nov. 1. Public notice. Construction charge \$30 per acre, payable in 10 equal annual installments.
1910.....	19, 464	21, 469	1914, Aug. 19. Public notice. Construction charge \$60 per acre, payable in 20 graduated annual installments.
1911.....	21, 601	21, 332	1916, Feb. 11. Public notice. Construction charge \$60 per acre, payable in 20 graduated annual installments.
1912.....	22, 484	22, 688	1917, Oct. 30. Public notice. Supplemental construction for certain lands, rate \$10 per acre, payable in 2 equal annual installments.
1913.....	28, 915	14, 254	1918, Apr. 10. Public notice. Construction charge \$65 and \$115 for leveled land, payable in 20 graduated annual instalments.
1914.....	27, 867	42, 736	1920, Oct. 19. Public notice. Construction charge \$80 per acre, payable in 20 graduated annual installments.
1915.....	28, 369	21, 768	1921, Jan. 22. Contract with Truckee-Carson Irrigation District for construction of a drainage system at estimated cost of \$700,000, payable in 40 equal semi-annual installments.
1916.....	41, 835	35, 125	1925, Apr. 30. Contract with Truckee-Carson Irrigation District for additional drainage work at estimated cost of \$270,000, payable in 14 equal semi-annual installments following payments under 1925 contract.
1917.....	42, 583	43, 538	1926, Dec. 18. Contract with Truckee-Carson Irrigation District. District assumes obligations under individual water-right applications. Time of repayment extended to 40 years. Additional construction work on Derby Dam and Truckee Canal. Assumption of deficit of \$500,000, to be paid from new water-right applications at \$54 per acre up to January 1, 1942, and balance on that date in 60 equal semi-annual installments.
1918.....	42, 156	48, 078	1944, June 14. Contract with Truckee-Carson Irrigation District. Deficit to be paid only from water-right applications at \$54 per acre upon lands not under water-right applications on January 1, 1942.
1919.....	73, 271	66, 334	
1920.....	85, 892	89, 462	
1921.....	106, 316	76, 924	
1922.....	122, 467	88, 744	
1923.....	117, 626	102, 078	
1924.....	108, 691	92, 067	
1925.....	109, 605	101, 888	
1926.....	87, 136	122, 035	
1927.....	7, 764	72, 014	
1928.....	2, 846	15, 665	
1929.....	15, 911	20, 423	
1930.....	15, 611	15, 611	
1931.....	14, 809	14, 809	
1932.....	7, 210	7, 210	
Total.....	1, 174, 582	1, 174, 582	

This project is on a 40-year repayment basis.

Operation and maintenance of project transferred to district in 1927.

Accruals since that year cover delinquent charges deferred under 1926 contract.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands-----		\$2, 881, 236
Suspended lands (temporarily unproductive)-----		² 400, 763
Total amount repayable-----		3, 281, 999
	Due to June 30--	
	1946-----	1, 992, 658
	1947-----	99, 182
	1948-----	97, 971
	1949-----	96, 175
	1950-----	94, 578
	1951-----	87, 800
	1952-----	64, 413
	1953-----	46, 965
	1954-----	29, 140
	1955-----	27, 864
	1956-----	26, 581
	1957-----	25, 942
	1958-----	15, 319
	1959-----	4, 792
	1960-----	4, 763
	1961-----	33, 489
	1962-----	31, 851
	1963-----	31, 728
	1964-----	33, 825
	1965-----	11, 275
	1966-----	1, 270
	1967-----	1, 270
	1968-----	1, 270
	1969-----	1, 270
	1970-----	1, 270
	1971-----	1, 270
	1972-----	1, 270
	1973-----	1, 270
	1974-----	1, 270
	1975-----	1, 270
	1976-----	1, 270
	1977-----	1, 270
	1978-----	1, 270
	1979-----	1, 270
	1980-----	1, 270
	1981-----	1, 270
	1982-----	1, 270
	1983-----	1, 262
	1984-----	1, 088
	1985-----	723
	1986-----	262

¹ Water-right applications approved subsequent to repayment contract account for extension of repayment period beyond 1966.

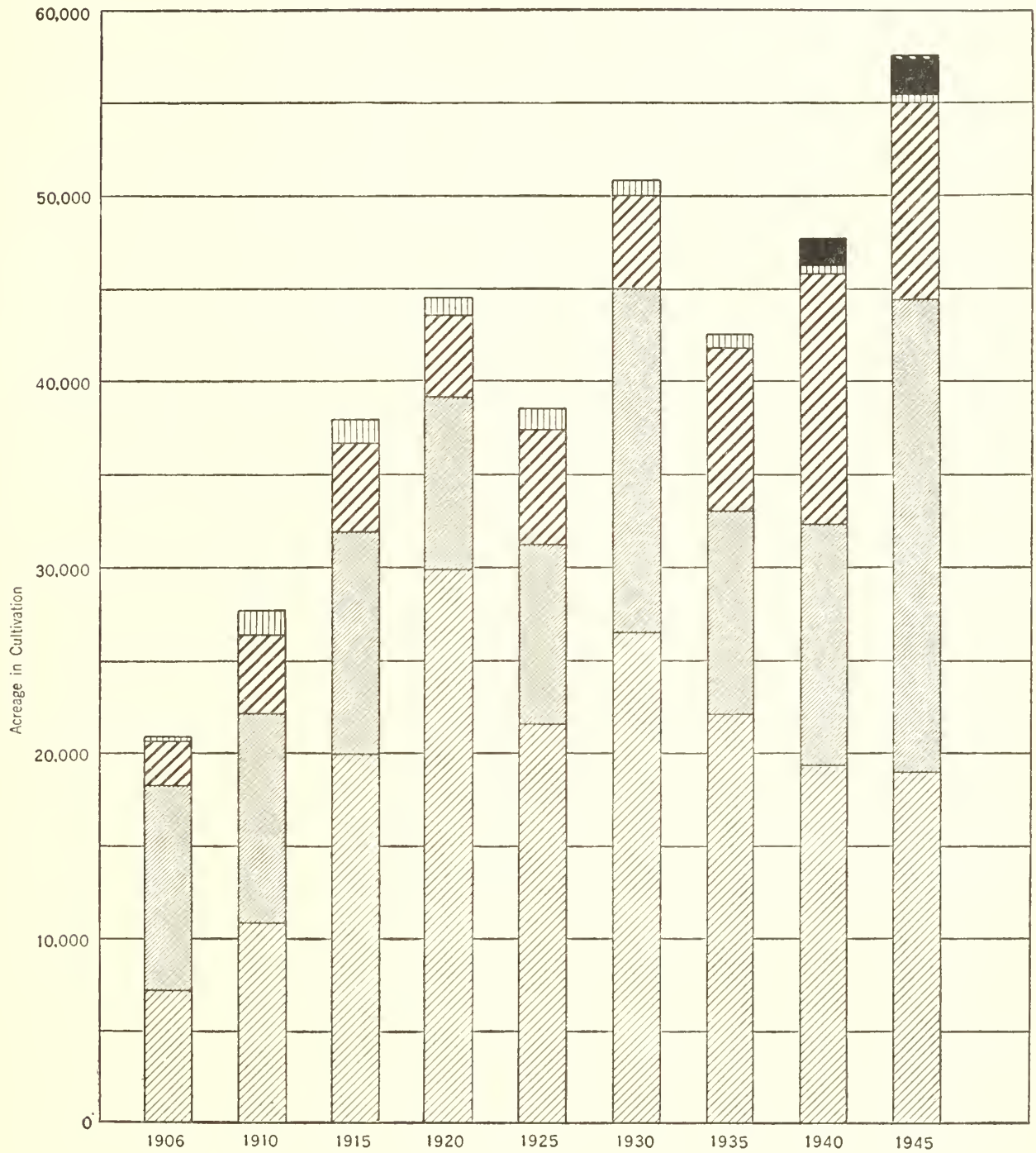
² Lands considered temporarily unproductive on which charges are not currently assessed.







Contractor: Truckee-Carson Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1909 ² -----	29, 325	\$335, 000	\$11. 42
1910 ² -----	27, 557	310, 000	11. 25
1911 ² -----	30, 139	470, 827	15. 62
1912-----	36, 620	469, 882	12. 83
1913-----	42, 943	555, 007	12. 92
1914-----	39, 285	441, 018	11. 23
1915-----	38, 495	592, 523	15. 39
1916-----	38, 249	791, 446	20. 69
1917-----	39, 236	1, 450, 480	36. 97
1918-----	41, 490	1, 626, 142	39. 19
1919-----	43, 296	1, 840, 650	42. 51
1920-----	44, 570	1, 279, 640	28. 71
1921-----	43, 440	1, 254, 580	28. 88
1922-----	42, 390	1, 849, 710	43. 64
1923-----	41, 130	1, 153, 450	28. 04
1924-----	40, 760	1, 405, 120	34. 47
1925-----	38, 617	1, 073, 996	27. 81
1926-----	41, 640	1, 594, 280	38. 29
1927-----	45, 370	1, 821, 860	40. 16
1928-----	46, 085	1, 773, 200	38. 48
1929-----	51, 380	2, 057, 280	40. 04
1930-----	50, 917	1, 000, 920	19. 66
1931-----	40, 203	742, 703	18. 47
1932-----	49, 730	510, 168	10. 26
1933-----	50, 808	621, 284	12. 23
1934-----	40, 056	696, 256	17. 38
1935-----	42, 522	696, 912	16. 39
1936-----	42, 554	977, 822	22. 98
1937-----	49, 972	945, 669	18. 92
1938-----	49, 958	615, 389	12. 32
1939-----	49, 960	863, 693	17. 29
1940-----	47, 729	742, 270	15. 55
1941-----	48, 472	894, 452	18. 45
1942-----	49, 285	1, 281, 007	25. 99
1943-----	50, 291	1, 883, 254	37. 45
1944-----	49, 577	2, 107, 884	42. 52
1945-----	57, 682	2, 290, 767	39. 71

¹ Includes Government benefit payments.

² Estimated.



-  Alfalfa
-  Grains
-  Other Hay, Forage & Pasture
-  Vegetables, Truck and Others
-  Fruits and Nuts
-  Soil Improvement

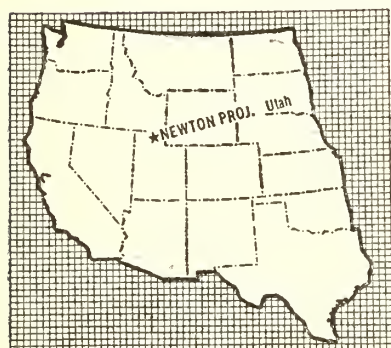
Water Service Commenced in 1903

Newton Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Newton Water Users Association has executed a contract with the United States covering the repayment of \$350,000 for construction of a storage reservoir to increase its water supply, the

work being authorized by the Water Conservation and Utilization Act.

The Association was notified on November 1, 1945, that the project was substantially completed and water would be available in 1946. The 2-year development period allowed by contract commenced January 1, 1946, and construction charge installments will commence December 31, 1948.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$350, 000
	1949	8, 750
	1950	8, 750
	1951	8, 750

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

	Fiscal year	Amount
	1952	\$8, 750
	1953	8, 750
	1954	8, 750
	1955	8, 750
	1956	8, 750
	1957	8, 750
	1958	8, 750
	1959	8, 750
	1960	8, 750
	1961	8, 750
	1962	8, 750
	1963	8, 750
	1964	8, 750
	1965	8, 750
	1966	8, 750
	1967	8, 750
	1968	8, 750
	1969	8, 750
	1970	8, 750
	1971	8, 750
	1972	8, 750
	1973	8, 750
	1974	8, 750
	1975	8, 750
	1976	8, 750
	1977	8, 750
	1978	8, 750
	1979	8, 750
	1980	8, 750
	1981	8, 750
	1982	8, 750
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	1984	8, 750
	1985	8, 750
	1986	8, 750
	1987	8, 750
	1988	8, 750

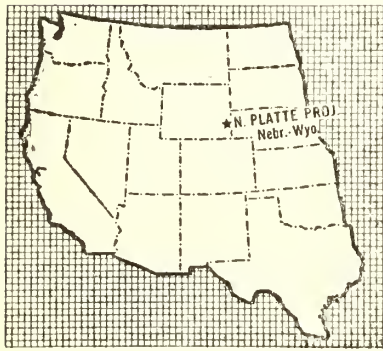
Contractor: Newton Water Users Association.

North Platte Project

Nebraska-Wyoming . . .

. . . Region VII

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Fort Laramie Division—

The Fort Laramie Division, comprising the Goshen Irrigation District, Wyoming, and the Gering and Fort Laramie Irrigation District, Nebraska,

is current in the construction payments due the United States on repayment contracts totaling \$10,542,413, neither district having an unpaid balance due. A total of \$2,288,633, or 22 percent of the obligation, has become due and has been fully collected. Repayments started in 1922, and are currently being made on the 5 percent repayment plan authorized by the act of December 5, 1924.

The United States operates the reserved works

with funds advanced by the water users of the North Platte project, and the two irrigation districts operate the distribution systems. A total of \$174,754 has been collected from the water users for operation and maintenance of reserved works. Water rental collections amount to \$272,711.

The water users, whose payments include the cost of the project power system, receive credit annually for net power earnings.

Determination of repayment obligation as of June 30, 1946:

Cost	\$9,816,598
Penalties funded	3,168
	9,819,766
Total	9,819,766
Less construction revenues	375,926
	9,443,840
Total	9,443,840
Adjustment to be made	1,098,573
	10,542,413
Total	10,542,413

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1922	\$34,124	\$34,124		\$34,124	\$34,124		\$34,124	\$34,124	
1923	35,060	936		936	936		936	35,060	
1924	39,271	4,211		4,211	4,211		4,211	39,271	
1925	5,288,973	1,298		1,298	1,298		1,298	38,973	
1926	5,288,973			0			0	38,973	
1927	5,288,973	184,189		184,189	184,189		184,189	223,162	1927. Unification credits. ²
1928 ³	10,541,707	3,797		3,797	3,797		3,797	226,959	
1929	10,541,707	193		193	193		193	227,152	
1930	10,542,019	30,345	¹ 126,696	¹ 96,351	30,345	¹ 126,696	¹ 96,351	130,801	1930. Adjustment of unification credits. Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for 1931, \$5,400; 1932, \$50,702; 1933, \$72,013; 1934, \$99,199; 1935, \$96,202; 1936, \$3,189.
1931	10,542,019	65,046		65,046	65,046		65,046	195,847	
1932	10,542,019	185,030		185,030	185,030		185,030	380,877	
1933	10,542,432	171,756		171,756	171,756		171,756	552,633	
1934	10,544,278	75,682		75,682	75,682		75,682	628,315	
1935	10,544,278	46,806		46,806	46,806		46,806	675,121	
1936	10,542,413	60,262		60,262	60,262		60,262	735,383	
1937	10,542,413	42,064		42,064	42,064		42,064	777,447	
1938	10,542,413	108,535		108,535	108,535		108,535	885,982	
1939	10,542,413	160,802		160,802	160,802		160,802	1,046,784	
1940	10,542,413	164,625		164,625	164,625		164,625	1,211,409	
1941	10,542,413	163,908		163,908	163,908		163,908	1,375,317	
1942	10,542,413	162,548		162,548	162,548		162,548	1,537,865	
1943	10,542,413	216,351		216,351	216,351		216,351	1,754,216	
1944	10,542,413	167,050		167,050	167,050		167,050	1,921,266	
1945	10,542,413	177,546		177,546	177,546		177,546	2,098,812	
1946	10,542,413	189,821		189,821	189,821		189,821	2,288,633	
Total Collected		2,415,329	¹ 126,696	2,288,633	2,415,329	¹ 126,696	2,288,633		
Uncollected				0					

¹ Decrease. Decreases cover adjustment of allowance.
² Credit for private irrigation works taken over and made part of the project.
³ Goshen Irrigation District became part of project.

This division is on a crop repayment basis. Operation and maintenance of distribution systems by the Gering and Fort Laramie Irrigation District and the Goshen Irrigation District since 1927; United States operates reserved works.

Contracts

1920, May 25 and 1926, Nov. 2. Contracts with Gering and Fort Laramie Irrigation District for repayment of construction cost for Nebraska lands in the Fort Laramie Division. The 1926 contract provides for repayment on the crop production basis, annual instalments to be 5 per cent of average gross acre income for preceding 10 years.
 1926, Nov. 24. Contract with Goshen Irrigation District for

repayment of construction cost for Wyoming lands of Fort Laramie Division. Repayment to be on crop production basis, annual instalments to be 5 per cent of average gross acre income for preceding 10 years.
 1921, 1924, 1927, and 1928. Contracts with Union Pacific Railroad Company for right-of-way over project lands. Aggregate construction charge \$60,280.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors		
		Goshen Irrigation District	Gering and Fort Laramie Irrigation District	Railroad and sugar company
Contract obligation (total \$10,542,413):				
Paying lands.....		\$4, 239, 828	\$5, 142, 978	\$60, 691
Suspended lands (temporarily unproductive) ²		853, 164	245, 752	
Total amount repayable.....		5, 092, 992	5, 388, 730	60, 691
	Due to June 30—1946.....	989, 705	1, 238, 237	60, 691
	1947.....	96, 489	131, 530	
	1948.....	96, 489	131, 530	
	1949.....	96, 489	131, 530	
	1950.....	96, 489	131, 530	
	1951.....	96, 489	131, 530	
	1952.....	96, 489	131, 530	
	1953.....	96, 489	131, 530	
	1954.....	96, 489	131, 530	
	1955.....	96, 489	131, 530	
	1956.....	96, 489	131, 530	
	1957.....	96, 489	131, 530	
	1958.....	96, 489	131, 530	
	1959.....	96, 489	131, 530	
	1960.....	96, 489	131, 530	
	1961.....	96, 489	131, 530	
	1962.....	96, 489	131, 530	
	1963.....	96, 489	131, 530	
	1964.....	96, 489	131, 530	
	1965.....	96, 489	131, 530	
	1966.....	96, 489	131, 530	
	1967.....	96, 489	131, 530	
	1968.....	96, 489	131, 530	
	1969.....	96, 489	131, 530	
	1970.....	96, 489	131, 530	
	1971.....	71, 474	98, 385	
	1972.....	66, 330	62, 293	
	1973.....	66, 330	62, 293	
	1974.....	66, 330	62, 293	
	1975.....	66, 330	62, 293	
	1976.....	45, 199	62, 293	
	1977.....	36, 397	62, 293	
	1978.....	36, 397	30, 874	
	1979.....	36, 397	20, 903	
	1980.....	36, 397	20, 903	
	1981.....	36, 397	20, 903	
	1982.....	36, 397	20, 903	
	1983.....	36, 397	20, 903	
	1984.....	36, 397	20, 903	
	1985.....	36, 397	20, 903	
	1986.....	36, 397	19, 008	
	1987.....	23, 887	7, 020	
	1988.....	11, 087	7, 020	
	1989.....	11, 087	7, 020	
	1990.....	11, 087	7, 020	
	1991.....	11, 087	7, 020	
	1992.....	11, 087	7, 020	
	1993.....	11, 087	7, 020	
	1994.....	11, 087	7, 020	
	1995.....	11, 087	7, 020	
	1996.....	11, 087	7, 020	
	1997.....	11, 087	9, 475	
	1998.....	11, 087		
	1999.....	11, 087		
	2000.....	11, 087		
	2001.....	11, 087		
	2002.....	9, 319		

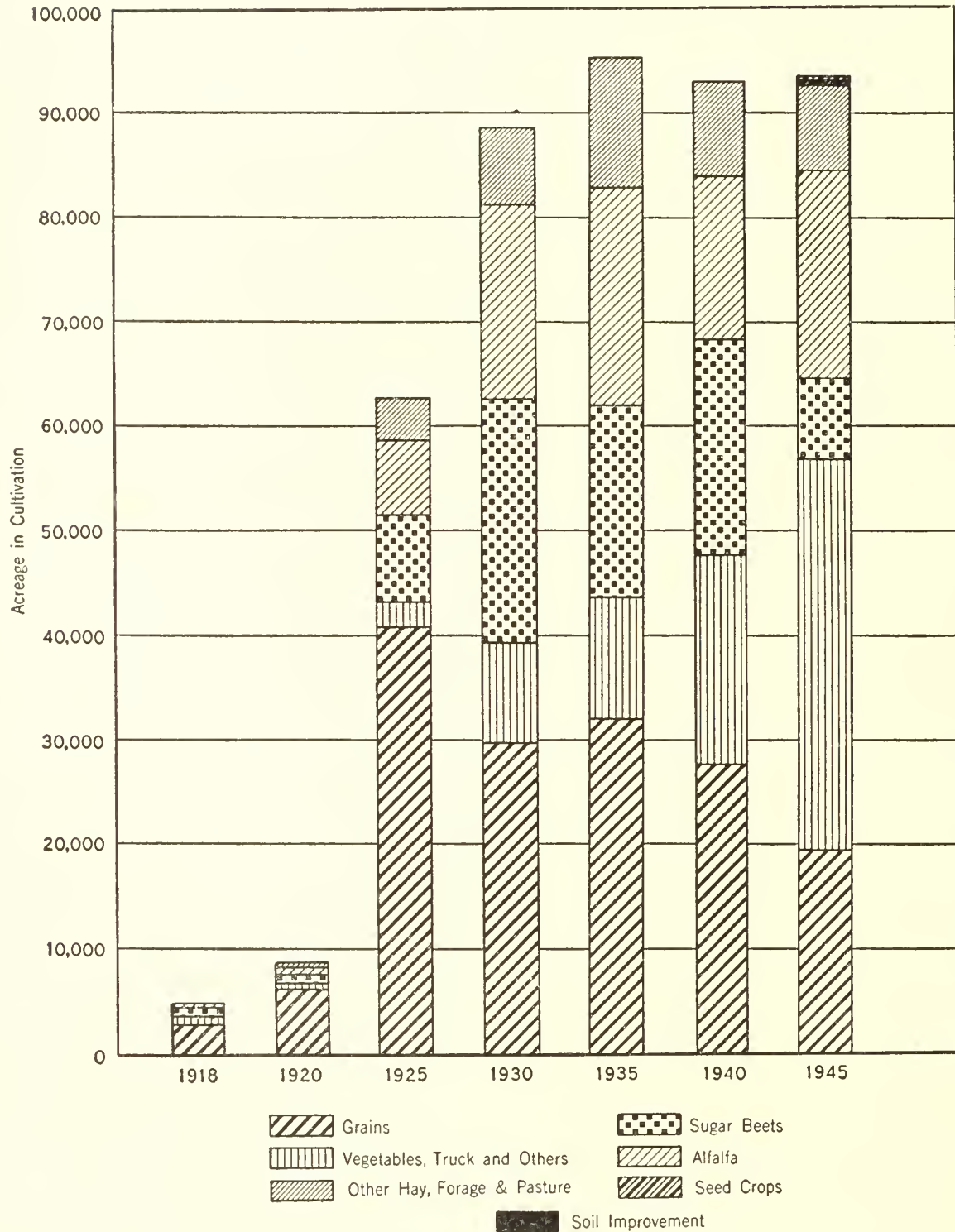
¹ A average of 1939-44 crop returns used in estimating repayment 1947 through 2002.

² Lands considered temporarily unproductive on which charges are not currently assessed.

NORTH PLATTE PROJECT, NEBR. - WYO.

FORT LARAMIE DIVISION

CROP HISTORY



Water Service Commenced in 1918

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1918	4, 865	\$61, 815	\$12. 71
1919	6, 258	143, 367	22. 91
1920	8, 490	253, 180	29. 82
1921	12, 140	188, 930	15. 56
1922	20, 100	312, 040	15. 52
1923	31, 124	609, 269	19. 58
1924	39, 060	991, 720	25. 39
1925	62, 978	1, 764, 936	28. 02
1926	75, 610	1, 885, 820	24. 94
1927	77, 190	2, 525, 314	32. 72
1928	84, 520	2, 768, 460	32. 76
1929	89, 072	3, 797, 048	42. 63
1930	88, 735	3, 564, 692	40. 17
1931	85, 934	2, 396, 328	27. 89
1932	84, 558	1, 715, 744	20. 29
1933	88, 745	2, 658, 668	29. 96
1934	86, 436	2, 660, 447	30. 78
1935	95, 201	2, 966, 476	31. 16
1936	94, 655	4, 140, 379	43. 74
1937	91, 959	3, 477, 707	37. 82
1938	94, 504	3, 287, 390	34. 79
1939	92, 880	3, 310, 652	35. 64
1940	92, 922	2, 865, 555	30. 84
1941	94, 643	4, 119, 636	43. 53
1942	95, 665	4, 614, 839	48. 24
1943	94, 419	5, 825, 462	61. 70
1944	93, 880	5, 911, 459	62. 97
1945	93, 287	5, 690, 442	61. 00

¹ Includes Government benefit payments.

Interstate Division

A total of \$9,490,793 has been contracted by the Pathfinder Irrigation District to repay the cost of constructing the Division. Repayments commenced in 1909 and on June 30, 1946, a total of \$3,705,327, or 39 percent, had become due. Of this amount \$3,691,016 had been paid. Of the unpaid balance of \$44,311, about \$15,000 has since been paid.

The Pathfinder Irrigation District is currently paying construction charges on the 5 percent crop repayment plan authorized by the act of December 5, 1924.

The United States operates reserved works with funds advanced by the water users of the North Platte project. The Pathfinder Irrigation District has advanced \$188,025 to cover its share of this cost. Water rental collections amount to \$32,495.

Operation of the Division has been transferred to the Pathfinder Irrigation District. A total of \$1,443,567 has been paid for operation and maintenance.

The water users, whose payments include the cost of the project power system, receive credits annually for net power earnings.

Determination of repayment obligation as of June 30, 1946:

Cost	\$8, 114, 028
Operation and maintenance funded	990, 237
Penalties funded	354, 033
Total	9, 458, 298
Less construction revenues	75, 576
Total	9, 382, 722
Adjustment to be made	108, 071
Total	9, 490, 793

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1909		\$72, 062		\$72, 062	\$5, 008		\$5, 008	\$5, 008	
1910		107, 355		107, 355	65, 929		65, 929	70, 937	
1911		330, 656		330, 656	3, 723	\$24, 099	27, 822	98, 759	
1912		76, 803	¹ \$462, 283	¹ 385, 480	44, 928	¹ 69, 575	¹ 24, 647	74, 112	} 1912. Adjustment under 1911 public notice.
1913		133, 381	¹ 34, 575	98, 806	47, 756	¹ 3, 263	44, 493	118, 605	
1914		291, 192	¹ 66, 249	224, 943	20, 912	¹ 5, 454	15, 458	134, 063	
1915		168, 447	¹ 211, 373	¹ 42, 926	47, 741	4, 738	52, 479	186, 542	} 1915. Reclamation Extension Act, Aug. 13, 1914.
1916		95, 819	¹ 180, 735	¹ 84, 916	77, 982	30, 100	108, 082	294, 624	
1917	\$5, 288, 875			101, 512			103, 293	397, 917	
1918	5, 803, 792			104, 573			98, 069	495, 986	
1919	5, 863, 631			178, 813			153, 849	649, 835	
1920	5, 902, 712			180, 619			184, 264	834, 099	
1921	6, 007, 162			274, 914			191, 489	1, 025, 588	
1922	² 7, 794, 439	2,461,581		297, 091	1,072,650		105, 956	1, 131, 544	
1923	7, 827, 930			313, 250			98, 691	1, 230, 235	
1924	7, 836, 666			327, 492			27, 743	1, 257, 978	
1925	7, 911, 999			256, 559			18, 237	1, 276, 215	} 1926. Adjustment under 1926 contract.
1926	8, 047, 363			426, 758			91, 059	1, 367, 274	

See footnotes at end of table.

Construction Repayments—Continued

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1927	\$8,047,363	\$164,847	¹ \$1,348,634	¹ \$1,183,787	\$72,638	\$815	\$73,453	\$1,440,727	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Total amount of construction charges deferred for years 1931-36, \$169,585.
1928	² 9,664,123	161,039	¹ 29,505	131,534	70,393	61,233	131,626	1,572,353	
1929	9,582,769	149,180	¹ 89,112	60,068	54,965	49,225	104,190	1,676,543	
1930	9,519,759	140,655	¹ 7,234	133,421	58,055	80,618	138,673	1,815,216	
1931	9,526,358	136,727	¹ 5,266	131,461	135,526	99,476	235,002	2,050,218	
1932	9,534,444	83,543	¹ 227	83,316	82,628	406	83,034	2,133,252	
1933	9,545,154	122,468	37,994	160,462	122,057	42,281	164,338	2,297,590	
1934	9,468,662	99,392		99,392	97,091	2,705	99,796	2,397,386	
1935	9,471,946	79,406		79,406	78,809	878	79,687	2,477,073	
1936	9,470,669	59,176		59,176	58,209	480	58,689	2,535,762	
1937	9,480,170	112,609		112,609	90,188	1,171	91,359	2,627,121	
1938	9,480,618	118,670		118,670	96,336	22,211	118,547	2,745,668	
1939	9,478,793	116,314		116,314	114,988	22,533	137,521	2,883,189	
1940	9,478,793	113,079		113,079	111,925	1,328	113,253	2,996,442	
1941	9,478,793	112,432		112,432	107,807	1,154	108,961	3,105,403	
1942	9,478,793	107,441		107,441	100,996	4,624	105,627	3,211,023	
1943	9,481,624	112,621		112,621	112,023	5,786	117,800	3,328,832	
1944	9,481,624	119,479		119,479	115,231	864	116,095	3,444,927	
1945	9,482,099	135,973		135,973	121,018	4,248	125,266	3,570,193	
1946	9,490,793	150,179		150,179	104,660	16,163	120,823	3,691,016	
Total		6,132,526	¹ 2,397,199	3,735,327	3,292,172	398,844	3,691,016		
Collected				3,691,016					
Uncollected				44,311					

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1909	\$15,182	\$10,422	1907, July 29. Public notice. Construction charge \$35 per acre, payable in 10 equal annual installments.
1910	¹ 1,674	3,690	1909, Mar. 3. Public notice. Construction charge \$45 per acre, payable in 10 equal annual installments.
1911	85,153	13,255	1911, Dec. 30. Public notice. Increases \$45 construction charge to \$55, with first payment due Dec. 1, 1911, and graduated annual installments for 9 years.
1912	45,837	56,290	1916, Jan. 13. Public notice. Construction charge \$52.25 per acre, payable in 15 graduated annual installments.
1913	116,169	81,112	1920, Dec. 21. Public notice. Construction charge \$75 per acre, payable in 20 graduated annual installments.
1914	78,174	95,929	1922, Jan. 10. Public notice. Supplemental construction, rate \$16 per acre, payable in 3 annual installments after regular charges.
1915	¹ 59,616	16,501	1927, June 18. Public notice. Construction charge \$71 per acre, payable in accordance with terms of contract with Pathfinder Irrigation District.
1916	73,383	56,667	1907, Sept. 3, and 1914, Dec. 24. Contracts with North Platte Canal & Colonization Co. covering purchase of 54,000 acre-feet of water from Interstate Canal. Cost \$10,000, payable in 10 equal annual installments.
1917	112,210	101,054	1917, June 16. Contract with Farmers Irrigation District covering drainage construction, cost \$48,502.75, payable in 10 graduated annual installments.
1918	130,981	114,496	1918, May 31. Contract with Farmers Irrigation District covering drainage construction. Cost \$9,126.90, payable in 10 graduated annual installments.
1919	192,455	172,733	1918, May 31. Contract with Alliance Irrigation District covering drainage construction. Cost \$2,656.50, payable in 10 graduated annual installments.
1920	242,593	239,179	1918, May 31. Contract with city of Bayard covering drainage construction. Cost \$24,379.78, payable in 10 graduated annual installments.
1921	300,845	152,269	1926, July 31. Contract with Pathfinder Irrigation District. District assumes obligation of individual water-right applications for lands in Nebraska. Delinquent charges funded. Future payments to be on crop production basis, annual installments 5 per cent of average gross acre income for 10 preceding years.
1922	201,698	87,663	
1923	185,912	94,883	
1924	156,276	42,547	
1925	119,716	54,983	
1926	198,655	30,397	
1927	¹ 703,531	8,356	
1928	858	13,844	
1929	¹ 44,964	¹ 7,122	
1930	¹ 69	0	
1931	¹ 1,715	4,401	
1932	0	0	
1933	¹ 961	18	
Total	1,443,567	1,443,567	

Does not include \$100,483 funds advanced by Farmers Irrigation District for operation and maintenance of the district's irrigation system in 1925 and 1926.

¹ Decrease. Decreases are due to cancellations of water-right applications, funding of delinquent charges, and deferments under relief acts.

² Increase in obligation due to opening of additional lands to homestead entry.

³ Increase in obligation due to funding of delinquent charges under 1926 contract.

This division is on a crop repayment basis.

Operation and maintenance of this division was turned over to the Pathfinder Irrigation District in 1927.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands-----		\$7, 298, 772
Suspended lands (temporarily unproductive) ² -----		2, 192, 021
Total amount repayable-----		9, 490, 793
	Due to June 30--	
	1946-----	³ 3,567, 662
	1947-----	183, 157
	1948-----	182, 834
	1949-----	177, 849
	1950-----	172, 989
	1951-----	172, 792
	1952-----	172, 163
	1953-----	171, 177
	1954-----	169, 939
	1955-----	168, 239
	1956-----	166, 628
	1957-----	164, 416
	1958-----	161, 277
	1959-----	156, 519
	1960-----	149, 786
	1961-----	145, 079
	1962-----	140, 156
	1963-----	133, 403
	1964-----	125, 386
	1965-----	117, 645
	1966-----	108, 250
	1967-----	97, 784
	1968-----	86, 665
	1969-----	75, 482
	1970-----	63, 868
	1971-----	51, 938
	1972-----	42, 655
	1973-----	34, 667
	1974-----	26, 621
	1975-----	19, 731
	1976-----	14, 199
	1977-----	9, 053
	1978-----	5, 137
	1979-----	3, 900
	1980-----	2, 593
	1981-----	1, 937
	1982-----	1, 690
	1983-----	1, 625
	1984-----	1, 385
	1985-----	1, 214
	1986-----	1, 108
	1987-----	1, 108
	1988-----	1, 108
	1989-----	1, 108
	1990-----	1, 105
	1991-----	1, 102
	1992-----	1, 102
	1993-----	1, 102
	1994-----	1, 066
	1995-----	1, 020
	1996-----	1, 020
	1997-----	1, 020

See footnotes at end of table.

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	Due to June 30--	
	1998-----	\$1, 020
	1999-----	1, 020
	2000-----	1, 020
	2001-----	1, 020
	2002-----	1, 020
	2003 and after.	31, 213

¹ Average of 1939-44 crop returns used in estimating repayment after 1946. All lands will be paid out by 2003 except about 11 farm units in Wyoming which will extend for a number of years at \$1 per acre.

² Lands considered temporarily unproductive on which charges are not currently assessed.

³ An additional amount of \$137,526 has been paid on suspended lands.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1908 ² -----	22, 691	\$61, 880	\$2. 73
1909 ² -----	41, 214	438, 746	10. 65
1910 ² -----	43, 300	346, 302	8. 00
1911 ² -----	34, 350	446, 900	13. 01
1912-----	47, 251	521, 455	11. 04
1913-----	54, 306	786, 621	14. 48
1914-----	59, 536	890, 202	14. 95
1915-----	68, 130	1, 263, 617	18. 55
1916-----	74, 766	1, 633, 390	21. 85
1917-----	80, 760	3, 385, 060	41. 92
1918-----	85, 308	3, 100, 710	36. 35
1919-----	85, 690	3, 916, 736	45. 71
1920-----	85, 830	4, 043, 600	47. 11
1921-----	85, 580	2, 406, 920	28. 12
1922-----	86, 400	1, 878, 450	21. 74
1923-----	85, 986	2, 025, 580	23. 56
1924-----	80, 910	2, 343, 110	28. 96
1925-----	81, 923	3, 169, 208	38. 69
1926-----	82, 870	2, 664, 650	32. 15
1927-----	86, 818	2, 548, 770	29. 36
1928-----	89, 890	2, 450, 790	27. 26
1929-----	87, 995	3, 242, 370	36. 85
1930-----	89, 715	2, 836, 374	31. 62
1931-----	90, 427	1, 629, 252	18. 02
1932-----	87, 985	1, 143, 133	12. 99
1933-----	81, 446	1, 952, 756	23. 98
1934-----	78, 360	1, 814, 842	23. 16
1935-----	80, 263	1, 862, 206	23. 20
1936-----	76, 650	2, 861, 803	37. 34
1937-----	70, 040	2, 168, 890	30. 97
1938-----	71, 710	1, 767, 364	24. 65
1939-----	69, 964	2, 095, 494	29. 95
1940-----	70, 551	1, 569, 656	22. 25
1941-----	73, 229	2, 724, 491	37. 21
1942-----	73, 520	3, 212, 709	43. 70
1943-----	74, 296	4, 472, 111	60. 19
1944-----	77, 973	4, 375, 586	56. 12
1945-----	74, 650	4, 335, 681	58. 08

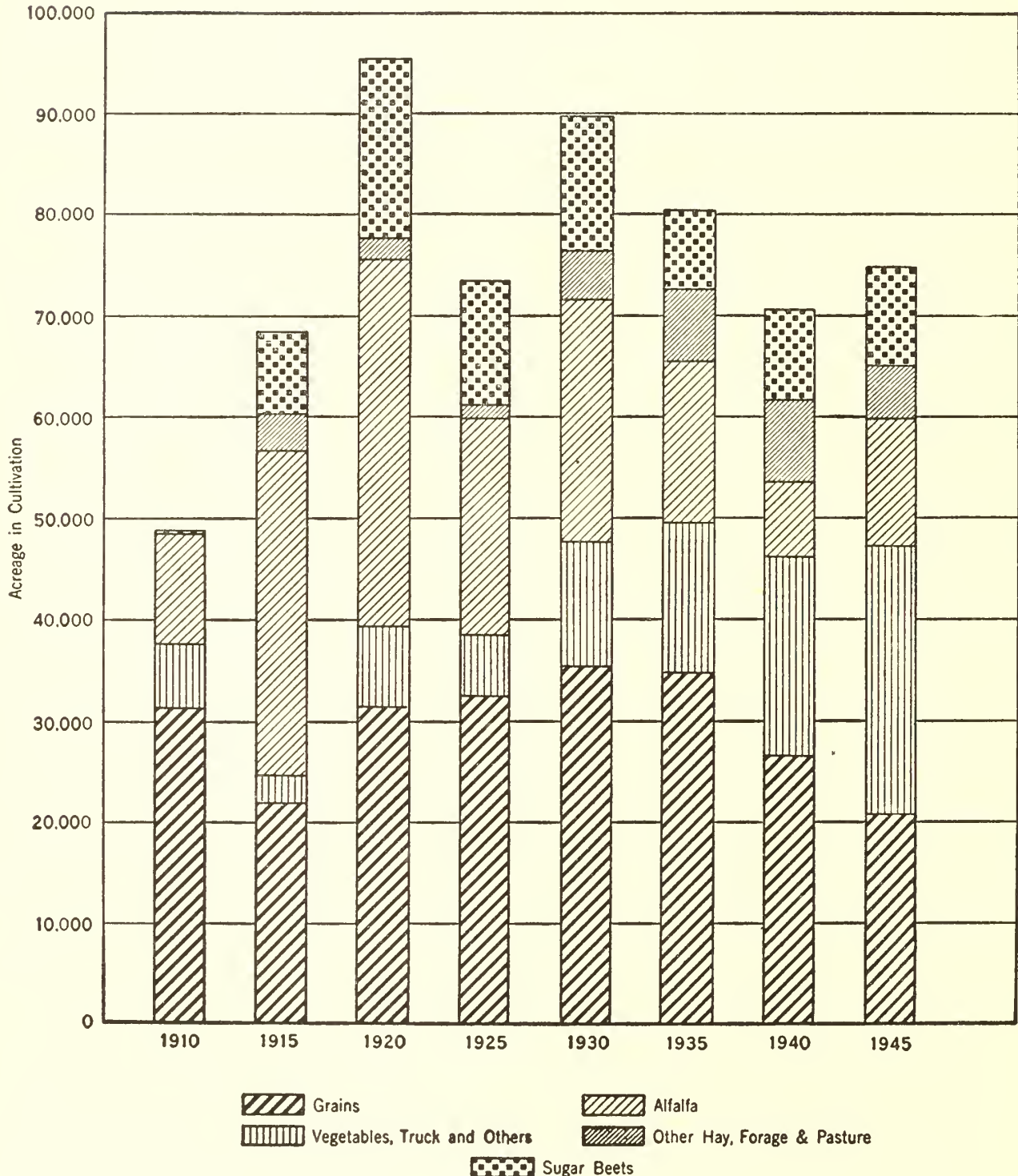
¹ Includes Government benefit payments.

² Estimated.

NORTH PLATTE PROJECT, NEBR. - WYO.

INTERSTATE DIVISION

CROP HISTORY



Water Service Commenced in 1906

*Northport
Division*

The Northport Irrigation District has contracted to repay the United States \$1,112,464 for construction of the irrigation works to serve lands in the district. Repayments commenced in 1925. To June 30, 1946, a total of \$196,287 had become due and \$146,166 had been paid, leaving an unpaid balance of \$50,121.

The irrigation system is operated by the Northport Irrigation District. Prior to District operation, the water users paid the United States a total of \$46,419 for operation and maintenance. The United States operates reserved works with funds advanced by the water users of the North Platte project. The Northport Irrigation District has advanced \$19,118 to cover its share of this cost.

The district is in financial difficulties which have made it necessary to postpone a part or all of the annual construction charge installments in recent years. In accordance with the act of August 4, 1939, an investigation and economic analysis, including complete land reclassification,

have recently been made for the purpose of determining the repayment ability of the water users as a basis for negotiating an amendatory repayment contract.

The water users, who are paying for the project power system, receive credit annually for net power earnings, part of which is used for payments by the United States to the Farmers Irrigation District for conveyance of water through its canal to the Northport Division.

Determination of repayment obligation as of June 30, 1946:

Cost	\$1, 096, 433
Operation and maintenance funded	51, 960
Penalties funded	6, 809
<hr/>	
Total	1, 155, 202
Less construction revenues	46, 637
<hr/>	
Total	1, 108, 565
Adjustment to be made	3, 899
<hr/>	
Total	1, 112, 464

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1925	\$1, 050, 000	\$21, 000		\$21, 000					
1926	1, 050, 000	21, 000		21, 000					
1927	1, 050, 000		¹ \$42, 000	¹ 42, 000					1927. Adjustments under 1926 contract.
1928	1, 112, 695	4, 228		4, 228	\$4, 228		\$4, 228		Moratorium period. Acts of April 1, 1932, March 3, 1933, March 27, 1934, June 13, 1935, and April 14, 1936. Construction charges deferred for years 1930—\$928; 1931—\$2,798; 1932—\$1,676; 1933—\$1,773.
1929	1, 112, 695	8, 396		8, 396	8, 396		8, 396	12, 624	
1930	1, 112, 695	12, 997		12, 997	12, 985		12, 985	25, 609	
1931	1, 112, 405	12, 997		12, 997	12, 997	\$12	13, 009	38, 618	
1932	1, 112, 441	16, 665		16, 665	16, 665		16, 665	55, 283	
1933	1, 112, 410	16, 203	¹ 7, 150	9, 053	9, 053		9, 053	64, 336	
1934	1, 112, 464	10, 985		10, 985	10, 985		10, 985	75, 321	
1935	1, 112, 464	14, 071	¹ 9, 705	4, 366	4, 368		4, 368	79, 689	
1936	1, 112, 464	1, 714		1, 714	1, 714		1, 714	81, 403	
1937	1, 112, 464			0			0	81, 403	
1938	1, 112, 464	13, 380		13, 380	13, 380		13, 380	94, 783	
1939	1, 112, 464	9, 223		9, 223	9, 223		9, 223	104, 006	
1940	1, 112, 464			0			0	104, 006	
1941	1, 112, 464	15, 095		15, 095	7, 595		7, 595	111, 601	
1942	1, 112, 464	16, 494		16, 494	6, 492		6, 492	118, 093	
1943	1, 112, 464	19, 402	¹ 16, 160	3, 242	8, 121		8, 121	126, 214	
1944	1, 112, 464	21, 765	¹ 12, 500	9, 265	6, 765		6, 765	132, 979	
1945	1, 112, 464	30, 223		30, 223	5, 223		5, 223	138, 202	
1946	1, 112, 464	32, 964	¹ 15, 000	17, 964	7, 964		7, 964	146, 166	
Total		298, 802	¹ 102, 515	196, 287	146, 154	12	146, 166		Relief under Act of August 4, 1939. Construction charges deferred for calendar years 1939—\$5,000; 1940—\$7,500; 1941—\$8,660; 1942—\$12,500; 1943—\$15,000.
Collected				146, 166					
Uncollected				50, 121					

¹ Decrease. Deferments under relief acts.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1924-----	\$22,748		1919, Feb. 24. Contract with Northport Irrigation District. Contract provides for water right for 15,000 acres at \$70 per acre, payable in 20 graduated annual installments. 1926, Nov. 24. Contract with Northport Irrigation District amending 1919 contract and providing for repayment on the crop repayment basis. 1926 operation and maintenance cost and delinquent charges and penalties funded. 1934, Apr. 1. Contract with Northport Irrigation District amending 1926 contract. Repayment charged to 40-year basis and graduated scale. Power profits to be credited against total debt independently of annual installments to be paid by district.
1925-----	22,922	\$22,748	
1926-----	22,985	23,381	
1927-----	² 22,236	290	
Total-----	46,419	46,419	
	Operation and maintenance of Northport Division assumed by Northport Irrigation District in 1927.		

² Decrease.

This division is on a 40-year repayment basis. Operation and maintenance by the Northport Irrigation District.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands-----		\$869,247
Suspended lands (temporarily unproductive) ² -----		243,217
Total amount repayable-----		1,112,464
	Due to June 30—1946-----	196,287
	1947-----	30,500
	1948-----	30,500
	1949-----	30,500
	1950-----	37,765
	1951-----	37,765
	1952-----	37,765
	1953-----	37,765
	1954-----	37,765
	1955-----	37,765
	1956-----	37,765
	1957-----	37,765
	1958-----	37,765
	1959-----	37,765
	1960-----	37,765
	1961-----	37,765
	1962-----	37,765
	1963-----	37,765
	1964-----	6,690
	1965-----	5,000
	1966-----	7,500
	1967-----	8,660
	1968-----	12,500
	1969-----	12,400

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1921-----	1,800	\$35,900	\$19.94
1922-----	3,450	72,520	21.02
1923-----	8,800	141,531	16.08
1924-----	9,170	176,820	19.28
1925-----	8,785	203,571	23.17
1926-----	10,210	246,640	24.16
1927-----	10,305	243,446	23.62
1928-----	11,240	235,960	20.99
1929-----	11,385	249,720	21.93
1930-----	11,928	278,497	23.35
1931-----	11,296	176,347	15.61
1932-----	13,455	110,482	8.21
1933-----	12,313	148,379	12.05
1934-----	11,189	176,143	15.74
1935-----	14,651	130,761	8.93
1936-----	11,235	187,873	16.72
1937-----	9,885	196,835	19.91
1938-----	10,252	219,918	21.45
1939-----	9,720	192,543	19.81
1940-----	8,614	184,456	21.41
1941-----	9,249	245,679	26.56
1942-----	9,957	302,316	30.36
1943-----	8,765	285,174	32.54
1944-----	8,343	192,667	23.09
1945-----	8,564	261,388	30.52

¹ Includes Government benefit payments.

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

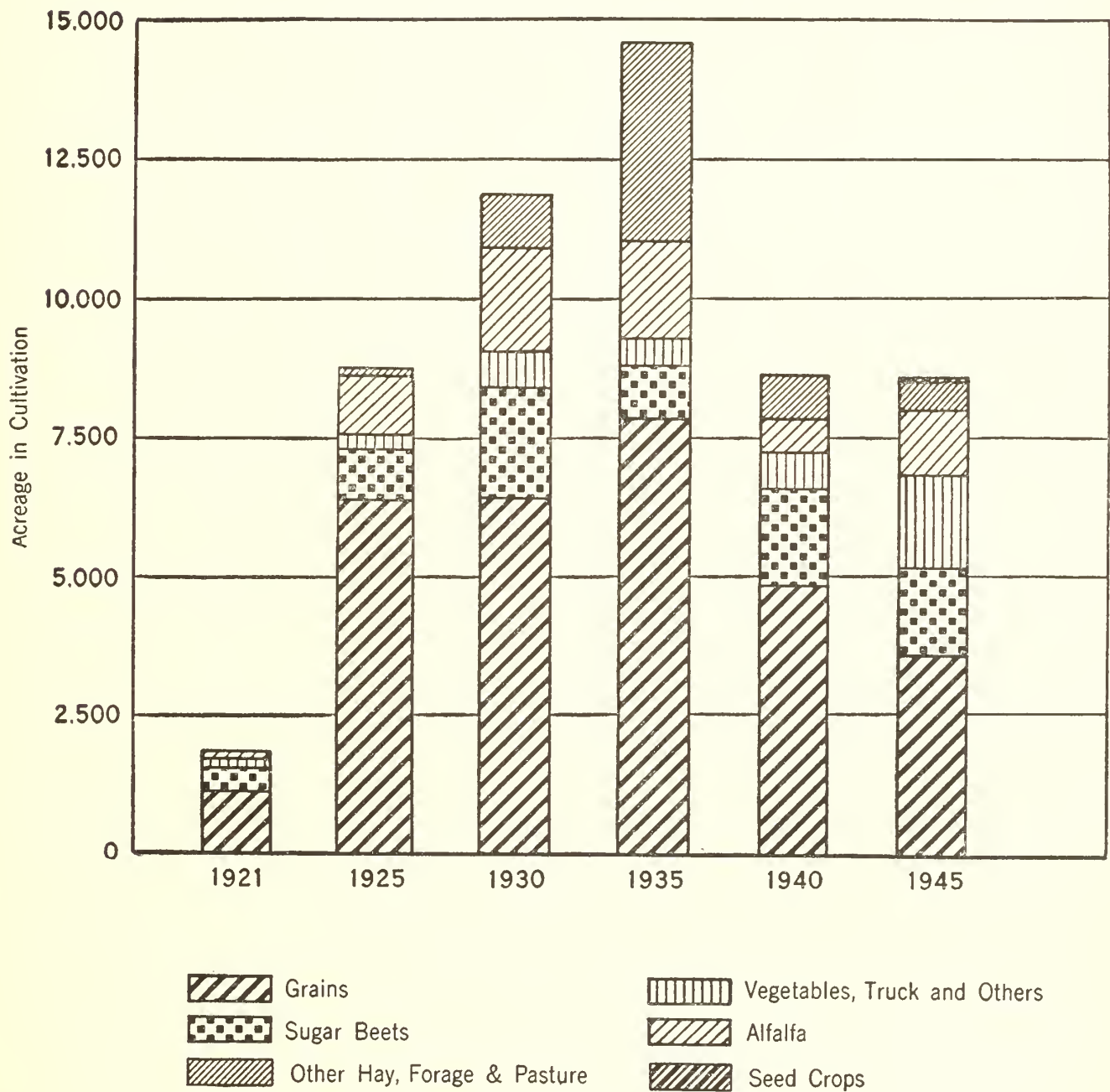
² Lands considered temporarily unproductive on which charges are not currently assessed.

Contractor: Northport Irrigation District.

NORTH PLATTE PROJECT, NEBR. - WYO.

NORTHPORT DIVISION

CROP HISTORY



Water Service Commenced in 1920

Storage
Division

Various irrigation districts and water users' associations have contracted to pay a total of \$972,320 for the purchase of water from Pathfinder Reservoir or other facilities of the North Platte project, in accordance with the Warren Act (act of Feb. 21, 1911, 36 Stat. 925). To June 30, 1946, a total of \$914,642, or 94 percent, had become due and \$912,023 had been paid, leaving an unpaid balance of \$2,619. Payments of all

installments on these contracts will be completed in the fiscal year 1949.

A total of \$203,953 has been collected from these contractors for their share of the operation and maintenance of the storage system. Storage water rental collections amount to \$79,922.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$895,866
Operation and maintenance added	2,657
Penalties added.....	73,797
Total.....	972,320

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1913.....	\$632,900	\$38,290		\$38,290	\$38,290		\$38,290	\$38,290	
1914.....	717,325	6,372		6,372	1,227		1,227	39,517	
1915.....	717,325	12,404		12,404	5,614	\$3,095	8,709	48,226	
1916.....	925,065	39,822		39,822	7,000		7,000	55,226	
1917.....	925,065	40,575		40,575	21,650	27,861	49,511	104,737	
1918.....	934,770	61,136		61,136	21,041	9,686	30,727	135,464	
1919.....	929,560	51,540	¹ \$5,210	46,330	28,488	29,129	57,617	193,081	1919. Beerline contract reduced.
1920.....	929,560	71,321		71,321	30,024	29,714	59,738	252,819	
1921.....	929,560	81,306		81,306	10,971	32,263	43,234	296,053	
1922.....	929,560	46,811		46,811	5,508	64,877	70,385	366,438	
1923.....	949,820	75,037		75,037	4,115	34,172	38,287	404,725	
1924.....	950,200	64,303		64,303	2,037	23,973	26,010	430,735	
1925.....	950,200	64,445		64,445	1,504	29,476	30,980	461,715	
1926.....	950,200	31,366		31,366	3,967	24,460	28,427	490,142	
1927.....	951,855	30,526	¹ 19,865	10,661	2,026	33,306	35,332	525,474	1927. Lingle 1925 installment deferred.
1928.....	1,014,555	39,111	¹ 97,376	¹ 58,265	37,873	5,393	43,266	568,740	1928. Deferments Farmers and Brown Creek.
1929.....	1,014,555	40,123		40,123	38,715	1,238	39,953	608,693	
1930.....	1,014,555	40,124		40,124	35,476	1,408	36,884	645,577	
1931.....	1,020,403	37,563	¹ 7,602	29,961	33,511	1,324	34,835	680,412	
1932.....	1,020,403	2,811		2,811	2,811	761	3,572	683,984	} Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Total amount of construction charges deferred for years 1931-36, \$169,089.
1933.....	1,021,347	16,471	¹ 7,376	9,095	15,696		15,696	699,680	
1934.....	1,025,948	3,017	¹ 15,060	¹ 12,043	1,660	¹ 14,236	¹ 12,576	687,104	
1935.....	1,028,909	3,111		3,111	1,134		1,134	688,238	
1936.....	1,026,655	5,936		5,936	3,419	1,105	4,524	692,762	
1937.....	1,026,655	11,873		11,873	9,916	1,358	11,274	704,036	
1938.....	1,026,655	20,650		20,650	20,650	1,575	22,225	726,261	
1939.....	1,026,655	23,180		23,180	23,180	49	23,229	749,490	
1940.....	1,026,655	21,438		21,438	21,438		21,438	770,928	
1941.....	1,026,655	18,577	¹ 2,911	15,666	18,576		18,576	789,504	1941. Deferment Brown Creek.
1942.....	1,026,655	19,899		19,899	18,489		18,489	807,993	
1943.....	972,320	22,018	¹ 54,334	¹ 32,316	20,607		20,607	828,600	
1944.....	972,320	23,719		23,719	23,719	437	24,156	852,756	1943. Bridgeport cancellation of contract and debt, act of Aug. 1, 1942.
1945.....	972,320	29,750		29,750	29,750	423	30,173	882,929	
1946.....	972,320	29,751		29,751	28,542	552	29,094	912,023	
Total.....		1,124,376	¹ 209,734	914,642	568,624	343,399	912,023		
Collected.....				912,023					
Uncollected.....				2,619					

¹ Decrease.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1913	\$2,514	\$2,217	Beerline Irrigation Canal Co. Mar. 6, 1913, for purchase of 2,800 acre-feet for \$10,250 payable in 5 installments. Contract of July 3, 1918, reduces to 1,639 acre-feet for \$5,040.
1914	1,531	670	
1915	3,943	2,054	Brown Creek Irrigation Canal Co. July 14, 1913, and Aug. 4, 1914, for purchase of 19,900 acre-feet for \$61,900 payable in 10 annual installments. Contracts of Apr. 27, 1927, and Nov. 30, 1914, allow extension of time of payment.
1916	3,576	835	Central Irrigation District, Mar. 6, 1913, and Aug. 4, 1914, for purchase of 4,050 acre-feet for \$12,275, payable in 10 annual installments.
1917	3,668	7,172	Chimney Rock Irrigation Canal and Water Power Co. Mar. 6, 1913, and Aug. 6, 1914, and Aug. 30, 1916, for purchase of 10,300 acre-feet for \$32,900, payable in 10 annual installments. Contract of Feb. 27, 1926, allows extension of final payment.
1918	6,487	2,724	
1919	6,077	11,021	Gering Irrigation District. Jan. 17, 1913, and Aug. 4, 1914, for purchase of 35,500 acre-feet for \$100,000, payable in 10 annual installments.
1920	7,413	6,692	Tri-State Land Co. Aug. 20, 1912, and Dec. 6, 1912, for purchase of 180,000 acre-feet for \$500,000, payable in 20 annual installments. By contract of Aug. 10, 1915, company's interest assigned to Farmers Irrigation District. Contract of July 15, 1927, allowed extension of 8 years in time of payment.
1921	3,707	2,459	Bridgeport Irrigation District. June 14, 1915, for purchase of 30,478 acre-feet for \$77,620, payable in 10 annual installments. By act of Congress of Aug. 1, 1942, district's contract canceled and payments forfeited.
1922	2,672	3,095	Goshen Land Co. July 1, 1915, for purchase of 29,244 acre-feet for \$94,260, payable in 10 annual installments. Contract of Mar. 9, 1917, assigned rights of company to Lingle Water Users Association. By contract of May 10, 1922, association purchased 3,609 acre-feet additional for \$20,260, payable in 10 annual installments. Contract of Sept. 29, 1926, extended time of payment of 1925 installment over 3 years.
1923	17,571	6,438	Pleasant Valley Lateral Association. June 6, 1915, and Dec. 18, 1915, for purchase of 13,522 acre-feet for \$35,860, payable in 10 annual installments. Contract of Dec. 15, 1928, assigned rights to Hill Irrigation District and allowed extension of time for payment of unpaid and unaccrued balances.
1924	9,800	12,874	Lincoln Land Co. Apr. 17, 1917, for purchase of 1,941 acre-feet for \$9,705, payable in 10 annual installments.
1925	9,420	13,633	
1926	9,420	4,178	
1927	7,065	2,182	
1928	7,065	17,444	
1929	7,065	9,258	
1930	7,065	4,916	
1931	7,024	9,377	
1932	7,448	5,328	
1933	4,778	2,059	
1934	¹ 1,697	639	
1935	5,404	4,816	
1936	6,244	3,531	
1937	4,515	7,064	
1938	7,361	6,117	
1939	6,841	5,260	
1940	6,795	6,736	
1941	5,826	6,411	
1942	6,171	5,711	
1943	¹ 3,810	5,976	
1944	7,489	7,444	
1945	7,088	7,154	
1946	10,483	10,468	
Total	204,019	203,953	

¹ Decrease.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$972,320
	Due to June 30—	
	1946	914,642
	1947	28,896
	1948	19,188
	1949	9,594

¹ Miscellaneous contractors having Warren Act contracts for storage water.

Power and Irrigation Summary—Status of Repayment Account ¹

ALL DIVISIONS

Fiscal year	Repayable	Payout schedule			Balance repayable
	Irrigation contracts	Total	By water users	Power revenues applied	
1909		\$5,008	\$5,008		
1910		65,929	65,929		
1911		27,822	27,822		
1912		24,647	24,647		
1913		82,783	82,783		
1914		16,685	16,685		
1915		61,188	61,188		
1916		115,082	115,082		
1917	\$6,213,940	152,804	152,804		\$5,711,286
1918	6,738,562	128,796	128,796		6,107,112
1919	6,793,191	211,466	211,466		5,950,275
1920	6,832,272	244,002	244,002		5,745,354
1921	6,936,722	234,723	234,723		5,615,081
1922	8,758,123	210,465	210,465		7,226,017
1923	8,812,810	137,914	137,914		7,142,790
1924	8,826,137	57,964	57,964		7,698,153
1925	15,201,172	48,919	48,919		13,424,269
1926	15,336,436	119,486	119,486		13,440,047
1927	15,338,191	292,974	292,974		13,148,828
1928	22,333,080	182,917	182,917		19,960,800
1929	22,251,726	152,732	152,732		19,726,714
1930	22,189,028	92,191	92,191		19,571,825
1931	22,201,244	247,892	185,234	\$162,658	19,236,149
1932	22,209,330	288,301	32,083	256,218	18,955,934
1933	22,221,397	360,843	45,393	315,450	18,607,158
1934	22,151,352	173,887	21,929	151,958	18,363,226
1935	22,157,597	131,995	39,321	92,674	18,237,476
1936	22,152,201	125,189	22,287	102,902	18,106,891
1937	22,161,702	142,614	24,451	118,163	17,973,778
1938	22,162,150	257,922	122,398	135,524	17,716,304
1939	22,160,325	326,209	137,242	188,967	17,388,270
1940	22,160,325	294,750	111,585	183,165	17,093,520
1941	22,160,325	294,475	128,855	165,620	16,799,045
1942	22,160,325	288,582	144,728	143,854	16,510,463
1943	22,108,821	357,861	211,986	145,875	16,101,098
1944	22,108,821	314,066	161,802	152,264	15,787,032
1945	22,109,296	338,208	188,072	150,136	15,449,299
1946	22,117,990	347,702	194,878	152,824	15,110,291
1947	22,117,990	567,623	431,223	136,400	14,542,668
1948	22,117,990	460,541	348,571	111,970	14,082,127
1949	22,117,990	445,962	333,992	111,970	13,636,165
1950	22,117,990	438,773	326,803	111,970	13,197,392
1951	22,117,990	438,576	326,606	111,970	12,758,816
1952	22,117,990	437,947	394,717	43,230	12,320,869
1953	22,117,990	436,961	393,731	43,230	11,883,908
1954	22,117,990	435,723	392,493	43,230	11,448,185
1955	22,117,990	434,023	390,793	43,230	11,014,162
1956	22,117,990	432,412	389,182	43,230	10,581,750
1957	22,117,990	430,200	386,970	43,230	10,151,550
1958	22,117,990	427,061	383,831	43,230	9,724,489
1959	22,117,990	422,303	379,073	43,230	9,302,186
1960	22,117,990	415,570	372,340	43,230	8,886,616
1961	22,117,990	410,863	367,633	43,230	8,475,753
1962	22,117,990	405,940	362,710	43,230	8,069,813
1963	22,117,990	399,187	355,957	43,230	7,670,626
1964	22,117,990	360,095	316,865	43,230	7,310,531
1965	22,117,990	350,664	307,434	43,230	6,959,867
1966	22,117,990	343,769	300,539	43,230	6,616,098
1967	22,117,990	334,463	291,233	43,230	6,281,635
1968	22,117,990	327,184	283,954	43,230	5,954,451
1969	22,117,990	315,901	272,671	43,230	5,638,550
1970	22,117,990	291,887	248,657	43,230	5,346,663
1971	22,117,990	221,797	178,567	43,230	5,124,866
1972	22,117,990	171,278	128,048	43,230	4,953,588
1973	22,117,990	163,290	120,060	43,230	4,790,298
1974	22,117,990	155,244	112,014	43,230	4,635,054
1975	22,117,990	148,354	105,124	43,230	4,486,700
1976	22,117,990	121,691	78,461	43,230	4,365,009
1977	22,117,990	107,743	64,513	43,230	4,257,266
1978	22,117,990	72,408	29,178	43,230	4,184,858
1979	22,117,990	61,200	17,970	43,230	4,123,658
1980	22,117,990	59,893	16,663	43,230	4,063,765

See footnotes at end of table.

Power and Irrigation Summary—Status of Repayment Account ¹—Continued

ALL DIVISIONS

Fiscal year	Repayable	Payout schedule			Balance repayable
	Irrigation contracts	Total	By water users	Power revenues applied	
1981	\$22, 117, 990	\$59, 237	\$16, 007	\$43, 230	\$4, 004, 528
1982	22, 117, 990	58, 990	15, 760	43, 230	3, 945, 538
1983	22, 117, 990	58, 925	15, 695	43, 230	3, 886, 613
1984	22, 117, 990	58, 685	15, 455	43, 230	3, 827, 928
1985	22, 117, 990	58, 514	15, 284	43, 230	3, 769, 414
1986	22, 117, 990	56, 513	13, 283	43, 230	3, 712, 901
1987	22, 117, 990	32, 015		32, 015	3, 680, 886
1988	22, 117, 990	19, 215		19, 215	3, 661, 671
1989	22, 117, 990	19, 215		19, 215	3, 642, 456
1990	22, 117, 990	19, 212		19, 212	3, 623, 244
1991	22, 117, 990	19, 209		19, 209	3, 604, 035
1992	22, 117, 990	19, 209		19, 209	3, 584, 826
1993	22, 117, 990	19, 209		19, 209	3, 565, 617
1994	22, 117, 990	19, 173		19, 173	3, 546, 444
1995	22, 117, 990	19, 127		19, 127	3, 527, 317
1996	22, 117, 990	19, 127		19, 127	3, 508, 190
1997	22, 117, 990	21, 582		21, 582	3, 486, 608
1998	22, 117, 990	12, 107		12, 107	3, 474, 501
1999	22, 117, 990	12, 107		12, 107	3, 462, 394
2000	22, 117, 990	12, 107		12, 107	3, 450, 287
2001	22, 117, 990	12, 107		12, 107	3, 438, 180
2002	22, 117, 990	10, 339		10, 339	3, 427, 841
2003 and after	22, 117, 990	31, 213		31, 213	3, 396, 628
Charges against class 5 lands temporarily suspended					3, 396, 628
		18, 721, 362	13, 689, 507	5, 031, 855	

¹ All lands will be paid out by 2003 except about 11 farm units in Wyoming which will extend at the rate of \$1 per acre for a number of years.

² Loss.

This schedule shows as power revenues applied the anticipated credits on construction charges for power revenues distributed under subsection I of section 4 of the Act of December 5, 1924

Ogden River Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Pine View Dam and Reservoir were constructed by the United States and a contract obligation of \$4,404,380 for the cost has been assumed by the Ogden River Water Users' As-

sociation, city of Ogden, Utah Light & Power Co., and the South Ogden Conservation District. A total of \$255,446 had become due to June 30, 1946, and this amount had been paid.

It was found necessary to defer the first two installments, totaling \$150,531, due from the Ogden River Water Users' Association for the years 1942 and 1943. A survey of project conditions is being made by the Regional Director of the Bureau of Reclamation. This includes studies

of water supply, soil quality, cropping programs, etc., for a determination of the repayment ability of the project lands.

The project is operated by the Ogden River Water Users' Association.

Of the balance of the total amount paid, the city of Ogden has paid its obligation of \$35,000 in full, instead of spreading it over a period of 10 years as provided in its contract; the Utah Power & Light Co. has paid \$52,223; and the South Ogden Conservation District has paid \$17,692.

Determination of repayment obligation as of June 30, 1946:

Cost	\$4, 382, 158
Less construction revenues	12, 887
	<hr/>
Net	4, 369, 271
Future work	35, 109
	<hr/>
Total	4, 404, 380

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1935	\$2,935,000								
1936	3,535,000								
1937	4,496,115								
1938	4,496,115								
1939	4,496,115								
1940	4,841,115								
1941	4,841,115								
1942	4,841,115								
1943	4,841,115	\$91,821		\$91,821	\$16,556		\$16,556	\$16,556	Ogden River Water Users' Association construction charges deferred under act of Aug. 4, 1939, calendar years 1942, \$75,265; 1943, \$75,265.
1944	4,841,115	119,821		119,821	44,555		44,555	61,111	
1945	4,404,380	97,168	² \$150,531	² 53,363	97,168		97,168	158,279	
1946	4,404,380	97,167		97,167	97,167		97,167	255,446	
Total		405,977	² 150,531	255,446	255,446		255,446		
Collected				255,446					
Uncollected				0					

¹ Decrease in obligation represents adjustment to actual work.
² Decrease. Decrease covers amounts deferred under 1939 act.

This project is on a 39-year repayment basis.
 Operation and maintenance by the Ogden River Water Users' Association.

Contracts

1934, May 31; 1935, Nov. 30; 1936, Nov. 27. Contracts with Ogden River Water Users' Association for construction of Pine View Reservoir, estimated cost \$4,200,000, payable in 40 equal annual installments.
 1934, Aug. 20. Contract with city of Ogden for municipal water supply. Cost \$35,000, payable in 10 equal annual installments.

1934, Oct. 18. Contract with Utah Power & Light Co. for construction of wood stave pipe line. Cost \$261,115, payable in 20 equal annual installments.
 1940, May 13. Contract with South Ogden Conservation District for construction of distribution system. Estimated cost \$345,000, payable in 39 equal annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE

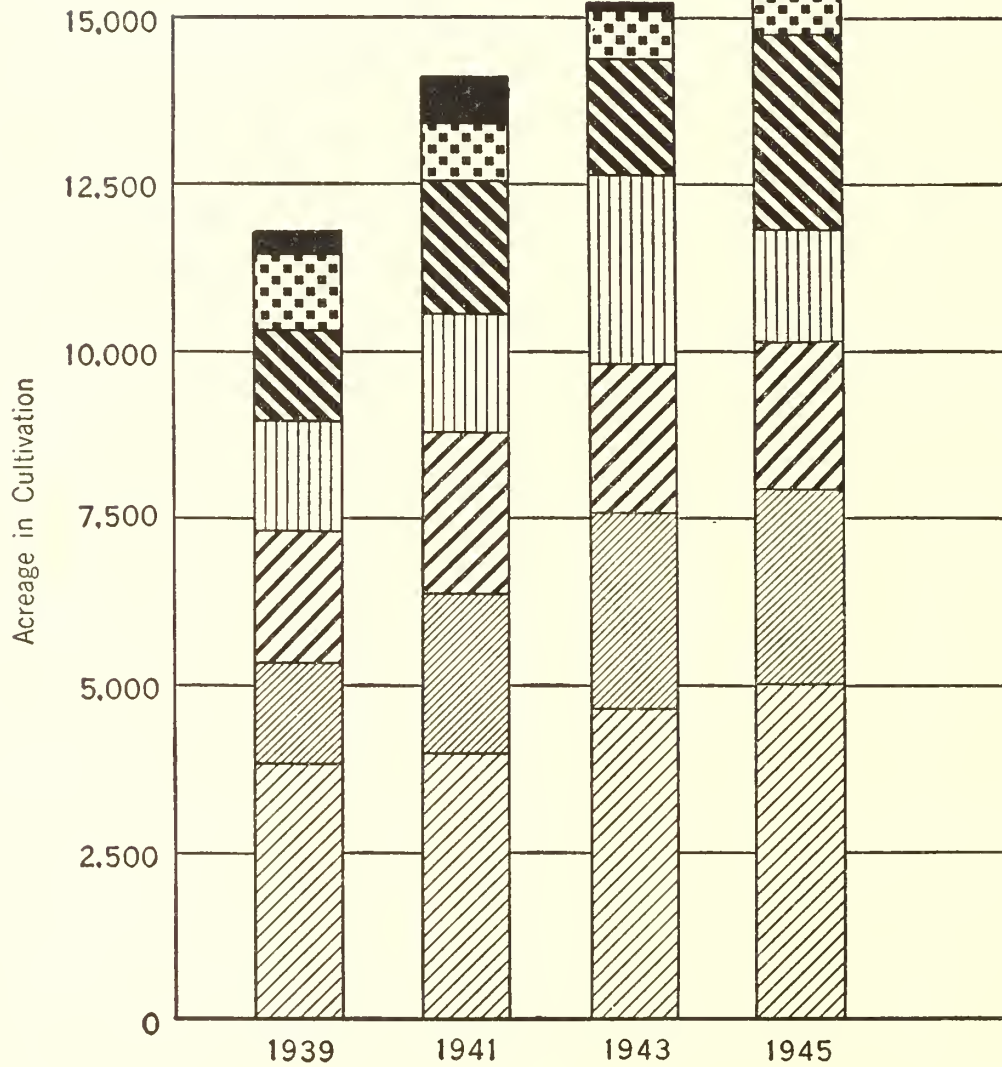
	Fiscal year	Amounts due from contractors			
		Ogden River Water Users' Association	City of Ogden	South Ogden Conservation District	Utah Power and Light Co.
Contract obligation (total \$4,404,380)-----		\$3, 763, 265	\$35, 000	\$345, 000	\$261, 115
	Due to June 30—1946----	150, 530	35, 000	17, 693	52, 223
	1947-----	75, 265	-----	8, 846	13, 056
	1948-----	75, 265	-----	8, 846	13, 056
	1949-----	75, 265	-----	8, 846	13, 056
	1950-----	75, 265	-----	8, 846	13, 056
	1951-----	75, 265	-----	8, 846	13, 056
	1952-----	75, 265	-----	8, 846	13, 056
	1953-----	94, 082	-----	8, 846	13, 056
	1954-----	94, 082	-----	8, 846	13, 056
	1955-----	94, 082	-----	8, 846	13, 056
	1956-----	94, 082	-----	8, 846	13, 056
	1957-----	94, 082	-----	8, 846	13, 056
	1958-----	94, 082	-----	8, 846	13, 056
	1959-----	94, 082	-----	8, 846	13, 056
	1960-----	94, 082	-----	8, 846	13, 056
	1961-----	94, 082	-----	8, 846	13, 056
	1962-----	94, 082	-----	8, 846	13, 052
	1963-----	103, 490	-----	8, 846	-----
	1964-----	103, 490	-----	8, 846	-----
	1965-----	103, 490	-----	8, 846	-----
	1966-----	103, 490	-----	8, 846	-----
	1967-----	103, 490	-----	8, 846	-----
	1968-----	103, 490	-----	8, 846	-----
	1969-----	103, 490	-----	8, 846	-----
	1970-----	103, 490	-----	8, 846	-----
	1971-----	103, 490	-----	8, 846	-----
	1972-----	103, 490	-----	8, 846	-----
	1973-----	103, 490	-----	8, 846	-----
	1974-----	103, 490	-----	8, 846	-----
	1975-----	103, 490	-----	8, 846	-----
	1976-----	103, 490	-----	8, 846	-----
	1977-----	103, 490	-----	8, 846	-----
	1978-----	103, 490	-----	8, 846	-----
	1979-----	103, 490	-----	8, 846	-----
	1980-----	103, 490	-----	8, 846	-----
	1981-----	103, 490	-----	8, 846	-----
	1982-----	103, 485	-----	8, 846	-----
	1983-----	75, 265	-----	8, 851	-----
	1984-----	75, 265	-----	-----	-----

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1937-----	12, 553	\$495, 302	\$39. 46
1938-----	13, 141	532, 150	40. 50
1939-----	11, 940	487, 655	40. 84
1940-----	12, 054	603, 645	50. 08
1941-----	13, 681	670, 787	49. 03
1942-----	13, 909	771, 539	55. 47
1943-----	15, 197	1, 350, 775	88. 88
1944-----	15, 245	1, 274, 159	83. 58
1945-----	15, 458	1, 292, 227	83. 60

¹ Includes Government benefit payments.

OGDEN RIVER PROJECT, UTAH

CROP HISTORY



- | | |
|--|--|
| <ul style="list-style-type: none"> Alfalfa Other Hay, Forage & Pasture Grains Vegetables, Truck and Others | <ul style="list-style-type: none"> Fruits and Nuts Sugar Beets Soil Improvement Seed Crops |
|--|--|

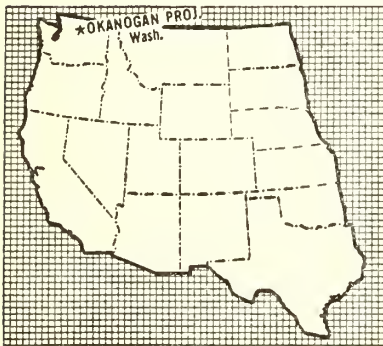
Water Service Commenced in 1937

Okanogan Project

Washington . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Okanogan Irrigation District has contracted to pay \$425,887 to the United States for construction of the project. Repayments commenced in 1909 and to June 30, 1946, a total of \$188,328

had become due. The district had collected and paid the United States a total of \$138,328. No construction payments have been made by the district in recent years.

In 1929 the project was transferred to the Okanogan Irrigation District for operation and maintenance. Prior to that time a total of \$371,442 was collected from the water users for operation and maintenance by the United States and \$110,645 for water rentals.

The Okanogan project is primarily an apple-raising area. The water supply is not adequate for the entire project acreage as originally planned, orchards have been abandoned, and the water

users have been having difficulty in meeting the annual contract installments.

Deferments under relief acts have been granted to and including the 1940 charges in a total amount of \$109,960. This project is scheduled for early investigation and study to determine what remedial action should be taken to place the project water users again in position to meet their annual contract charges.

The negotiation of an amendatory repayment contract will be necessary.

Determination of repayment obligation as of June 30, 1946:

Cost	\$1, 456, 866
Operation and maintenance funded	25, 194
Penalties funded	1, 688
Total	1, 483, 748
Less construction revenues	59, 999
Total	1, 423, 749
Less charge-off, act of May 26, 1926	997, 862
Total	425, 887

Construction Repayment

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1909		\$13,785		\$13,785	\$330		\$330	\$330	
1910		52,512		52,512	13,182		13,182	13,512	
1911		52,766		52,766	8,690		8,690	22,202	} 1912. Adjustment under 1912 public notice.
1912		610	\$52,273	¹ 51,663	26	² \$7,349	¹ 7,323	14,879	
1913		706	122	828	242	720	962	15,841	
1914		706		706	82	464	546	16,387	
1915				0			66	16,453	
1916		130	135	265	125	12	137	16,590	} 1917. Reclamation Extension Act, Aug. 13, 1914.
1917	\$780,859			¹ 52,527			59	16,649	
1918	811,649			17,370			14,584	31,233	
1919	812,014	² 21,551		88	17,884		337	31,570	
1920	821,796			13,289			2,087	33,657	
1921	821,796			229			751	34,408	
1922	1,303,003	3,196	¹ 133	3,063	123	6,596	6,719	41,127	
1923	1,498,579	12,261	¹ 829	11,432	5,818	7,336	13,154	54,281	
1924	1,497,840	6,110	¹ 1,209	4,901	2,854	6,603	9,457	63,738	
1925	1,497,840	14,617		14,617	69	1,007	1,076	64,814	
1926	1,513,288	24,004		24,004	3,144	5,595	8,739	73,553	
1927	1,513,288	46,193		46,193		27,398	27,398	100,951	
1928	1,513,288	18,215		18,215		6,548	6,548	107,499	} 1929. Adjustment under 1928 contract.
1929	² 424,199	10,426	¹ 60,133	¹ 49,707	10,426	2,441	12,867	120,366	
1930	424,199	10,425		10,425	10,425		10,425	130,791	
1931	424,199	10,426		10,426	426		426	131,217	
1932	424,199	10,426		10,426	2,155		2,155	133,372	} Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1930, \$8,924; 1931, \$10,625; 1932, \$10,325; 1933, \$10,025; 1934, \$10,025; 1935, \$10,025; 1936, \$10,012. Deferred under acts of Aug. 21, 1937; May 31, 1939 and Aug. 4, 1939, charges for calendar years 1937, \$10,000; 1938, \$10,000; 1939, \$10,000; 1940, \$10,000.
1933	424,199	10,426		10,426	426		426	133,798	
1934	424,199	10,426		10,426	426		426	134,224	
1935	426,998	426	¹ 38,271	¹ 37,845	426		426	134,650	
1936	425,875	2,826		2,826	2,826		2,826	137,476	
1937	425,887	5,426		5,426	426		426	137,902	
1938	425,887	5,426		5,426	426		426	138,328	
1939	425,887	10,000		10,000			0	138,328	
1940	425,887	10,000	¹ 20,000	¹ 10,000			0	138,328	
1941	425,887	10,000		10,000			0	138,328	
1942	425,887	10,000	¹ 20,000	¹ 10,000			0	138,328	
1943	425,887	10,000		10,000			0	138,328	
1944	425,887	10,000		10,000			0	138,328	
1945	425,887	10,000		10,000			0	138,328	
1946	425,887	10,000		10,000			0	138,328	
Total Collected		380,919	¹ 192,591	188,328	80,957	57,371	138,328		
Uncollected				50,000					

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1909	\$3,183	\$2,996	1908, Nov. 12. Public notice. Construction charge \$65 per acre, payable in 10 equal annual installments.
1910	12,120	9,159	1912, Apr. 29. Public notice. Construction charge raised to \$70, payable in annual installments of \$8 each, with first installment due on May 1, 1912.
1911	17,497	20,498	1917, Apr. 18. Public notice. Construction \$95 per acre, payable in 20 graduated annual installments.
1912	147	259	1918, Aug. 29. Public notice. Supplemental construction for pumping plant. Rate \$12.50 per acre, payable in two annual installments after regular construction.
1913	1,620	1,504	1919, Feb. 10. Contract with Okanogan Irrigation District. District assumes obligations under individual water-right applications. Delinquent charges and penalties funded with construction.
1914	873	1,024	1928, Nov. 24. Contract with Okanogan Irrigation District. Remaining obligation of district reduced to \$310,000, payable in 31 equal annual installments beginning with year 1928, plus \$4,259 for equipment taken over to be paid for in 10 years.
1915	0	0	
1916	861	802	
1917	866	808	
1918	18,149	9,727	
1919	15,395	1,184	
1920	29,362	24,100	
1921	58,122	49,170	
1922	26,781	47,100	
1923	35,992	48,918	
1924	62,556	49,775	
1925	35,983	3,998	
1926	66,123	41,179	
1927	106,615	13,235	
1928	50,846	40,356	
1929	¹ 171,649	5,650	
Total	371,442	371,442	

¹ Decrease. Decreases are due to cancellation of water-right applications, funding of delinquent charges and deferments under relief acts.

² Decrease in obligation due to provisions of 1928 contract.

This project is on a 31-year repayment basis from 1929. Operation and maintenance of project turned over to district in 1929.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$425, 887
	Due to June 30—1946	188, 328
	1947	10, 000
	1948	10, 000
	1949	10, 000
	1950	10, 000
	1951	10, 000
	1952	10, 000
	1953	10, 000
	1954	10, 000
	1955	10, 000
	1956	10, 000
	1957	10, 000
	1958	10, 000
	1959	² 7, 600
	1960	9, 984
	1961	9, 985
	1962	9, 984
	1963	9, 984
	1964	9, 985
	1965	10, 025
	1966	10, 012
	1967	10, 000
	1968	10, 000
	1969	10, 000
	1970	10, 000

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

² Payment due in fiscal year 1959 reduced \$2,400, representing proceeds from sale of power plant. Installments from 1960 on cover amounts deferred under moratorium acts.

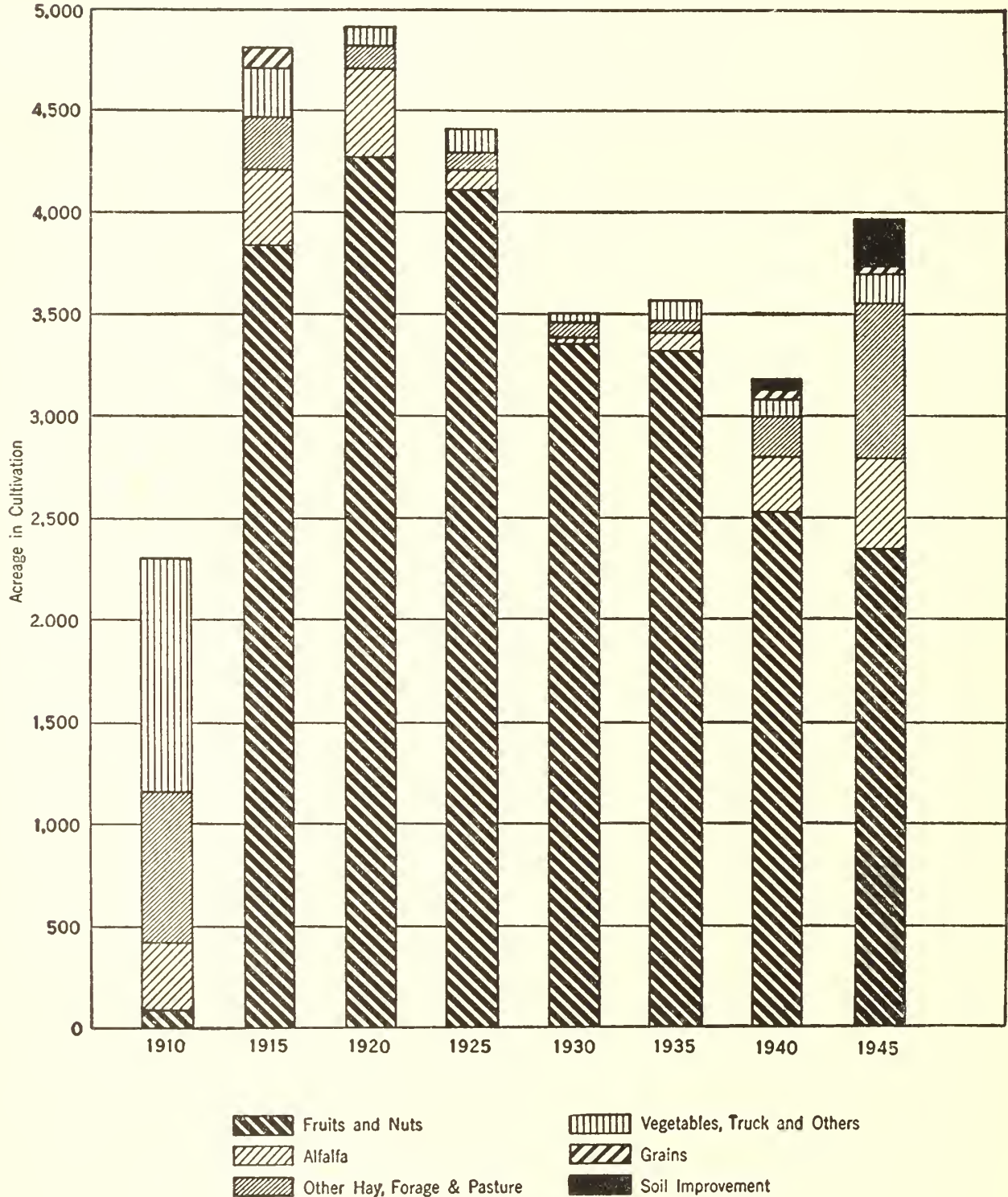
Contractor: Okanogan Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1910 ²	1, 815	\$83, 673	\$46. 10
1911 ²	2, 400	59, 871	24. 95
1912	3, 280	120, 000	36. 59
1913	2, 736	86, 438	31. 59
1914	3, 180	104, 575	32. 89
1915	4, 814	254, 425	52. 85
1916	5, 242	328, 385	62. 64
1917	6, 314	616, 640	97. 66
1918	5, 287	749, 982	141. 85
1919	5, 314	1, 951, 475	367. 23
1920	4, 920	431, 200	87. 64
1921	5, 330	2, 051, 270	384. 85
1922	4, 840	1, 607, 140	332. 05
1923	4, 550	960, 040	211. 00
1924	3, 950	699, 600	177. 11
1925	4, 414	945, 406	214. 18
1926	3, 850	512, 890	133. 22
1927	3, 760	1, 064, 215	283. 04
1928	3, 600	1, 092, 725	303. 53
1929	3, 835	979, 220	255. 34
1930	3, 503	462, 871	132. 14
1931	3, 302	307, 226	93. 04
1932	3, 196	242, 905	76. 00
1933	3, 441	371, 898	108. 08
1934	3, 334	565, 330	169. 57
1935	3, 568	599, 245	167. 95
1936	3, 488	608, 516	174. 46
1937	3, 461	132, 820	38. 37
1938	3, 742	447, 366	119. 55
1939	3, 369	361, 074	107. 18
1940	3, 174	482, 460	152. 00
1941	3, 051	844, 905	276. 93
1942	3, 289	1, 228, 472	373. 51
1943	3, 740	1, 565, 410	418. 56
1944	3, 819	2, 262, 090	592. 33
1945	3, 961	2, 436, 849	615. 21

¹ Includes Government benefit payments.

² Estimated.

OKANOGAN PROJECT, WASHINGTON CROP HISTORY



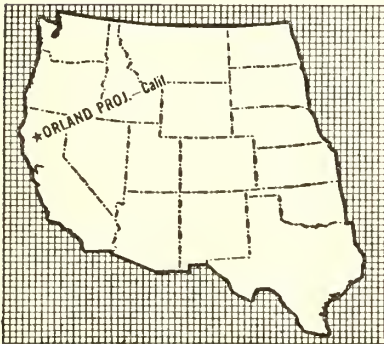
Water Service Commenced in 1908

Orland Project

California . . .

. . . Region II

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The water users on the Orland project have contracted to repay a total of \$2,463,574 for the construction of East Park and Stony Gorge Dams and the project irrigation system. Re-

payments commenced in 1917 and as of June 30, 1946, a total of \$1,067,795, or 43 percent, had been paid. A total of \$1,095,144 had become due on that date. The unpaid balance of \$27,349 is owed by a relatively small number of individuals and the Bureau is now arranging for collection of this balance.

The Orland project is operated by the United States with funds advanced by the water users. Collections for operation and maintenance have

amounted to \$1,022,805 and for water rentals to \$124,666.

The United States deals directly with individual water users, and there is no repayment contract with the Orland Unit Water Users' Association.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$2, 556, 327
Operation and maintenance funded.....	49, 090
Penalties funded.....	13, 311
Total.....	2, 618, 728
Less construction revenues.....	147, 505
Net.....	2, 471, 223
Adjustment to be made.....	¹ 7, 649
Total.....	2, 463, 574

¹Decrease. Decrease covers cancellation of water-right applications and deferments of charges under relief acts.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1917	\$735,405	\$14,708		\$14,708	\$14,708		\$14,708	\$14,708	
1918	1,019,779	21,374		21,374	21,374		21,374	36,082	
1919	1,046,033	23,356		23,356	23,356		23,356	59,438	
1920	1,054,474	16,484		16,484	16,484		16,484	75,922	
1921	1,061,211	48,303		48,303	48,303		48,303	124,230	
1922	1,063,532	44,433		44,433	44,433		44,433	168,663	
1923	1,066,904	66,566		66,566	66,566		66,566	235,229	
1924	1,068,928	66,575		66,575	66,575		66,575	301,804	
1925	1,068,570	66,455		66,455	36,659		36,659	338,463	
1926	1,068,570	66,553		66,553	52,998	\$29,796	82,794	421,257	
1927	¹ 2,439,115	66,382		66,382	53,391	11,319	64,710	485,967	
1928	2,446,427	66,139		66,139	55,534	12,060	67,594	553,561	
1929	2,450,720	67,582		67,582	54,696	10,684	65,380	618,941	
1930	2,482,343	66,599		66,599	54,554	9,680	64,234	683,175	
1931	2,474,446	66,388	² \$2,232	64,156	47,027	8,069	55,096	738,271	
1932	2,475,061	66,595		66,595	15,753	7,485	23,238	761,509	
1933	2,466,451	45,709	² 55,645	² 9,936	20,682	² 1,093	19,589	781,098	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1946. Total amount of construction charges deferred, \$321-909.
1934	2,471,584	22,479	² 43,033	² 20,554	6,771	² 16,345	² 9,574	771,524	
1935	2,475,403	37,628	² 20,159	17,469	8,334	² 6,043	2,291	773,815	
1936	2,473,636	20,244	² 16,737	3,507	6,026	² 645	5,381	779,196	
1937	2,499,849	24,780	² 21,005	3,775	11,596	² 2,866	8,730	787,926	
1938	2,503,415	23,909	² 23,417	492	14,499	² 1,682	12,817	800,743	
1939	2,499,250	31,942	² 4,537	27,405	23,191	3,317	26,508	827,251	
1940	2,500,802	30,094	² 2,466	27,628	17,343	4,767	22,110	849,361	
1941	2,499,352	36,768	² 2,638	34,130	22,361	8,523	30,884	880,245	
1942	2,473,464	35,962	² 14,842	21,120	21,996	2,992	24,988	905,233	
1943	2,470,553	36,850	² 239	36,611	25,209	11,526	36,735	941,968	
1944	2,469,157	43,560	² 1,726	41,834	31,934	8,953	40,887	982,855	
1945	2,463,340	43,132	² 5,728	37,404	33,067	8,267	41,334	1,024,189	
1946	2,463,574	42,104	² 110	41,994	33,915	9,691	43,606	1,067,795	
Total		1,309,658	² 214,514	1,095,144	949,340	118,455	1,067,795		
Collected				1,067,795					
Uncollected				27,349					

Fiscal year	Operation and maintenance		Public notices
	Accruals	Collections	
1918	\$26,477	\$26,382	1916, May 24. Construction charge \$44 per acre payable in 20 graduated annual installments.
1919	30,251	30,345	1918, Apr. 2. Supplemental construction for lining canals and laterals. Rate \$11 per acre, payable simultaneously with original construction charges.
1920	34,599	34,293	1926, June 15. Supplemental construction of Stony Gorge Reservoir. Rate \$68 per acre. Payable at the rate of \$4 per annum beginning with year 1936.
1921	40,335	40,641	1936, June 24, special act of Congress authorized repayment of cost of Stony Gorge Reservoir to be completed in 35 years and funding of delinquent charges and penalties with supplemental construction charge to be made by individual contracts.
1922	41,544	41,434	
1923	37,726	37,617	
1924	34,774	34,810	
1925	33,276	26,692	
1926	34,328	35,606	
1927	32,839	31,246	
1928	34,965	35,214	
1929	32,449	32,078	
1930	34,998	33,228	
1931	39,561	33,206	
1932	38,199	29,267	
1933	38,683	30,905	
1934	36,103	34,977	
1935	34,036	32,130	
1936	32,617	30,879	
1937	13,169	25,497	
1938	30,060	38,345	
1939	32,346	31,852	
1940	36,291	36,516	
1941	34,567	33,287	
1942	30,145	32,476	
1943	34,770	34,102	
1944	51,199	50,104	
1945	50,331	51,946	
1946	57,677	57,730	
Total	1,038,315	1,022,805	

¹ Increase in obligation due to supplemental construction under 1926 public notice.
² Decrease. Decreases cover cancellations of water-right applications and deferment of charges under relief acts.

This project is on a 35-year repayment basis from 1936.

Repayment of Construction Investment
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$2, 463, 574
	Due to June 30—1946	1, 095, 144
	1947	43, 280
	1948	42, 450
	1949	42, 450
	1950	42, 450
	1951	42, 450
	1952	42, 450
	1953	42, 450
	1954	42, 450
	1955	42, 450
	1956	42, 450
	1957	42, 450
	1958	42, 450
	1959	42, 450
	1960	42, 450
	1961	42, 450
	1962	42, 450
	1963	42, 450
	1964	42, 450
	1965	42, 450
	1966	42, 450
	1967	42, 450
	1968	42, 450
	1969	42, 450
	1970	42, 450
	1971	42, 450
	1972	55, 700
	1973	55, 700
	1974	55, 700
	1975	55, 700
	1976	55, 700
	1977	27, 850

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

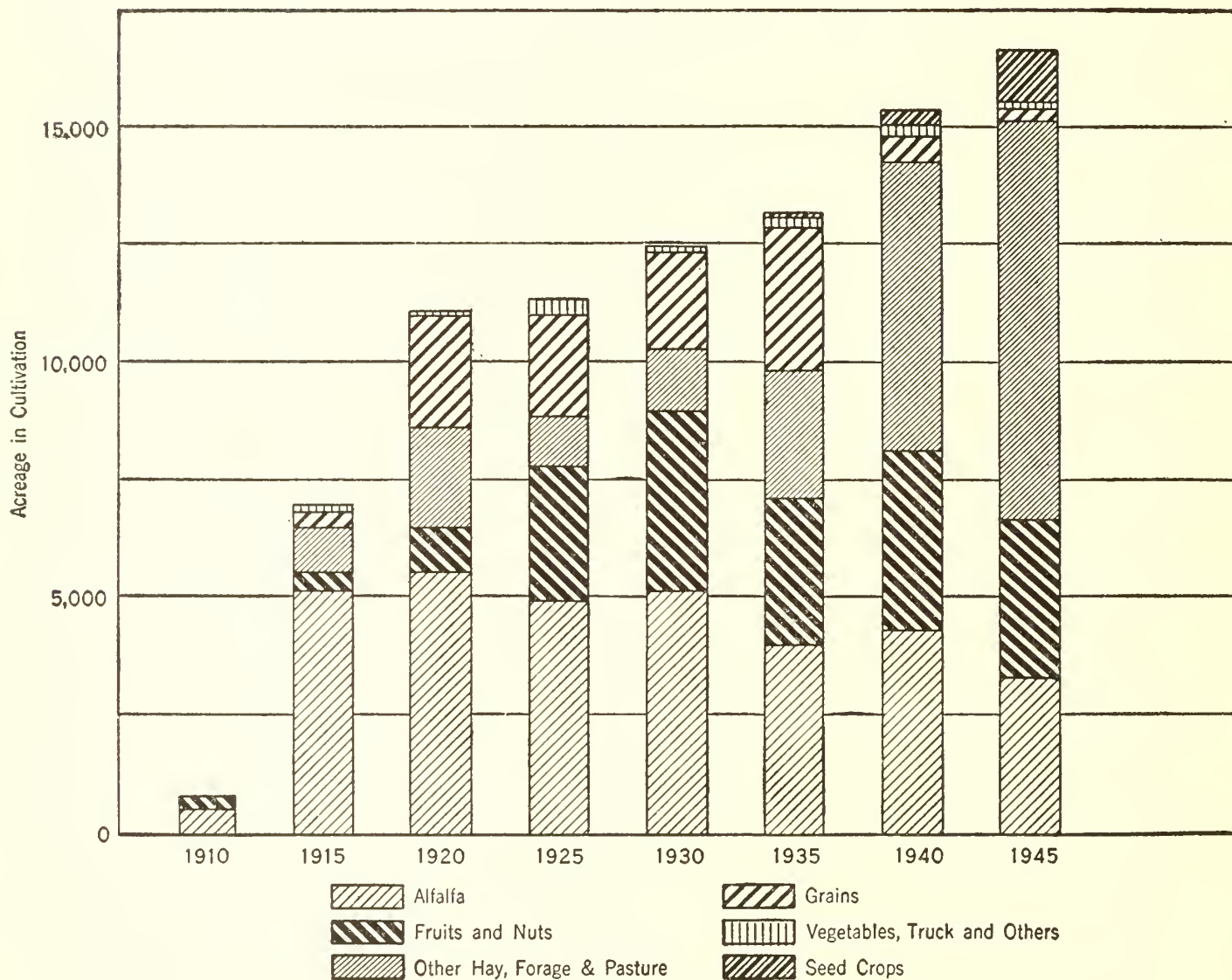
Contractor: 740 individual water-right applicants.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1910 ²	700	\$35, 000	\$50. 00
1911 ²	2, 408	60, 220	25. 00
1912	3, 705	112, 924	30. 48
1913	5, 987	203, 949	34. 07
1914	6, 540	176, 331	26. 96
1915	6, 930	220, 422	31. 81
1916	7, 011	342, 339	48. 83
1917	9, 608	543, 570	56. 57
1918	12, 075	709, 172	58. 73
1919	12, 409	892, 259	71. 90
1920	11, 040	549, 700	49. 79
1921	11, 450	495, 810	43. 30
1922	11, 800	565, 560	47. 92
1923	12, 420	637, 020	51. 29
1924	9, 970	224, 950	22. 56
1925	11, 327	504, 580	44. 55
1926	12, 700	624, 650	49. 19
1927	13, 340	740, 990	55. 55
1928	13, 310	759, 380	57. 05
1929	12, 370	503, 490	40. 70
1930	12, 454	578, 706	46. 47
1931	12, 738	376, 689	29. 57
1932	13, 017	318, 064	24. 43
1933	13, 380	400, 476	29. 93
1934	13, 265	446, 197	33. 64
1935	13, 116	341, 625	26. 05
1936	13, 016	441, 689	33. 93
1937	14, 650	580, 330	39. 61
1938	14, 978	495, 176	33. 06
1939	15, 507	640, 070	41. 28
1940	15, 335	545, 249	35. 56
1941	15, 694	570, 945	36. 38
1942	16, 082	958, 112	59. 58
1943	16, 099	1, 283, 833	79. 75
1944	17, 376	1, 839, 029	105. 84
1945	16, 614	1, 558, 785	93. 82

¹ Includes Government benefit payments.

² Estimated.

ORLAND PROJECT, CALIFORNIA CROP HISTORY



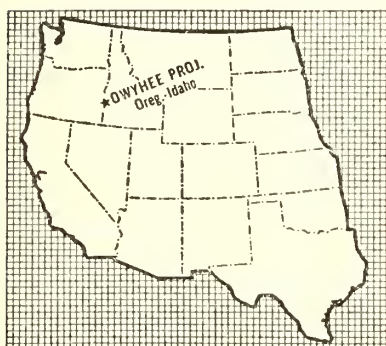
Water Service Commenced in 1910

Owyhee Project

Oregon-Idaho . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Contracts have been entered into with the Advancement Irrigation District, the Bench Irrigation District, the Crystal Irrigation District, the Gem Irrigation District, the Ontario-Nyssa Irrigation District, the Owyhee Irrigation District, the Payette-Oregon Slope Irrigation District, and the Slide Irrigation District, to pay the construction cost of the project. Their total contract obligation is \$17,845,605. Repayment will be made in 39 annual installments under the provisions of the original contracts.

Contract has also been entered into with the Owyhee Ditch Co. for purchase of 21,000 acre-feet of storage capacity in the Owyhee Reservoir at a price of \$300,000, payable in 30 equal annual installments. To June 30, 1946, the company had paid \$70,000 under this contract.

Special notices for the beginning of payment of construction charges have been issued to the eight districts and installments begin in 1946. These notices which depart from the terms of the con-

tracts, will apply for an interim period of 4 years, during which time the construction charges shall be \$2 per irrigable acre per annum. An amendatory contract is in process of negotiation to adjust repayment schedules to the ability of the water users to pay and to account for all reimbursable funds expended on the project.

Prior to 1946 the project was operated on a water-rental basis and collections of rentals amounted to \$1,429,276 on June 30, 1946. These collections were used to offset the cost of operation and maintenance during this period.

Repayment of Construction Investment

PAY-OUT SCHEDULE

Fiscal year	Amounts due from contractors	
	8 irrigation districts †	Owyhee Ditch Co.
Contract obligation (total \$18,145,605)-----	\$17, 845, 605	\$300, 000
Due to June 30—		
1946-----		70, 000
1947-----	204, 770	10, 000
1948-----	204, 770	10, 000
1949-----	204, 770	10, 000
1950-----	204, 770	10, 000
1951-----	204, 770	10, 000
1952-----	494, 757	10, 000
1953-----	494, 758	10, 000
1954-----	494, 757	10, 000

See footnote at end of table.

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE

Fiscal year	Amounts due from contractors	
	8 irrigation districts ¹	Owyhee Ditch Co.
Due to June 30—		
1955-----	\$494, 758	\$10, 000
1956-----	494, 757	10, 000
1957-----	494, 758	10, 000
1958-----	494, 757	10, 000
1959-----	494, 758	10, 000
1960-----	494, 757	10, 000
1961-----	494, 758	10, 000
1962-----	494, 757	10, 000
1963-----	494, 758	10, 000
1964-----	494, 757	10, 000
1965-----	494, 758	10, 000
1966-----	494, 757	10, 000
1967-----	494, 758	10, 000
1968-----	494, 757	10, 000
1969-----	494, 758	10, 000
1970-----	494, 757	10, 000
1971-----	494, 758	-----
1972-----	494, 757	-----
1973-----	494, 758	-----
1974-----	494, 757	-----
1975-----	494, 758	-----
1976-----	494, 757	-----
1977-----	494, 758	-----
1978-----	494, 757	-----
1979-----	494, 758	-----
1980-----	494, 757	-----
1981-----	494, 758	-----
1982-----	494, 757	-----
1983-----	494, 758	-----
1984-----	494, 757	-----
1985-----	494, 758	-----

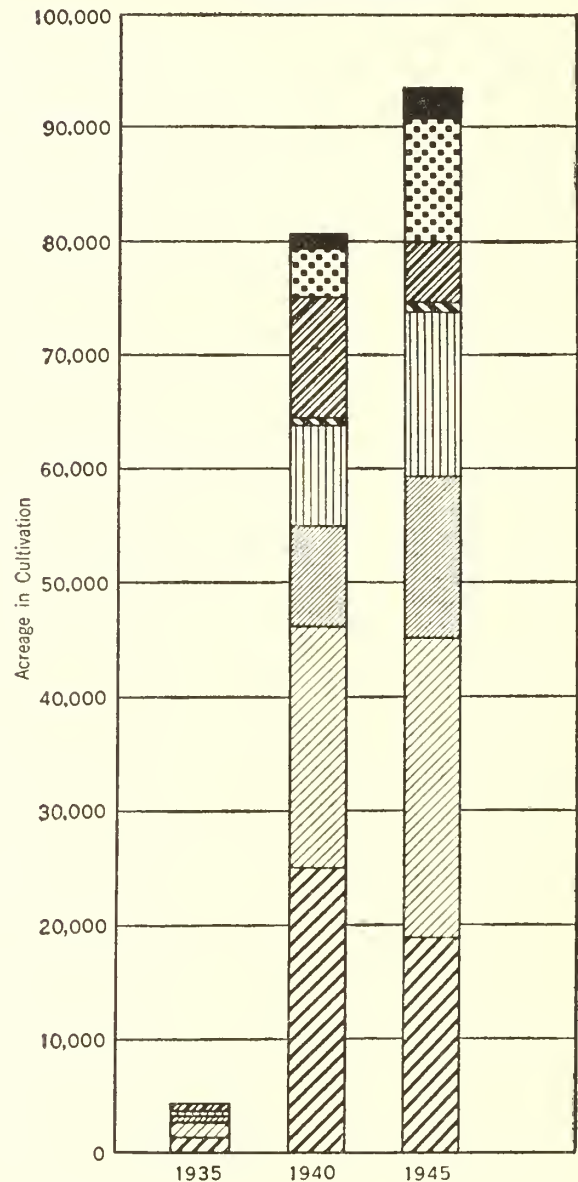
¹ Payments scheduled to complete repayment in the 39-year term under present contracts. It is expected, however, that new contracts may be entered into providing for a different schedule of payments reflecting the water users ability to pay.

Contractors: Advancement Irrigation District, Bench Irrigation District, Crystal Irrigation District, Owyhee Irrigation District, Ontario-Nyssa Irrigation District, Payette-Oregon Slope Irrigation District, Gem Irrigation District, and Slide Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1935-----	4, 374	\$85, 268	\$19. 49
1936-----	7, 951	253, 264	31. 85
1937-----	26, 377	824, 239	31. 25
1938-----	64, 560	1, 767, 297	27. 37
1939-----	73, 345	1, 856, 611	25. 31
1940-----	80, 769	1, 886, 518	23. 36
1941-----	84, 112	3, 485, 916	41. 44
1942-----	88, 208	5, 273, 764	59. 79
1943-----	89, 919	7, 927, 185	88. 16
1944-----	92, 096	8, 502, 602	92. 32
1945-----	93, 397	9, 457, 342	101. 26

¹ Includes Government benefit payments.

OWYHEE PROJECT, OREGON - IDAHO
CROP HISTORY



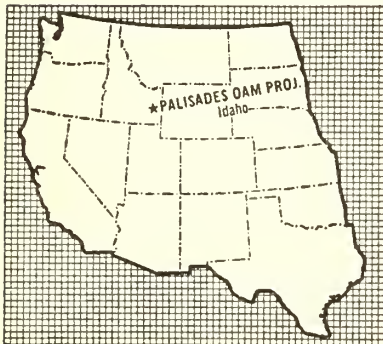
- Grains
 - Alfalfa
 - Other Hay, Forage & Pasture
 - Vegetables, Truck and Others
 - Seed Crops
 - Fruits and Nuts
 - Sugar Beets
 - Soil Improvement
- Water Service Commenced in 1935

Palisades Dam Project

Idaho . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Reconstruction work is in progress on the Palisades Dam project authorized under the act of August 4, 1939 (53 Stat. 1187). The construction of the dam is dependent on the successful

negotiation of water-saving agreements with the canal companies now diverting water during the nonirrigation season in the general vicinity of Twin Falls, Idaho. Execution of repayment contracts for irrigation storage is expected to proceed simultaneously with the negotiations of the water-saving agreements, following which the construction of the dam will be undertaken.

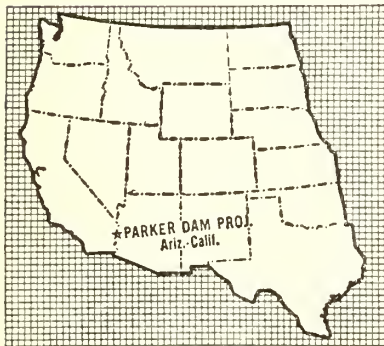
Plans for the project also include power development at the dam.

Parker Dam Project

Arizona-California . . .

. . . Region III

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Parker Dam on the Colorado River has been constructed by the Bureau of Reclamation partially with funds advanced by the Metropolitan Water District of Southern California, under contracts dated 1933 and 1936. Water from the reservoir is pumped into the Colorado River aqueduct of the Metropolitan District. A supplementary contract dated 1939, provides for allocation of costs between the Metropolitan Water District and the United States for the power plant and equipment. The United States reserves the use of Units Nos. 3 and 4, exclusively, for such period as needed, and retains ownership of the dam and appurtenant works.

A contract dated 1942 provides that the United States will pay the full costs of operation and maintenance (including replacements) of the dam and power plant. The United States will also pay rental charges on Units Nos. 3 and 4 (estimated until the end of fiscal year 1964) such sums to be applied to amortization with interest at 4 percent of the cost of these units.

The total cost of the dam and power plant to June 30, 1946, was \$16,252,100. The Metropolitan District advanced \$6,938,978 for construction of the dam. The balance of the cost of the project will be repaid by power revenues.

The project is completed to the extent that it is producing and delivering power as originally planned. Certain safety and protective features are still required, calling for minor expenditures.

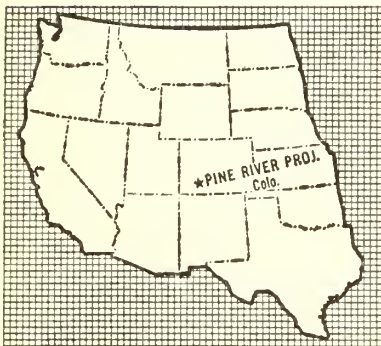
The power plants at Parker, Davis, and Boulder Dams, and the Yuma project, will be interconnected.

Pine River Project

Colorado . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The project works are limited to Vallecito Dam and Reservoir constructed in 1940-41 to furnish supplemental water to lands in the Pine River Irrigation District and to Indian lands in the

same area. Repayments by the District commenced in 1944. The total obligation of \$1,844,460, including the share to be paid by the Office of Indian Affairs, may be subject to adjustments to reflect cost allocations, future work, and contractor's claims.

A total of \$69,168 had become due as of June 30, 1946, and \$56,250 has been paid by the Pine River District, leaving an unpaid balance of \$12,918. The unpaid balance represents proportionate charges that the irrigation district recommends be allocated to other project beneficiaries.

An appropriation for the Office of Indian Affairs will be required for its share of the construction payment when the final cost chargeable to that office has been determined.

Vallecito Reservoir is operated by the United States with funds advanced by the water users. A total of \$14,700 has been collected from the water users for this purpose.

The distribution system is privately owned and operated.

Determination of repayment obligation as of June 30, 1946:

Cost	\$3, 343, 747
Less construction revenues	2, 320
Net	3, 341, 427
Nonreimbursable appropriation by act of June 18, 1940	400, 000
Total	2, 941, 427
Nonreimbursable appropriation by act of Oct. 9, 1940	400, 000
Total	2, 541, 427
Future work	140, 000
Total	2, 681, 427
Costs allocated to flood protec- tion	836, 967
Total	¹ 1, 844, 460

¹ Final amount to be repaid subject to negotiation with water users. Contractor's claim totaling \$200,000 in excess of cost shown to be settled.

Construction Repayments

Fiscal year	Total obligation of water users to repay ¹	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1941	\$2,300,000								1944. Construction repayments started in 1944 in accordance with contract provisions.
1942	2,300,000								
1943	2,300,000								
1944	² 1,844,460	\$23,056		\$23,056	\$18,750		\$18,750		
1945	³ 1,844,460	23,056		23,056	18,750		18,750		
1946	1,844,460	23,056		23,056	18,750		18,750		
Total Collected		69,168		69,168	56,250		56,250		
Uncollected				12,918					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1941			1940, Apr. 15. Contract with Pine River Irrigation District for construction of Vallecito Reservoir. District is to pay five-sixths of reimbursable construction cost in 38 graduated annual installments.
1942			
1943	\$5,000	\$850	
1944	2,500	6,650	
1945	3,000	3,000	
1946	4,200	4,200	
Total	14,700	14,700	1940, Jan. 3. Agreement with Office of Indian Affairs to pay one-sixth of reimbursable construction cost of Vallecito Reservoir. Office of Indian Affairs will obtain an appropriation and transfer funds when cost has been determined.

¹ Includes obligation of \$307,410 to be paid by the Office of Indian Affairs.

² Obligation reduced to actual cost.

³ Final amount to be repaid subject to negotiation with water users. Contractor's claim totalling \$200,000 in excess of cost shown to be settled.

This project is on a 38-year repayment basis.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors	
	Pine River Irrigation District	Office of Indian Affairs
Contract obligation (total \$1,844,460)	\$1,537,050	² \$307,410
Due to June 30—		
1946	69,168	
1947	23,056	
1948	23,056	
1949	23,056	
1950	23,056	
1951	23,056	
1952	23,056	
1953	23,056	
1954	38,426	
1955	38,426	
1956	38,426	
1957	38,426	
1958	38,426	
1959	38,426	
1960	38,426	
1961	38,426	
1962	38,426	
1963	38,426	
1964	51,235	
1965	51,235	
1966	51,235	
1967	51,235	
1968	51,235	
1969	51,235	
1970	51,235	

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors	
	Pine River Irrigation District	Office of Indian Affairs
Due to June 30—		
1971	\$51,235	
1972	51,235	
1973	51,235	
1974	51,235	
1975	51,235	
1976	51,235	
1977	51,235	
1978	51,235	
1979	51,235	
1980	51,235	
1981	51,235	

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

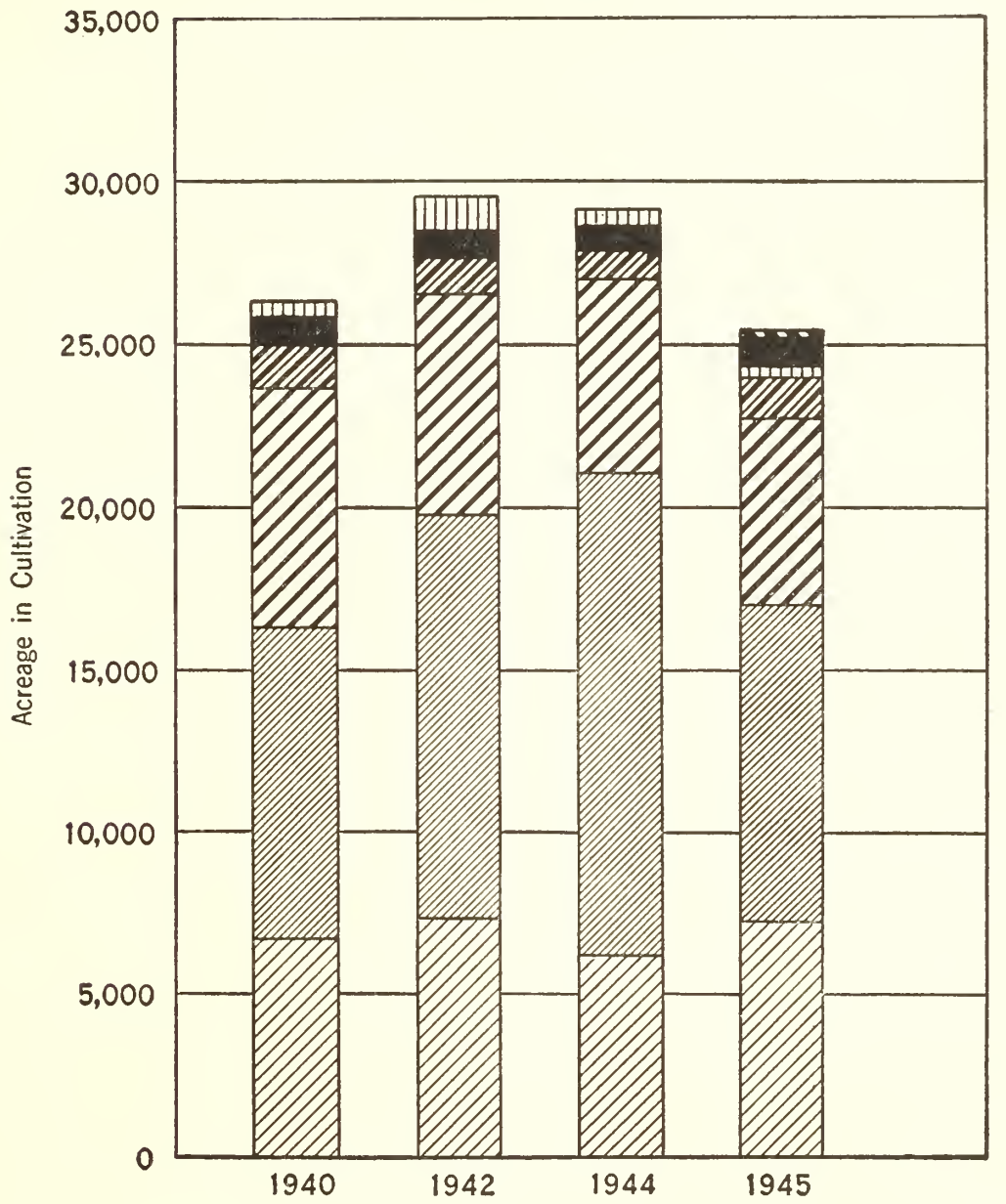
² Obligation of Office of Indian Affairs to be paid by appropriations after reimbursable cost is finally determined.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1940	26,306	\$259,243	\$9.85
1941	29,835	395,621	13.26
1942	29,266	378,927	12.95
1943	26,708	566,831	21.22
1944	29,082	573,758	19.73
1945	25,452	626,840	24.63

¹ Includes Government benefit payments.

See footnotes at end of table.

PINE RIVER PROJECT, COLORADO CROP HISTORY



- | | |
|---|---|
| <ul style="list-style-type: none"> Alfalfa Other Hay, Forage & Pasture Grains | <ul style="list-style-type: none"> Seed Crops Vegetables, Truck and Others Soil Improvement Fruits and Nuts |
|---|---|

Water Service Commenced in 1940

Provo River Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

A repayment contract was entered into on June 27, 1936, with the Provo River Water Users' Association to pay \$7,600,000 for the construction of the Deer Creek Division.

A supplemental re-

payment contract which raises the maximum repayment obligation of the water users to \$11,400,000 is being executed.

A repayment contract was entered into on November 16, 1939, with the Metropolitan Water District of Salt Lake City to pay \$5,550,000 for the construction of the Aqueduct Division. A supplemental repayment contract which raises the maximum repayment obligation of the district to \$8,043,650 has been approved for execution.

These supplemental contracts for the larger sums were made necessary by increased costs of construction due to changes in the general price level.

Construction of the Deer Creek Division will furnish a supplemental water supply for lands coming under the association, while the Aqueduct Division will provide conveyance of water for both irrigation and municipal purposes. Repayments will be made in forty annual installments.

Construction work is still in progress and repayment has not begun. Water rental collections have amounted to \$38,665 as of June 30, 1946.

No work has been done on the Utah Lake Division.

Repayment of Construction Investment

PAY-OUT SCHEDULE¹

	Fiscal year	Amounts due from contractors	
		Provo River Water Users Association	Metropolitan Water District of Salt Lake City
Contract obligation (total \$13,150,000) -----		\$7, 600, 000	\$5, 550, 000
	1951	190, 000	138, 750
	1952	190, 000	138, 750
	1953	190, 000	138, 750
	1954	190, 000	138, 750
	1955	190, 000	138, 750

See footnote at end of table.

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE¹

Fiscal year	Amounts due from contractors	
	Provo River Water Users Association	Metropolitan Water District of Salt Lake City
1956	\$190,000	\$138,750
1957	190,000	138,750
1958	190,000	138,750
1959	190,000	138,750
1960	190,000	138,750
1961	190,000	138,750
1962	190,000	138,750
1963	190,000	138,750
1964	190,000	138,750
1965	190,000	138,750
1966	190,000	138,750
1967	190,000	138,750
1968	190,000	138,750
1969	190,000	138,750
1970	190,000	138,750
1971	190,000	138,750
1972	190,000	138,750
1973	190,000	138,750
1974	190,000	138,750
1975	190,000	138,750
1976	190,000	138,750
1977	190,000	138,750
1978	190,000	138,750
1979	190,000	138,750
1980	190,000	138,750
1981	190,000	138,750
1982	190,000	138,750
1983	190,000	138,750
1984	190,000	138,750
1985	190,000	138,750
1986	190,000	138,750
1987	190,000	138,750
1988	190,000	138,750
1989	190,000	138,750
1990	190,000	138,750

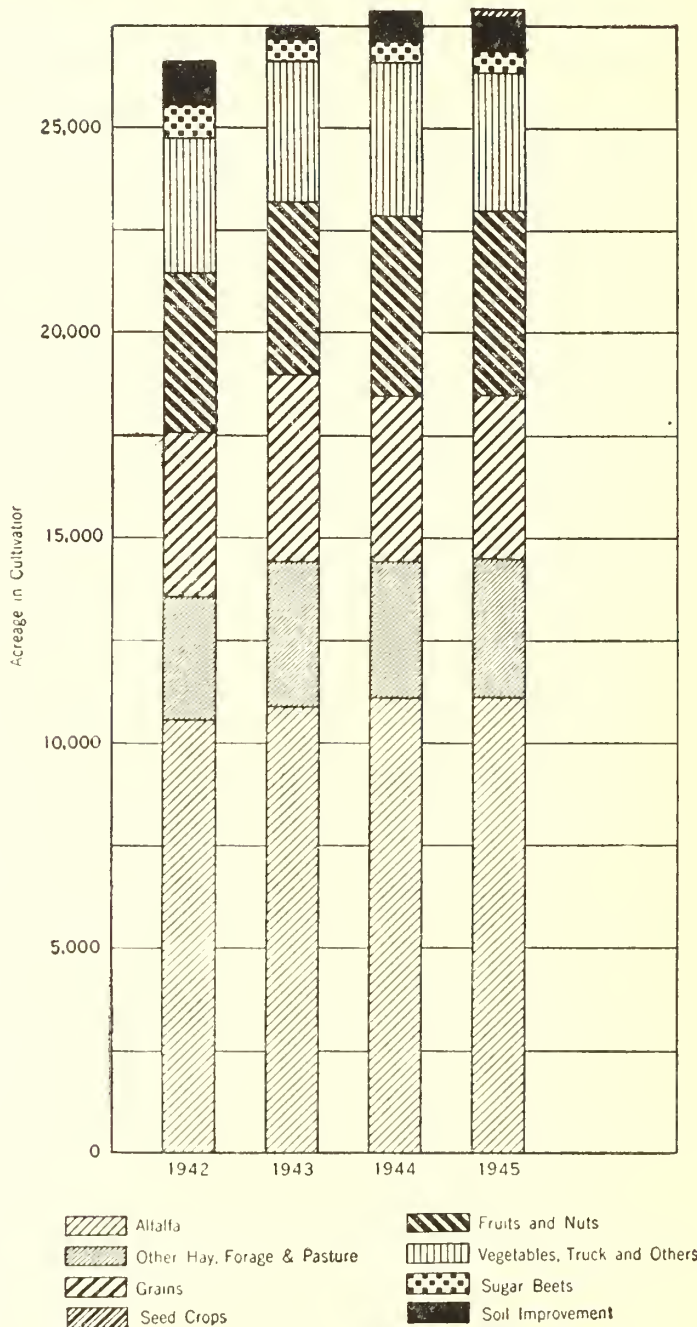
¹ Scheduled on an assumed date for commencement of repayment.

Supplemental contracts in process of negotiation will increase the obligations of these contractors.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1942	26,656	\$1,584,606	\$59.45
1943	27,482	3,973,943	144.60
1944	27,899	4,136,911	148.28
1945	27,899	4,276,065	153.27

¹ Includes Government benefit payments.

PROVO RIVER PROJECT, UTAH
CROP HISTORY



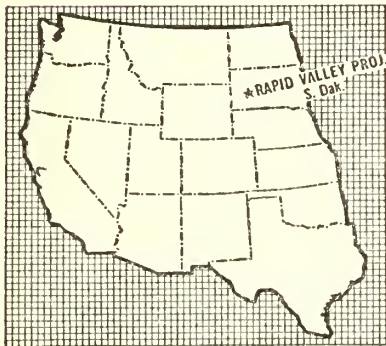
Water Service Commenced in 1942

Rapid Valley Project

South Dakota . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Rapid Valley Water Conservancy District and Rapid City, S. Dak., have contracted with the United States for repayment of \$600,000 and \$500,000, respectively, toward the construction

cost of irrigation and water supply works for the Rapid Valley project. The city will receive a domestic supply of water.

The contract with the district provides for a 5-year development period and construction charges will commence in the year following termination of the development period.

Initial water service on this project was provided in 1946, for municipal use, but not for irrigation.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors	
		Rapid Valley Water Conservancy District	Rapid City, S. Dak.
Contract obligation (total \$1,100,000) -----		\$600,000	\$500,000
	1948		12,500
	1949		12,500
	1950		12,500
	1951		12,500
	1952	15,000	12,500
	1953	15,000	12,500
	1954	15,000	12,500
	1955	15,000	12,500
	1956	15,000	12,500
	1957	15,000	12,500
	1958	15,000	12,500
	1959	15,000	12,500
	1960	15,000	12,500
	1961	15,000	12,500
	1962	15,000	12,500
	1963	15,000	12,500
	1964	15,000	12,500
	1965	15,000	12,500
	1966	15,000	12,500
	1967	15,000	12,500
	1968	15,000	12,500

See footnote at end of table.

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors	
		Rapid Valley Water Conservancy District	Rapid City, S. Dak.
	1969	\$15,000	\$12,500
	1970	15,000	12,500
	1971	15,000	12,500
	1972	15,000	12,500
	1973	15,000	12,500
	1974	15,000	12,500
	1975	15,000	12,500
	1976	15,000	12,500
	1977	15,000	12,500
	1978	15,000	12,500
	1979	15,000	12,500
	1980	15,000	12,500

See footnote at end of table.

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors	
		Rapid Valley Water Conservancy District	Rapid City, S. Dak.
	1981	\$15,000	\$12,500
	1982	15,000	12,500
	1983	15,000	12,500
	1984	15,000	12,500
	1985	15,000	12,500
	1986	15,000	12,500
	1987	15,000	12,500
	1988	15,000	-----
	1989	15,000	-----
	1990	15,000	-----
	1991	15,000	-----

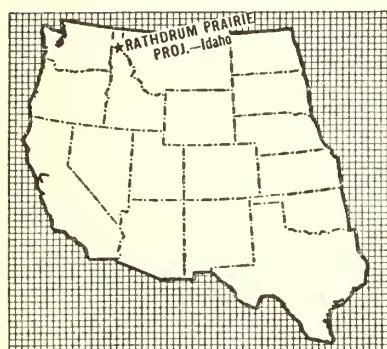
¹ Scheduled on an assumed date for commencement of repayment.

Rathdrum-Prairie Project

Idaho . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

In a contract dated January 11, 1945, the Post Falls Irrigation District has agreed to repay to the United States a total of \$190,000, or \$55 per irrigable acre, which is the reimbursable portion

of the cost of construction of irrigation features to provide for a more stabilized water supply for the Post Falls Unit of the Rathdrum-Prairie project. This project was undertaken pursuant to the Water Conservation and Utilization Act.

On November 30, 1945, the Post Falls Irrigation District was notified that water would be available from the project works for delivery to district lands for the 1946 irrigation season. The notice also established the development period of 3 years, 1946-1948, and announced the charge to be \$6,912.95 for the first year, in accordance with contract provisions. The second development period charge, for the irrigation season of 1947, was later announced as \$10,864.

Construction charge installments will commence December 31, 1949.

The project works are being operated by the United States.

Repayment of Construction Investment PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$190,000
	1950	4,750
	1951	4,750
	1952	4,750
	1953	4,750
	1954	4,750
	1955	4,750
	1956	4,750
	1957	4,750
	1958	4,750
	1959	4,750
	1960	4,750
	1961	4,750
	1962	4,750
	1963	4,750
	1964	4,750
	1965	4,750
	1966	4,750
	1967	4,750
	1968	4,750
	1969	4,750
	1970	4,750
	1971	4,750
	1972	4,750
	1973	4,750
	1974	4,750
	1975	4,750
	1976	4,750
	1977	4,750
	1978	4,750
	1979	4,750
	1980	4,750
	1981	4,750
	1982	4,750
	1983	4,750
	1984	4,750
	1985	4,750
	1986	4,750
	1987	4,750
	1988	4,750
	1989	4,750

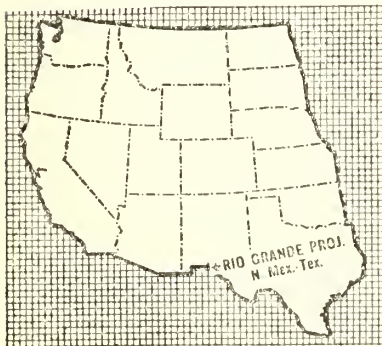
Contractor: Post Falls Irrigation District.

Rio Grande Project

New Mexico-Texas . . .

. . . Region V

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The project comprises the El Paso County Water Improvement District No. 1 in Texas and the Elephant Butte Irrigation District in New Mexico.

The El Paso County Water Improvement District No. 1 has a total obligation to the United States of \$4,457,071, of which \$2,331,517, or 52 percent, had become due as of June 30, 1946, and had been paid.

The Elephant Butte Irrigation District has assumed an obligation of \$5,698,012, of which a total of \$3,025,383, or 53 percent, had become due and had been collected on June 30, 1946.

Net power revenues are applied to the repayment of the portion of construction costs which have been allocated to power features of the project.

The Rio Grande project is operated by the Bureau of Reclamation with funds advanced by the two districts. A total of \$8,079,154 has been

collected from the water users for operation and maintenance by the United States. Water rental collections have amounted to \$2,377,439.

*El Paso County Water Improvement District No. 1
 (El Paso Division)*

Determination of repayment obligation of water users as of June 30,

1946:

Cost	\$5, 220, 459
Operation and maintenance funded	158, 722
Penalties funded	16, 933
	5, 396, 114
Total	5, 396, 114
Less construction revenues and contributed funds	540, 488
	4, 855, 626
Total	4, 855, 626
Less charge-off, act of May 26, 1926	352, 568
	4, 503, 058
Net	4, 503, 058
Adjustment to be made	45, 987
	4, 457, 071
Total	4, 457, 071

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1921	\$3, 150, 000								
1922	3, 150, 000								
1923	3, 150, 000	\$31, 500		\$31, 500	\$31, 500		\$31, 500	\$31, 500	
1924	3, 150, 000	108, 515		108, 515	108, 515		108, 515	140, 015	
1925	6, 030, 000	89, 330		89, 330	89, 330		89, 330	229, 345	
1926	6, 030, 000	101, 886		101, 886	101, 826		101, 826	331, 171	
1927	6, 030, 000	164, 700		164, 700	134, 247		134, 247	465, 418	
1928	6, 030, 000	180, 360		180, 360	25, 000	\$30, 453	55, 453	520, 871	
1929	6, 030, 000	193, 500		193, 500	25, 000	155, 420	180, 420	701, 291	
1930	6, 030, 000	212, 400		212, 400	142, 825	167, 185	310, 010	1, 011, 301	
1931	6, 030, 000	211, 860		211, 860	172, 785	70, 890	243, 675	1, 254, 976	
1932	6, 066, 000	36, 000		36, 000	36, 000	39, 075	75, 075	1, 330, 051	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$221,251; 1932, \$219,403; 1933, \$218,520; 1934, \$221,580; 1935, \$228,780; 1936, \$115,425.
1933	6, 039, 311			0				01, 330, 051	
1934	5, 745, 319			0				01, 330, 051	
1935	5, 745, 319			0				01, 330, 051	
1936	5, 737, 319			0				01, 330, 051	
1937	5, 727, 319	115, 425		115, 425	113, 883		113, 883	1, 443, 934	
1938	4, 457, 071	60, 177		60, 177	60, 177	1, 542	61, 719	1, 505, 653	
1939	4, 457, 071	123, 077		123, 077	123, 077		123, 077	1, 628, 730	
1940	4, 457, 071	109, 609		109, 609	109, 609		109, 609	1, 738, 339	
1941	4, 457, 071	98, 863		98, 863	98, 863		98, 863	1, 837, 202	
1942	4, 457, 071	98, 863		98, 863	98, 863		98, 863	1, 936, 065	
1943	4, 457, 071	98, 863		98, 863	98, 863		98, 863	2, 034, 928	
1944	4, 457, 071	98, 863		98, 863	98, 863		98, 863	2, 133, 791	
1945	4, 457, 071	98, 863		98, 863	98, 863		98, 863	2, 232, 654	
1946	4, 457, 071	98, 863		98, 863	98, 863		98, 863	2, 331, 517	
Total		2, 331, 517		2, 331, 517	1, 866, 952	464, 565	2, 331, 517		
Collected				2, 331, 517					
Uncollected				0					

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1921			
1922	\$87, 724	\$87, 724	1917, Dec. 29. Contract with El Paso County Water Improvement District No. 1 for repayment of construction cost of irrigation system for lands in Texas. Repayment in 20 years from time water made available.
1923	92, 968	92, 968	
1924	98, 428	91, 297	1928, July 16. Contract with El Paso County Water Improvement District No. 1. Fixes annual installments at \$3.60 per acre.
1925	96, 997	104, 128	
1926	142, 412	100, 000	1937, Nov. 10. Contract with El Paso County Water Improvement District No. 1. Relieves district from payment for Elephant Butte Reservoir. Remaining unpaid debt to be paid in 50 equal semiannual installments beginning with the year 1938.
1927	155, 300	150, 326	
1928	164, 628	174, 014	1939, Oct. 1. Contract with El Paso County Water Improvement District No. 1. Unaccrued charges after 1938 spread over 40 years from date first installment became due under original contract, ending Sept. 1, 1967.
1929	164, 918	180, 000	
1930	159, 092	141, 023	
1931	162, 200	188, 374	
1932	181, 133	142, 201	
1933	141, 597	157, 342	
1934	121, 785	142, 769	
1935	137, 699	136, 866	
1936	143, 351	116, 000	
1937	144, 412	135, 200	
1938	112, 349	166, 761	
1939	167, 980	167, 980	
1940	135, 625	135, 625	
1941	160, 000	160, 000	
1942	162, 954	162, 954	
1943	166, 000	166, 000	
1944	222, 978	222, 616	
1945	197, 252	197, 614	
1946	240, 000	240, 000	
Total	3, 759, 782	3, 759, 782	

¹ Decrease in obligation due to provisions of 1937 contract.

*Elephant Butte Irrigation District
(New Mexico Division)*

Determination of repayment obligation of water users as of June 30, 1946:

Cost.....	\$6,180,511
Operation and maintenance funded.....	167,316
Penalties funded.....	21,560
Total.....	6,369,387

Less construction revenues and contributed funds.....	\$651,129
Total.....	5,718,258
Less charge-off, act of May 26, 1926.....	5,273
Net.....	5,712,985
Adjustment to be made.....	14,973
Total.....	5,798,012

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1921	\$4,500,000								
1922	4,500,000								
1923	4,500,000	\$45,000		\$45,000	\$44,991		\$44,991	\$44,991	
1924	4,500,000	90,000		90,000	90,000	\$9	90,009	135,000	
1925	7,470,000	108,000		108,000	108,000		108,000	243,000	
1926	7,470,000	131,100		131,100	131,100		131,100	374,100	
1927	7,470,000	190,070		190,070	190,070		190,070	564,170	
1928	7,470,000	253,440		253,440	253,440		253,440	817,610	
1929	7,470,000	269,415		269,415	269,415		269,415	1,087,025	
1930	7,920,000	280,125		280,125	280,125		280,125	1,367,150	
1931	7,920,000	291,600		291,600	291,600		291,600	1,658,750	
1932	7,920,000	145,032		145,032	103,724		103,724	1,762,474	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1930, \$43,478; 1931, \$313,382; 1932, \$298,954; 1933, \$289,620; 1934, \$288,900; 1935, \$306,000; 1936, \$154,800.
1933	7,920,000	73,447	¹ \$41,308	32,139				0	
1934	7,941,560		73,447	¹ 73,447				0	
1935	7,965,682			0				0	
1936	7,941,560			0				0	
1937	7,941,560			0				0	
1938	² 5,698,012	230,475		230,475	230,475		230,475	1,992,949	
1939	5,698,012	151,351		151,351	151,351		151,351	2,144,300	
1940	5,698,012	135,152		135,152	135,152		135,152	2,279,452	
1941	5,698,012	124,322		124,322	124,322		124,322	2,403,774	
1942	5,698,012	124,322		124,322	124,322		124,322	2,528,096	
1943	5,698,012	124,322		124,322	124,322		124,322	2,652,418	
1944	5,698,012	124,321		124,321	124,321		124,321	2,776,739	
1945	5,698,012	124,322		124,322	124,322		124,322	2,901,061	
1946	5,698,012	124,322		124,322	124,322		124,322	3,025,383	
Total.....		3,140,138	¹ 114,755	3,025,383	3,025,374	9	3,025,383		
Collected.....				3,025,383					
Uncollected.....				0					

¹ Decrease. Decreases cover amounts deferred under moratorium acts.
² Decrease in obligation due to provisions of 1937 contract.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1921			1918, June 15. Contract with Elephant Butte Irrigation District for repayment of construction cost of irrigation system for lands in New Mexico. Repayment in 20 years from time water made available. 1928, July 16. Contract with Elephant Butte Irrigation District. Fixes annual installment at \$3.60 per acre. 1937, Nov. 9. Contract with Elephant Butte Irrigation District. Relieves district from payment for Elephant Butte Reservoir. Remaining unpaid debt to be paid in 50 equal semiannual installments beginning with the year 1938. 1939, Oct. 1. Contract with Elephant Butte Irrigation District. Unaccrued charges after 1938 spread over 40 years from date first installment became due under original contract, ending Sept. 1, 1967.
1922	\$145, 000	\$128, 881	
1923	63, 386	79, 505	
1924	109, 806	109, 806	
1925	114, 837	114, 837	
1926	139, 702	139, 702	
1927	161, 915	161, 915	
1928	181, 028	181, 028	
1929	189, 709	189, 709	
1930	220, 903	186, 960	
1931	225, 801	207, 932	
1932	190, 470	109, 644	
1933	107, 487	184, 825	
1934	125, 833	164, 068	
1935	126, 283	143, 348	
1936	144, 089	144, 089	
1937	157, 685	157, 685	
1938	195, 944	195, 944	
1939	181, 000	181, 000	
1940	184, 997	184, 997	
1941	182, 035	182, 035	
1942	190, 536	190, 536	
1943	195, 500	195, 500	
1944	248, 470	248, 470	
1945	241, 956	241, 956	
1946	295, 000	295, 000	
Total	4, 319, 372	4, 319, 372	

Repayment of Construction Investment

PAY-OUT SCHEDULE

Fiscal year	Amounts due from contractors	
	El Paso County Water Improvement District No. 1	Elephant Butte Irrigation District
Contract obligation (total \$10,155,083)	\$4, 457, 071	\$5, 698, 012
Due to June 30—		
1946	2, 331, 517	3, 025, 383
1947	98, 863	124, 322
1948	98, 863	124, 322
1949	98, 863	124, 322
1950	98, 863	124, 322
1951	98, 863	124, 322
1952	98, 863	124, 322
1953	98, 863	124, 322
1954	98, 863	124, 322
1955	98, 863	124, 322

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

Fiscal year	Amounts due from contractors	
	El Paso County Water Improvement District No. 1	Elephant Butte Irrigation District
Due to June 30—		
1956	\$98, 863	\$124, 322
1957	98, 863	124, 322
1958	98, 863	124, 322
1959	98, 863	124, 322
1960	98, 863	124, 322
1961	98, 863	124, 322
1962	98, 863	124, 322
1963	98, 863	124, 322
1964	98, 863	124, 322
1965	98, 863	124, 322
1966	98, 863	124, 322
1967	98, 863	124, 322
1968	49, 431	61, 867

Power and Irrigation Summary—Status of Repayment Account
BOTH DIVISIONS

Fiscal year	Repayable			Payout schedule			Balance repayable
	Total	Irrigation contracts	Costs allocated to power	Total	Irrigation	Power	
1921	\$7,650,000	\$7,650,000					\$7,650,000
1922	7,650,000	7,650,000					7,650,000
1923	7,650,000	7,650,000		\$76,491	\$76,491		7,573,509
1924	7,650,000	7,650,000		198,524	198,524		7,374,985
1925	13,500,000	13,500,000		197,330	197,330		13,027,655
1926	13,500,000	13,500,000		232,926	232,926		12,794,729
1927	13,500,000	13,500,000		324,317	324,317		12,470,412
1928	13,500,000	13,500,000		308,893	308,893		12,161,519
1929	13,500,000	13,500,000		449,835	449,835		11,711,784
1930	13,950,000	13,950,000		590,135	590,135		11,571,549
1931	13,950,000	13,950,000		535,275	535,275		11,036,274
1932	13,986,000	13,986,000		178,799	178,799		10,893,475
1933	13,959,311	13,959,311		0	0		10,866,786
1934	13,686,879	13,686,879		0	0		10,594,354
1935	13,711,001	13,711,001		0	0		10,618,476
1936	13,719,575	13,678,879	\$40,696	0	0		10,627,050
1937	14,328,788	13,668,879	659,909	113,883	113,883		11,122,380
1938	14,714,434	10,155,083	4,559,351	281,234	281,234		11,226,792
1939	15,318,847	10,155,083	5,163,764	285,388	285,388		11,545,817
1940	16,358,120	10,155,083	6,203,037	244,761	244,761		12,340,329
1941	16,963,575	10,155,083	6,808,492	286,020	223,185	\$62,835	12,659,764
1942	17,430,512	10,155,083	7,275,429	490,522	223,185	267,337	12,636,179
1943	17,483,457	10,155,083	7,328,374	562,733	223,185	339,548	12,126,391
1944	17,598,446	10,155,083	7,443,363	527,722	223,184	304,538	11,713,658
1945	17,613,488	10,155,083	7,458,405	496,652	223,185	273,467	11,232,048
1946	17,951,709	10,155,083	7,796,626	532,681	223,185	309,496	11,037,588
1947	18,201,983	10,155,083	8,046,900	573,385	223,185	350,200	10,714,477
1948	18,506,073	10,155,083	8,350,990	561,185	223,185	338,000	10,457,382
1949	19,421,827	10,155,083	9,266,746	553,185	223,185	330,000	10,819,953
1950	19,936,006	10,155,083	9,780,923	543,185	223,185	320,000	10,790,945
1951	19,936,006	10,155,083	9,780,923	535,685	223,185	312,500	10,255,260
1952	19,936,006	19,155,083	9,780,923	535,685	223,185	312,500	9,719,575
1953	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	9,203,390
1954	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	8,687,205
1955	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	8,171,020
1956	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	7,654,835
1957	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	7,138,650
1958	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	6,622,465
1959	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	6,106,280
1960	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	5,590,095
1961	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	5,073,910
1962	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	4,557,725
1963	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	4,041,540
1964	19,936,006	10,155,083	9,780,923	516,185	224,185	293,000	3,525,355
1965	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	3,009,170
1966	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	2,492,985
1967	19,936,006	10,155,083	9,780,923	516,185	223,185	293,000	1,976,800
1968	19,936,006	10,155,083	9,780,923	404,298	111,298	293,000	1,572,502
1969	19,936,006	10,155,083	9,780,923	293,000		293,000	1,279,502
1970	19,978,806	10,155,083	9,823,723	293,000		293,000	1,029,302
1971	19,978,806	10,155,083	9,823,723	291,400		291,400	737,902
1972	19,978,806	10,155,083	9,823,723	291,400		291,400	446,502
1973	20,026,806	10,155,083	9,871,723	291,400		291,400	203,102
1974	20,026,806	10,155,083	9,871,723	290,400		290,400	187,298
1975	20,690,857	10,155,083	10,535,774	290,400		290,400	286,353
1976	20,690,857	10,155,083	10,535,774	286,353		286,353	0
Total				20,690,857	10,155,083	10,535,774	

¹ Loss.

In this schedule, all net power revenues paid into the Reclamation Fund are treated as being available to repay the project construction investment not repayable by the water users. In the schedule, separately published, based on amortization of all investment allocated to power with 3 percent interest in 50 years and application of a part of the interest component to repayment of irrigation costs, repayment of the power allocation will not be completed until 1983.

ENTIRE PROJECT

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1910	22,600	\$841,190	\$37.22
1911	25,980	721,550	27.77
1912	23,115	710,674	30.75
1913	26,720	679,271	25.42
1914	27,302	1,160,720	42.51
1915	32,246	1,103,388	34.22
1916	61,818	2,893,740	46.81
1917	63,626	3,598,424	56.56
1918	64,002	4,237,020	66.20
1919	72,170	3,825,107	53.00
1920	77,880	4,639,200	59.57
1921	77,660	2,493,710	32.11
1922	84,410	4,479,670	53.07
1923	86,990	7,563,230	86.94
1924	103,120	9,624,570	93.33
1925	121,799	10,676,614	87.66
1926	128,860	7,760,900	60.23
1927	133,730	10,599,940	79.26
1928	139,600	12,733,650	91.22
1929	139,775	10,664,670	76.30

EL PASO COUNTY WATER IMPROVEMENT DISTRICT
NO. 1

1930	62,100	\$3,766,754	\$60.66
1931	59,742	1,899,479	31.79
1932	56,913	1,552,644	27.28
1933	58,514	2,904,084	49.63
1934	55,030	4,553,565	82.75
1935	53,241	3,518,896	66.09
1936	57,364	4,368,455	76.15
1937	63,625	4,758,503	74.79

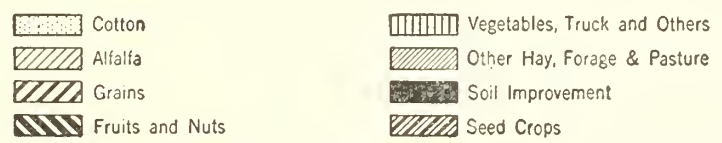
¹Includes Government benefit payments.EL PASO COUNTY WATER IMPROVEMENT DISTRICT
NO. 1—Continued

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1938	62,581	\$3,434,417	\$54.88
1939	60,931	4,398,854	72.19
1940	61,559	4,522,691	73.47
1941	62,700	6,915,936	110.30
1942	63,441	8,160,496	128.63
1943	63,285	10,226,769	161.60
1944	63,222	9,021,345	142.69
1945	63,125	10,142,062	160.67

ELEPHANT BUTTE IRRIGATION DISTRICT

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1930	77,607	\$4,417,911	\$56.93
1931	77,636	2,384,279	30.71
1932	77,618	1,986,682	25.60
1933	77,995	3,244,001	41.59
1934	68,792	5,400,707	78.51
1935	61,417	4,213,011	68.60
1936	74,281	5,297,220	71.31
1937	78,874	5,420,450	68.72
1938	75,861	4,226,864	55.72
1939	77,147	5,142,951	66.66
1940	78,420	5,732,052	73.09
1941	81,420	9,693,706	119.06
1942	83,487	9,021,592	108.06
1943	84,318	11,655,600	138.23
1944	85,178	12,348,491	144.97
1945	85,256	11,692,644	137.15

¹Includes Government benefit payments.



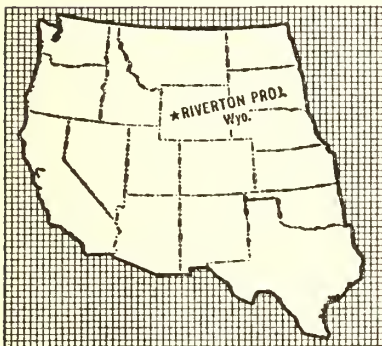
Water Service Commenced in 1908

Riverton Project

Wyoming . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Pavilion and Pilot Divisions of the project, included in the Midvale Irrigation District, are obligated to repay \$5,101,965 as of June 30, 1946. Additional construction costs will be allocated to new

lands to be developed in the North Division.

The first two annual installments of construction charges, in the total amount of \$74,564, have become due and all but \$113 had been paid on June 30, 1946. The balance has since been paid.

The amount of the Midvale District's obligation changes slightly each year to reflect credits from savings or funding of losses in the annual operation and maintenance of the project.

The power system of the Riverton project is set up on an independent accounting basis. The

estimated cost is \$650,192 and to June 30, 1946, a total of \$94,661 had been repaid through net power revenues.

The project is operated by the United States. To June 30, 1946, a total of \$573,596 had been collected in water-rental charges.

Construction of irrigation structures to reach additional lands is in progress.

Determination of repayment obligation as of June 30, 1946:

Cost	\$5, 793, 592
Operation and maintenance funded	120, 149
	<hr/>
Total	5, 913, 741
Less construction revenues	30, 744
	<hr/>
Net	5, 882, 997
To be covered by future contract	781, 032
	<hr/>
Total	5, 101, 965

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1931	\$5,037,971								Changes in obligation are due to funding of annual water rental deficits and surpluses.
1932	5,058,389								
1933	5,075,373								
1934	5,089,766								
1935	5,101,809								
1936	5,116,724								
1937	5,122,915								
1938	5,129,053								
1939	5,125,017								
1940	5,132,624								
1941	5,119,803								
1942	5,127,670								
1943	5,123,272								
1944	5,132,129								
1945	5,120,149	\$37,590		\$37,590	\$26,260		\$26,260		
1946	5,101,965	36,974		36,974	36,974	\$11,217	48,191	\$26,260 74,451	
Total		74,564		74,564	63,234	11,217	74,451		
Collected				74,451					
Uncollected				113					

Fiscal year	Operation and maintenance (water rentals)		Contracts
	Accruals	Collections	
1931	\$2,407	\$2,209	1931, Feb. 12. Contract with Midvale Irrigation District for repayment of construction cost of Pavilion and Pilot Division of project in 40 graduated annual installments. 1943, Dec. 13. Contract with Midvale Irrigation District. Contract provides for beginning construction charge payments on Dec. 31, 1944. Project to be continued on a water-rental basis.
1932	2,870	2,916	
1933	4,792	4,821	
1934	7,660	7,629	
1935	16,843	16,884	
1936	23,866	23,771	
1937	30,548	30,118	
1938	35,597	35,595	
1939	44,150	43,975	
1940	48,566	48,584	
1941	59,171	58,811	
1942	45,374	45,966	
1943	55,865	55,348	
1944	57,255	56,183	
1945	66,693	68,283	
1946	66,153	65,849	
Total	567,810	566,942	

This project is on a 40-year repayment basis. For lands now receiving water, repayment is scheduled to be completed in 1984.

Power and Irrigation Summary—Status of Repayment Account ¹

Fiscal year	Repayable			Payout schedule			Balance repayable
	Total	Irrigation contracts	Costs allocated to power	Total	Irrigation	Power	
1923	\$87,549		\$87,549				
1924	288,123		288,123				
1925	349,446		349,446			² \$823	
1926	350,521		350,521			² 2,747	
1927	350,722		350,722			² 7,936	
1928	355,563		355,563			² 6,676	
1929	354,524		354,524			1,917	
1930	410,695		410,695			² 1,754	
1931	5,451,374	\$5,037,971	413,403			² 9,098	
1932	5,471,792	5,058,389	413,403			² 7,918	
1933	5,491,236	5,075,373	415,863			² 5,494	
1934	5,505,629	5,089,766	415,863			² 2,264	
1935	5,520,961	5,101,809	419,152			² 4,004	
1936	5,542,511	5,116,724	425,787			² 1,891	
1937	5,602,878	5,122,915	479,963			² 2,749	
1938	5,648,301	5,129,053	519,248			5,882	
1939	5,742,896	5,125,017	617,879			10,769	
1940	5,762,758	5,132,624	630,134			9,327	

See footnotes at end of table.

Power and Irrigation Summary—Status of Repayment Account¹—Continued

Fiscal year	Repayable			Payout schedule			Balance repayable
	Total	Irrigation contracts	Costs allocated to power	Total	Irrigation	Power	
1941	\$5,756,258	\$5,119,803	\$636,455			\$9,302	
1942	5,770,099	5,127,670	642,429	\$2,566		18,723	\$5,767,533
1943	5,765,832	5,123,272	642,560	4,194		4,194	5,759,072
1944	5,775,290	5,132,129	643,161	2,221		2,221	5,766,309
1945	5,762,817	5,120,149	642,668	63,035	\$26,260	36,775	5,690,801
1946	5,752,157	5,101,965	650,192	97,209	48,304	48,905	5,582,932
1947	5,752,157	5,101,965	650,192	68,718	36,829	31,889	5,514,214
1948	5,752,157	5,101,965	650,192	91,338	59,604	31,734	5,422,876
1949	5,752,157	5,101,965	650,192	103,967	70,858	33,109	5,318,909
1950	5,752,157	5,101,965	650,192	104,066	90,757	13,309	5,214,843
1951	5,752,157	5,101,965	650,912	102,626	90,757	11,869	5,112,217
1952	5,752,157	5,101,965	650,192	108,267	96,398	11,869	5,003,950
1953	5,752,157	5,101,965	650,192	108,267	96,398	11,869	4,895,683
1954	5,752,157	5,101,965	650,192	113,909	102,040	11,869	4,781,774
1955	5,752,157	5,101,965	650,192	113,909	102,040	11,869	4,667,865
1956	5,752,157	5,101,965	650,192	113,909	102,040	11,869	4,553,956
1957	5,752,157	5,101,965	650,192	113,909	102,040	11,869	4,440,047
1958	5,752,157	5,101,965	650,192	113,909	102,040	11,869	4,326,138
1959	5,752,157	5,101,965	650,192	133,777	121,908	11,869	4,192,361
1960	5,752,157	5,101,965	650,192	133,777	121,908	11,869	4,058,584
1961	5,752,157	5,101,965	650,192	133,777	121,908	11,869	3,924,807
1962	5,752,157	5,101,965	650,192	133,777	121,908	11,869	3,791,030
1963	5,752,157	5,101,965	650,192	139,419	127,550	11,869	3,651,611
1964	5,752,157	5,101,965	650,192	139,419	127,550	11,869	3,512,192
1965	5,752,157	5,101,965	650,192	139,419	127,550	11,869	3,372,773
1966	5,752,157	5,101,965	650,192	139,419	127,550	11,869	3,233,354
1967	5,752,157	5,101,965	650,192	139,419	127,550	11,869	3,093,935
1968	5,752,157	5,101,965	650,192	139,419	127,550	11,869	2,954,516
1969	5,752,157	5,101,965	650,192	139,419	127,550	11,869	2,815,097
1970	5,752,157	5,101,965	650,192	139,419	127,550	11,869	2,675,678
1971	5,752,157	5,101,965	650,192	139,419	127,550	11,869	2,536,259
1972	5,752,157	5,101,965	650,192	139,419	127,550	11,869	2,396,840
1973	5,752,157	5,101,965	650,192	139,419	127,550	11,869	2,257,421
1974	5,752,157	5,101,965	650,192	157,287	145,418	11,869	2,100,134
1975	5,752,157	5,101,965	650,192	157,287	145,418	11,869	1,942,847
1976	5,752,157	5,101,965	650,192	157,287	145,418	11,869	1,785,560
1977	5,752,157	5,101,965	650,192	157,287	145,418	11,869	1,628,273
1978	5,752,157	5,101,965	650,192	162,929	151,060	11,869	1,465,344
1979	5,752,157	5,101,965	650,192	162,929	151,060	11,869	1,302,415
1980	5,752,157	5,101,965	650,192	184,797	172,928	11,869	1,117,618
1981	5,752,157	5,101,965	650,192	184,797	172,928	11,869	932,821
1982	5,752,157	5,101,965	650,192	184,797	172,928	11,869	748,024
1983	5,752,157	5,101,965	650,192	244,402	232,533	11,869	503,622
1984	5,752,157	5,101,965	650,192	250,043	238,174	11,869	253,579
1985	5,752,157	5,101,965	650,192	71,176	59,307	11,869	182,403
1986	5,752,157	5,101,965	650,192	51,361	39,492	11,869	131,042
1987	5,752,157	5,101,965	650,192	68,287	56,418	11,869	62,755
1988	5,752,157	5,101,965	650,192	62,755	56,418	6,337	0
Total				5,752,157	5,101,965	650,192	

¹ The North Division of the project now under construction, consisting of public lands, is not covered by repayment contracts and is not included in this statement.

² Loss.

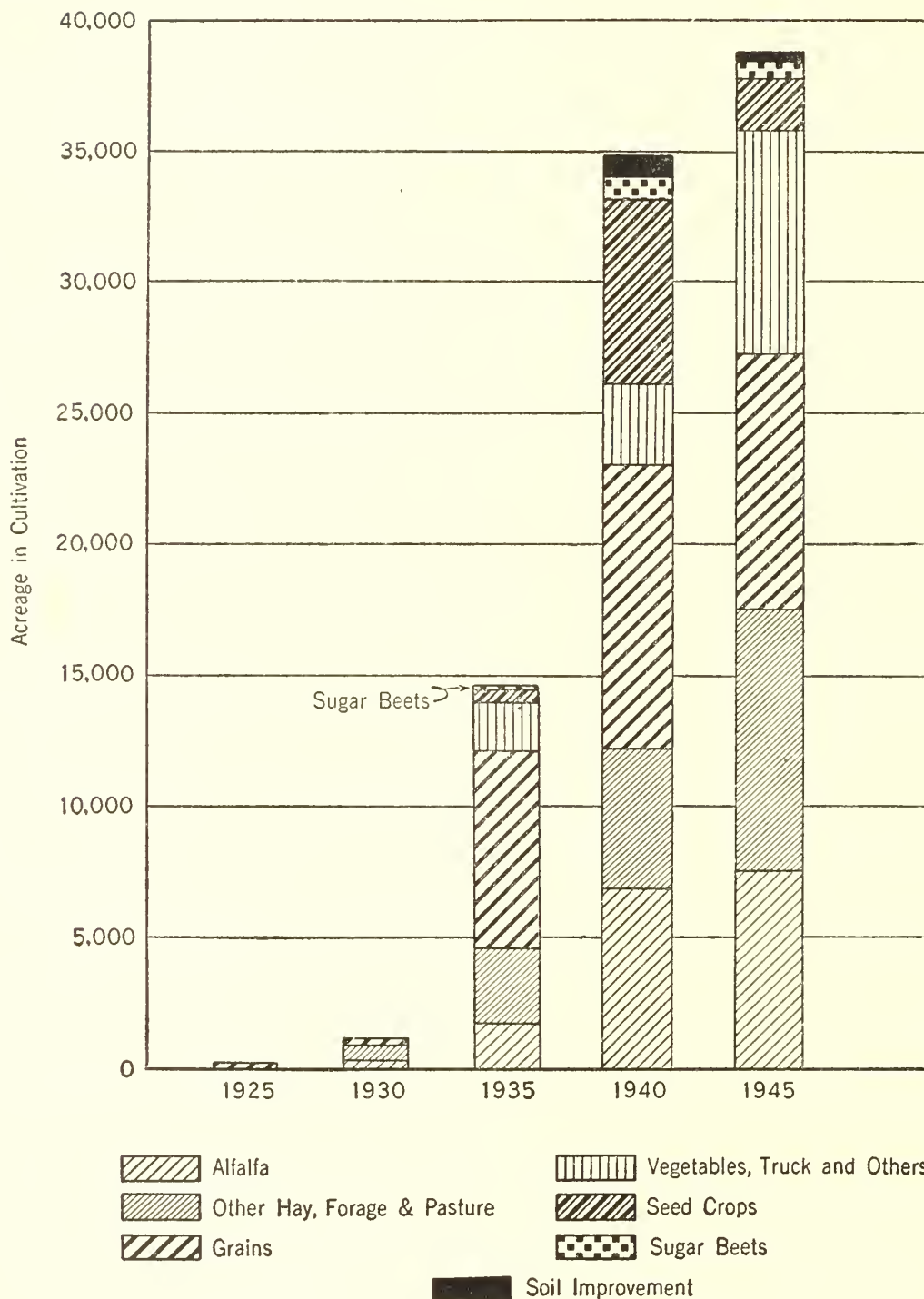
In this schedule, the power revenues applied up to the end of the fiscal year 1946 are net after deducting provision for replacement in the amount of \$225,432, while in the schedule, separately published, based on amortization of all investment allocated to power with 3 percent interest in 50 years and application of the interest component to repayment of irrigation costs, the provision for replacement is computed theoretically as amounting to only \$52,198. This accounts for the longer period of repayment in this schedule.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre	Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1925	80	\$1,200	\$15.00	1936	18,799	\$390,595	\$20.78
1926	260	2,420	9.31	1937	23,431	435,850	18.60
1927	390	5,155	13.22	1938	26,095	471,773	18.08
1928	520	6,670	12.83	1939	29,181	642,424	22.02
1929	875	10,120	11.57	1940	34,715	715,909	20.62
1930	1,105	10,308	9.33	1941	37,310	799,734	21.43
1931	1,753	20,947	11.95	1942	38,850	1,134,112	29.19
1932	2,547	19,455	7.64	1943	38,136	1,579,465	41.42
1933	3,723	41,295	11.09	1944	39,160	1,705,156	43.54
1934	6,968	110,196	15.81	1945	38,760	1,467,086	37.85
1935	14,717	185,686	12.62				

See footnote at end of table.

¹ Includes Government benefit payments.

RIVERTON PROJECT, WYOMING CROP HISTORY



Water Service Commenced in 1925

Salt River Project

Arizona . . .

. . . Region III

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Salt River Valley Water Users' Association, in a series of repayment contracts, has assumed a total obligation to the United States of \$17,488,233. To June 30, 1946, \$10,269,356, or 59

percent, had become due and had been paid. This includes advance payments for 1947 through 1952 on the original debt, made by the association in 1943, 1944, and 1945 as a result of high crop values, and six installments on the cost of Bartlett Dam.

The project is operated by the Salt River Valley Water Users' Association. A total of \$2,246,726 in water rentals was collected prior to

the time that the association took over the operation of the project.

The extensive power system on the project is owned and operated by the association.

Determination of repayment obligation as of June 30, 1946:

Cost	\$22, 607, 408
Interest funded	866, 574
Total	<u>23, 473, 982</u>
Construction revenues and contributed funds	5, 447, 541
Total	<u>18, 026, 441</u>
Nonreimbursable cost	382, 097
Net	<u>17, 644, 344</u>
Adjustment to be made	¹ 156, 111
Total	<u>17, 488, 233</u>

¹Decrease. Decrease covers charges deferred under 1922 contract and under relief acts.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1917	\$2, 894, 662								
1918	10, 166, 022	\$203, 320		\$203, 320	\$203, 320		\$203, 320	\$203, 320	
1919	10, 166, 022	203, 321		203, 321	203, 321		203, 321	406, 641	
1920	10, 166, 022	203, 321		203, 321	203, 320		203, 320	609, 961	
1921	10, 166, 022	203, 321		203, 321			0	609, 961	
1922	10, 166, 022	406, 640		406, 640	756		756	610, 717	
1923	10, 166, 022		¹ \$332, 962	¹ 332, 962		\$276, 244	276, 244	886, 961	
1924	10, 166, 022	809, 962		809, 962	809, 962		809, 962	1, 696, 923	
1925	10, 166, 022	609, 961		609, 961	609, 961		609, 961	2, 306, 884	
1926	10, 166, 022	643, 862		643, 862	643, 862		643, 862	2, 950, 746	
1927	10, 166, 022	645, 557		645, 557	521		521	2, 951, 267	
1928	10, 166, 022	647, 337		647, 337	1, 266	645, 036	646, 302	3, 597, 569	
1929	10, 166, 022	1, 042, 691		1, 042, 691	1, 042, 691	646, 071	1, 688, 762	5, 286, 331	
1930	10, 166, 022	609, 962		609, 962			0	5, 286, 331	
1931	10, 166, 022	1, 219, 923		1, 219, 923	1, 219, 922	609, 962	1, 829, 884	7, 116, 215	
1932	10, 166, 022			0			0	7, 116, 215	Moratorium period. Acts of Apr. 1, 1932, and Mar. 3, 1933. Construction charges deferred for calendar years 1931, \$648,063; 1932, \$157,441; 1933, \$152,866.
1933	10, 166, 022	152, 490		152, 490			0	7, 116, 215	
1934	10, 209, 450		¹ 762, 452	¹ 762, 452		¹ 609, 961	¹ 609, 961	6, 506, 254	
1935	10, 209, 450	152, 490		152, 490	152, 490		152, 490	6, 658, 744	
1936	10, 209, 450	152, 491		152, 491	152, 491		152, 491	6, 811, 235	
1937	10, 209, 450	152, 490		152, 490	152, 490		152, 490	6, 963, 725	
1938	11, 189, 042	217, 797		217, 797	217, 797		217, 797	7, 181, 522	
1939	11, 189, 042	217, 797		217, 797	217, 797		217, 797	7, 399, 319	
1940	11, 189, 042	50, 000		50, 000	50, 000		50, 000	7, 449, 319	
1941	² 17, 789, 042	282, 688		282, 688	64, 891		64, 891	7, 514, 210	
1942	17, 721, 398	142, 209		142, 209	65, 756	217, 797	283, 553	7, 797, 763	
1943	17, 721, 398	311, 389		311, 389	311, 389	76, 453	387, 842	8, 185, 605	
1944	17, 640, 791	1, 186, 776		1, 186, 776	1, 186, 776		1, 186, 776	9, 372, 381	
1945	17, 488, 233	765, 942		765, 942	765, 942		765, 942	10, 138, 323	
1946	17, 488, 233	131, 033		131, 033	131, 033		131, 033	10, 269, 356	
Total Collected		11, 364, 770	1, 095, 414	10, 269, 356	8, 407, 754	1, 861, 602	10, 269, 356		
Uncollected				0					

¹ Decrease. Decreases cover charges deferred under 1922 contract and under relief acts.
² Increase in obligation caused by addition of obligation for Bartlett Reservoir under 1935 contract.

This project is on a 40-year repayment basis.
 Operation and maintenance by Salt River Valley Water Users' Association.

Public Notices and Contracts

- 1917, Jan. 18. Public notice. Construction charge \$60 per acre, payable in 20 graduated annual installments.
- 1917, Sept. 6. Contract with Salt River Valley Water Users' Association. Association assumed obligation to repay construction cost of project, payable in 20 graduated annual installments.
- 1922, July 26. Contract with Salt River Valley Water Users' Association. Association granted extension of time for payment of 1920, 1921, and 1922 charges.
- 1930, Nov. 29. Contract with Salt River Valley Water Users' Association. Delinquent 1929 charge, 1930 charge, and 1931 charge to be paid in lump sum of \$1,851,232.60. Remainder of debt scheduled to be paid in 20 years, with 4 percent interest, in amortized installments.
- 1935, Nov. 26, and 1939, Oct. 2. Contracts with Salt River Valley Water Users' Association to pay construction cost of Bartlett Reservoir. Estimated cost \$6,600,000, payable in 40 graduated annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount	
		Original	Bartlett Dam
Contract obligation (total \$17,488,233)		\$10,937,872	\$6,550,361
	Due to June 30—		
	1946	9,811,705	¹ 457,651
	1947	(²)	131,033
	1948	(²)	131,033
	1949	(²)	131,033
	1950	(²)	131,033
	1951	(²)	131,033
	1952	(²)	131,033
	1953	319,457	131,033
	1954	319,457	131,033
	1955	319,457	131,033
	1956	167,796	196,536
	1957		196,536
	1958		196,536
	1959		196,536
	1960		196,536
	1961		196,536
	1962		196,536
	1963		196,536
	1964		196,536
	1965		196,536
	1966		196,536
	1967		196,536
	1968		196,536
	1969		196,536
	1970		196,536
	1971		196,536
	1972		196,536
	1973		196,536
	1974		196,536
	1975		196,536
	1976		196,536
	1977		196,536
	1978		196,536
	1979		196,536
	1980		196,549

¹ Repayment of the cost of Bartlett Dam began in fiscal year 1941.

² Advance payments have been made through fiscal year 1952.

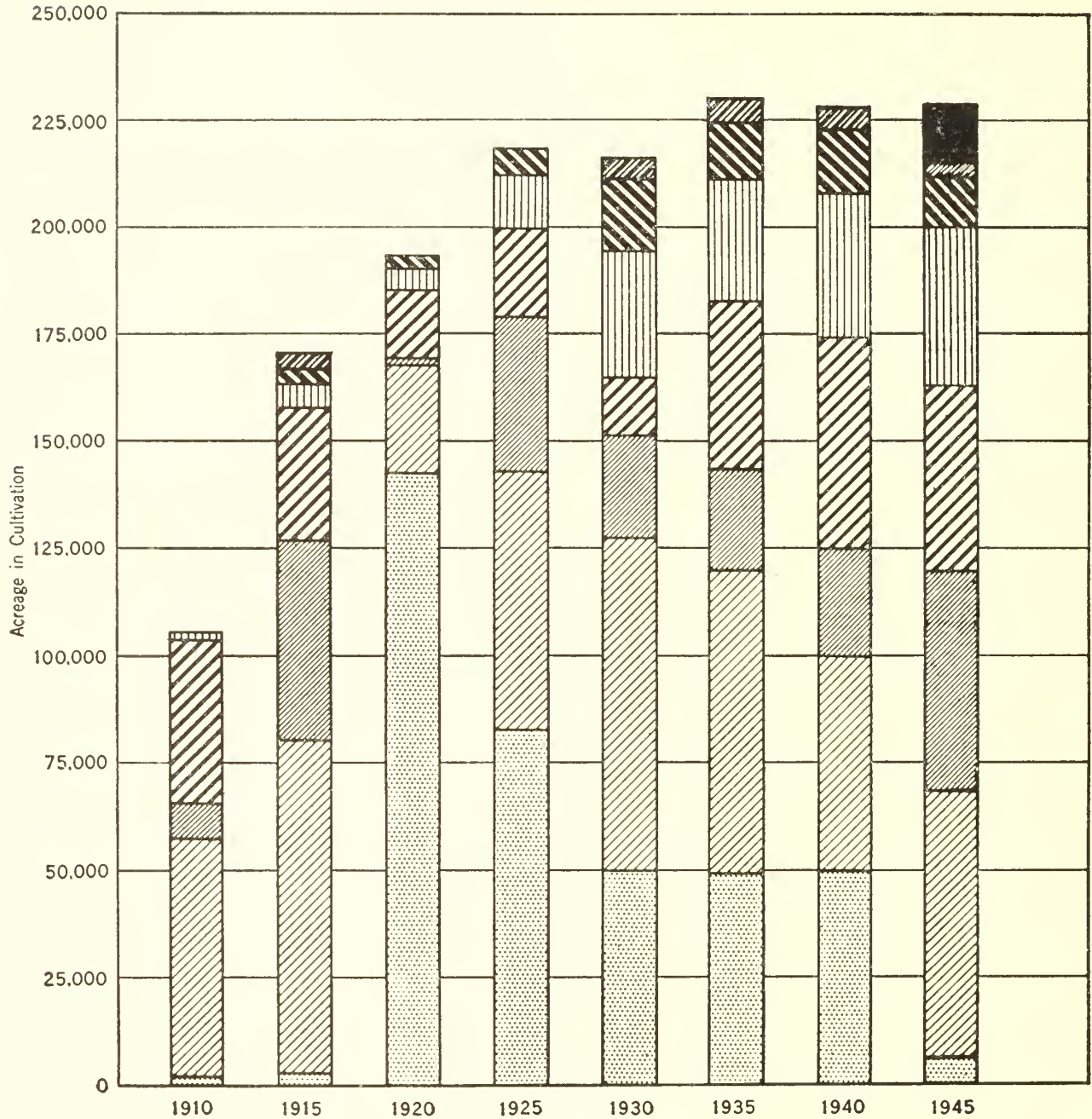
Contractor: Salt River Valley Water Users' Association

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1910 ²	106,000	\$4,240,000	\$40.00
1911 ²	115,514	2,775,000	24.02
1912 ²	155,696	4,775,000	30.67
1913	161,642	4,552,879	28.17
1914	169,719	4,039,079	23.80
1915	171,832	3,661,769	21.31
1916	173,359	8,435,719	48.66
1917	188,500	13,692,000	72.64
1918	184,432	18,188,800	98.62
1919	188,232	23,768,682	126.27
1920	193,350	18,551,800	95.95
1921	191,000	11,435,380	59.87
1922	191,920	12,898,050	67.20
1923	188,070	18,619,130	99.00
1924	215,430	22,091,850	102.55
1925	217,900	22,456,640	103.06
1926	221,590	16,549,160	74.68
1927	216,940	21,188,750	97.67
1928	219,970	26,082,055	118.57
1929	214,750	25,423,030	118.39
1930	216,723	16,540,314	76.32
1931	208,546	10,355,049	49.65
1932	224,444	9,660,555	43.04
1933	222,947	12,393,212	55.59
1934	218,544	16,514,901	75.57
1935	228,435	18,638,893	81.59
1936	229,450	19,487,951	84.93
1937	229,460	20,150,858	87.82
1938	229,425	18,460,319	80.46
1939	227,159	15,935,708	70.15
1940	227,125	16,843,965	74.16
1941	227,485	19,190,182	84.36
1942	226,661	29,195,456	128.81
1943	226,049	35,482,345	156.97
1944	227,170	36,640,419	161.29
1945	228,533	33,034,154	144.55

¹ Includes Government benefit payments.

² Estimated.

SALT RIVER PROJECT, ARIZONA CROP HISTORY



- Cotton
- Alfalfa
- Other Hay, Forage & Pasture
- Grains
- Vegetables, Truck and Others
- Fruits and Nuts
- Seed Crops
- Soil Improvement

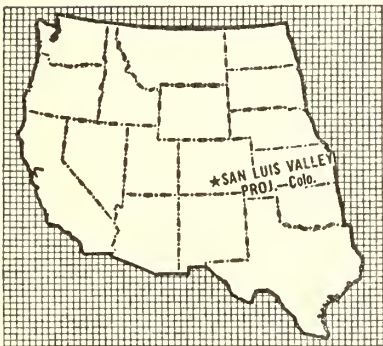
Water Service Commenced in 1907

San Luis Valley Project

Colorado . . .

. . . Region V

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The San Luis Valley project is a multiple-purpose project authorized under section 9 of the Reclamation Project Act of 1939. By regulation of the flow of the Rio Grande and the Conejos River,

flood protection will be provided and a supplemental water supply for approximately 456,000 acres of lands in the San Luis Valley now irrigated but not assured an adequate supply. The estimated total cost is \$28,451,800.

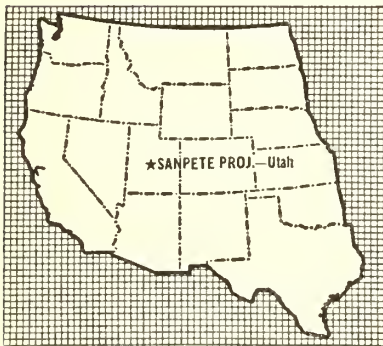
The Rio Grande Water Conservancy District and the Conejos Water Conservancy District are the proposed contracting entities for repayment of reimbursable portions of the construction costs.

Sanpete Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

serve the Horseshoe Irrigation Co. The repayment contracts of these two companies for this work total \$373,376. Repayment began in the

The Bureau of Reclamation has built the Ephraim tunnel and two feeder canals to furnish supplemental water to the Ephraim Irrigation Co., and the Spring City tunnel and two feeder canals to

fiscal year 1940 and to June 30, 1946, \$53,840 had become due, of which \$49,986 had been paid leaving an unpaid balance of \$3,854.

All project works are operated and maintained by the irrigation companies.

Determination of repayment obligation as of June 30, 1946:

Cost	\$374, 540
Less construction revenues	1, 284
	<hr/>
Total	373, 256
Adjustment to be made	120
	<hr/>
Total	373, 376

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks	
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total			
1935	\$365,000									
1936	375,000									
1937	376,000									
1938	376,000									
1939	376,000									
1940	376,000	\$2,375		\$2,375	\$2,375		\$2,375		Ephraim Irrigation Co. installment deferred under act of Aug. 4, 1939, \$2,375.	
1941	374,000	4,776		4,776	4,776		4,776	7,151		
1942	374,000	9,350		9,350	7,310		7,310	14,461		
1943	373,376	9,335		9,335	7,186	\$2,040	9,226	23,687		
1944	373,376	9,334		9,334	7,434	2,149	9,583	33,270		
1945	373,376	9,335		9,335	5,710	1,900	7,610	40,880		
1946	373,376	9,335		9,335	5,481	3,625	9,106	49,986		
Total		53,840		53,840	40,272	9,714	49,986			
Collected				49,986						
Uncollected				3,854						

This project is on a 40-year repayment basis. Operation and maintenance by the Ephraim Irrigation Co. and the Horseshoe Irrigation Co.

Contracts

1934, July 11. Contract with Ephraim Irrigation Co., and contract of May 31, 1935, with Horseshoe Irrigation Co. for construction of Sanpete project. Cost of \$373,376 payable in 40 equal annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors	
	Ephraim Irrigation Co.	Horseshoe Irrigation Co.
Contract obligation (total \$373,376)	\$190,946	\$182,430
Due to June 30—		
1946	31,024	22,816
1947	4,774	4,560
1948	4,774	4,560
1949	4,774	4,560
1950	4,774	4,560
1951	4,774	4,560
1952	4,774	4,560
1953	4,774	4,560
1954	4,774	4,560
1955	4,774	4,560
1956	4,774	4,560
1957	4,774	4,560
1958	4,774	4,560
1959	4,774	4,560
1960	4,774	4,560
1961	4,774	4,560
1962	4,774	4,560
1963	4,774	4,560
1964	4,774	4,560
1965	4,774	4,560
1966	4,774	4,560
1967	4,774	4,560
1968	4,774	4,560
1969	4,774	4,560
1970	4,774	4,560
1971	4,774	4,560
1972	4,774	4,560
1973	4,774	4,560

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors	
	Ephraim Irrigation Co.	Horseshoe Irrigation Co.
Due to June 30—		
1974	\$4,774	\$4,560
1975	4,774	4,560
1976	4,774	4,560
1977	4,774	4,560
1978	4,774	4,560
1979	4,780	4,560
1980	2,374	4,560
1981		4,574

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

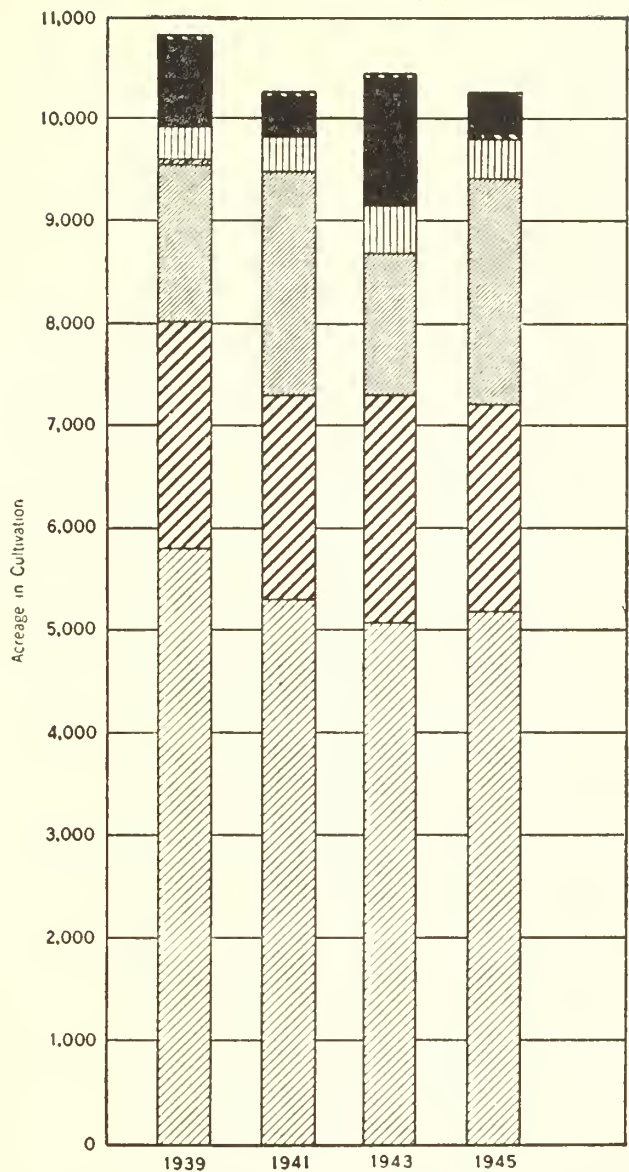
SANPETE PROJECT ¹

Year	Area cropped or in cultivation (acres)	Total gross crop value ²	Average crop value per acre
1937	6,280	\$128,926	\$20.53
1938	6,162	119,385	19.37
1939	10,811	115,638	10.70
1940	10,850	177,897	16.40
1941	10,271	129,012	12.56
1942	10,376	184,503	17.78
1943	10,434	223,858	21.45
1944	10,962	308,886	28.18
1945	10,236	280,964	27.45

¹ Entire project.
² Includes Government benefit payments.

See footnote at end of table.

SANPETE PROJECT, UTAH
CROP HISTORY



- Alfalfa
- Grains
- Other Hay, Forage & Pasture
- Seed Crops
- Vegetables, Truck and Others
- Soil Improvement
- Fruits and Nuts

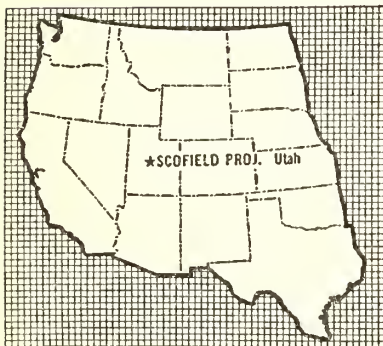
Water Service Commenced in 1939

Scofield Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Bureau of Reclamation has rebuilt Scofield Dam, under authority of the Water Conservation and Utilization Act, to assure a reliable water supply for the Price River Basin.

The reimbursable portion of the construction cost is \$247,000. Under contract dated February 28, 1944, with the Carbon Water Conservancy District a total of \$216,000, or approximately \$21 per irrigable acre, is to be repaid in forty equal annual installments. Notice has been given to the district that the first construction charge installment in the amount of \$5,400 shall be due December 31, 1947.

A total of \$31,000 is to be repaid by the Utah State Fish and Game Commission, for built-in protection to fish life. To June 30, 1946, \$20,000 had been collected on this account and \$11,000 will become due in fiscal year 1947.

The project works are operated and maintained by the Bureau of Reclamation, pending the possibility of constructing the Gooseberry project.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amounts due from contractors	
		Carbon Water Conservancy District	Utah State Fish and Game Commission
Contract obligation (total \$247,000)-----		\$216, 000	\$31, 000
	Due to June 30—		
	1946-----		20, 000
	1947-----		11, 000
	1948-----	5, 400	
	1949-----	5, 400	
	1950-----	5, 400	
	1951-----	5, 400	
	1952-----	5, 400	
	1953-----	5, 400	
	1954-----	5, 400	
	1955-----	5, 400	
	1956-----	5, 400	
	1957-----	5, 400	
	1958-----	5, 400	
	1959-----	5, 400	
	1960-----	5, 400	
	1961-----	5, 400	
	1962-----	5, 400	

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

	Fiscal year	Amounts due from contractors	
		Carbon Water Conservancy District	Utah State Fish and Game Commission
	Due to June 30—		
	1963-----	\$5,400	-----
	1964-----	5,400	-----
	1965-----	5,400	-----
	1966-----	5,400	-----
	1967-----	5,400	-----
	1968-----	5,400	-----
	1969-----	5,400	-----
	1970-----	5,400	-----
	1971-----	5,400	-----
	1972-----	5,400	-----
	1973-----	5,400	-----
	1974-----	5,400	-----
	1975-----	5,400	-----

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

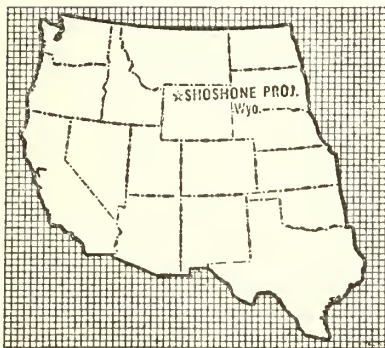
	Fiscal year	Amounts due from contractors	
		Carbon Water Conservancy District	Utah State Fish and Game Commission
	Due to June 30—		
	1976-----	\$5,400	-----
	1977-----	5,400	-----
	1978-----	5,400	-----
	1979-----	5,400	-----
	1980-----	5,400	-----
	1981-----	5,400	-----
	1982-----	5,400	-----
	1983-----	5,400	-----
	1984-----	5,400	-----
	1985-----	5,400	-----
	1986-----	5,400	-----
	1987-----	5,400	-----

Shoshone Project

Wyoming . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Frannie Division.—The Deaver Irrigation District has contracted to repay a total of \$1,724,365 to the United States for construction of an irrigation system to serve the district lands.

Repayments commenced in 1918 and to June 30, 1946, a total of \$97,500 had become due. There had been paid to the United States on the same date a total of \$95,126.

The district is paying construction charges in accordance with the act of December 5, 1924, which authorized the 5 percent crop repayment plan.

The irrigation system is operated and maintained by the Deaver Irrigation District and the reserved works (Shoshone Dam, Reservoir, and power system) are operated by the United States.

A total of \$108,346 has been collected from the district water users for operation and maintenance

by the United States and \$25,953 for water rentals.

Net power revenues are being applied to a portion of the project construction cost which has been allocated to power development.

Determination of repayment obligation as of June 30, 1946:

Gross cost	\$2, 813, 677
Operation and maintenance funded	172, 643
Penalties funded	155
	<hr/>
Total	2, 986, 475
Less construction revenues	32, 789
	<hr/>
Total	2, 953, 686
Less charge-off, act of May 26, 1926	1, 228, 876
	<hr/>
Net	1, 724, 810
Adjustment to be made	1445
	<hr/>
Total	1, 724, 365

¹Decrease. Decrease is due to cancellation of individual water-right applications.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks	
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total			
1918	\$611,302	\$30,565		\$30,565	\$30,565		\$30,565	\$30,565		
1919	766,699	7,767		7,767	7,767		7,767	38,332		
1920	1,685,372	45,749		45,749	45,448		45,448	83,780		
1921	1,750,820	2,911		2,911	2,911	\$301	3,212	86,992		
1922	1,958,474	10,461		10,461	10,461		10,461	97,453		
1923	2,656,125	24,717		24,717	2,341	¹ 1,838	503	97,956		
1924	² 2,572,066	29,596	¹ \$2,179	27,417	1,242	¹ 2,181	¹ 939	97,017		
1925	² 2,471,059	7,747	¹ 7,593	154	684	¹ 5,040	¹ 4,356	92,661		
1926	² 1,968,132	10,795	¹ 28,708	¹ 17,913	430	¹ 19,090	¹ 18,660	74,001		
1927	² 1,805,949		¹ 10,961	¹ 10,961		¹ 6,667	¹ 6,667	67,334	No payments due under contract of Dec. 22, 1926.	
1928	² 1,700,801		¹ 7,275	¹ 7,275		¹ 3,946	¹ 3,946	63,388		
1929	1,719,151		¹ 7,610	¹ 7,610		¹ 3,642	¹ 3,642	59,746		
1930	1,719,998		¹ 46,746	¹ 46,746		¹ 509	¹ 509	59,237		
1931	1,717,451		¹ 296	¹ 296		¹ 296	¹ 296	58,941		
1932	1,718,080	1,261	833	2,094	1,261	833	2,094	61,035		Suspension of construction charge payments, contract of June 3, 1933.
1933	1,718,080			0			0	61,035		
1934	1,724,365	61	¹ 769	¹ 708	61	¹ 769	¹ 708	60,327		
1935	1,724,365	61		61	61		61	60,388		
1936	1,724,365	61		61			0	60,388		
1937	1,724,365	62		62		61	61	60,449		
1938	1,724,365	61		61		62	62	60,511		
1939	1,724,365	123		123		61	61	60,572		
1940	1,724,365	123		123		123	123	60,695		
1941	1,724,365	123		123			0	60,695		
1942	1,724,365	122		122		245	245	60,940		
1943	1,724,365	2,718		2,718	448	122	570	61,510		
1944	1,724,365	7,425		7,425	7,302	2,271	9,573	71,083		
1945	1,724,365	11,499		11,499	11,376	123	11,499	82,582		
1946	1,724,365	14,796		14,796	12,422	122	12,544	95,126		
Total		208,804	¹ 111,304	97,500	134,780	¹ 39,654	95,126			
Collected				95,126						
Uncollected				2,374						

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1919	\$10,280	\$4,892	1917, Aug. 31. Public notice. Construction charge \$66 per acre, 20 graduated installments.
1920	14,660	10,873	1919, Aug. 21. Public notice. Construction charge \$90 per acre, 20 graduated installments.
1921	33,636	13,223	1920, Jan. 28. Public notice. Construction charge \$95 per acre, 20 years.
1922	37,985	9,519	1921, July 19. Public notice. Construction charge \$100 per acre, 20 years.
1923	25,307	8,746	1922, June 3. Public notice. Supplemental construction of drainage works, \$30 per acre payable in 4 equal annual installments.
1924	21,677	3,381	1924, Feb. 7. Order suspending all public notices and placing division on a water-rental basis.
1925	¹ 21,688	¹ 217	1926, Dec. 22. Contract with Deaver Irrigation District under which the district assumes obligation to pay the construction cost of the Frannie Division, payments to be made on the crop-production basis, beginning with the year 1932.
1926	¹ 17,641	123	1933, June 3. Contract with Deaver Irrigation District. Construction payments 1933-42 postponed to enable district to construct needed drains.
1927	¹ 83	7,716	
1928	9,970	13,562	
1929	12,213	15,572	
1930	¹ 38,195	731	
1931	1,392	1,011	
1932	1,033	383	
1933	1,045	1,030	
1934	994	1,058	
1935	972	915	
1936	1,145	1,037	
1937	1,251	1,184	
1938	1,546	1,213	
1939	1,323	1,548	
1940	1,608	1,323	
1941	1,481	1,608	
1942	1,393	1,480	
1943	1,544	2,304	
1944	1,320	1,951	
1945	1,156	1,158	
1946	1,022	1,022	
Total	108,346	108,346	

¹ Decrease. Decreases are due to cancellation of individual water-right applications.
² Decreases in obligation due to cancellation of individual water-right applications.

This division is on a crop production basis of repayment.

Irrigation system operated by the Deaver Irrigation District since 1930; reserved works operated by the United States.

Repayment of Construction Investment
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands-----		\$1, 260, 234
Suspended lands (temporarily unproductive) ² -----		464, 131
Total amount repayable-----		1, 724, 365
	Due to June 30--	
1946-----		³ 92, 489
1947-----		17, 113
1948-----		18, 940
1949-----		19, 001
1950-----		19, 001
1951-----		19, 001
1952-----		19, 001
1953-----		19, 001
1954-----		19, 001
1955-----		19, 001
1956-----		19, 001
1957-----		19, 001
1958-----		19, 001
1959-----		19, 001
1960-----		19, 001
1961-----		19, 001
1962-----		19, 001
1963-----		19, 001
1964-----		19, 001
1965-----		19, 001
1966-----		19, 001
1967-----		19, 001
1968-----		19, 001
1969-----		19, 001
1970-----		19, 001
1971-----		19, 001
1972-----		19, 001
1973-----		18, 818
1974-----		18, 818
1975-----		18, 818
1976-----		18, 818
1977-----		18, 818
1978-----		18, 818
1979-----		18, 818
1980-----		18, 818
1981-----		18, 818
1982-----		18, 818
1983-----		18, 818
1984-----		18, 818
1985-----		18, 818
1986-----		18, 818
1987-----		18, 818
1988-----		18, 818
1989-----		18, 818
1990-----		18, 818
1991-----		18, 818
1992-----		18, 818
1993-----		18, 818
1994-----		15, 229
1995-----		15, 229
1996-----		15, 229
1997-----		15, 229
1998-----		15, 229

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	Date to June 30--	
	1999-----	\$15, 229
	2000-----	15, 229
	2001-----	15, 229
	2002-----	15, 229
	2003-----	15, 229
	2004-----	11, 160
	2005-----	11, 160
	2006-----	11, 160
	2007-----	11, 160
	2008-----	11, 160
	2009-----	11, 160
	2010-----	11, 160
	2011-----	11, 160
	2012-----	11, 160
	2013-----	11, 160
	2014-----	11, 160
	2015-----	5, 440

¹ Average of 1939-44 crop returns used in estimating repayment 1947 through 2015.
² Lands considered temporarily unproductive on which charges are not currently assessed.
³ \$5,011 additional paid on suspended lands.

Contractor: Deaver Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1918-----	4, 729	\$115, 722	\$24. 47
1919-----	6, 833	178, 333	26. 10
1920-----	9, 270	134, 540	14. 51
1921-----	9, 710	79, 080	8. 14
1922-----	9, 420	122, 100	12. 96
1923-----	8, 090	127, 850	15. 80
1924-----	6, 720	96, 270	14. 33
1925-----	6, 700	119, 595	17. 85
1926-----	7, 430	149, 050	20. 06
1927-----	7, 560	178, 800	23. 65
1928-----	7, 580	151, 710	20. 01
1929-----	8, 034	160, 341	19. 96
1930-----	8, 923	163, 695	18. 35
1931-----	9, 453	136, 070	14. 39
1932-----	9, 715	101, 031	10. 40
1933-----	13, 094	121, 274	9. 26
1934-----	13, 405	157, 791	11. 77
1935-----	13, 955	170, 235	12. 20
1936-----	14, 154	235, 350	16. 63
1937-----	13, 082	219, 544	16. 78
1938-----	12, 863	181, 257	14. 09
1939-----	14, 147	229, 735	16. 24
1940-----	13, 784	258, 620	18. 76
1941-----	13, 931	306, 381	21. 99
1942-----	11, 400	385, 780	33. 84
1943-----	10, 127	387, 703	38. 28
1944-----	11, 598	362, 191	31. 23
1945-----	10, 000	323, 943	32. 39

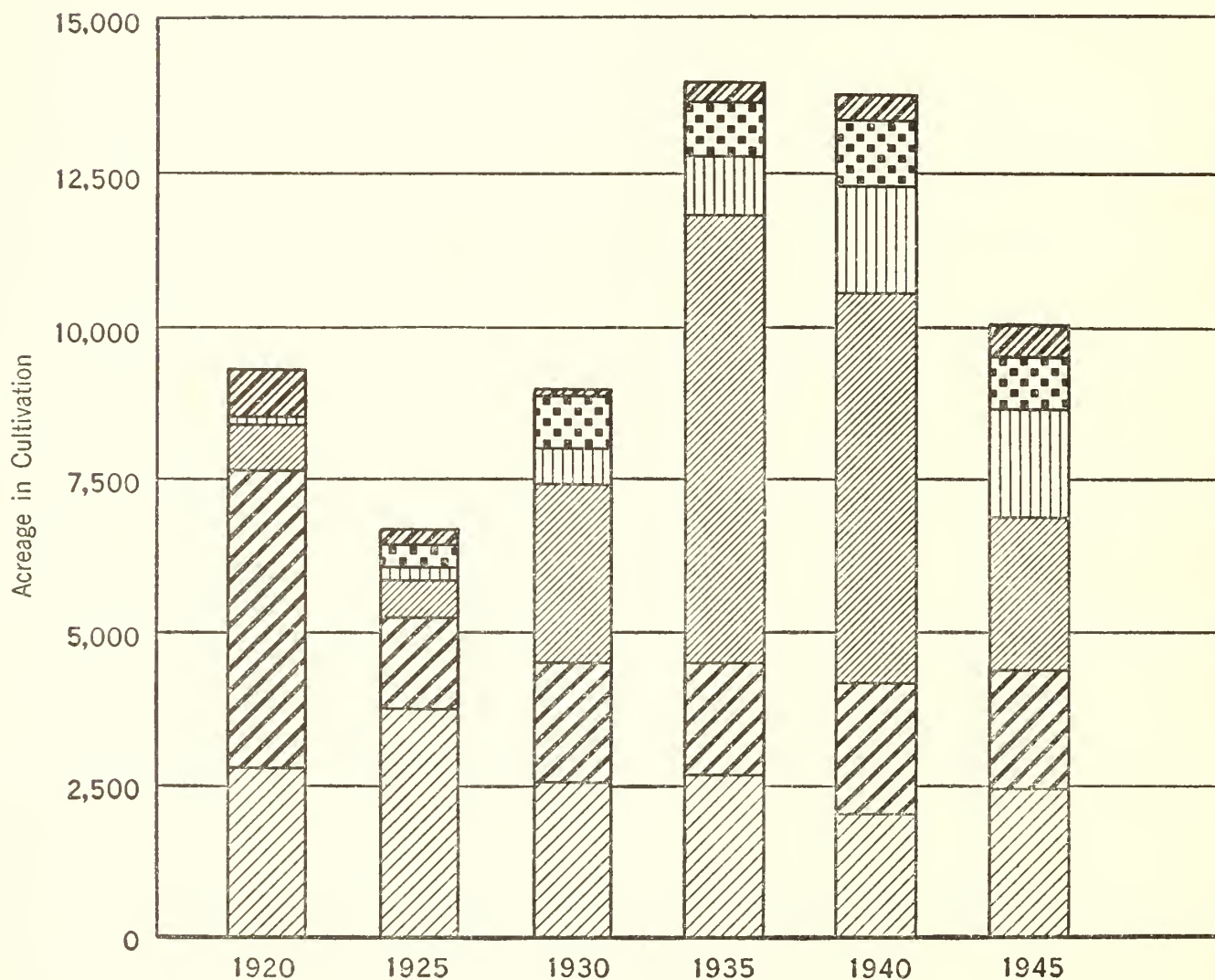
¹ Includes Government benefit payments.

See footnotes at end of table.

SHOSHONE PROJECT, WYOMING

FRANNIE DIVISION

CROP HISTORY



- | | |
|---|--|
| <ul style="list-style-type: none"> Alfalfa Grains Other Hay, Forage & Pasture | <ul style="list-style-type: none"> Vegetables, Truck and Others Sugar Beets Seed Crops |
|---|--|

Water Service Commenced in 1918

Garland
Division

The Shoshone Irrigation District operates the distribution system for the Garland Division. The reserved works, Shoshone Dam and Reservoir and power plant, are operated by the United States. The District has a contracted debt to the United States of \$3,843,231 for the distribution system and a share of the reserved works. A total of \$1,412,222, or 37 percent, has become due from 1908 to June 30, 1946. This amount has been paid in full.

The Shoshone Irrigation District is paying for its share of the construction cost on the 5 percent crop repayment plan authorized by the act of December 5, 1924. The district advances money for its portion of the operating cost of the storage system. A total of \$479,065 has been collected for operation and maintenance and \$18,344 for water rentals.

Net power revenues are being applied to a portion of the construction cost which has been allocated to power development.

Determination of repayment obligation as of June 30, 1946:

Gross cost.....	\$3,921,696
Operation and maintenance funded.....	198,452
Penalties funded.....	95,985
<hr/>	
Total.....	4,216,133
Less construction revenues.....	39,119
<hr/>	
Total.....	4,177,014
Less charge-off, act of May 26, 1926.....	359,701
<hr/>	
Net.....	3,817,313
Adjustment to be made.....	25,918
<hr/>	
Total.....	3,843,231

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1908.....		\$7,066		\$7,066	\$3,315		\$3,315	\$3,315	
1909.....		36,928		36,928	35,802	\$3,751	39,553	42,868	
1910.....		50,922		50,922	25,008	408	25,416	68,284	
1911.....		87,697	¹ \$10,601	77,096	27,442	¹ 8,427	19,015	87,299	
1912.....		66,509	¹ 38,491	28,018	15,136	35,744	50,680	138,179	
1913.....		71,466	¹ 27,224	44,242	14,130	34,557	48,687	186,866	
1914.....		97,906	¹ 12,145	85,761	12,459	6,119	18,578	205,444	
1915.....	\$1,514,591	32,897	¹ 122,789	¹ 89,892	28,651	1,432	30,083	235,527	1915. Reclamation Extension Act, Aug. 13, 1914, delinquent charges funded.
1916.....	1,942,552	29,514	¹ 3,522	25,992	23,962	934	24,896	260,423	
1917.....	2,214,963			31,768			33,574	293,997	
1918.....	2,245,778			22,925			23,738	317,735	
1919.....	2,768,791			50,551			47,971	365,706	
1920.....	2,830,261			47,994			46,739	412,445	
1921.....	2,835,753			79,425			42,604	455,049	
1922.....	2,940,730	646,025		87,691	306,147		28,974	484,023	1922, 1923, 1924. Temporary relief acts, Mar. 31, 1922, Feb. 28, 1923, and May 9, 1924.
1923.....	2,934,414			91,437			27,477	511,500	
1924.....	3,330,508			84,957			16,852	528,352	
1925.....	3,294,790			52,870			9,148	537,500	
1926.....	3,193,476			96,407			29,070	566,570	
1927.....	² 3,843,138	3,294	¹ 327,909	¹ 324,615	771	9,827	10,598	577,168	1927. District contract.
1928.....	3,838,926	40,982	¹ 1,246	42,228	39,691	380	40,071	617,239	
1929.....	3,859,880	55,929	¹ 12,282	43,647	55,642	¹ 1,070	54,572	671,811	
1930.....	3,865,616	48,110	¹ 1,433	46,677	47,974	¹ 196	47,778	719,589	
1931.....	3,870,131	43,139		43,139	42,739	253	42,992	762,581	
1932.....	3,868,177	8,051	¹ 1,914	6,137	7,423	¹ 1,625	5,798	768,379	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936.
1933.....	3,872,085	1,101	¹ 5,916	¹ 4,815	902	¹ 4,923	¹ 4,021	764,358	Charges deferred for calendar years, 1931, \$45,993; 1932, \$43,649; 1933, \$42,090; 1934, \$41,849; 1935, \$40,189; 1936, \$20,299.
1934.....	³ 3,730,755	1,315	¹ 263	1,052	1,055	¹ 198	857	765,215	
1935.....	3,732,144	⁴ 156,723	¹ 409	⁴ 156,314	⁴ 156,723	¹ 210	⁴ 156,513	921,728	
1936.....	3,728,541	2,071	¹ 121	1,950	1,860		1,860	923,588	
1937.....	3,734,605	23,537	¹ 1,085	22,452	23,357	¹ 800	22,557	946,145	
1938.....	3,734,605	46,686		46,686	46,469	176	46,645	992,790	
1939.....	3,734,605	46,710		46,710	46,360	137	46,497	1,039,287	
1940.....	3,737,706	46,387		46,387	46,233	110	46,343	1,085,630	
1941.....	3,739,356	44,346		44,346	44,294	90	44,384	1,130,014	

See footnotes at end of table.

Construction Repayments—Continued

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1942.....	\$3,737,649	\$44,622	¹ \$1,422	\$43,200	\$44,622	¹ \$983	\$43,639	\$1,173,653	
1943.....	⁵ 3,816,569	50,502		50,502	50,502		50,502	1,224,155	
1944.....	⁵ 3,899,086	57,941	¹ 102	57,839	57,941	¹ 102	57,839	1,281,994	
1945.....	⁵ 3,843,231	63,844	¹ 2,124	61,720	63,844	¹ 2,124	61,720	1,343,714	
1946.....	3,843,231	68,508		68,508	68,508		68,508	1,412,222	
Totals.....		1,980,728	¹ 568,506	1,412,222	1,338,962	73,260	1,412,222		
Collected.....				1,412,222					
Uncollected.....				0					

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1908.....	\$1,548	\$741	1907, Nov. 25. Public notice, \$45 per acre, 10 equal annual installments.
1909.....	8,450	8,859	1909, May 8. Public notice, \$46 per acre, 10 equal annual installments.
1910.....	8,588	5,156	1911, May 20. Public notice, \$47 per acre, 10 equal annual installments.
1911.....	19,754	18,615	1912, Feb. 9. Public notice, increased rates for those in arrears to \$50, \$51, and
1912.....	18,938	21,428	\$52 per acre, and graduated installments over 10-year period.
1913.....	10,856	2,548	1912, Mar. 23. Public notice for additional homesteads. Rate \$52 per acre.
1914.....	21,929	32,877	10 graduated installments.
1915.....	25,203	14,629	1915, Sept. 25. Public notice for supplemental construction of drainage works.
1916.....	17,848	23,404	Rate \$7 per acre, payable in additional installments after 20-year period allowed
1917.....	24,251	23,258	by Extension Act.
1918.....	28,802	27,653	1917, Feb. 10. Public notice for additional lands. Rate \$59 per acre, 20 gradu-
1919.....	47,487	43,664	ated installments.
1920.....	55,746	55,212	1918, July 17. Supplemental construction of drainage works. Rate \$12.50 per
1921.....	66,708	37,369	acre. Additional installments after 20-year period.
1922.....	83,153	36,583	1921, July 19. Public notice for additional lands. Rate \$100 per acre. 20
1923.....	46,984	20,460	years.
1924.....	40,508	16,898	1923, Apr. 28. Public notice covering supplemental construction of drainage
1925.....	20,323	19,026	works. Rate \$11 per acre, payable in 3 installments.
1926.....	39,899	33,154	1926, Nov. 4. Contract with Shoshone Irrigation District. District assumed
1927.....	¹ 136,143	1,769	obligations of individual water users. Unpaid balances to be paid by district
1928.....	528	2,972	in semiannual installments based on 5 percent of average gross annual acre
1929.....	¹ 12	4,655	income from crops. Delinquent charges with penalties funded. Contract
1930.....	1,318	1,622	provides for additional drainage work up to \$315,000.
1931.....	1,813	1,813	
1932.....	1,213	1,322	
1933.....	1,520	1,525	
1934.....	1,849	1,849	
1935.....	1,456	1,456	
1936.....	1,067	1,067	
1937.....	592	592	
1938.....	1,577	1,577	
1939.....	1,474	1,474	
1940.....	2,284	1,941	
1941.....	1,851	2,194	
1942.....	2,147	2,147	
1943.....	2,715	2,715	
1944.....	1,658	1,658	
1945.....	1,704	1,704	
1946.....	1,479	1,479	
Total.....	479,065	479,065	

¹ Decrease. Mainly due to cancellation of water-right applications, and to funding of delinquent charges in 1915 and 1927.

² Increase in obligation due to funding of delinquent operation and maintenance charges and penalties, and penalties on delinquent construction charges, to be paid as construction.

³ Decrease in obligation due to adjustment of supplemental construction obligation from public notice rates to actual cost.

⁴ Includes accumulated profits from rental of lands and sale of town site lots distributed and credited to water users, \$156,141.

⁵ Increase of obligation due to adding value of water rights for lands sold under act of May 16, 1930. Adjustment decrease in 1945 due to some contracts having been rejected by the Bureau of Land Management.

This division is on a crop production basis of repayment.

Irrigation system operated by the Shoshone Irrigation District since 1927; reserved works operated by the United States.

Repayment of Construction Investment

PAY-OUT SCHEDULE¹

	Fiscal year	Amount
Contract obligation:		
Paying lands		\$3, 372, 251
Suspended lands (temporarily unproductive) ²		470, 980
Total amount repayable		3, 843, 231
	Due to June 30—	
	1946	³ 1, 404, 223
	1947	90, 989
	1948	90, 928
	1949	90, 665
	1950	90, 665
	1951	90, 665
	1952	90, 665
	1953	90, 665
	1954	90, 665
	1955	90, 665
	1956	90, 665
	1957	90, 665
	1958	90, 665
	1959	90, 665
	1960	82, 522
	1961	56, 569
	1962	56, 569
	1963	56, 569
	1964	56, 569
	1965	56, 569
	1966	56, 569
	1967	56, 569
	1968	56, 569
	1969	56, 569
	1970	55, 750
	1971	29, 905
	1972	29, 905
	1973	29, 906
	1974	25, 331
	1975	6, 495
	1976	6, 495
	1977	6, 495
	1978	6, 495
	1979	376

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1908 ²	1, 686	\$16, 860	\$10. 00
1909 ²	9, 025	99, 275	11. 00
1910 ²	9, 618	125, 000	13. 00
1911 ²	10, 415	124, 975	12. 00
1912	15, 315	155, 400	10. 15
1913	18, 178	262, 464	14. 44
1914	20, 905	313, 826	15. 01
1915	24, 833	410, 031	16. 51
1916	28, 695	600, 903	20. 94
1917	31, 554	1, 061, 180	33. 63
1918	32, 960	1, 370, 660	41. 59
1919	34, 183	1, 708, 644	49. 99
1920	34, 850	929, 100	26. 66
1921	34, 170	633, 460	18. 54
1922	32, 400	664, 320	20. 50
1923	30, 130	854, 320	28. 35
1924	29, 600	617, 230	20. 85
1925	29, 526	810, 857	27. 46
1926	30, 320	763, 670	25. 19
1927	33, 460	1, 045, 740	31. 25
1928	34, 300	792, 090	23. 09
1929	33, 132	1, 092, 330	32. 97
1930	32, 946	1, 130, 957	34. 33
1931	32, 661	579, 603	17. 75
1932	31, 552	381, 527	12. 09
1933	30, 144	609, 547	20. 22
1934	30, 993	756, 420	24. 41
1935	31, 491	768, 875	24. 42
1936	31, 754	1, 250, 861	39. 39
1937	34, 564	1, 014, 885	29. 36
1938	33, 386	777, 915	23. 30
1939	33, 458	984, 215	29. 42
1940	33, 469	991, 058	29. 61
1941	33, 332	1, 207, 993	36. 24
1942	29, 541	1, 687, 927	57. 14
1943	31, 120	2, 034, 339	65. 37
1944	34, 416	1, 933, 191	56. 17
1945	33, 296	1, 608, 642	48. 31

¹ Includes Government benefit payments.

² Estimated.

¹ Average of 1939-44 crop returns used in estimating repayment 1947 through 1979.

² Lands considered temporarily unproductive on which charges are not currently assessed.

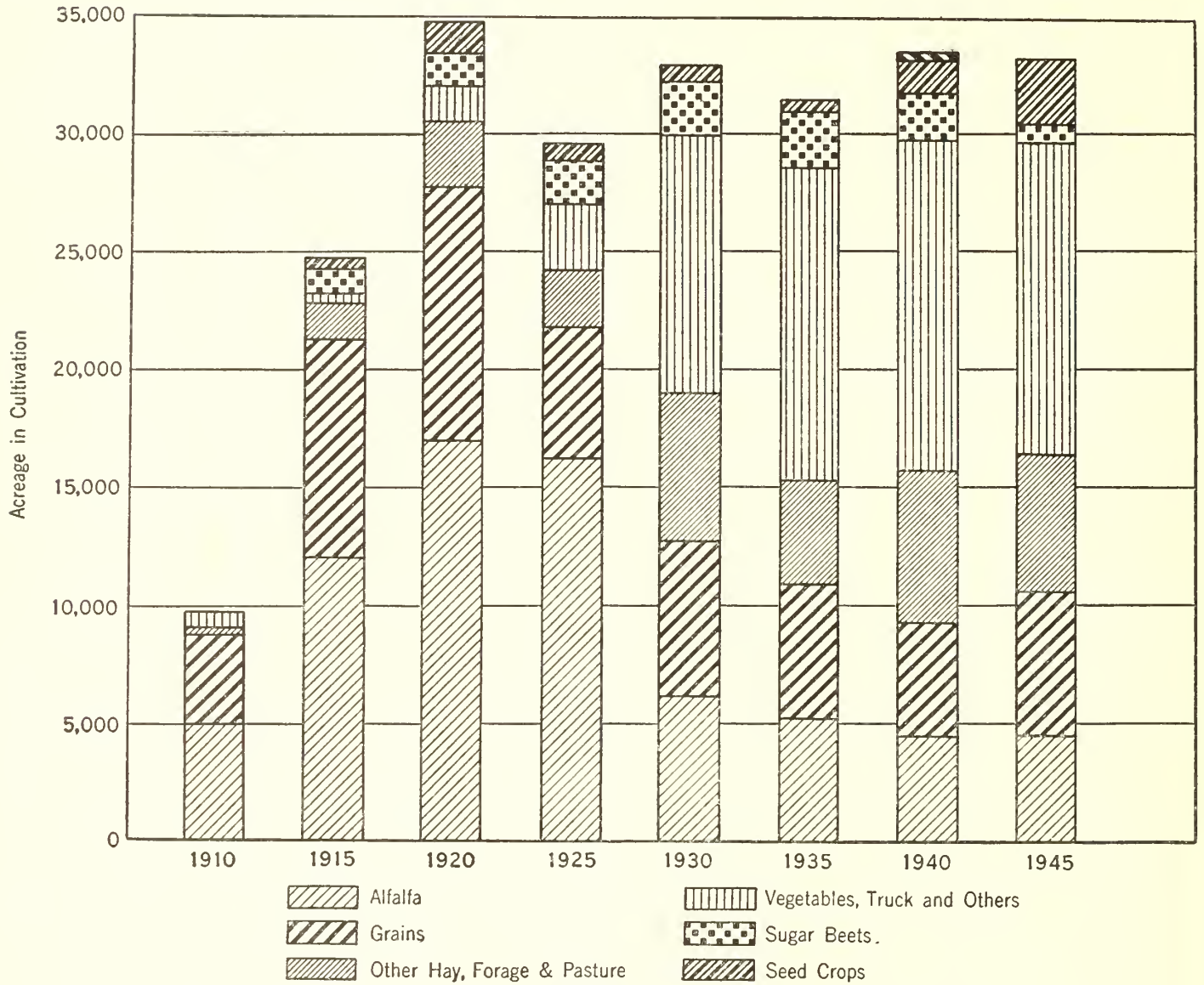
³ \$7,999 additional paid on suspended land.

Contractor: Shoshone Irrigation District.

SHOSHONE PROJECT, WYOMING

GARLAND DIVISION

CROP HISTORY



Water Service Commenced in 1908

*Willwood
Division*

The Willwood Division was constructed much later than the other two operating divisions of the Shoshone project. The area was composed of public land, and homesteaders, when entering on the land in 1927-38 were required to sign water-right applications pledging themselves to pay a certain construction charge per acre in 20 graduated annual installments upon completion of the division, or to assist in organizing an irrigation district which would assume the obligation to pay the entire cost of construction in 40 years. The portion of the project cost charged to this Division is \$1,355,738.

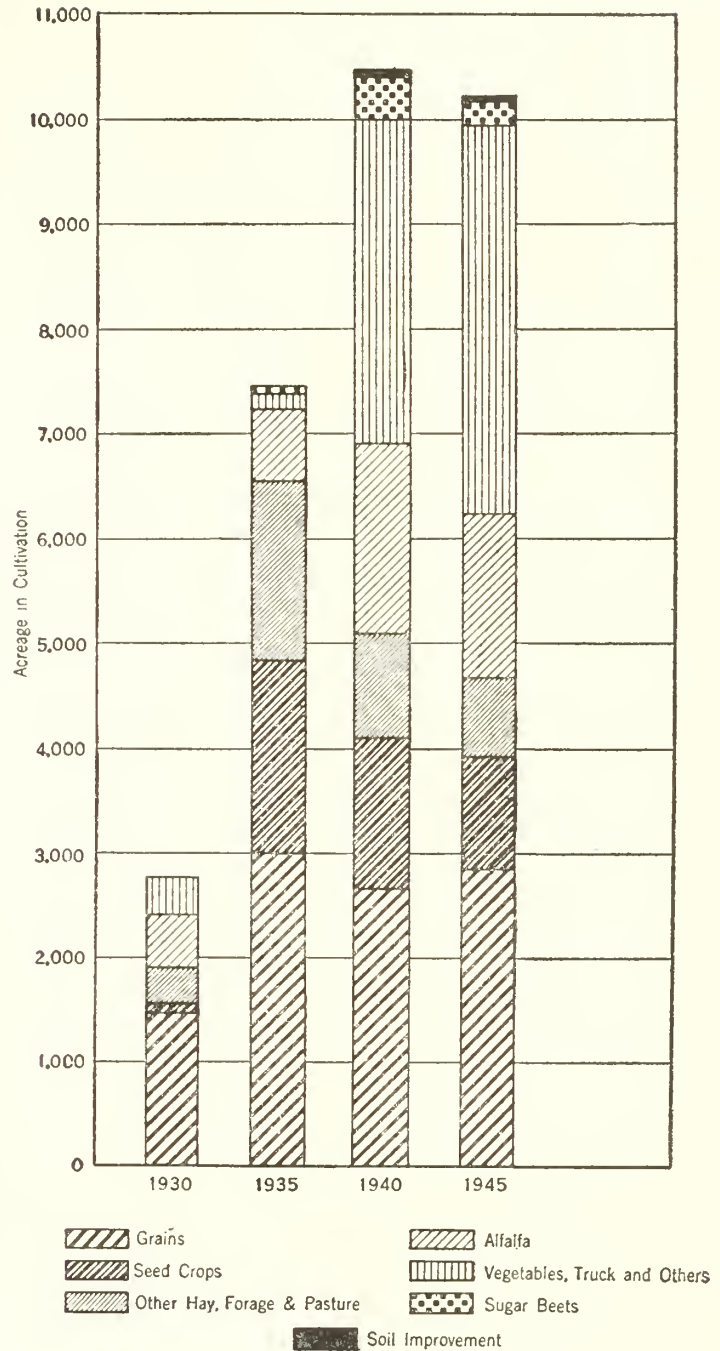
The Willwood Irrigation District was formed in 1943. The Bureau of Reclamation has under way an economic study preliminary to arranging for the negotiation of a repayment contract and beginning the payment of construction charges.

The United States is operating the Willwood Division. Water rental collections have amounted to \$211,813 to June 30, 1946.

SHOSHONE PROJECT, WYOMING

WILLWOOD DIVISION

CROP HISTORY



Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1926			
1927			
1928	1,100	\$10,960	\$9.96
1929	2,110	18,300	8.67
1930	2,796	28,545	10.21
1931	3,487	24,946	7.15
1932	3,937	17,644	4.48
1933	4,296	38,511	8.96
1934	4,731	74,049	15.65
1935	7,451	95,908	12.87
1936	8,235	180,363	21.90
1937	8,998	208,567	23.18
1938	9,655	144,035	14.92
1939	10,125	207,981	20.54
1940	10,449	258,333	24.72
1941	10,495	320,810	30.57
1942	10,438	477,695	45.76
1943	10,481	560,094	53.44
1944	10,448	589,089	56.38
1945	10,206	456,916	44.77

¹ Includes Government benefit payments.

Water Service Commenced in 1927

Power and Irrigation Summary—Status of Repayment Account

FRANNIE AND GARLAND DIVISIONS

Fiscal year	Repayable			Pay-out schedule			Balance repayable
	Total	Irrigation contracts	Costs allocated to power	Total	Irrigation	Power	
1908				\$3,315	\$3,315		
1909				39,553	39,553		
1910				25,416	25,416		
1911				19,015	19,015		
1912				50,880	50,880		
1913				48,687	48,687		
1914				18,578	18,578		
1915	\$1,514,591	\$1,514,591		30,083	30,083		\$1,279,064
1916	1,942,552	1,942,552		24,896	24,896		1,682,129
1917	2,214,963	2,214,963		33,574	33,574		1,920,966
1918	2,857,080	2,857,080		54,303	54,303		2,508,780
1919	3,535,490	3,535,490		55,738	55,738		3,131,452
1920	4,515,633	4,515,633		92,187	92,187		4,019,408
1921	4,586,573	4,586,573		45,816	45,816		4,044,532
1922	7,143,646	4,899,204	\$2,244,442	39,872	39,435	\$437	6,561,733
1923	7,967,189	5,590,539	2,376,650	32,387	27,980	4,407	7,352,889
1924	8,397,982	5,902,574	2,495,408	18,614	15,913	2,701	7,765,068
1925	8,284,437	5,765,850	2,518,587	9,605	4,792	4,813	7,641,918
1926	7,689,290	5,161,608	2,527,682	45,705	10,410	35,295	7,001,066
1927	8,186,507	5,649,087	2,537,420	9,051	3,931	5,120	7,489,232
1928	8,077,147	5,539,727	2,537,420	58,602	36,125	22,477	7,321,270
1929	8,107,803	5,528,035	2,528,768	93,375	50,930	42,445	7,258,551
1930	8,139,849	5,589,981	2,549,868	120,008	47,269	72,739	7,170,589
1931	8,323,131	5,594,496	2,728,635	84,824	42,696	42,128	7,269,047
1932	8,330,721	5,592,542	2,738,179	39,318	7,892	31,426	7,237,319
1933	8,333,129	5,596,450	2,736,679	15,129	4,021	11,108	7,244,856
1934	8,191,799	5,455,120	2,736,679	11,693	149	11,544	7,091,833
1935	8,193,188	5,456,509	2,736,679	182,298	156,574	25,724	6,910,924
1936	8,189,585	5,452,906	2,736,679	46,424	1,860	44,564	6,860,897
1937	8,198,311	5,458,970	2,739,341	76,026	22,618	53,408	6,793,597
1938	8,198,311	5,458,970	2,739,341	99,638	46,707	52,931	6,693,959
1939	8,198,311	5,458,970	2,739,341	103,553	46,558	56,995	6,590,406
1940	8,201,412	5,462,071	2,739,341	102,424	46,466	55,958	6,491,083
1941	8,201,062	5,461,721	2,739,341	93,795	44,384	49,411	6,396,938
1942	8,484,977	5,462,014	3,022,963	123,805	43,884	79,921	6,557,048
1943	8,631,502	5,540,934	3,090,568	190,065	51,072	138,993	6,513,508
1944	8,715,316	5,623,451	3,091,865	217,126	67,412	149,714	6,380,196
1945	8,660,221	5,567,596	3,092,625	215,519	73,219	142,300	6,109,582
1946	8,660,344	5,567,596	3,092,748	227,508	81,052	146,456	5,882,197
1947	8,660,344	5,567,596	3,092,748	227,263	110,476	116,787	5,654,934
1948	10,019,320	5,567,596	4,451,724	222,460	109,868	112,592	6,791,450
1949	10,019,320	5,567,596	4,451,724	244,108	109,666	134,442	6,547,342
1950	10,019,320	5,567,596	4,451,724	263,033	109,666	153,367	6,284,309
1951	10,019,320	5,567,596	4,451,724	279,258	109,666	169,592	6,005,051
1952	10,019,320	5,567,596	4,451,724	295,458	109,666	185,792	5,709,593
1953	10,019,320	5,567,596	4,451,724	313,458	109,666	203,792	5,396,135
1954	10,019,320	5,567,596	4,451,724	313,458	109,666	203,792	5,082,677
1955	10,019,320	5,567,596	4,451,724	313,458	109,666	203,792	4,769,219
1956	10,019,320	5,567,596	4,451,724	313,458	109,666	203,792	4,455,761
1957	10,019,320	5,567,596	4,451,724	313,458	109,666	203,792	4,142,303
1958	10,019,320	5,567,596	4,451,724	313,458	109,666	203,792	3,828,845
1959	10,019,320	5,567,596	4,451,724	313,458	109,666	203,792	3,515,387
1960	10,019,320	5,567,596	4,451,724	305,315	101,523	203,792	3,210,072
1961	10,019,320	5,567,596	4,451,724	279,362	75,570	203,792	2,930,710
1962	10,019,320	5,567,596	4,451,724	253,061	75,570	177,491	2,677,649

¹ Loss.

Power and Irrigation Summary—Status of Repayment Account—Continued

FRANNIE AND GARLAND DIVISIONS

Fiscal year	Repayable			Pay-out schedule			Balance repay-able
	Total	Irrigation con-tracts	Costs allocated to power	Total	Irrigation	Power	
1963	\$10, 019, 320	\$5, 567, 596	\$4, 451, 724	\$226, 770	\$75, 570	\$151, 200	\$2, 450, 879
1964	10, 019, 320	5, 567, 596	4, 451, 724	202, 140	75, 570	126, 570	2, 248, 739
1965	10, 019, 320	5, 567, 596	4, 451, 724	94, 534	75, 570	18, 964	2, 154, 205
1966	10, 019, 320	5, 567, 596	4, 451, 724	75, 570	75, 570	(?)	2, 078, 635
1967	10, 019, 320	5, 567, 596	4, 451, 724	75, 570	75, 570		2, 003, 065
1968	10, 019, 320	5, 567, 596	4, 451, 724	75, 570	75, 570		1, 927, 495
1969	10, 019, 320	5, 567, 596	4, 451, 724	75, 570	75, 570		1, 851, 925
1970	10, 019, 320	5, 567, 596	4, 451, 724	74, 751	74, 751		1, 777, 174
1971	10, 019, 320	5, 567, 596	4, 451, 724	48, 906	48, 906		1, 728, 268
1972	10, 019, 320	5, 567, 596	4, 451, 724	48, 906	48, 906		1, 679, 362
1973	10, 019, 320	5, 567, 596	4, 451, 724	48, 724	48, 724		1, 630, 638
1974	10, 019, 320	5, 567, 596	4, 451, 724	44, 149	44, 149		1, 586, 489
1975	10, 019, 320	5, 567, 596	4, 451, 724	25, 313	25, 313		1, 561, 176
1976	10, 019, 320	5, 567, 596	4, 451, 724	25, 313	25, 313		1, 535, 863
1977	10, 019, 320	5, 567, 596	4, 451, 724	25, 313	25, 313		1, 510, 550
1978	10, 019, 320	5, 567, 596	4, 451, 724	25, 313	25, 313		1, 485, 237
1979	10, 019, 320	5, 567, 596	4, 451, 724	19, 194	19, 194		1, 466, 043
1980	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 447, 225
1981	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 428, 407
1982	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 409, 589
1983	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 390, 771
1984	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 371, 953
1985	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 353, 135
1986	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 334, 317
1987	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 315, 499
1988	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 296, 681
1989	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 277, 863
1990	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 259, 045
1991	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 240, 227
1992	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 221, 409
1993	10, 019, 320	5, 567, 596	4, 451, 724	18, 818	18, 818		1, 202, 591
1994	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 187, 362
1995	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 172, 133
1996	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 156, 904
1997	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 141, 675
1998	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 126, 446
1999	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 111, 217
2000	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 095, 988
2001	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 080, 759
2002	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 065, 530
2003	10, 019, 320	5, 567, 596	4, 451, 724	15, 229	15, 229		1, 050, 301
2004	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		1, 039, 141
2005	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		1, 027, 981
2006	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		1, 016, 821
2007	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		1, 005, 661
2008	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		994, 501
2009	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		983, 341
2010	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		972, 181
2011	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		961, 021
2012	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		949, 861
2013	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		938, 701
2014	10, 019, 320	5, 567, 596	4, 451, 724	11, 160	11, 160		927, 541
2015	10, 019, 320	5, 567, 596	4, 451, 724	5, 440	5, 440		922, 101
Charges against class 5 lands, temporarily suspended							922, 101
Total				9, 097, 219	4, 645, 495	4, 451, 724	

* After repayment of the cost allocated to power, the net power revenues, by law (act of Apr. 9, 1938, 52 Stat. 210) will be paid into the reclamation fund.

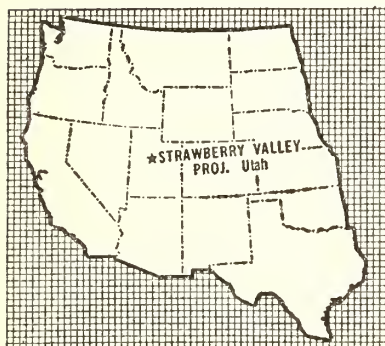
In this schedule, the power revenues applied up to the end of the fiscal year 1946 are net after deducting provision for replacement in the amount of \$453,358, while in the schedule, separately published, based on amortization of all investment allocated to power with 3 percent interest in 50 years and application of the interest component to repayment of irrigation costs, the provision for replacement is computed theoretically as amounting to only \$156,654. Another difference is that the last mentioned schedule contains provision or payment for use of Shoshone Reservoir under a proposed contract.

Strawberry Valley Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

By a contract dated September 28, 1926, the Strawberry Water Users' Association assumed an obligation to repay to the United States the construction cost of the project which, in the total

amount of \$3,349,424, is principally based upon obligations under individual water-right applications. On some lands these applications require repayments over periods ranging from 20 to 40 years. On certain other lands of the Highline and Spanish Fork Divisions of the project the water-right applications provide for individual payments, which are now made to the association, based on the 5 percent crop repayment plan authorized by the act of December 5, 1924. Of the total obligation, an amount of \$174,745, unsecured by individual contracts, is payable in 40

equal annual installments by the association.

On June 30, 1946, a total of \$1,922,139, representing all of the accrued charges, or 57 percent of the association's obligation, had been paid.

The project was transferred to the association in 1927 for operation and maintenance. A total of \$376,881 was collected for operation and maintenance and \$17,596 for water rentals up to the time when the works were transferred.

Through the operation of the project power plant, the association receives the benefit of annual net power revenue credits.

Determination of repayment obligation as of June 30, 1946:

Cost	\$3, 519, 935
Operation and maintenance funded	42, 238
Penalties funded	47, 398
	Total
	3, 609, 571
Less construction revenues	260, 147
	Total
	3, 349, 424

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1916	\$1,731,249	\$20,421		\$20,421	\$19,829		\$19,829	\$19,829	
1917	1,788,312	29,024		29,024	27,552		27,552	47,381	
1918	2,341,245	38,703		38,703	34,999		34,999	82,380	
1919	2,596,600	39,102		39,102	38,286		38,286	120,666	
1920	3,044,066	47,339		47,339	45,631	\$3,007	48,638	169,304	
1921	3,075,829	88,136		88,136	77,187	3,714	80,901	250,205	
1922	3,082,999	93,100		93,100	59,512	3,972	63,484	313,689	
1923	3,084,099	123,079	¹ \$2,559	120,520	64,732	17,976	82,708	396,397	
1924	3,091,256	136,150	¹ 3,596	132,554	63,426	19,974	83,400	479,797	
1925	3,103,417	155,390	1,030	156,420	66,551	10,290	76,841	556,638	
1926	3,114,337	177,700	¹ 9,875	167,825	78,551	27,300	105,851	662,489	
1927	3,181,503	86,101	¹ 249,224	¹ 163,123	82,473		82,473	744,962	1927. Adjustment under 1926 contract.
1928	3,162,530	110,156		110,156	96,032	32,972	129,004	873,966	
1929	3,208,236	112,427		112,427	101,974	16,664	118,638	992,604	
1930	3,212,136	110,038		110,038	99,664		99,664	1,092,268	
1931	3,342,029	107,804		107,804	94,805	10,374	105,179	1,197,447	
1932	3,342,029	105,681		105,681	43,335	12,999	56,334	1,253,781	
1933	3,342,542	73,799	¹ 80,144	¹ 6,345	67,992	¹ 17,797	50,195	1,303,976	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$93,031; 1932, \$74,449; 1933, \$70,320; 1934, \$69,178; 1935, \$55,309; 1936, \$9,412.
1934	3,348,835	23,312	¹ 49,843	¹ 26,531	23,312	¹ 44,037	¹ 20,725	1,283,251	
1935	3,348,835	90,495		90,495	64,799		64,799	1,348,050	
1936	3,349,379	23,625	¹ 80,236	¹ 56,611	23,625	¹ 54,540	¹ 30,915	1,317,135	
1937	3,349,424	68,803		68,803	68,803		68,803	1,385,938	
1938	3,349,424	86,457		86,457	86,457		86,457	1,472,395	
1939	3,349,424	82,161		82,161	82,161		82,161	1,554,556	
1940	3,349,424	79,410		79,410	79,410		79,410	1,633,966	
1941	3,349,424	50,843		50,843	50,843		50,843	1,684,809	
1942	3,349,424	47,805		47,805	47,805		47,805	1,732,614	
1943	3,349,424	46,336		46,336	46,336		46,336	1,778,950	
1944	3,349,424	46,626		46,626	46,626		46,626	1,825,576	
1945	3,349,424	46,364		46,364	46,364		46,364	1,871,940	
1946	3,349,424	50,199		50,199	50,199		50,199	1,922,139	
Totals		2,396,586	¹ 474,447	1,922,139	1,879,271	42,868	1,922,139		
Collected				1,922,139					
Uncollected				0					

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1916	\$5,442	\$5,352	1915, Oct. 8 and Oct. 9. Public notice for Lake Shore and Spanish Fork Units.
1917	15,810	14,500	Construction charge \$90 for 2 acre-feet, payable in 20 graduated annual installments.
1918	17,834	18,205	
1919	25,306	24,291	1916, May 13. Public notice for Highline Unit. Construction charge \$80 per acre, payable in 20 graduated annual installments.
1920	33,249	32,292	1920, Apr. 26. Public notice increasing construction charge for Lake Shore and Spanish Fork Units for lands not applied for to \$108 for 2 acre-feet and for the Highline Unit to \$100 per acre.
1921	55,660	51,452	1926, Sept. 28. Contract with Strawberry Water Users' Association. Association assumes obligation under individual water-right applications. Delinquent Operation and Maintenance charges and penalties funded with construction.
1922	70,062	52,388	1940, Oct. 9. Contract with Strawberry Water Users' Association extending repayment period to 40 years.
1923	53,774	50,860	
1924	42,087	32,798	
1925	41,031	25,271	
1926	41,765	34,616	
1927	¹ 24,261	30,917	
1928	¹ 1,086	3,679	
1929	54	106	
1930	94	94	
1931	60	60	
Total	376,881	376,881	

¹ Decrease. Decreases are due to cancellation of water-right applications, funding of delinquent charges, and deferments under relief acts.

This project is on a 40-year repayment basis. Operation and maintenance of project turned over to the association in 1927.

Repayment of Construction Investment

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$3,349,424
	Due to June 30—1946	1,922,139
	1947	53,851
	1948	55,091
	1949	54,941
	1950	54,559
	1951	53,887
	1952	53,714
	1953	53,495
	1954	53,208
	1955	52,662
	1956	52,204
	1957	51,479
	1958	50,798
	1959	50,275
	1960	49,846
	1961	48,744
	1962	46,949
	1963	46,365
	1964	45,896
	1965	45,292
	1966	33,516
	1967	30,785
	1968	30,359
	1969	30,029
	1970	29,315
	1971	28,279
	1972	23,098
	1973	22,591
	1974	21,190
	1975	19,377
	1976	18,600
	1977	17,761
	1978	16,379
	1979	14,990
	1980	14,017
	1981	13,198
	1982	12,096
	1983	11,120
	1984	10,015
	1985	8,959
	1986	8,178
	1987	6,895
	1988	5,841
	1989	4,647
	1990	3,959
	1991	2,973
	1992	2,181
	1993	1,616
	1994	1,518
	1995	1,345
	1996	1,145
	1997	963
	1998	913
	1999	844
	2000	769

	Fiscal year	Amount
	Due to June 30—2001	\$718
	2002	694
	2003	685
	2004	636
	2005	380
	2006	290
	2007	220
	2008	209
	2009	199
	2010	139
	2011	104
	2012	102
	2013	89
	2014	67
	2015	36

¹ Average of 1939-44 crop returns used in estimating repayment 1947 through 2015.

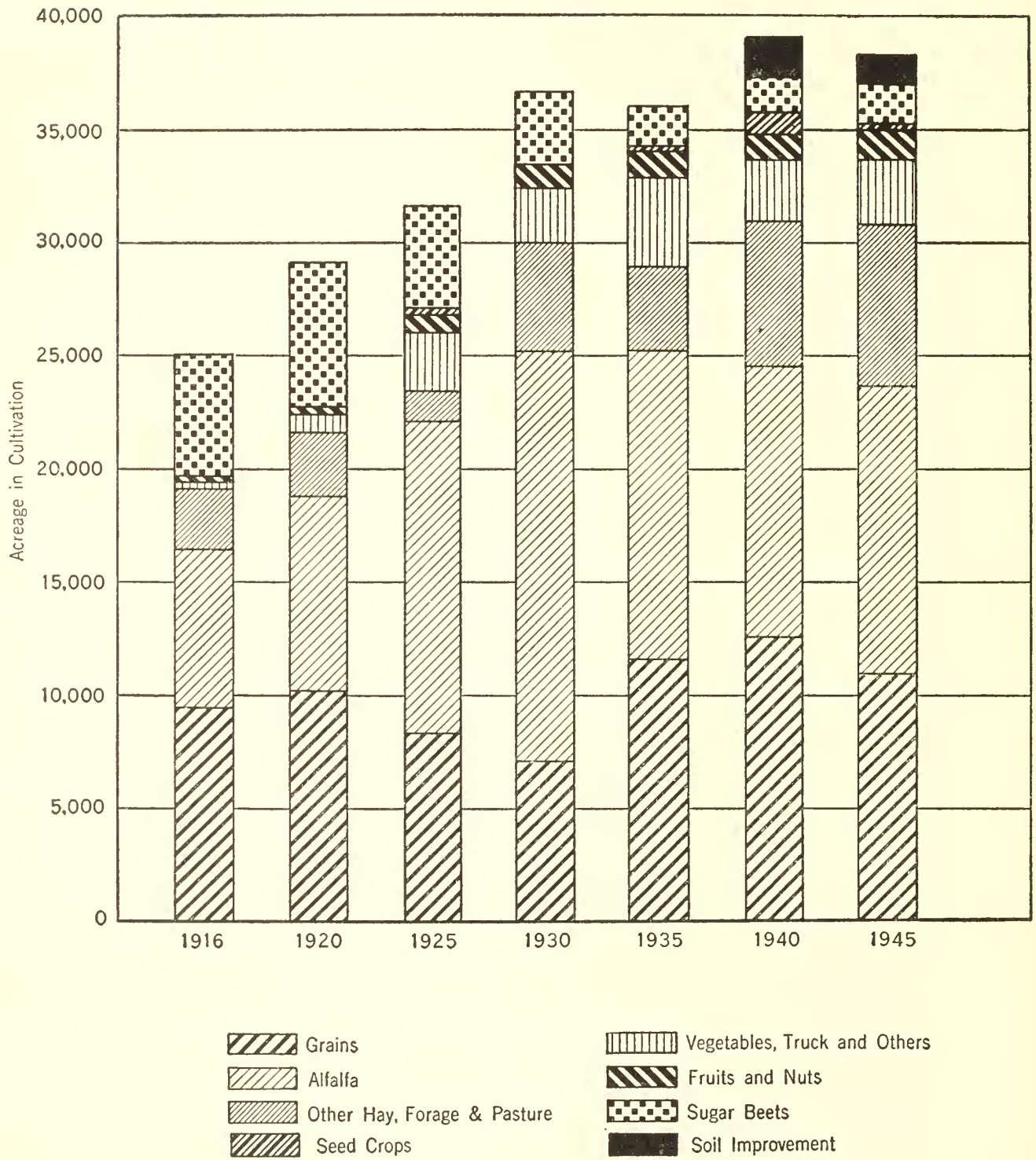
Contractor: Strawberry Water Users Association.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1916	25,066	\$1,320,135	\$52.67
1917	25,620	1,290,745	50.38
1918	29,788	1,642,327	55.13
1919	29,255	1,973,059	67.44
1920	29,250	1,945,900	66.53
1921	31,380	1,020,590	32.52
1922	30,340	892,550	29.42
1923	31,020	1,414,460	45.60
1924	41,040	1,519,160	37.02
1925	31,761	1,365,286	42.99
1926	30,300	741,800	24.48
1927	31,490	877,290	27.86
1928	38,850	1,202,115	30.94
1929	38,495	1,305,440	33.91
1930	36,798	1,059,500	28.79
1931	36,608	837,180	22.87
1932	37,232	646,050	17.35
1933	37,838	725,856	19.18
1934	34,003	524,003	15.41
1935	36,067	836,827	23.20
1936	36,132	837,941	23.19
1937	39,309	877,245	22.32
1938	39,370	932,527	23.69
1939	38,577	871,611	22.59
1940	39,120	821,045	20.99
1941	38,833	1,040,228	26.79
1942	39,162	1,579,934	40.34
1943	39,782	2,418,899	60.80
1944	39,751	2,166,984	54.51
1945	38,381	2,618,723	68.23

¹ Includes Government benefit payments.

See footnote at end of table.

STRAWBERRY VALLEY PROJECT, UTAH CROP HISTORY



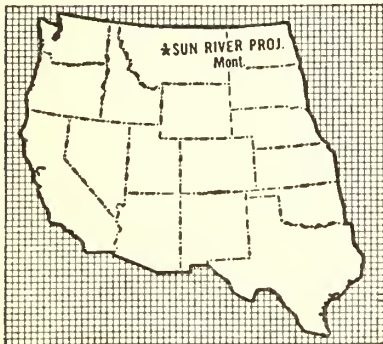
Water Service Commenced in 1915

Sun River Project

Montana . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Fort Shaw Division.—The Fort Shaw Division was constructed in 1906, and repayments commenced in 1908, under individual water-right applications. These accounts

were later assumed by the Fort Shaw Irrigation District, and the district is now repaying on the 5 percent crop repayment plan authorized by the act of December 5, 1924.

The total obligation of the district at the present time is \$475,840. As of June 30, 1946, \$274,759, or 58 percent, had become due and had been paid the United States.

A total of \$159,087 was collected from the water users for operation and maintenance prior to transfer to the district for operation. An

additional \$2,813 has been collected for water rentals.

The irrigation system is operated by the Fort Shaw Irrigation District.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$555,912
Operation and maintenance funded.....	45,842
Penalties funded.....	12,049
Total.....	613,803
Less construction revenues.....	4,500
Total.....	609,303
Less charge-off, act of May 26, 1926.....	89,214
Net.....	520,089
Adjustment to be made.....	¹ 44,249
Total.....	475,840

¹ Decrease. Decrease covers cancellation of water-right applications and funding of delinquent charges.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1908		\$1,398		\$1,398	\$1,104		\$1,104	\$1,104	
1909		15,668		15,668	14,760		14,760	15,864	
1910		11,996		11,996	10,522		10,522	26,386	
1911		55,425		55,425	9,794		9,794	36,180	
1912		23,001		23,001	1,845	\$24,976	26,821	63,001	
1913		37,045	¹ \$3,831	33,214	7,876	13,123	20,999	84,000	
1914		28,543	¹ 10,295	18,248	999	4,255	5,254	89,254	
1915	\$339,666	7,795	¹ 71,646	¹ 63,851	7,079	¹ 3,181	3,898	93,152	1915. Reclamation Extension Act, Aug. 13, 1914.
1916	357,244	5,724	¹ 417	5,307	4,500	¹ 59	4,441	97,593	
1917	380,643			5,378			5,063	102,656	
1918	400,428			6,963			6,629	109,285	
1919	395,799	36,641		2,582	32,328		2,666	111,951	
1920	415,582			10,348			11,003	122,954	
1921	424,986			11,370			6,967	129,921	
1922	427,698	11,823	¹ 77	11,746	4,608	1,334	5,942	135,863	
1923	423,127	12,065	¹ 501	11,564	3,798	1,336	5,134	140,997	
1924	409,951	12,732	¹ 6,511	6,221	5,505	2,084	7,589	148,586	
1925	422,423	15,680	¹ 1,928	13,752	5,985	1,949	7,934	156,520	
1926	416,964	15,144	¹ 129	15,015	4,894	4,646	9,540	166,060	
1927	457,263	13,701	¹ 33,691	¹ 19,990	10,153	¹ 4,266	5,887	171,947	1927. Adjustment under 1926 contract.
1928	462,982	5,570	¹ 2,945	2,625	5,199	265	5,464	177,411	
1929	478,030	7,419	¹ 56	7,363	6,866	514	7,380	184,791	
1930	478,030	8,913		8,913	8,365	54	8,419	193,210	
1931	477,702	7,900		7,900	7,271	879	8,150	201,360	
1932	476,051	1,906		1,906	1,047	550	1,597	202,957	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$2,621; 1932, \$5,728; 1933, \$5,778; 1934, \$6,042; 1935, \$6,020; 1936, \$2,556.
1933	478,219	1,265	2,441	3,706	1,001	3,397	4,398	207,355	
1934	475,087	1,327		1,327	1,327	413	1,740	209,095	
1935	475,839	9,815		9,815	9,719		9,719	218,814	
1936	475,436	1,510		1,510	841	96	937	219,751	
1937	475,437	4,475		4,475	1,078	17	1,095	220,846	
1938	475,437	6,329		6,329	2,844	4,221	7,065	227,911	
1939	475,125	6,293		6,293	2,940	3,313	6,253	234,164	
1940	472,744	6,223	¹ 1,151	5,072	2,957	2,182	5,139	239,303	
1941	475,840	4,001		4,001	3,990	3,209	7,199	246,502	
1942	475,840	5,598		5,598	5,580	56	5,636	252,138	
1943	475,840	5,239		5,239	5,221	50	5,271	257,409	
1944	475,840	5,535		5,535	5,535	18	5,553	262,962	
1945	475,840	5,807		5,807	5,807		5,807	268,769	
1946	475,840	5,990		5,990	5,990		5,990	274,759	
Total		405,496	¹ 130,737	274,759	209,328	65,431	274,759		
Collected				274,759					
Uncollected				0					

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1908	\$233	\$184	1908, Mar. 26. Public notice. Construction charge \$30 per acre, payable in 10 equal annual installments.
1909	2,900	2,460	
1910	1,711	1,754	
1911	8,155	3,977	
1912	10,326	4,300	1912, Mar. 2, Public notice. Construction charge increased to \$36, payable in 10 graduated annual installments.
1913	10,685	7,990	
1914	6,784	12,905	
1915	¹ 5,529	1,281	1926, Nov. 10. Contract with Fort Shaw Irrigation District. District assumes obligations under individual water-right applications. Delinquent charges and penalties funded. Repayment to be on crop production basis, annual installment to be 5 percent of average gross acre income for 10 years preceding.
1916	8,455	6,767	
1917	9,359	7,601	
1918	11,249	10,916	
1919	17,064	15,374	
1920	20,960	20,139	
1921	20,425	13,154	
1922	26,706	8,561	
1923	13,432	8,126	
1924	¹ 4,068	9,634	
1925	11,567	8,157	
1926	11,028	9,080	
1927	¹ 21,230	3,723	

See footnote at end of table.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1928	¹ \$2,889	\$1,165	
1929	831	906	
1930	817	635	
1931	220	220	
1932	150	182	
1933	¹ 41	¹ 73	
1934	¹ 182	0	
1935			
1936			
1937			
1938			
1939			
1940	¹ 31	¹ 31	
Total	159,087	159,087	

¹ Decrease. Decreases cover cancellation of water-right applications and funding of delinquent charges.

This division is on a crop repayment basis.

This division has been turned over to the water users to operate and maintain since Dec. 31, 1926.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation:		
Paying lands		\$365,524
Suspended lands (temporarily unproductive)		110,316
Total amount repayable		475,840
	Due to June 30—	
	1946	² 269,888
	1947	7,001
	1948	7,001
	1949	7,001
	1950	7,001
	1951	6,149
	1952	5,876
	1953	5,876
	1954	5,865
	1955	5,643
	1956	5,643
	1957	5,643
	1958	5,643
	1959	4,697
	1960	3,259
	1961	3,259
	1962	3,259
	1963	3,259
	1964	1,211
	1965	370
	1966	370
	1967	370
	1968	370
	1969	370
	1970	370
	1971	130

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1910 ²	4,000	\$30,000	\$7.50
1911 ²	6,892	102,816	14.92
1912	6,824	84,092	12.32
1913	6,807	105,564	15.51
1914	6,560	106,594	16.25
1915	6,665	115,129	17.27
1916	6,425	118,990	18.52
1917	7,445	219,130	29.43
1918	7,832	245,852	31.39
1919	8,292	348,820	42.07
1920	8,400	181,600	21.62
1921	8,700	117,440	13.50
1922	7,470	114,840	15.37
1923	8,130	102,990	12.67
1924	8,140	111,460	13.69
1925	7,778	165,560	21.29
1926	7,160	142,390	19.89
1927	6,730	118,310	17.58
1928	6,931	111,919	16.15
1929	7,040	153,247	21.77
1930	7,312	133,820	18.30
1931	7,410	101,794	13.74
1932	7,410	57,433	7.75
1933	7,416	87,857	11.85
1934	7,445	128,152	17.21
1935	7,707	131,307	17.04
1936	7,929	166,913	21.05
1937	7,753	122,141	15.75
1938	8,074	98,188	12.16
1939	8,311	96,721	11.64
1940	8,404	115,982	13.80
1941	8,162	133,075	16.30
1942	8,035	164,122	20.43
1943	8,278	217,100	26.23
1944	8,285	222,187	26.82
1945	8,301	183,934	22.16

¹ Includes Government benefit payments.

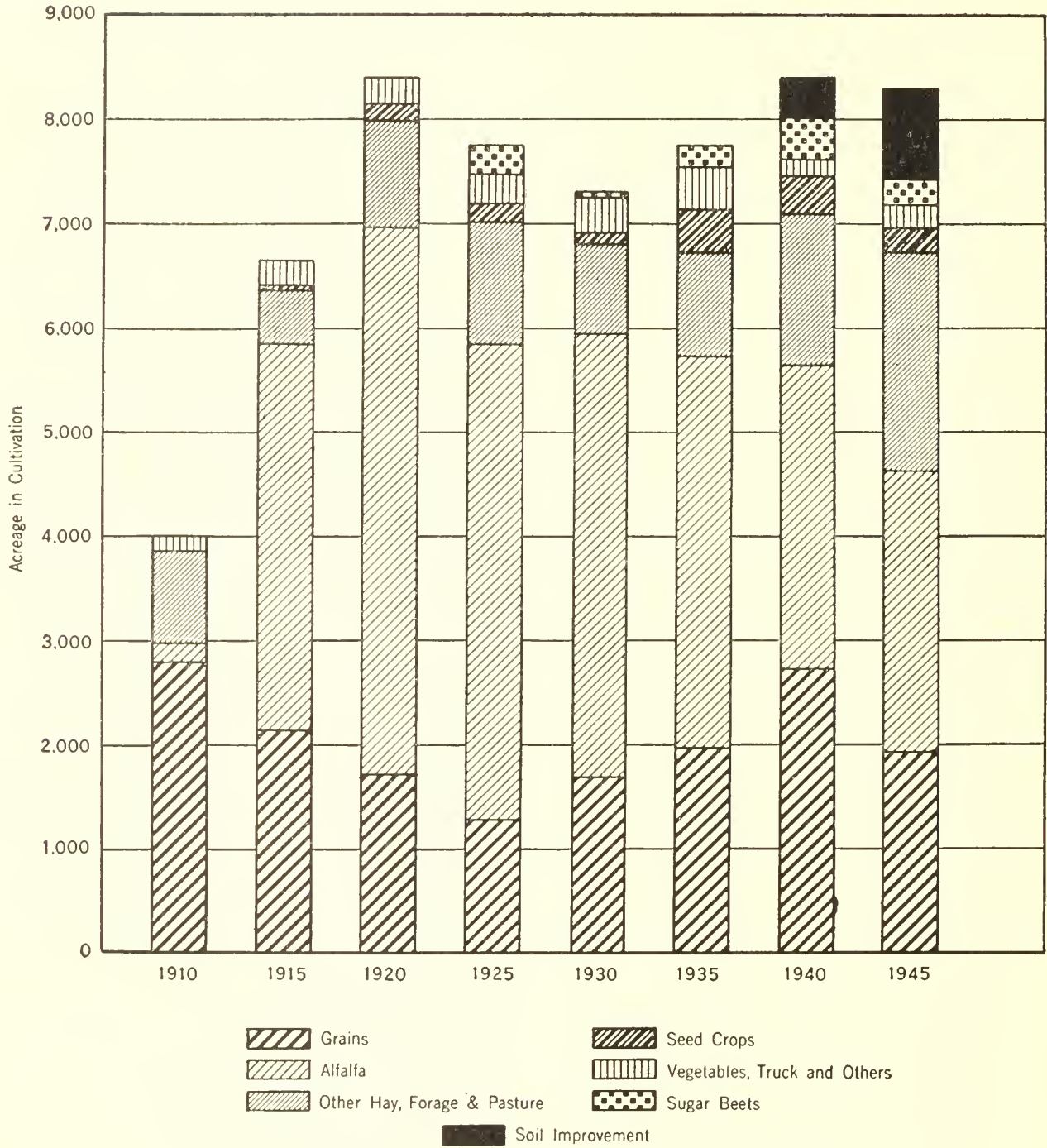
² Estimated.

¹ Average of 1939-44 crop returns used in estimating repayment 1947 through 1971.

² \$4,871 paid in addition on suspended lands.

Contractor: Fort Shaw Irrigation District.

SUN RIVER PROJECT, MONTANA FORT SHAW DIVISION CROP HISTORY



Water Service Commenced in 1909

*Greenfields
Division*

In 1926 the Greenfields Irrigation District contracted to repay a total of \$9,597,449 to the United States on the 5 percent crop repayment plan authorized by the act of December 5, 1924.

Repayments commenced in 1937 in accordance with the contract, following substantial settlement of the project lands. On June 30, 1946, a total of \$341,392 had become due and had been paid.

The irrigation system for the Greenfields Division is operated and maintained by the Greenfields Irrigation District.

A total of \$129,406 was collected from the water users in water rental charges prior to commence-

ment of construction charges and transfer of the system to the district for operation.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$9,299,905
Operation and maintenance funded.....	45,247
Total.....	9,345,152
Less construction revenues.....	146,793
Net.....	9,198,359
Future work.....	399,090
Total.....	9,597,449

Construction Repayments

Fiscal year	Total obligations of water users to repay	Accruals			Collections			Grand total collection
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1927.....	\$9,521,577							
1928.....	9,534,807							
1929.....	9,534,807							
1930.....	9,534,807							
1931.....	9,534,807							
1932.....	9,567,184							
1933.....	9,567,184							
1934.....	9,567,184							
1935.....	9,566,996							
1936.....	9,566,996							
1937.....	9,594,333	\$54,706		\$54,706	\$50,375		\$50,375	\$50,375
1938.....	9,593,034	26,100		26,100	26,100	\$4,331	30,431	80,806
1939.....	9,593,034	27,229		27,229	22,627		22,627	103,433
1940.....	9,593,034	27,293		27,293	16,486	4,602	21,088	124,521
1941.....	9,593,034	13,508		13,508	13,508	10,807	24,315	148,836
1942.....	9,597,449	32,777		32,777	32,777		32,777	181,613
1943.....	9,597,449	31,133		31,133	31,133		31,133	212,746
1944.....	9,597,449	35,583		35,583	35,583		35,583	248,329
1945.....	9,597,449	42,079		42,079	42,079		42,079	290,408
1946.....	9,597,449	50,984		50,984	50,984		50,984	341,392
Total.....		341,392		341,392	321,652	19,740	341,392	
Collected.....				341,392				
Uncollected.....				0				

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1927.....			1926, June 22. Contract with Greenfields Irrigation District to repay construction cost of irrigation system for the Greenfields division. Repayment on crop production basis, annual installments to be 5 percent of average gross acre income for 10 preceding years.
1928.....			
1929.....			
1930.....			
1931.....			
1932.....	\$4,800	\$4,800	
1933.....	2,400	2,400	
1934.....	0	0	
1935.....	2,400	2,400	
Total.....	19,600	9,600	

¹ District operates and maintains irrigation system. Above charges for supervisory service. This division is on a crop repayment basis. Operation and maintenance by the Greenfields Irrigation District since 1931.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount	Fiscal year	Amount
Contract obligation-----				\$9, 597, 449
	Due to June 30—1946-----	\$341, 392	2002	84, 630
	1947-----	84, 630	2003	84, 630
	1948-----	84, 630	2004	84, 630
	1949-----	84, 630	2005	84, 630
	1950-----	84, 630	2006	84, 630
	1951-----	84, 630	2007	84, 630
	1952-----	84, 630	2008	84, 630
	1953-----	84, 630	2009	84, 630
	1954-----	84, 630	2010	84, 630
	1955-----	84, 630	2011	84, 630
	1956-----	84, 630	2012	84, 630
	1957-----	84, 630	2013	84, 630
	1958-----	84, 630	2014	84, 630
	1959-----	84, 630	2015	84, 630
	1960-----	84, 630	2016	84, 630
	1961-----	84, 630	2017	84, 630
	1962-----	84, 630	2018	84, 630
	1963-----	84, 630	2019	84, 630
	1964-----	84, 630	2020	84, 630
	1965-----	84, 630	2021	84, 630
	1966-----	84, 630	2022	84, 630
	1967-----	84, 630	2023	84, 630
	1968-----	84, 630	2024	84, 630
	1969-----	84, 630	2025	84, 630
	1970-----	84, 630	2026	84, 630
	1971-----	84, 630	2027	84, 630
	1972-----	84, 630	2028	84, 630
	1973-----	84, 630	2029	84, 630
	1974-----	84, 630	2030	84, 630
	1975-----	84, 630	2031	84, 630
	1976-----	84, 630	2032	84, 630
	1977-----	84, 630	2033	84, 630
	1978-----	84, 630	2034	84, 630
	1979-----	84, 630	2035	84, 630
	1980-----	84, 630	2036	84, 630
	1981-----	84, 630	2037	84, 630
	1982-----	84, 630	2038	84, 630
	1983-----	84, 630	2039	84, 630
	1984-----	84, 630	2040	84, 630
	1985-----	84, 630	2041	84, 630
	1986-----	84, 630	2042	84, 630
	1987-----	84, 630	2043	84, 630
	1988-----	84, 630	2044	84, 630
	1989-----	84, 630	2045	84, 630
	1990-----	84, 630	2046	84, 630
	1991-----	84, 630	2047	84, 630
	1992-----	84, 630	2048	84, 630
	1993-----	84, 630	2049	84, 630
	1994-----	84, 630	2050	84, 630
	1995-----	84, 630	2051	84, 630
	1996-----	84, 630	2052	84, 630
	1997-----	84, 630	2053	84, 630
	1998-----	84, 630	2054	84, 630
	1999-----	84, 630	2055	84, 630
	2000-----	84, 630	2056	31, 387
	2001-----	84, 630		

¹ Average of 1939-44 crop returns used in estimating repayment 1947 through 2056.

Contractor: Greenfields Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1919	2,902	\$23,816	\$8.21
1920	7,950	112,000	14.09
1921	12,390	172,940	13.96
1922	15,800	265,850	16.83
1923	20,250	250,180	12.35
1924	22,450	290,230	12.93
1925	19,266	368,495	19.13
1926	21,740	410,040	18.86
1927	14,520	184,245	12.69
1928	17,870	276,290	15.46
1929	20,360	273,670	13.44
1930	25,962	309,098	11.91
1931	27,806	248,640	8.94
1932	31,715	145,255	4.58

See footnote at end of table.

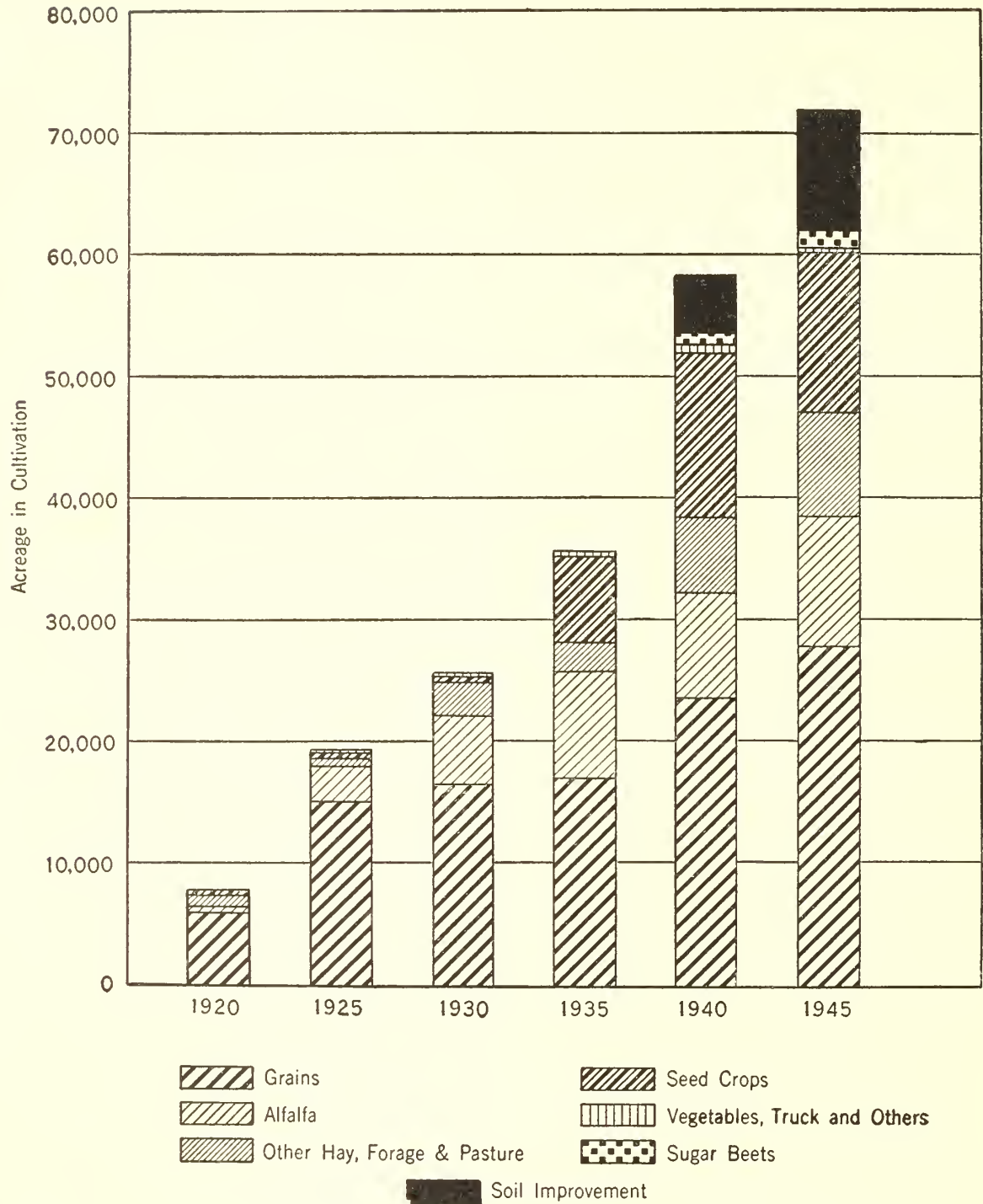
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1933	34,611	\$218,793	\$6.32
1934	32,230	554,081	17.19
1935	35,676	644,790	18.07
1936	45,590	610,648	13.39
1937	47,114	602,810	12.79
1938	50,594	574,643	11.36
1939	52,345	591,927	11.31
1940	58,241	704,033	12.09
1941	69,069	984,456	14.25
1942	69,051	1,476,608	21.38
1943	68,875	1,589,733	23.08
1944	70,416	1,700,709	24.15
1945	72,184	1,560,487	21.62

¹ Includes Government benefit payments.

SUN RIVER PROJECT, MONTANA

GREENFIELDS DIVISION

CROP HISTORY



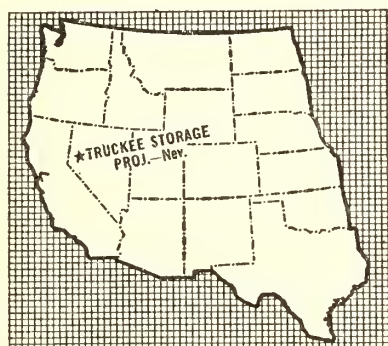
Water Service Commenced in 1920

Truckee Storage Project

Nevada . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The United States constructed Boca Dam and Reservoir for the benefit of lands in the Washoe County Water Conservation District, at a total cost of \$1,103,255. The act of May 29, 1941

(55 Stat. 210), established a limitation of \$1,000,000 as the repayment obligation of the district. The excess cost remains a loss to the Reclamation Fund. Repayments commenced in 1943. To

June 30, 1946, a total of \$75,340 had become due and had all been paid to the United States.

Boca Dam and Reservoir, as well as the irrigation system, are operated and maintained by the district.

Determination of repayment obligation as of June 30, 1946:

Cost	\$1, 103, 255
Less construction revenues and contributed funds	21, 998
Net	1, 081, 257
Adjustment to be made	81, 257
Total	1, 000, 000

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1937	\$1,000,000							
1938	1,000,000							
1939	1,000,000							
1940	1,000,000							
1941	1,000,000							
1942	1,000,000							
1943	1,000,000	\$340		\$340	\$340		\$340	\$340
1944	1,000,000	25,000		25,000	25,000		25,000	25,340
1945	1,000,000	25,000		25,000	25,000		25,000	50,340
1946	1,000,000	25,000		25,000	25,000		25,000	75,340
Total		75,340		75,340	75,340		75,340	
Collected				75,340				
Uncollected				0				

This project is on a 40-year repayment basis.
Operation and maintenance by the Washoe County Water Conservation District.

Contract

1936, Dec. 18. Contract with Washoe County Water Conservation District for repayment of construction cost of Boca Reservoir payable in 40 equal annual installments.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$1,000,000
Due to June 30—1946		75,340
1947		25,000
1948		25,000
1949		25,000
1950		25,000
1951		25,000
1952		25,000
1953		25,000
1954		25,000
1955		25,000
1956		25,000
1957		25,000
1958		25,000
1959		25,000
1960		25,000
1961		25,000
1962		25,000
1963		25,000
1964		25,000
1965		25,000
1966		25,000
1967		25,000
1968		25,000
1969		25,000
1970		25,000

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE

	Fiscal year	Amount
Due to June 30—1971		\$25,000
1972		25,000
1973		25,000
1974		25,000
1975		25,000
1976		25,000
1977		25,000
1978		25,000
1979		25,000
1980		25,000
1981		25,000
1982		25,000
1983		24,660

Contractor: Washoe County Water Conservation District.

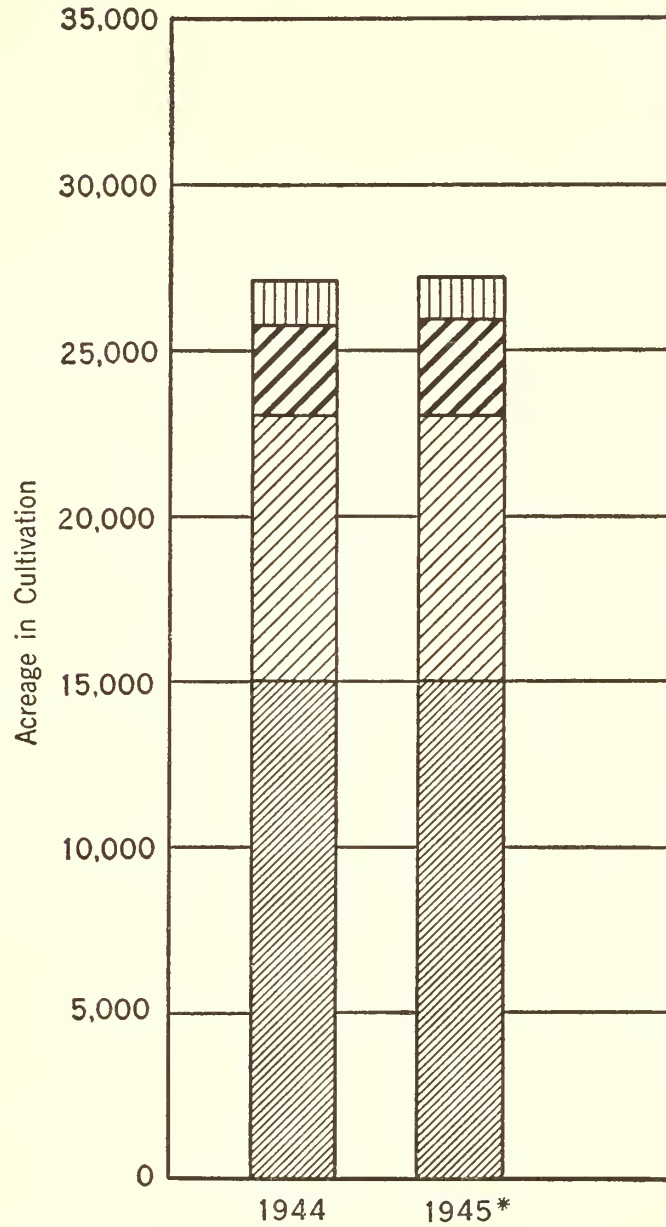
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1944	27,179	\$1,515,324	\$55.75
1945 ²	27,200	1,307,000	48.05

¹ Includes Government benefit payments.

² Estimated. No final report received.

TRUCKEE STORAGE PROJECT, NEVADA

CROP HISTORY



Other Hay, Forage & Pasture Grains
Alfalfa Vegetables, Truck and Others

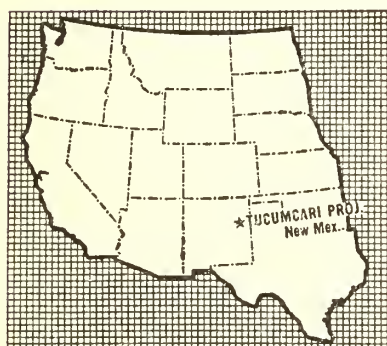
Water Service Commenced in 1941
* Estimated - No final data received

Tucumcari Project

New Mexico . . .

. . . Region V

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

A contract between the United States and the Arch Hurley Conservancy District covers the repayment by the district of \$5,655,000 for the construction of irrigation facilities for the

Tucumcari project. Repayment will be made in a 40-year period.

The estimated total cost of the project is \$14,852,000, based on 1945 costs. Contract dated December 27, 1938, with the Arch Hurley Conservancy District, limits the water users to repay only \$5,655,000, a part of which has been expended from the Reclamation Fund. Congress has appropriated the following sums for the construction of the project:

Reclamation fund	\$4, 238, 000
General fund (reimbursable)	6, 950, 000
PWA (allocation) (nonreimbursable)	2, 500, 000

Construction work is in progress and water service, available to about 7,000 acres in the first unit of the project, was initiated in the 1946 season. By public notice dated February 21, 1946, the Arch Hurley Conservancy District was notified of the availability of water and announcement was made of the water rental charges for the 1946 season.

The project is operated and maintained by the United States.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$5, 655, 000
	1949	141, 375
	1950	141, 375
	1951	141, 375
	1952	141, 375
	1953	141, 375
	1954	141, 375
	1955	141, 375
	1956	141, 375
	1957	141, 375
	1958	141, 375
	1959	141, 375
	1960	141, 375
	1961	141, 375
	1962	141, 375
	1963	141, 375

See footnote at end of table.

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	1964	\$141,375
	1965	141,375
	1966	141,375
	1967	141,375
	1968	141,375
	1969	141,375
	1970	141,375
	1971	141,375
	1972	141,375
	1973	141,375
	1974	141,375
	1975	141,375
	1976	141,375
	1977	141,375

See footnote at end of table.

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	1978	\$141,375
	1979	141,375
	1980	141,375
	1981	141,375
	1982	141,375
	1983	141,375
	1984	141,375
	1985	141,375
	1986	141,375
	1987	141,375
	1988	141,375

¹ Scheduled on an assumed date for commencement of repayment.

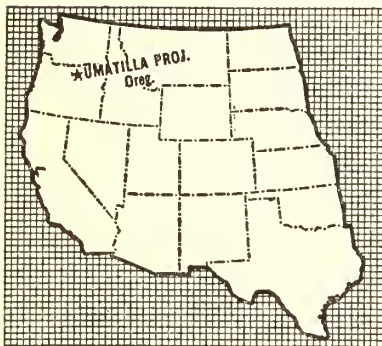
Contractor: Arch Hurley Conservancy District.

Umatilla Project

Oregon . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

East Division.—The Hermiston Irrigation District is obligated to repay \$1,362,019 on the construction cost of Cold Springs Dam and irrigation works. Repayments were commenced in 1908

and on June 30, 1946, a total of \$312,677 had been paid to the United States. A total of \$515,490 had become due at the end of fiscal year 1946. The District has made no construction repayments since 1931 and now owes \$202,813.

Operation and maintenance of the Division was transferred to the water users in 1927. Prior to the transfer, a total of \$275,069 was collected from the water users for operation and maintenance by the United States.

Scheduled for the fiscal year 1947 is an extensive

economic study of project problems and the repayment ability of the water users, with a view to negotiation of an amendatory repayment contract, and the resumption of payment of construction charges.

Determination of repayment obligation as of June 30, 1946:

Cost	\$2, 155, 284
Operation and maintenance funded	112, 965
Penalties funded	20, 385
	<hr/>
Total	2, 288, 634
Less construction revenues	16, 396
	<hr/>
Total	2, 272, 238
Less charge-off, act of May 26, 1926	863, 621
	<hr/>
Total	1, 408, 617
Adjustment to be made	46, 598
	<hr/>
Total	1, 362, 019

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1908		\$23,096		\$23,096	\$300		\$300	\$300	
1909		44,194		44,194	1,998		1,998	2,298	
1910		71,190		71,190	51,269		51,269	53,567	
1911		33,776		33,776	24,337	\$34,838	59,175	112,742	
1912		8,735	¹ \$14,996	¹ 6,261	4,896	35,945	40,841	153,583	
1913		72,673	50,396	123,069	2,702	19,599	22,301	175,884	
1914		70,980	¹ 52,401	18,579	1,730	¹ 20,121	¹ 18,391	157,493	
1915	\$902,079	18,233	¹ 138,956	¹ 120,723	9,412	373	9,785	167,278	Reclamation Extension Act, Aug. 13, 1914.
1916	874,764	15,805	¹ 8,148	7,657	5,863	2,153	8,016	175,294	
1917	955,038			15,273			18,030	193,324	
1918	991,943			10,200			8,685	202,009	
1919	990,777			13,164			18,419	220,428	
1920	1,010,626			25,390			25,918	246,346	
1921	950,514	280,465		34,476	153,759		19,668	266,014	
1922	² 1,967,154			¹ 4,490				1,107	267,121
1923	1,978,214			43,743				40,890	308,011
1924	1,978,214			46,292				11,966	319,977
1925	1,978,214			48,076				6,269	326,246
1926	1,978,214			48,341				2,807	329,053
1927	1,978,214	11,713	¹ 145,989	¹ 134,276	422		422	329,475	
1928	1,978,214	22,574		22,574	5,793	11,587	17,380	346,855	
1929	³ 1,363,706	20,864	¹ 61,534	¹ 40,670	388	¹ 50,340	¹ 49,952	296,903	
1930	1,362,019	20,432		20,432	245	7,369	7,614	304,517	
1931	1,362,019	16,838		16,838	199	5,528	5,727	310,244	
1932	1,362,019	15,336		15,336	353	200	553	310,797	
1933	1,362,019	14,048		14,048	330	130	460	311,257	
1934	1,362,019	12,961		12,961	204		204	311,461	
1935	1,362,019	11,874		11,874	176	131	307	311,768	
1936	1,362,019	11,059		11,059	147	131	278	312,046	
1937	1,362,019	10,402		10,402	133	18	151	312,197	
1938	1,362,019	10,112	¹ 4,944	5,168	65		65	312,262	
1939	1,362,019	9,888	¹ 4,944	4,944	62		62	312,324	
1940	1,362,019	9,888		9,888	115		115	312,439	
1941	1,362,019	9,616		9,616	88		88	312,527	
1942	1,362,019	9,072		9,072	45		45	312,572	
1943	1,362,019	9,072		9,072	23		23	312,595	
1944	1,362,019	9,616		9,616	25		25	312,620	
1945	1,362,019	10,703		10,703	28		28	312,648	
1946	1,362,019	11,791		11,791	29		29	312,677	
Total		897,006	¹ 381,516	515,490	265,136	47,541	312,677		
Collected				312,677					
Uncollected				202,813					

Reclamation Extension Act, Aug. 13, 1914.

Adjustment under 1926 contract.

1937 construction charge, \$9,888, deferred under Act of Aug. 21, 1937.

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1908	\$3,849	\$50	1907, Dec. 27. Public notice. Construction charge \$60 per acre, payable in 10 equal annual installments.
1909	8,684	3,574	1912, Mar. 2. Public notice. Construction charge increased to \$70, payable in 10 graduated annual installments.
1910	11,797	9,699	1915 to 1920. Various public notices were issued covering supplemental construction of pipe lines at rates ranging from \$7.50 to \$40 per acre. Some payable concurrently with original construction charges and some after.
1911	5,645	12,586	1921, May 31. Contract with Hermiston Irrigation District. District assumes obligations under individual water-right applications and for operation and maintenance deficit. Additional supplemental construction to be done at estimated cost of \$780,000, payable after original construction has been accrued.
1912	18,789	15,627	1926, June 23. Contract with Hermiston Irrigation District. Repayment charged to crop production basis. Delinquent charges and penalties funded with construction.
1913	17,947	5,252	
1914	8,161	4,989	
1915	¹ 1,746	6,328	
1916	11,631	11,159	
1917	17,549	16,211	
1918	17,920	17,535	
1919	20,104	20,259	
1920	30,138	27,838	
1921	35,492	25,828	
1922	¹ 467	10,885	
1923	16,084	18,045	
1924	32,006	28,026	
1925	30,634	12,551	
1926	30,203	412	
1927	¹ 67,374	143	
1928	6,213	0	
1929	21,753	28,023	
1930	57	57	
Total	275,069	275,069	

¹ Decrease. Decreases cover cancellations of water-right applications and funding of delinquent charges.

² Obligation increased due to provisions of 1921 contract.

³ Obligation reduced due to provisions of 1926 contract.

This division is on a crop production basis of repayment.

Operation and maintenance of this division turned over to the water users in 1927.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount	Fiscal year	Amount
Contract obligation:				
Paying lands				\$1, 276, 116
Suspended lands (temporarily unproductive) ²				85, 903
Total amount repayable				1, 362, 019
	Due to June 30—1946	\$312, 677	2003	5, 855
	Uncollected June 30—1946	³ 202, 813	2004	5, 587
	1947	14, 076	2005	5, 381
	1948	14, 076	2006	5, 261
	1949	14, 076	2007	5, 095
	1950	14, 076	2008	4, 942
	1951	14, 076	2009	4, 640
	1952	14, 076	2010	4, 478
	1953	14, 059	2011	4, 238
	1954	14, 027	2012	3, 979
	1955	14, 027	2013	3, 866
	1956	14, 027	2014	3, 622
	1957	14, 024	2015	3, 453
	1958	14, 018	2016	3, 380
	1959	14, 018	2017	3, 161
	1960	14, 013	2018	2, 942
	1961	14, 002	2019	2, 726
	1962	13, 965	2020	2, 453
	1963	13, 797	2021	2, 327
	1964	13, 778	2022	2, 213
	1965	13, 655	2023	1, 911
	1966	13, 628	2024	1, 640
	1967	13, 530	2025	1, 502
	1968	13, 483	2026	1, 323
	1969	13, 459	2027	1, 130
	1970	13, 436	2028	1, 109
	1971	13, 403	2029	955
	1972	13, 303	2030	881
	1973	13, 211	2031	879
	1974	13, 188	2032	879
	1975	13, 151	2033	861
	1976	12, 965	2034	814
	1977	12, 868	2035	713
	1978	12, 785	2036	713
	1979	12, 613	2037	613
	1980	12, 546	2038	600
	1981	12, 463	2039	570
	1982	12, 123	2040	494
	1983	11, 712	2041	459
	1984	11, 168	2042	453
	1985	11, 000	2043	146
	1986	10, 858	2044	146
	1987	10, 211	2045	146
	1988	9, 980	2046	146
	1989	9, 729	2047	146
	1990	9, 392	2048	124
	1991	9, 335	2049	124
	1992	8, 677	2050	124
	1993	8, 215	2051	124
	1994	7, 901	2052	124
	1995	7, 741	2053	62
	1996	7, 527	2054	62
	1997	7, 047	2055	62
	1998	6, 864	2056	62
	1999	6, 552	2057	62
	2000	6, 516	2058	62
	2001	6, 314		
	2002	6, 046		

¹ Project is on crop repayment plan, act of Dec. 5, 1924. Average of 1939-44 crop returns used in estimating repayment 1947 through 2058.

² Lands considered temporarily unproductive on which charges are not currently assessed.

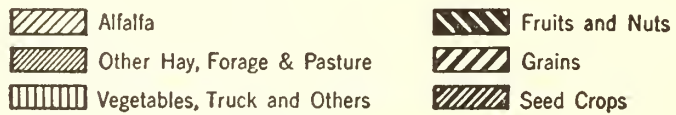
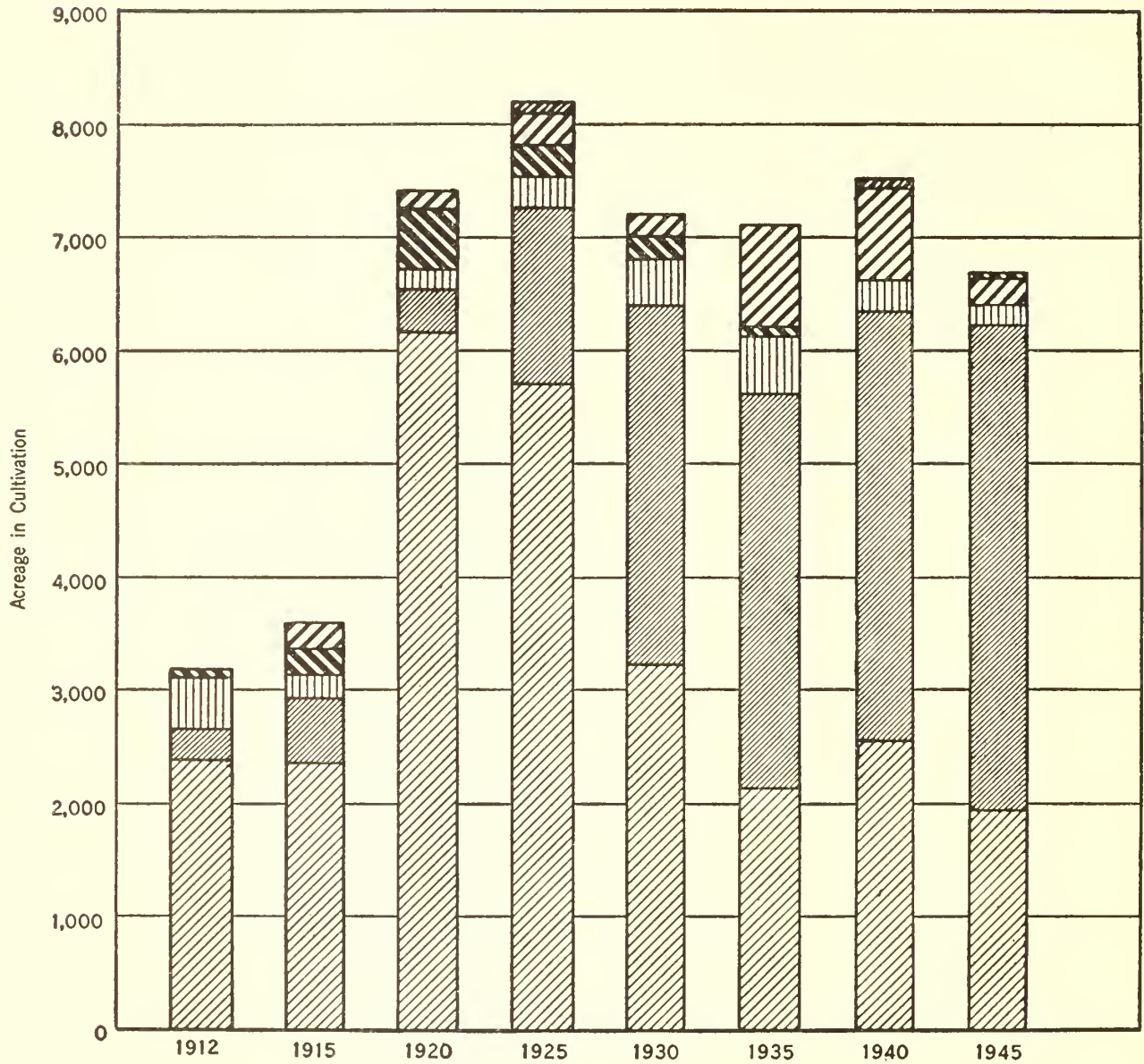
³ Uncollected charges will be scheduled for future payment under an adjustment contract to be negotiated with water users.

Contractor: Hermiston Irrigation District.

UMATILLA PROJECT, OREGON

EAST DIVISION

CROP HISTORY



Water Service Commenced in 1908

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1912	3, 218	\$77, 219	\$24. 00
1913	3, 033	84, 078	27. 72
1914	3, 013	88, 613	29. 41
1915	3, 603	104, 653	29. 05
1916	3, 900	139, 800	35. 85
1917	4, 800	270, 000	56. 25
1918	5, 500	339, 900	61. 80
1919	6, 400	486, 600	76. 03
1920	7, 400	376, 900	50. 93
1921	8, 200	236, 600	28. 85
1922	8, 500	310, 270	36. 50
1923	8, 300	270, 400	32. 58
1924	8, 400	204, 900	24. 39
1925	8, 200	205, 700	25. 09
1926	7, 640	173, 250	22. 68
1927	7, 116	127, 684	17. 94
1928	7, 124	140, 230	19. 68
1929	7, 440	177, 590	23. 87
1930	7, 214	160, 597	22. 26
1931	7, 222	104, 389	14. 45
1932	6, 579	87, 842	13. 35
1933	6, 956	108, 076	15. 54
1934	6, 523	119, 667	18. 35
1935	7, 107	113, 827	16. 02
1936	6, 709	133, 505	19. 90
1937	7, 038	146, 242	20. 78
1938	7, 084	121, 971	17. 22
1939	7, 430	128, 401	17. 28
1940	7, 569	115, 316	15. 24
1941	7, 241	135, 007	18. 64
1942	7, 362	197, 879	26. 88
1943	7, 666	266, 402	34. 75
1944	6, 473	244, 199	37. 73
1945	6, 693	322, 250	48. 15

¹Includes Government benefit payments.

West Division

The West Extension Irrigation District has assumed a contract debt to the United States of \$727,683 for the cost of the West Division. Repayments commenced in 1918 and to June 30, 1946, a total of \$221,647 had become due. Of this \$86,806 had been paid, leaving a balance of \$134,841 due and unpaid. The District has made no construction payments since 1931.

In this case, as well as the East Division of the

Umatilla project, the Bureau of Reclamation has scheduled for the 1947 fiscal year an analysis of the difficulties which have led to the nonpayment of the annual charges in recent years. Based on the findings as to repayment ability, it is expected an amendatory repayment contract will be negotiated under the provisions of the act of August 4, 1939, to schedule annual installments on a scale that the water users can meet.

The West Division of the Umatilla project was transferred to the district in 1927 for operation and maintenance. Prior to that time, a total of \$80,438 was collected from the water users for operation and maintenance by the United States.

Determination of repayment obligation as of June 30, 1946:

Cost	\$905, 077
Operation and maintenance funded	71, 566
Penalties funded	12, 687
<hr/>	
Total	989, 330
Less construction revenues	1, 855
<hr/>	
Total	987, 475
Less charge-off, Act of May 26, 1926	24, 720
<hr/>	
Total	962, 755
Adjustment to be made ¹	235, 072
<hr/>	
Total	727, 683

¹ Decrease. Decrease covers funding of delinquent charges.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1918	\$356, 289			\$12, 529			\$11, 607	\$11, 607	
1919	590, 679			8, 720			8, 094	19, 701	
1920	545, 342			9, 267	\$48, 738		8, 284	27, 985	
1921	719, 582			13, 872			415	28, 400	
1922	719, 949			8, 513			7, 494	35, 894	
1923	726, 860	\$21, 231	\$169	21, 400	322	\$12, 372	12, 694	48, 588	
1924	726, 860			29, 858			12, 844	61, 432	
1925	726, 860	163, 193		34, 365			0	61, 432	
1926	726, 860			46, 069			0	61, 432	
1927	726, 860	7, 645	¹ 122, 904	¹ 115, 259			0	61, 432	
1928	732, 073	13, 943		13, 943	3, 086	7, 378	10, 464	71, 896	
1929	732, 073	13, 358		13, 358	91	6, 023	6, 114	78, 010	
1930	732, 073	12, 907		12, 907		5, 478	5, 478	83, 488	
1931	732, 073	12, 202		12, 202		3, 103	3, 103	86, 591	
1932	732, 073	11, 318		11, 318			0	86, 591	
1933	732, 073	10, 596		10, 596			0	86, 591	
1934	732, 073	9, 337		9, 337			0	86, 591	
1935	732, 073	8, 056		8, 056			0	86, 591	
1936	732, 073	7, 340		7, 340			0	86, 591	
1937	732, 073	6, 629		6, 629			0	86, 591	
1938	732, 073	3, 209		3, 209			0	86, 591	
1939	732, 073	3, 102		3, 102			0	86, 591	
1940	732, 073	6, 024		6, 024			0	86, 591	
1941	732, 073	5, 673		5, 673			0	86, 591	
1942	732, 073	5, 342		5, 342			0	86, 591	
1943	732, 073	5, 176		5, 176			0	86, 591	
1944	732, 073	5, 973		5, 973	498		498	87, 089	
1945	732, 073	6, 072		6, 072			0	87, 089	
1946	727, 683	6, 056		6, 056		¹ 283	¹ 283	86, 806	
Total		344, 382	¹ 122, 735	221, 647	52, 735	34, 071	86, 806		
Collected				86, 806					
Uncollected				134, 841					

1937 construction charge, \$6, 311, deferred under act of Aug. 21, 1937.

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1918	\$4, 686	\$2, 729	1916, May 12. Public notice. Construction charge \$92 per acre, payable in 20 graduated annual installments.
1919	8, 041	5, 753	1917, Dec. 11. Public notice. Construction charge for lands having vested rights. Rates \$14 and \$20 per acre, payable in 10 equal annual installments.
1920	14, 370	12, 372	1919, May 24. Public notice. Construction charge for lands having vested rights. Rates from \$14 to \$33.10 per acre, payable in 10 equal annual installments.
1921	10, 409	4, 727	1920, Apr. 6. Contract with West Extension Irrigation District. District assumes obligations under individual water-right applications. Sum of \$90,000 to be expended for supplemental construction to be paid in 1938 and 1939.
1922	7, 935	4, 063	1926, Apr. 27. Contract with West Extension Irrigation District. Repayment charged to crop production basis, with annual installments 5 percent of average gross acre income for 10 preceding years. Delinquent charges and penalties funded with construction.
1923	12, 843	12, 699	
1924	10, 517	10, 938	
1925	10, 186	14, 906	
1926	9, 558	7, 591	
1927	¹ 7, 601	4, 631	
1928	¹ 510	25	
1929	4	4	
Total	80, 438	80, 438	

¹ Decrease. Decrease covers funding of delinquent charges.

This division is on a crop production basis of repayment. Operation and maintenance of this division turned over to water users in 1927.

Repayment of Construction Investment

PAY-OUT SCHEDULE¹

	Fiscal year	Amount	Fiscal year	Amount
Contract obligation:				
Paying lands-----				\$644, 996
Suspended lands (temporarily unproductive) ² -----				82, 687
Total amount repayable-----				727, 683
	Due to June 30, 1946-----	\$86, 806	1997	4, 031
	Uncollected June 30--1946-----	³ 134, 841	1998	3, 843
	1947-----	7, 801	1999	3, 667
	1948-----	8, 173	2000	3, 489
	1949-----	8, 150	2001	3, 312
	1950-----	8, 124	2002	3, 094
	1951-----	8, 097	2003	2, 837
	1952-----	8, 078	2004	2, 506
	1953-----	8, 053	2005	2, 247
	1954-----	8, 017	2006	1, 988
	1955-----	8, 000	2007	1, 700
	1956-----	7, 954	2008	1, 583
	1957-----	7, 930	2009	1, 467
	1958-----	7, 912	2010	1, 350
	1959-----	7, 902	2011	1, 233
	1960-----	7, 892	2012	1, 140
	1961-----	7, 883	2013	1, 071
	1962-----	7, 872	2014	1, 002
	1963-----	7, 861	2015	993
	1964-----	7, 850	2016	864
	1965-----	7, 839	2017	760
	1966-----	7, 828	2018	625
	1967-----	7, 816	2019	552
	1968-----	7, 804	2020	497
	1969-----	7, 791	2021	443
	1970-----	7, 779	2022	398
	1971-----	7, 767	2023	362
	1972-----	7, 767	2024	326
	1973-----	7, 767	2025	290
	1974-----	7, 767	2026	253
	1975-----	7, 767	2027	235
	1976-----	7, 767	2028	235
	1977-----	7, 754	2029	192
	1978-----	7, 740	2030	180
	1979-----	7, 727	2031	180
	1980-----	7, 713	2032	180
	1981-----	7, 700	2033	180
	1982-----	7, 657	2034	180
	1983-----	7, 606	2035	180
	1984-----	7, 545	2036	153
	1985-----	7, 475	2037	153
	1986-----	7, 403	2038	153
	1987-----	7, 323	2039	124
	1988-----	7, 052	2040	124
	1989-----	6, 761	2041	124
	1990-----	6, 471	2042	124
	1991-----	6, 280	2043	51
	1992-----	5, 860	2044	51
	1993-----	5, 451	2045	51
	1994-----	5, 042	2046	51
	1995-----	4, 633		
	1996-----	4, 324		

¹ Project is on crop repayment plan, Act of December 5, 1924. Average of 1939-44 crop returns used in estimating repayment 1947 through 2046.

² Lands considered temporarily unproductive on which charges are not currently assessed.

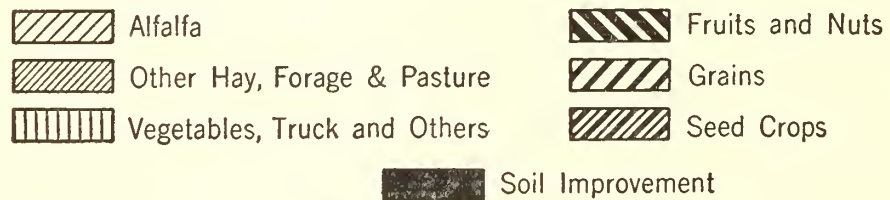
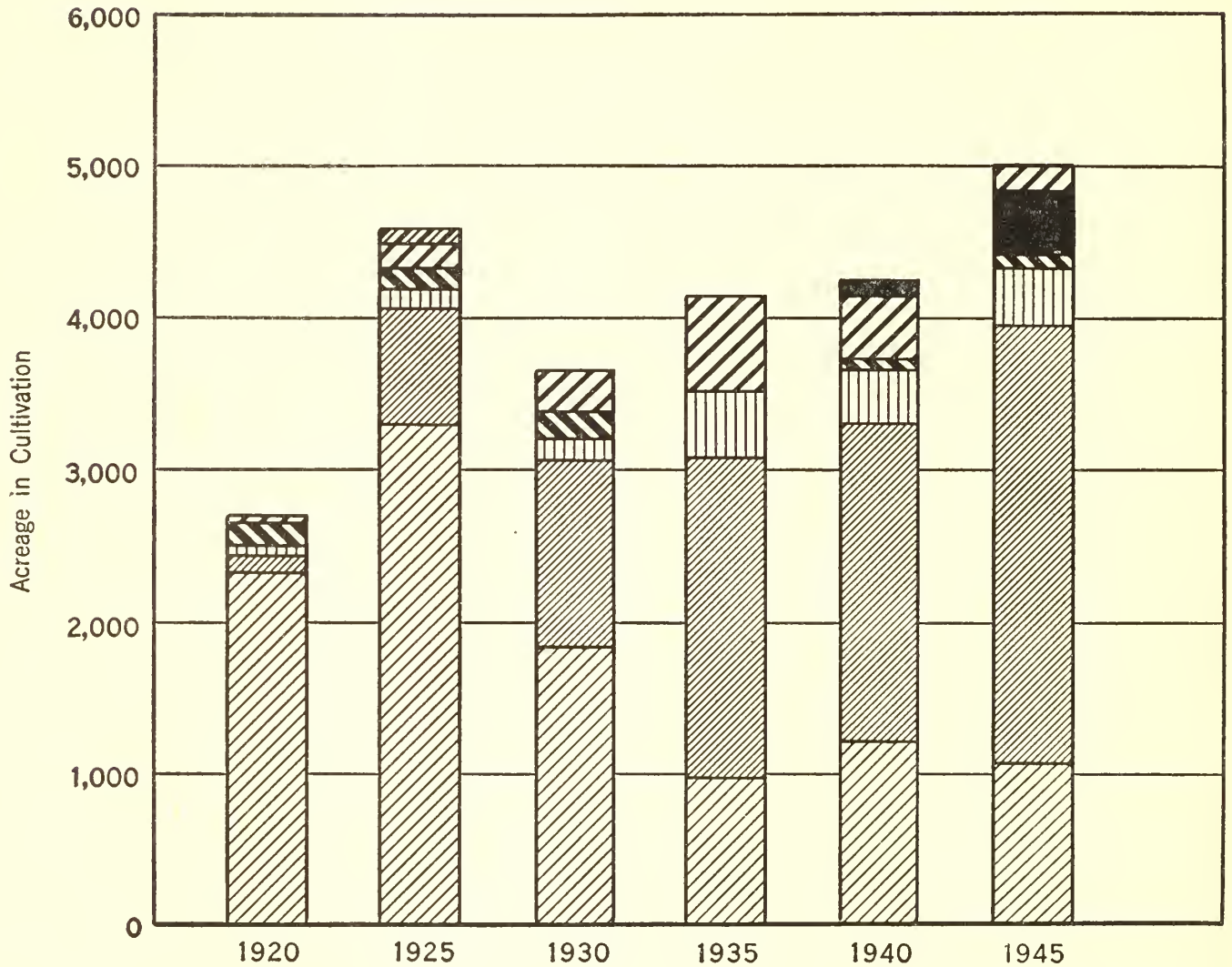
³ Uncollected charges will be scheduled for future payment under an adjustment contract to be negotiated with water users.

Contractor: West Extension Irrigation District.

UMATILLA PROJECT, OREGON

WEST DIVISION

CROP HISTORY



Water Service Commenced in 1916

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1917	700	\$40,700	\$58.14
1918	1,300	60,600	46.62
1919	2,300	146,400	63.65
1920	2,700	142,400	52.74
1921	3,300	107,600	32.61
1922	3,800	175,500	46.18
1923	4,000	157,800	39.45
1924	4,100	129,700	31.63
1925	4,600	158,000	34.35
1926	4,210	123,980	29.45
1927	3,944	84,516	21.43
1928	3,918	102,510	26.16
1929	3,580	108,810	30.39
1930	3,660	80,195	21.91
1931	3,921	68,373	17.44
1932	3,921	46,844	11.95
1933	4,008	64,935	16.20
1934	4,207	73,017	17.36
1935	4,168	81,384	19.53
1936	4,322	81,961	18.96
1937	4,297	79,136	18.42
1938	4,377	78,642	17.97
1939	4,627	87,642	18.94
1940	4,269	77,878	18.24
1941	4,680	84,198	17.99
1942	4,255	128,482	30.20
1943	5,072	170,630	33.64
1944	4,905	190,662	38.87
1945	5,009	164,735	32.89

*Stanfield
Irrigation District*

The Stanfield Irrigation District has contracted to pay a total of \$531,723, or \$89 per irrigable acre, for a share in the storage water at McKay Dam and Reservoir and for rehabilitation of the District's distribution system. Storage repayments commenced in 1935 and rehabilitation repayments began in 1939. To June 30, 1946, a total of \$44,063 had become due under the storage and rehabilitation contracts and had all been paid by the district to the United States.

In addition, a total of \$25,287 had been collected from the water users to pay a proportionate share of the operation and maintenance of McKay Reservoir and \$29,216 had been collected for rental of stored water.

Determination of repayment obligation as of June 30, 1946:

Cost..... \$531,723

¹Includes Government benefit payments.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1934	\$533,893							
1935	533,893	\$1,807		\$1,807	\$1,807		\$1,807	\$1,807
1936	533,893	1,788		1,788	1,788		1,788	3,595
1937	531,723	1,903		1,903	1,903		1,903	5,498
1938	531,723	1,690		1,690	1,690		1,690	7,188
1939	531,723	2,537		2,537	2,537		2,537	9,725
1940	531,723	5,045		5,045	5,045		5,045	14,770
1941	531,723	5,088		5,088	5,088		5,088	19,858
1942	531,723	4,821		4,821	4,821		4,821	24,679
1943	531,723	5,128		5,128	5,128		5,128	29,807
1944	531,723	4,703		4,703	4,703		4,703	34,510
1945	531,723	4,838		4,838	4,838		4,838	39,348
1946	531,723	4,715		4,715	4,715		4,715	44,063
Total		44,063		44,063	44,063		44,063	
Collected				44,063				
Uncollected				0				

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1927	\$900	\$896	1927, May 3, and 1934, Feb. 12. Contracts with Stanfield Irrigation District for purchase of 20½ percent of storage in McKay Reservoir. Cost \$433,893. Payable in 40 graduated annual installments.
1928	1,600	1,604	
1929	1,373	1,373	
1930	309	309	1934, Feb. 12. Contract with Stanfield Irrigation District for betterment of drainage and distribution systems. Cost \$97,830. Payable in 39 equal annual installments.
1931	684	684	
1932	1,100	1,100	
1933	784	784	
1934	862	862	
1935	1,072	1,072	

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1936	\$1,312	\$1,312	
1937	1,197	1,197	
1938	1,409	1,409	
1939	1,464	1,464	
1940	1,463	1,463	
1941	1,416	1,416	
1942	1,687	1,687	
1943	1,380	1,380	
1944	1,806	1,806	
1945	1,669	1,669	
1946	1,800	1,800	
Total	25,287	25,287	

This division is on a 40-year repayment basis.

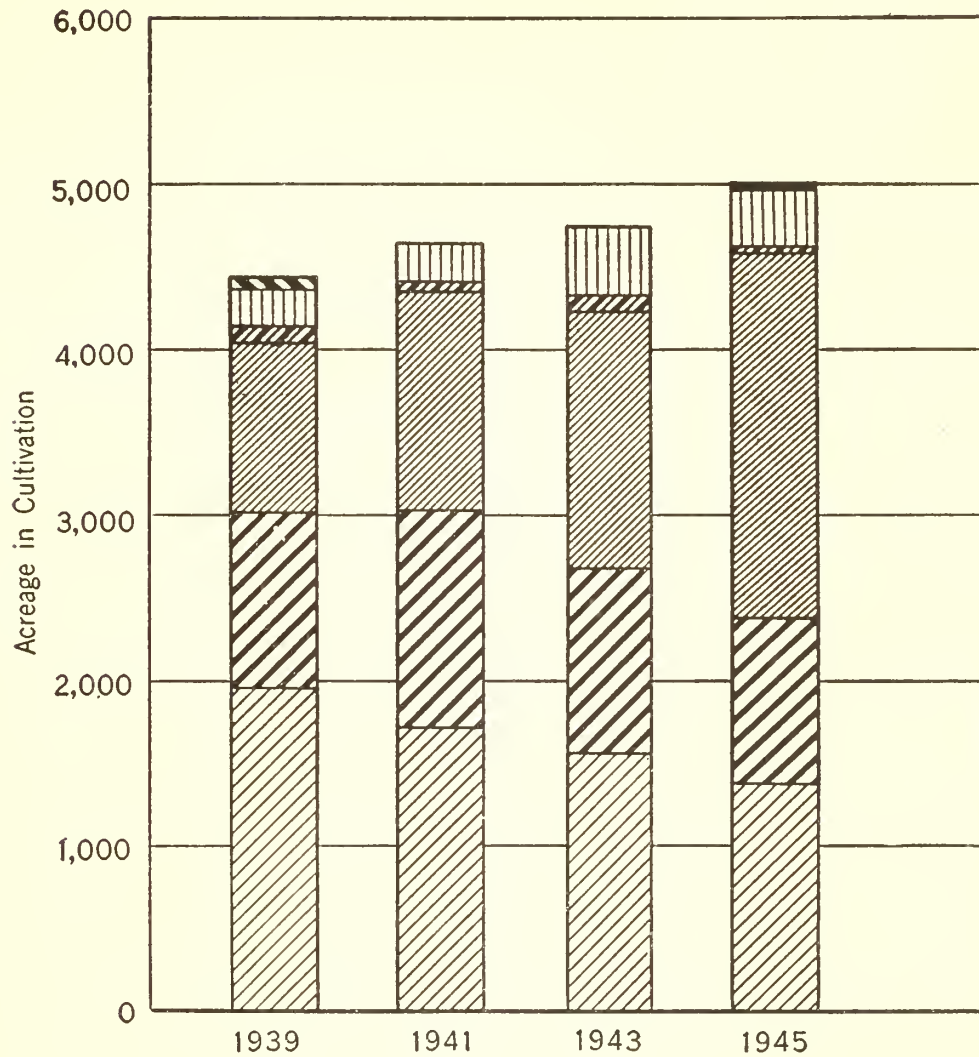
Repayment of Construction Investment

SOUTH DIVISION
PAY-OUT SCHEDULE

	Fiscal year	Amounts due from contractors					Unsold storage
		Stanfield Irrigation District	Stanfield Irrigation District	Westland Irrigation District	Oregon State Game Commission	Pendleton Country Club	
		Rehabilitation	McKay Dam				
Contract obligation (total \$1,385,486) ¹		\$97,830	\$433,893	\$846,952	\$1,400	\$5,411	
Unsold storage, McKay Reservoir	Due to June 30—						\$789,920
	1946	17,559	26,504	31,046	770	3,787	73,380
	1947	2,508	2,300	20,279	70	135	
	1948	2,508	2,300	20,279	70	135	
	1949	2,508	10,300	20,279	70	135	
	1950	2,508	10,300	20,279	70	135	
	1951	2,508	10,300	33,919	70	135	
	1952	2,508	10,300	33,919	70	135	
	1953	2,508	10,300	33,919	70	135	
	1954	2,508	17,300	33,919	70	135	
	1955	2,508	17,300	33,919	70	135	
	1956	2,508	17,300	33,919		135	
	1957	2,508	17,300	33,919		135	
	1958	2,508	17,300	33,919		139	
	1959	2,508	17,300	33,919			
	1960	2,508	17,300	33,919			
	1961	2,508	17,300	39,319			
	1962	2,508	17,300	39,319			
	1963	2,508	17,300	39,319			
	1964	2,508	21,300	39,319			
	1965	2,508	21,300	39,319			
	1966	2,508	21,300	39,319			
	1967	2,508	21,300	39,319			
	1968	2,508	21,300	42,148			
	1969	2,508	21,300	29,475			
	1970	2,508	21,300	⁽²⁾			
	1971	2,508	21,300	42,020			
	1972	2,508	7,889	6,724			
	1973	2,508					
	1974	2,508					
	1975	2,508					
	1976	2,508					
	1977	2,508					
	1978	2,523					

¹ Only 60.5 percent of McKay storage has been contracted. Remaining storage is rented from time to time on an annual basis as excess water to Stanfield and Westland districts and to a few individual users.
² Contract provided for payment of unpaid balance of regular charges in 1970. It is now anticipated there will be no balance due at that time. Deferments were scheduled for payment in 1971 and 1972 following contract period.

UMATILLA PROJECT, OREGON STANFIELD IRRIGATION DISTRICT CROP HISTORY



- | | |
|---|---|
| <ul style="list-style-type: none"> Alfalfa Grains Other Hay, Forage & Pasture | <ul style="list-style-type: none"> Seed Crops Vegetables, Truck and Others Fruits and Nuts Soil Improvement |
|---|---|

Water Service Commenced in 1929

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1939	4,430	\$96,083	\$21.69
1940	4,740	91,469	19.30
1941	4,662	111,122	23.84
1942	4,708	153,863	32.68
1943	4,749	192,258	40.48
1944	4,869	160,541	32.97
1945	4,998	177,008	35.42

¹ Includes Government benefit payments.

Westland Irrigation District

The Westland Irrigation District has contracted to receive 40 percent of the water stored in the McKay Reservoir, built by the United States, and will repay a total of \$846,952 on the construction cost. The repayment schedule commenced in 1932, but deferments granted under moratorium acts have limited to \$31,046 the amount due. A total of \$10,597 has been paid on this obligation,

leaving \$20,449 unpaid for the calendar year 1945. The Westland Irrigation District is scheduled for an early economic analysis and renegotiation of the repayment contract in order to readjust annual charges to a rate that can be met by the water users.

The district operates and maintains its irrigation system. The United States operates McKay Dam and Reservoir. To June 30, 1946, the district had paid the United States a total of \$41,760 for its share of the operation and maintenance of the reservoir and \$14,620 for rental of stored water.

Determination of repayment obligation as of June 30, 1946:

Cost	\$846,621
Penalties funded	331
Total	846,952

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1932	\$846,621	\$6,238		\$6,238	\$3,171		\$3,171	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$3,939; 1932, \$3,724; 1933, \$3,924; 1934, \$3,793; 1935, \$4,530; 1936, \$868. Construction charges deferred under acts of May 31, 1939, and Aug. 4, 1939, for calendar years 1938, \$4,727; 1939, \$5,064; 1940, \$4,362; 1941, \$4,925; 1942, \$2,065; 1943, \$4,229; 1944, \$2,115.	
1933	846,844		¹ \$2,786	¹ 2,786		\$281	281		
1934	846,952			0			0		
1935	847,290			0			0		
1936	846,952			0			0		
1937	846,952	500		500	500		500		
1938	846,952	3,369	¹ 1,782	1,587	1,587		1,587		
1939	846,952	4,560		4,560	531		531		
1940	846,952		¹ 4,029	¹ 4,029			0		
1941	846,952	4,029		4,029			0		
1942	846,952	4,129		4,129			0		
1943	846,952	4,129	¹ 8,158	¹ 4,029			0		
1944	846,952	4,229	¹ 1,717	2,512		2,239	2,239		
1945	846,952	4,229	381	4,610	554		554		
1946	846,952	20,449	¹ 6,724	13,725	1,734		1,734		
Total		55,861	¹ 24,815	31,046	8,077	2,520	10,597		
Collected				10,597					
Uncollected				20,449					

¹ Decrease. Decreases cover amounts deferred under relief acts.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1927.....	\$1, 800	-----	1931, Apr. 28, and 1937, May 17. Contracts with Westland Irrigation District for 40 percent of storage in McKay Reservoir. Payable in 40 graduated annual installments.
1928.....	2, 440	\$3, 020	
1929.....	1, 828	3, 048	
1930.....	3, 290	3, 290	
1931.....	2, 780	2, 780	
1932.....	2, 882	0	
1933.....	1, 941	3, 343	
1934.....	2, 335	3, 815	
1935.....	2, 025	2, 025	
1936.....	1, 961	981	
1937.....	1, 974	2, 263	
1938.....	1, 846	2, 537	
1939.....	1, 950	1, 306	
1940.....	1, 783	2, 427	
1941.....	1, 446	1, 419	
1942.....	2, 049	0	
1943.....	1, 485	2, 078	
1944.....	1, 933	3, 363	
1945.....	1, 901	1, 954	
1946.....	2, 111	2, 111	
Total.....	41, 760	41, 760	

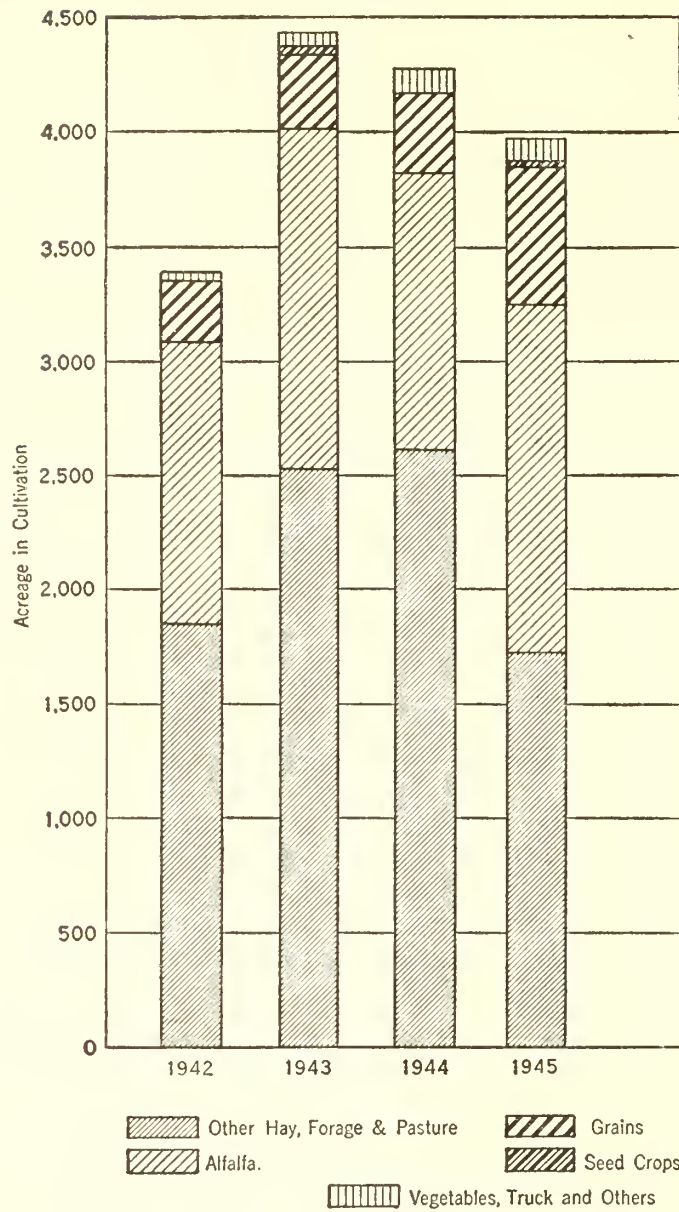
This division is on a 40-year repayment basis.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1942.....	3, 389	\$75, 624	\$22. 31
1943.....	4, 451	165, 517	37. 19
1944.....	4, 288	127, 252	29. 68
1945.....	3, 963	136, 914	34. 55

¹ Includes Government benefit payments.

UMATILLA PROJECT, OREGON
WESTLAND IRRIGATION DISTRICT

CROP HISTORY



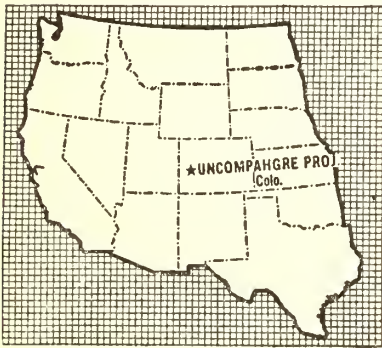
Water Service Commenced in 1929

Uncompahgre Project

Colorado . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

In a series of repayment contracts, the Uncompahgre Valley Water Users' Association has assumed a total obligation of \$7,552,433. Of this amount \$1,516,433 has become due and \$653,805 has been collected. Delinquencies extend back to the year 1937. The association has not undertaken to meet in full its annual repayment installments in recent years, notwithstanding its present prosperity reflected in average crop values of \$46.63 per acre in the 1945 season. It does, however, meet the payments due under the contract for rehabilitation work, and minor amounts are received on Taylor Park Dam and Gunnison tunnel contracts as a few individuals make payments to the association.

The project was transferred to the association in 1932 for operation and maintenance. Prior to that time, a total of \$1,008,684 was collected from the association for operation and main-

tenance by the United States and \$1,229,828 for water rentals prior to issuance of public notice.

A comprehensive land reclassification and economic study of the project is in process under the direction of the Regional Director. On completion of the analysis of project difficulties and a determination of repayment ability, an amendatory repayment contract will be negotiated.

Determination of repayment obligation as of June 30, 1946:

Cost	\$10,663,530
Less construction revenues	1,205,062
	9,458,468
Total	9,458,468
Less charge-off, act of May 26, 1926	1,260,792
	8,197,676
Net	8,197,676
Adjustment to be made	¹ 645,243
	7,552,433
Total	7,552,433

¹Decrease. Decrease due to cancellation of water right applications, funding of delinquent charges, and deferments under relief acts.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1922	\$6,713,585	\$934		\$934	\$934		\$934	\$934	
1923	6,713,585	145,327		145,327	42,632		42,632	43,566	
1924	6,713,585	118,237		118,237	32,567	\$12,714	45,281	88,847	
1925	6,713,585	112,183	¹ \$6,058	106,125	24,174	8,079	32,253	121,100	
1926	6,713,585	110,395	¹ 3,694	106,701	29,071	96,839	125,910	247,010	
1927	6,713,585	189,206	¹ 46,347	142,859	55,177	35,952	91,129	338,139	
1928	6,713,585	91,237	¹ 30,737	60,500	52,499	6,256	58,755	396,894	
1929	² 4,998,446	99,651	¹ 194,469	¹ 94,818	4,061	39,739	43,800	440,694	
1930	4,997,506	123,547	¹ 1,640	121,907	5,758	42,826	48,584	489,278	
1931	4,993,763	120,090	¹ 1,044	119,046	1,361	46	1,407	490,685	
1932	4,939,984		¹ 336,602	¹ 336,602		¹ 469	¹ 469	490,216	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$95,773; 1932, \$93,196; 1933, \$90,488; 1935, \$90,393; 1936, \$45,036. Construction charges deferred under acts of Aug. 21, 1937, and May 31, 1939, 1937, \$45,164; 1938, \$45,164.
1933	4,945,995	90,284	¹ 103	90,181		¹ 103	¹ 103	490,113	
1934	5,270,985	90,284		90,284			0	490,113	
1935	7,288,114		¹ 180,568	¹ 180,568			0	490,113	
1936	7,785,353	156		156			156	490,269	
1937	8,085,464	53,553		53,553	8,790		8,790	499,059	
1938	8,082,025	53,263		53,263	10,031	19,378	29,409	528,468	
1939	8,094,525	98,526		98,526	9,368	10,326	19,694	548,162	
1940	8,094,525	123,594	¹ 45,164	78,430	10,752	6,692	17,444	565,606	
1941	8,094,525	123,594		123,594	8,936	8,105	17,041	582,647	
1942	8,102,679	123,715		123,715	9,128	808	9,936	592,583	
1943	³ 7,708,747	123,796		123,796	9,233	5,834	15,067	607,650	
1944	7,708,747	123,755		123,755	8,346	10,701	19,047	626,697	
1945	³ 7,554,248	123,796		123,796	9,063	5,757	14,820	641,517	
1946	7,552,433	123,840	¹ 104	123,736	8,992	3,296	12,288	653,805	
Total Collected		2,362,963	¹ 846,530	1,516,433	341,029	312,776	653,805		
Uncollected				862,628					

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1924	\$157,841	\$88,552	1922, Apr. 12. Public notice. Construction charge \$70 per acre, payable in 20 graduated annual installments.
1925	137,205	76,371	
1926	132,677	137,039	1927, Apr. 8. Contract with Uncompahgre Valley Water Users' Association. Association assumes obligations under individual water-right applications.
1927	139,525	121,313	Delinquent construction charges to be paid in 10 equal annual installments with 6 percent interest. Delinquent operation and maintenance charges to be paid in 4 equal annual installments with 6 percent interest.
1928	181,235	73,371	
1929	4,790	220,588	
1930	189,992	151,384	
1931	169,134	123,012	1931, Aug. 4. Contract with Uncompahgre Valley Water Users' Association. Repayment period extended to 40 years. All delinquent charges, the 1931 construction charge, and all installments of charges to become due after 1961, considered and defined as supplemental construction, to be paid in annual installments of \$85,000 beginning in 1962.
1932	¹ 93,317	27,452	
1933	¹ 10,398	¹ 10,398	1934, Feb. 16. Contract with Uncompahgre Valley Water Users' Association for rehabilitation of South Canal and other features. Estimated cost, \$325,000, payable in 40 equal annual installments.
Total	1,008,684	1,008,684	1934, May 31. Contract with Uncompahgre Valley Water Users' Association for construction of Taylor Park Reservoir. Estimated cost, \$2,000,000, payable in 40 graduated annual installments.
			1936, Feb. 17. Contract with Uncompahgre Valley Water Users' Association for construction of drainage system. Estimated cost, \$500,000, payable in 6 equal annual installments beginning in 1962.
			1936, Aug. 22. Contract with Uncompahgre Valley Water Users' Association for concreting of Gunnison Tunnel. Estimated cost, \$300,000, payable in 40 graduated annual installments beginning in 1940.

¹ Decrease. Decreases are due to cancellation of water-right applications, funding of delinquent charges, and deferrals under relief acts.
² Reduction of obligation due to provisions of 1927 contract.
³ Reductions in obligations due to adjusting estimated costs to actual costs.

This project is on a 40-year repayment basis. Repayment is scheduled to be completed in 1979, including amounts deferred. Operation and maintenance of project taken over by water users in 1932.

Repayment of Construction Investment
PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts and features					Total
		Original project	Taylor Park Reservoir	Gunnison Tunnel repairs	Rehabilitation irrigation works	Drainage	
Contract obligation:							
Paying lands	-----	\$3,968,921	\$1,374,821	\$300,000	\$324,382	\$571,298	\$6,539,422
Suspended lands (temporarily suspended) ²	-----	1,013,011	-----	-----	-----	-----	1,013,011
Total amount repayable	-----	4,981,932	1,374,821	300,000	324,382	571,298	7,552,433
	Due to June 30—1946	1,259,781	143,922	31,500	81,230	-----	1,516,433
	1947	90,607	20,622	4,500	8,105	-----	123,834
	1948	90,607	20,622	4,500	8,105	-----	123,834
	1949	90,607	20,622	4,500	8,105	-----	123,834
	1950	90,607	34,371	7,500	8,105	-----	140,583
	1951	90,607	34,371	7,500	8,105	-----	140,583
	1952	90,607	34,371	7,500	8,105	-----	140,583
	1953	90,607	34,371	7,500	8,105	-----	140,583
	1954	90,607	34,371	7,500	8,105	-----	140,583
	1955	90,607	34,371	7,500	8,105	-----	140,583
	1956	90,607	34,371	7,500	8,105	-----	140,583
	1957	90,607	34,371	7,500	8,105	-----	140,583
	1958	90,607	34,371	7,500	8,105	-----	140,583
	1959	90,607	34,371	7,500	8,105	-----	140,583
	1960	90,607	41,245	9,000	8,105	-----	148,957
	1961	90,607	41,245	9,000	8,105	-----	148,957
	1962	90,752	41,245	9,000	8,105	-----	149,102
	1963	85,000	41,245	9,000	8,105	95,216	238,566
	1964	85,000	41,245	9,000	8,105	95,216	238,566
	1965	85,000	41,245	9,000	8,105	95,216	238,566
	1966	85,000	41,245	9,000	8,105	95,216	238,566
	1967	85,000	41,245	9,000	8,105	95,216	238,566
	1968	85,000	41,245	9,000	8,105	95,218	238,568
	1969	85,000	41,245	9,000	8,105	-----	143,350
	1970	68,637	41,245	9,000	8,105	-----	126,987
	1971	95,773	41,245	9,000	8,105	-----	154,123
	1972	93,196	41,245	9,000	8,105	-----	151,546
	1973	90,488	41,245	9,000	8,105	-----	148,838
	1974	90,488	41,245	9,000	8,105	-----	148,838
	1975	90,393	41,245	9,000	8,105	-----	148,743
	1976	90,200	41,245	9,000	8,107	-----	148,552
	1977	45,108	41,245	9,000	-----	-----	95,353
	1978	-----	41,245	9,000	-----	-----	50,245
	1979	-----	41,668	9,000	-----	-----	50,668

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

² Lands considered temporarily unproductive on which charges are not currently assessed.

Contractor: Uncompahgre Valley Water Users' Association.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1909 ^{2 3}	20,600	\$988,000	\$47.96
1910 ^{2 3}	24,000	1,020,000	42.50
1911 ^{2 3}	20,995	1,360,910	64.82
1912 ²	47,223	1,553,513	32.90
1913	30,306	995,153	32.77
1914	33,091	870,381	26.30
1915	40,553	1,044,915	25.77
1916	48,352	1,949,529	40.32
1917	52,717	3,051,668	57.89
1918	57,310	3,302,460	57.62
1919	59,746	3,391,456	56.76
1920	63,730	3,397,500	53.31
1921	63,600	2,614,300	41.11
1922	61,700	1,550,900	25.14
1923	64,010	2,224,710	34.76
1924	62,100	1,941,600	31.27
1925	61,294	3,032,395	49.47
1926	58,490	2,056,930	35.17
1927	59,280	1,621,820	27.36
1928	60,750	2,265,100	37.29

See footnotes at end of table.

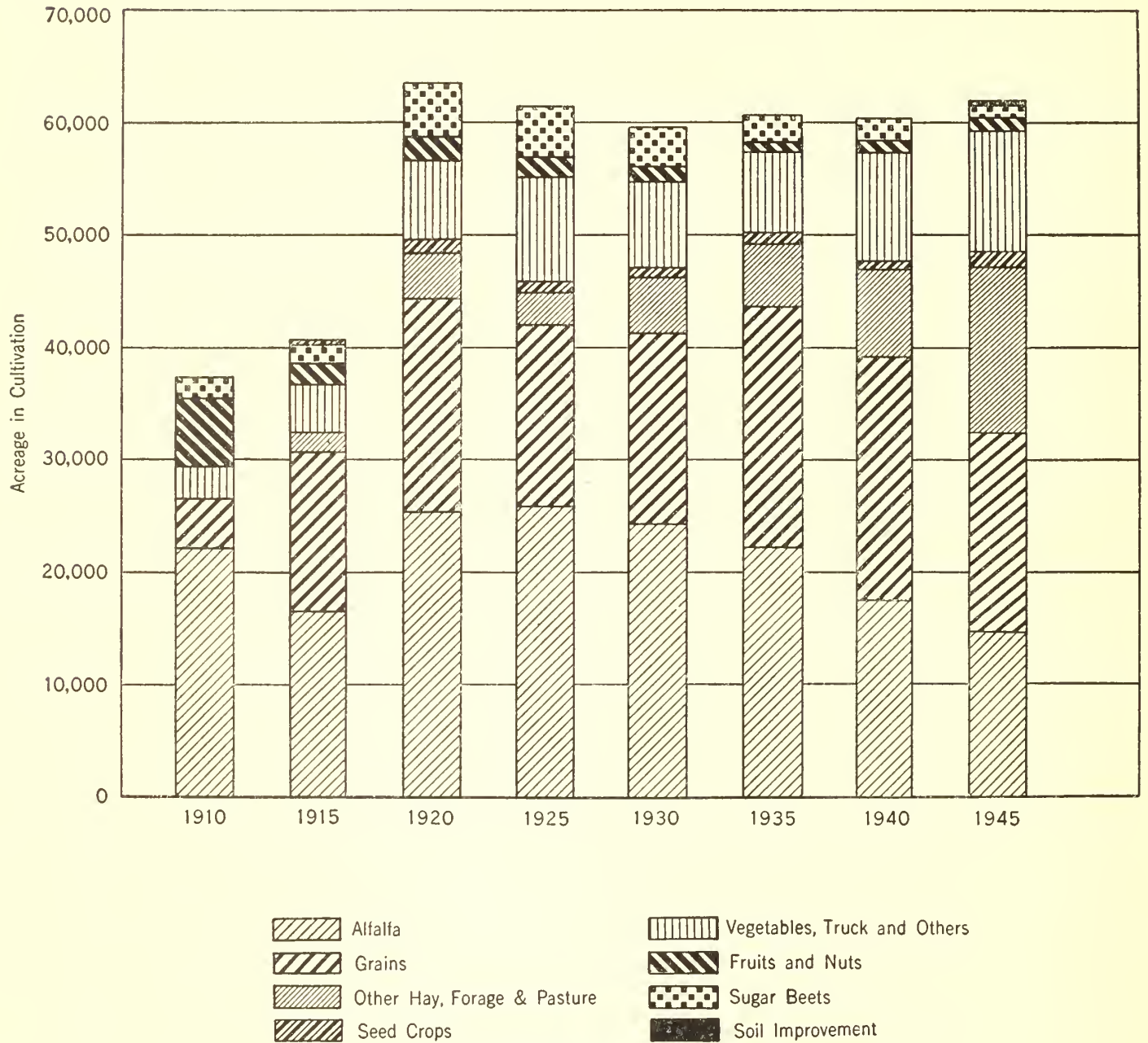
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1929	60,380	\$2,212,710	\$36.65
1930	59,875	1,606,250	26.83
1931	60,651	1,345,711	22.19
1932	59,666	706,272	11.84
1933	59,919	1,320,129	22.03
1934	57,739	1,266,756	21.94
1935	60,868	1,423,621	23.39
1936	60,446	1,946,002	32.19
1937	62,271	1,569,432	25.20
1938	60,288	1,278,971	21.21
1939	59,871	1,249,961	20.88
1940	60,406	1,157,530	19.16
1941	60,288	1,206,952	20.02
1942	60,265	1,914,542	31.77
1943	62,121	3,143,870	50.61
1944	62,571	2,874,835	45.95
1945	62,044	2,892,816	46.63

¹ Includes Government benefit payments.

² Years to 1913 include areas under private canals.

³ Estimated.

UNCOMPAHGRE PROJECT, COLORADO CROP HISTORY



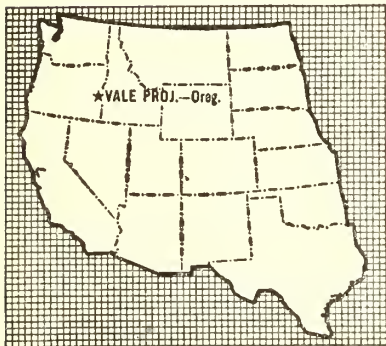
Water Service Commenced in 1908

Vale Project

Oregon . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

A contract has been entered into with the Vale Oregon Irrigation District to pay the construction cost of the storage and distribution system of the Vale project, amounting to \$5,-003,027, or \$154

per irrigable acre. Repayment will be made in 39 equal annual installments.

A special notice for the beginning of the payment of construction charges was issued early in 1946 and the initial semiannual payment of \$32,000 was due December 31, 1946. This notice, which departs from the terms of the contract, will apply for an interim period of 4 years, during which time the construction charges shall be \$2 per irrigable acre per annum.

The district advances funds for operation and maintenance of the project by the United States and to June 30, 1946, a total of \$357,447 had been collected. There had also been collected \$21,509

for water rentals. Negotiations are in progress to transfer operation and maintenance of the project to the Vale Oregon Irrigation District.

Repayment of Construction Investment
PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation		\$5, 003, 027
	1947	32, 000
	1948	64, 000
	1949	64, 000
	1950	64, 000
	1951	99, 815
	1952	135, 629
	1953	135, 629
	1954	135, 629
	1955	135, 629
	1956	135, 629
	1957	135, 629
	1958	135, 629
	1959	135, 629
	1960	135, 629
	1961	135, 629
	1962	135, 629
	1963	135, 629
	1964	135, 629
	1965	135, 629
	1966	135, 629
	1967	135, 629
	1968	135, 629
	1969	135, 629
	1970	135, 629
	1971	135, 629
	1972	135, 629
	1973	135, 629

Repayment of Construction Investment—Continued
PAY-OUT SCHEDULE

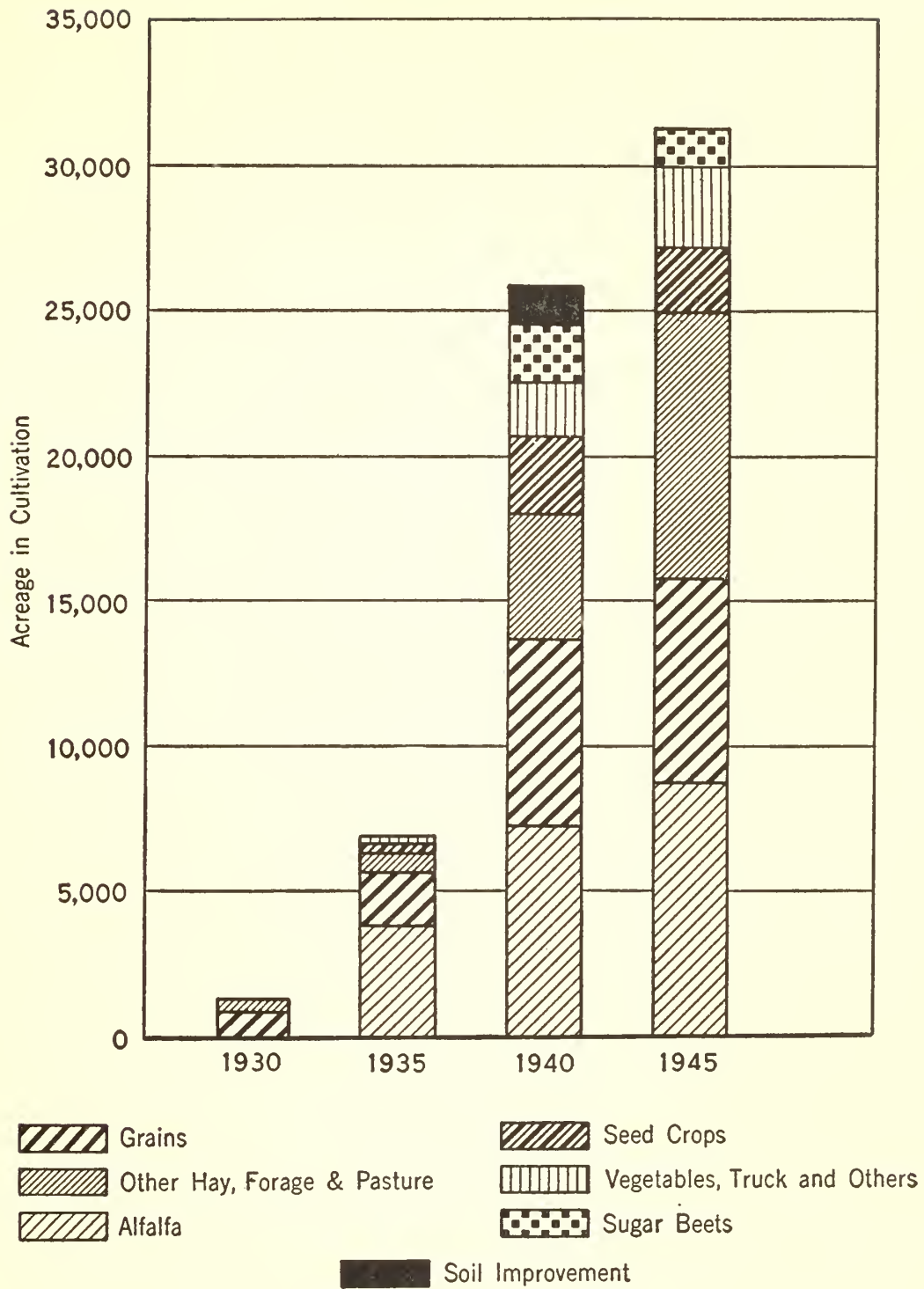
	Fiscal year	Amount
	1974	\$135, 629
	1975	135, 629
	1976	135, 629
	1977	135, 629
	1978	135, 629
	1979	135, 629
	1980	135, 629
	1981	135, 629
	1982	135, 629
	1983	135, 629
	1984	135, 629
	1985	135, 629
	1986	67, 826

Contractor: Vale Oregon Irrigation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1930	1, 189	\$17, 189	\$14. 46
1931	1, 963	55, 003	28. 02
1932	3, 608	34, 016	9. 43
1933	4, 081	91, 958	22. 53
1934	5, 581	140, 778	25. 22
1935	6, 995	136, 046	19. 45
1936	10, 975	253, 829	23. 13
1937	16, 488	466, 097	28. 27
1938	20, 791	721, 935	34. 72
1939	23, 678	746, 791	31. 54
1940	25, 902	729, 466	28. 16
1941	25, 939	936, 472	36. 10
1942	28, 041	1, 282, 413	45. 73
1943	30, 133	2, 479, 901	82. 30
1944	30, 666	2, 203, 690	71. 86
1945	31, 145	2, 371, 300	76. 14

¹ Includes Government benefit payments.

VALE PROJECT, OREGON CROP HISTORY



Water Service Commenced in 1930

Weber River Project

Utah . . .

. . . Region IV

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The United States constructed Echo Dam and Reservoir to furnish supplemental irrigation water for lands of the Weber River Water Users' Association, and the Association has contracted to repay

a total of \$2,685,872, or \$30 per irrigable acre, for this construction work.

Repayments commenced in 1937. To June 30,

1946, a total of \$922,014, or 34 percent, had become due the United States on this construction debt and had all been paid by the association.

Echo Reservoir is operated by the Weber River Water Users' Association.

Determination of repayment obligation as of June 30, 1946:

Cost	\$2, 731, 783
Less construction revenues	46, 346
	<hr/>
Net	2, 685, 437
Adjustment to be made	435
	<hr/>
Total	2, 685, 872

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1928	\$3,000,000								Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1932, \$148,158; 1933, \$143,853; 1934, \$143,853; 1935, \$143,853; 1936, \$71,926.
1929	3,000,000								
1930	3,000,000								
1931	3,000,000								
1932	3,000,000								
1933	3,004,871								
1934	3,004,871								
1935	¹ 2,883,946								
1936	2,875,695								
1937	2,875,872	\$71,749		\$71,749	\$71,749		\$71,749		
1938	² 2,685,872	143,499		143,499	143,499		143,499		
1939	2,685,872	89,415		89,415	89,415		89,415		
1940	2,685,872	88,193		88,193	88,193		88,193		
1941	2,685,872	88,193		88,193	88,193		88,193		
1942	2,685,872	88,193		88,193	88,193		88,193		
1943	2,685,872	88,193		88,193	88,193		88,193		
1944	2,685,872	88,193		88,193	88,193		88,193		
1945	2,685,872	88,193		88,193	88,193		88,193		
1946	2,685,872	88,193		88,193	88,193		88,193		
Total Collected		922,014		922,014	922,014		922,014		
Uncollected				0					

¹ Obligation reduced to actual cost.

² \$190,000 of cost and obligation transferred to Weber River Water Users' Association.

This project is on a 30-year repayment basis. Repayment is scheduled to be completed in 1967, including amounts deferred. Operation and maintenance by Weber River Water Users' Association.

Contracts

1926, Dec. 16. Contract with Weber River Water Users' Association for construction of Echo Reservoir at estimated cost of \$3,000,000, payable in 20 equal annual installments.

1938, Dec. 20. Contract with Weber River Water Users' Association. Repayment period extended to 30 years. Charges deferred under moratorium act included in the rescheduled payments.

Repayment of Construction Investment

PAY-OUT SCHEDULE

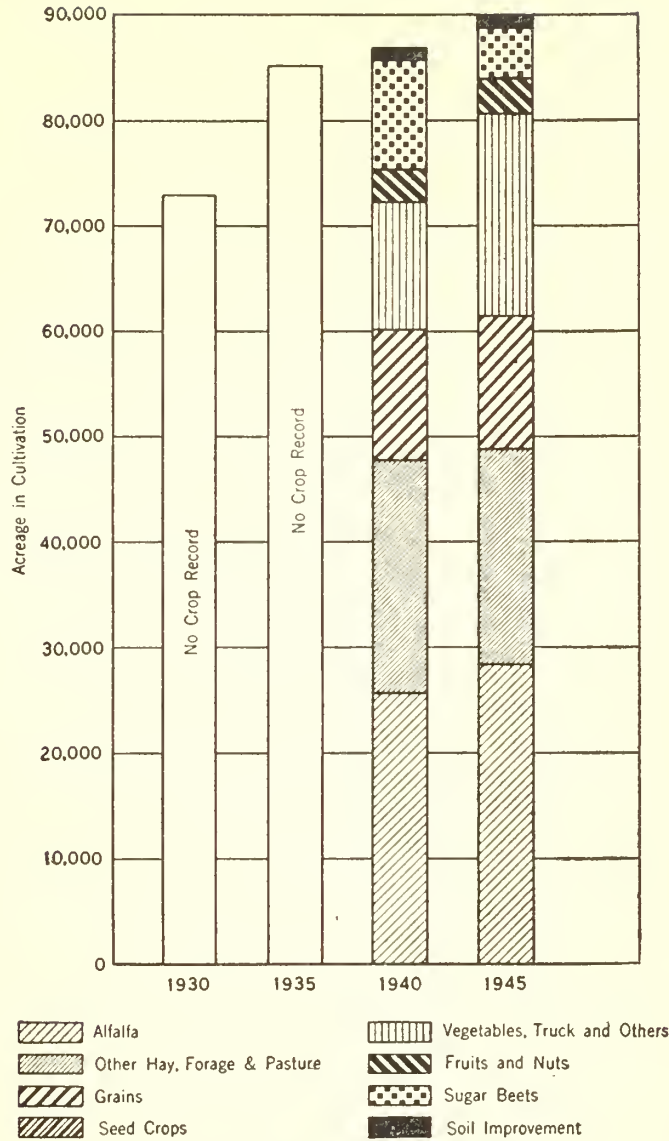
	Fiscal year	Amount
Contract obligation		\$2,685,872
	Due to June 30—1946	922,014
	1947	88,193
	1948	88,193
	1949	88,193
	1950	88,193
	1951	88,193
	1952	88,193
	1953	88,193
	1954	88,193
	1955	88,193
	1956	88,193
	1957	88,193
	1958	88,193
	1959	88,193
	1960	88,193
	1961	88,193
	1962	88,193
	1963	88,193
	1964	83,193
	1965	88,193
	1966	88,191

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1930	73,000	\$3,431,000	\$47.00
1931	67,000	2,137,000	31.90
1932	80,482	2,342,636	29.11
1933	83,954	3,349,381	39.90
1934	85,460	2,337,525	27.35
1935	85,206	3,677,382	43.16
1936	85,243	3,876,329	45.47
1937	84,790	3,089,099	36.43
1938	84,256	3,418,046	40.57
1939	86,984	3,670,291	42.20
1940	86,912	3,672,853	42.26
1941	88,090	4,504,926	51.14
1942	88,117	6,431,882	72.99
1943	88,262	10,434,186	118.22
1944	89,474	11,317,431	126.49
1945	90,118	13,797,750	153.11

¹ Includes Government benefit payments.

Contractor: Weber River Water Users' Association.

WEBER RIVER PROJECT, UTAH
CROP HISTORY



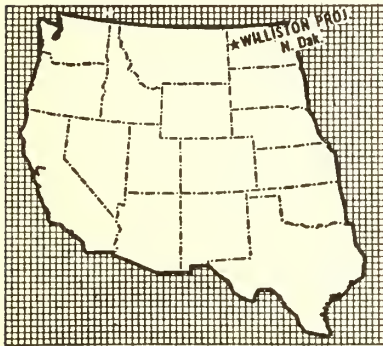
Water Service Commenced in 1930

Williston Project

North Dakota . . .

. . . Region VI

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

The Williston project was authorized for construction by the Bureau of Reclamation in 1906 and water was available for irrigation in 1908. Pumps installed on a barge in the Missouri River brought

water into a settling basin, and thence into the canal system where pumping was necessary. Individual water-right contracts were entered into with the water users.

By 1914 most of the water-right applicants were in default. The obligations were assumed in 1919 by the Williston Irrigation District which

likewise failed to meet the payments due. The project never became fully settled and the landowners were not particularly interested in irrigation after it became available.

In 1924 the Committee of Special Advisers on Reclamation (Fact Finders Committee) found that the history and prospects of the project did not justify its further operation by the Bureau of Reclamation, and recommended that the project be appraised and sold, and the losses incurred charged to the Reclamation Fund.

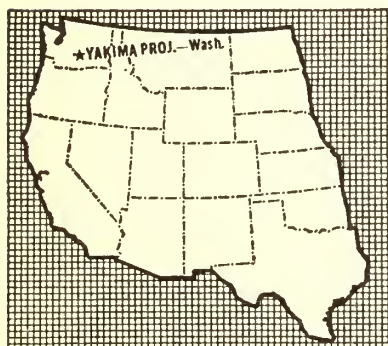
The act of May 26, 1926 (44 Stat. 653), authorized the cancellation of all water-right charges and the release of all liens existing against the lands in the Williston project on account of the water-right charges. The total amount of \$409,094.69 was thus charged off in the accounts of the United States as a loss to the Reclamation Fund.

Yakima Project

Washington . . .

. . . Region I

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Kittitas Division.—

The Kittitas Reclamation District contracted in 1925 for the repayment of \$8,991,653 for construction of an irrigation system for district lands.

Under the contract, repayments

commenced in 1938 and on June 30, 1946, a total of \$700,356, or 7.8 percent, had become due and had been paid. The District is paying construction charges on the 5 percent crop repayment plan authorized by the act of December 5, 1924.

The irrigation system is operated by the Kittitas Reclamation District. Since 1940 the United

States has been operating Easton Diversion Dam with funds advanced by the district. A total of \$229,488 has been collected from the district for this purpose and for operation and maintenance of storage reservoirs.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$8,975,359
Operation and maintenance funded.....	16,294
	<hr/>
Total.....	8,991,653
Less construction revenues.....	12,577
	<hr/>
Net.....	8,979,076
Adjustment to be made.....	12,577
	<hr/>
Total.....	8,991,653

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks	
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total			
1926	\$9,000,000									
1927	9,000,000									
1928	9,000,000									
1929	9,000,000									
1930	9,000,000									
1931	9,000,000									
1932	9,000,000									
1933	9,000,000									
1934	9,000,000									
1935	9,000,000									
1936	9,000,000									
1937	9,000,000									
1938	9,000,000	\$63,671		\$63,671	\$63,671		\$63,671			
1939	9,000,000	72,668		72,668	72,668		72,668			
1940	9,000,000	76,128	\$19,032	57,096	57,096		57,096		Deferred under act of Aug. 4, 1939, \$19,032.	
1941	9,000,000	76,127		76,127			0			
1942	9,000,000	76,128		76,128		\$76,127	76,127			
1943	9,000,000	76,128		76,128	76,128	76,128	152,256			
1944	9,000,000	83,049		83,049	83,049		83,049			
1945	9,000,000	92,600		92,600	92,600		92,600			
1946	8,991,653	102,889		102,889	102,889		102,889			
Total		719,388	19,032	700,356	548,101	152,255	700,356			
Collected				700,356						
Uncollected				0						

¹ Decrease. Covers deferment of 1939 construction charges.

This division is on a crop production basis of payment. Therefore time of completion of repayment is indefinite.

Contract

1925, Dec. 19. Contract with Kittitas Reclamation District for construction of irrigation system for Kittitas Division. Estimated cost \$9,000,000. Payable on crop-production basis, annual installments to be 5 percent of average gross acre income for preceding 10 years.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$8,991,653
	Due to June 30—1946	700,356
	1947	126,211
	1948	126,211
	1949	126,211
	1950	126,211
	1951	126,211
	1952	126,211
	1953	126,211
	1954	126,211
	1955	126,211
	1956	126,211
	1957	126,211
	1958	126,211
	1959	126,211
	1960	126,211
	1961	126,211

See footnote at end of table.

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
	Due to June 30—1962	\$126,211
	1963	126,211
	1964	126,211
	1965	126,211
	1966	126,211
	1967	126,211
	1968	126,211
	1969	126,211
	1970	126,211
	1971	126,211
	1972	126,211
	1973	126,211
	1974	126,211
	1975	126,211
	1976	126,211
	1977	126,211
	1978	126,211
	1979	126,211

See footnote at end of table.

Repayment of Construction Investment
PAY-OUT SCHEDULE¹

Fiscal year	Amount
Due to June 30—1980	\$126, 211
1981	126, 211
1982	126, 211
1983	126, 211
1984	126, 211
1985	126, 211
1986	126, 211
1987	126, 211
1988	126, 211
1989	126, 211
1990	126, 211
1991	126, 211
1992	126, 211
1993	126, 211
1994	126, 211
1995	126, 211
1996	126, 211
1997	126, 211
1998	126, 211
1999	126, 211
2000	126, 211
2001	126, 211
2002	126, 211
2003	126, 211
2004	126, 211
2005	126, 211
2006	126, 211
2007	126, 211
2008	126, 211
2009	126, 211
2010	126, 211
2011	126, 211
2012	87, 582

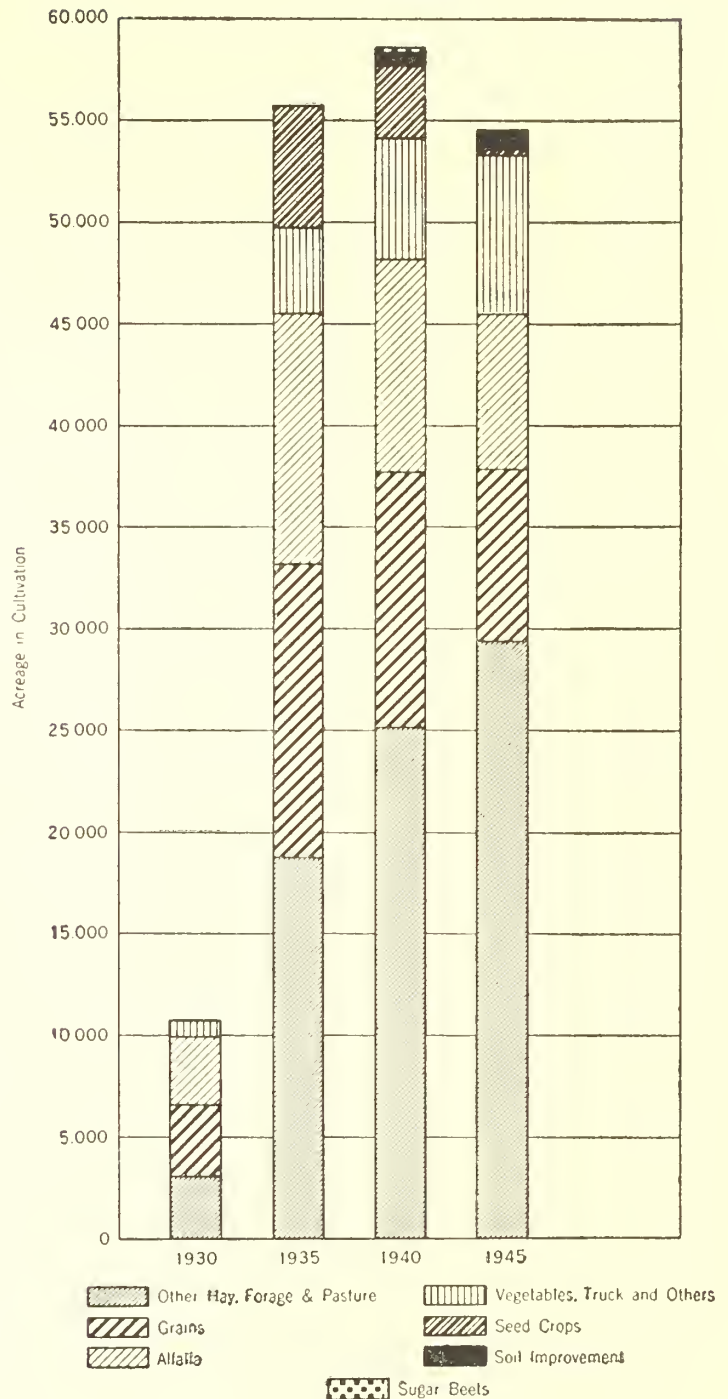
¹ Schedule estimated on basis of projecting average crop values for period 1939-44, inclusive.

Contractor: Kittitas Reclamation District.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1930	10, 640	\$343, 630	\$32. 30
1931	29, 717	437, 365	14. 72
1932	38, 715	428, 933	11. 08
1933	43, 009	811, 722	18. 87
1934	50, 648	961, 553	18. 99
1935	55, 669	1, 350, 947	24. 27
1936	52, 693	1, 745, 330	33. 12
1937	55, 493	1, 588, 729	28. 63
1938	57, 282	1, 261, 777	22. 03
1939	57, 018	1, 315, 932	23. 08
1940	58, 449	1, 308, 433	22. 39
1941	59, 106	1, 823, 313	30. 85
1942	58, 866	2, 498, 704	42. 45
1943	58, 246	2, 904, 663	49. 87
1944	54, 392	2, 878, 903	52. 93
1945	54, 479	2, 883, 405	52. 93

¹ Includes Government benefit payments.

YAKIMA PROJECT, WASHINGTON
KITTITAS DIVISION
CROP HISTORY



Water Service Commenced in 1930

*Roza
Division*

Construction of irrigation works for the Roza Division is still in progress.

A contract has been entered into with the Roza Irrigation District to pay the construction cost, up to \$15,000,000, for the irrigation system and \$2,500,000 toward repayment of the cost of the Yakima project storage works. Repayment will be made in 39 annual installments. The Terrace Heights Irrigation District is obligated to pay \$78,100 toward the cost of the irrigation system and to June 30, 1946, a total of \$6,345 had become due and had been paid by the district.

Notice for the beginning of payment of construction charges by the Roza Irrigation District on December 31, 1946, has been issued for the first block of 9,420.9 acres of irrigable land, and an additional 6,549.1 acres which are now in production will begin payment of annual charges in 1947.

Operation and maintenance of the project system is handled by the United States. Water rental collections have amounted to \$225,702.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors	
		Roza Irrigation District	Terrace Heights Irrigation District
Contract obligation (total \$15,078,100)		\$15,000,000	\$78,100
	Due to June 30—		
	1946		6,345
	1947	56,525	1,410
	1948	95,920	1,410
	1949	113,945	1,410
	1950	216,085	1,410
	1951	251,075	1,410
	1952	304,495	2,160
	1953	384,600	2,909
	1954	384,600	2,909

See footnote at end of table.

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

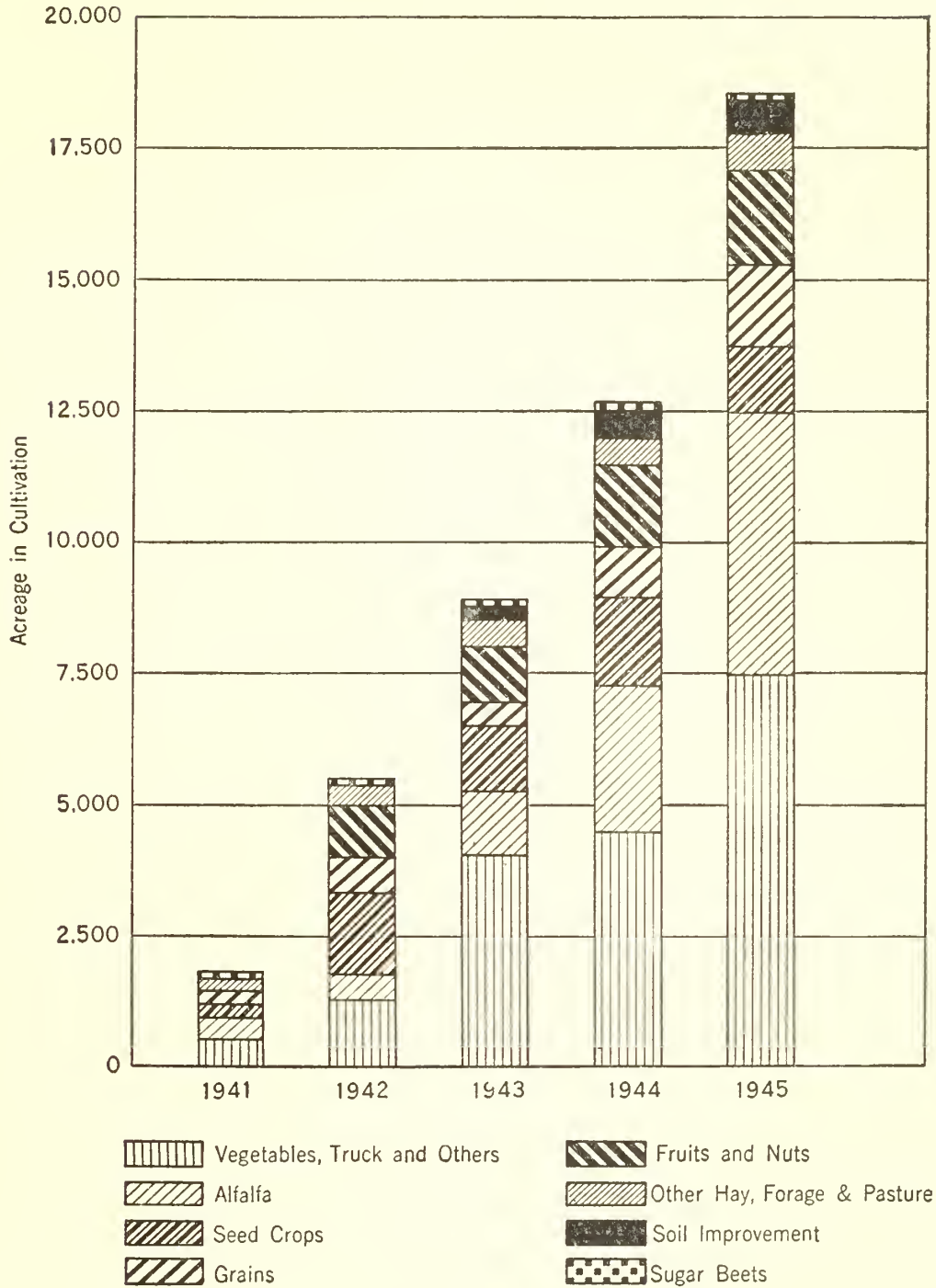
	Fiscal year	Amounts due from contractors	
		Roza Irrigation District	Terrace Heights Irrigation District
	Due to June 30—		
	1955	\$384,600	\$2,909
	1956	384,600	2,909
	1957	384,600	2,909
	1958	384,600	2,909
	1959	384,600	2,909
	1960	384,600	2,909
	1961	384,600	2,909
	1962	384,600	2,909
	1963	384,600	2,909
	1964	384,600	2,909
	1965	384,600	2,909
	1966	384,600	2,909
	1967	384,600	2,909
	1968	384,600	2,909
	1969	384,600	2,909
	1970	384,600	2,909
	1971	384,600	2,909
	1972	384,600	2,909
	1973	384,600	2,909
	1974	384,600	1,456
	1975	384,600	-----
	1976	384,600	-----
	1977	384,600	-----
	1978	384,600	-----
	1979	384,600	-----
	1980	384,600	-----
	1981	384,600	-----
	1982	384,600	-----
	1983	384,600	-----
	1984	384,600	-----
	1985	384,600	-----
	1986	321,800	-----
	1987	295,485	-----
	1988	270,650	-----
	1989	168,540	-----
	1990	133,550	-----
	1991	80,130	-----

¹ For pay-out of \$2,500,000 by the Roza Irrigation District on the cost of the storage system, see "Repayment of Construction Investment" for the Storage Division.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1941	1,860	\$239,417	\$128.72
1942	5,587	905,851	162.14
1943	8,982	2,200,515	244.99
1944	12,578	2,796,783	222.36
1945	18,445	3,736,816	202.59

¹ Includes Government benefit payments.

YAKIMA PROJECT, WASHINGTON ROZA DIVISION CROP HISTORY



Water Service Commenced in 1941

*Storage
Division*

A total of \$8,341,884 has been contracted for repayment by irrigation interests on the Yakima project, for construction of the storage system. Repayments commenced in 1915. On June 30, 1946, a total of \$2,644,821, or 31.7 percent, had become due and \$2,307,602 had been collected and paid the United States on the construction debt. Of the delinquency existing June 30, 1946, \$336,750 was owed by the Office of Indian Affairs for the Wapato project. The fiscal year 1946 Appropriation Act contained an item for payment of these delinquent charges, and transfer of funds to the Bureau has now been made. The remaining delinquency of \$469 has now also been paid.

The Roza Irrigation District will commence

payments on its share of the cost of the storage system on December 31, 1946.

In addition, a total of \$726,408 has been collected from the water users for operation and maintenance of the storage system by the United States, and \$82,362 for rental of stored water.

Determination of repayment obligation as of June 30, 1946:

Cost	\$8, 968, 640
Penalties funded	25
Total	8, 968, 665
Less construction revenues	377, 433
Net	8, 591, 232
Adjustment to be made	¹ 249, 348
Total	8, 341, 884

¹ Decrease. Decrease covers amounts deferred under relief acts.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1915	\$635, 000	\$110, 000		\$110, 000	\$110, 000		\$110, 000	\$110, 000	
1916	635, 000	101, 260		101, 260	101, 260		101, 260	211, 260	
1917	664, 870	100, 744		100, 744	100, 744		100, 744	312, 004	
1918	667, 202	102, 277		102, 277	102, 277		102, 277	414, 281	
1919	668, 202	101, 223		101, 223	100, 523		100, 523	514, 804	
1920	667, 002	101, 764		101, 764	101, 134	\$700	101, 834	616, 638	
1921	¹ 2, 399, 382	57, 613		57, 613	46, 513	630	47, 143	663, 781	
1922	2, 403, 932	49, 569		49, 569	42, 739	11, 100	53, 839	717, 620	
1923	2, 457, 232	60, 282		60, 282	53, 552	6, 830	60, 382	778, 002	
1924	2, 457, 232	54, 765		54, 765	48, 665	6, 730	55, 395	833, 397	
1925	2, 459, 432	63, 365		63, 365	57, 165	6, 100	63, 265	896, 662	
1926	² 4, 152, 732	88, 405		88, 405	82, 305	6, 000	88, 305	984, 967	
1927	4, 153, 092	81, 461		81, 461	81, 025	6, 300	87, 325	1, 072, 292	
1928	4, 153, 092	104, 521		104, 521	104, 285	136	104, 421	1, 176, 713	
1929	4, 153, 252	103, 581		103, 581	103, 581		103, 581	1, 280, 294	
1930	4, 164, 796	105, 535		105, 535	105, 399	536	105, 935	1, 386, 229	
1931	4, 901, 581	107, 211		107, 211	105, 713	136	105, 849	1, 492, 078	
1932	4, 919, 151	100, 986		100, 986	80, 020	1, 498	81, 518	1, 573, 596	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$22,265; 1932, \$100,640; 1933, \$97,636; 1934, \$97,636; 1935, \$97,536; 1936, \$48,750. Adjustment under act of Feb. 24, 1938. Deferred under act of Aug. 4, 1939, construction charges for calendar years 1939, \$29,640; 1940, \$44,640; 1941, \$29,640.
1933	4, 919, 151	101, 373	³ \$466	100, 907	3, 246		3, 246	1, 576, 842	
1934	4, 923, 330	3, 292	³ 117, 518	³ 114, 226	683	2, 957	3, 640	1, 580, 482	
1935	4, 922, 793	112, 356	³ 270	112, 086	14, 807	52	14, 859	1, 595, 341	
1936	⁴ 7, 422, 523	125, 340		125, 340	26, 961	49	27, 010	1, 622, 351	
1937	7, 423, 111	77, 279	³ 195, 001	³ 117, 722	27, 175	877	28, 052	1, 650, 403	
1938	8, 073, 111	125, 481		125, 481	29, 281	419	29, 700	1, 680, 103	
1939	8, 098, 956	87, 584	³ 108, 833	³ 21, 249	17, 891		17, 891	1, 697, 994	
1940	8, 098, 956	107, 737	³ 32, 240	75, 497	70, 115		70, 115	1, 768, 109	
1941	8, 098, 956	106, 367		106, 367	4, 383	65	4, 448	1, 772, 557	
1942	8, 248, 956	92, 721	³ 48, 360	44, 361	23, 065	³ 15, 965	7, 100	1, 779, 657	
1943	8, 248, 956	124, 962		124, 962	87, 545	32, 240	119, 785	1, 899, 442	
1944	8, 248, 956	124, 962		124, 962	119, 785	184	119, 969	2, 019, 411	
1945	8, 504, 634	142, 566		142, 566	90, 768	14, 382	105, 150	2, 124, 561	
1946	8, 341, 884	220, 927		220, 927	183, 041		183, 041	2, 307, 602	
Total		3, 147, 509	³ 502, 688	2, 644, 821	2, 225, 646	81, 956	2, 307, 602		
Collected				2, 307, 602					
Uncollected				⁵ 337, 219					

See footnotes at end of table.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Contracts
	Accruals	Collections	
1915.....	\$131	\$131	1914, act of Aug. 1, 1914. Provides for reimbursement to Reclamation fund for furnishing of 573 second-feet of water to Yakima Indian Reservation in amount of \$635,000.
1916.....	132	132	
1917.....	172	164	1921, Mar. 31. Agreement with Office of Indian Affairs to purchase 250,000 acre-feet of stored water for Yakima Indian Reservation. Estimated cost \$1,625,000. By act of Feb. 24, 1938, repayment period extended to 40 years.
1918.....	21, 287	21, 277	
1919.....	10, 209	10, 201	1936, Sept. 3. Agreement with Office of Indian Affairs to purchase 100,000 acre-feet of stored water. Estimated cost \$800,000, payable in 40 equal annual installments.
1920.....	11, 110	11, 136	
1921.....	21, 487	21, 471	1921, Feb. 16, and 1930, Nov. 1. Contracts with Kittitas Reclamation District to purchase 372,000 acre-feet of stored water. Estimated cost \$2,418,000. Payable in 80 graduated semiannual installments.
1922.....	18, 604	12, 489	
1923.....	26, 018	32, 149	1921, July 8, and 1935, Apr. 15. Contracts with Roza Irrigation District to purchase 375,000 acre-feet of stored water. Estimated cost \$2,500,000. Payable in 80 graduated semiannual installments.
1924.....	20, 471	13, 404	
1925.....	18, 344	20, 578	In addition there are contracts to purchase stored water with 34 districts, companies, and individuals.
1926.....	19, 254	18, 316	
1927.....	25, 568	19, 347	
1928.....	24, 474	36, 465	
1929.....	27, 536	13, 561	
1930.....	37, 544	51, 491	
1931.....	31, 447	31, 439	
1932.....	41, 632	13, 391	
1933.....	15, 645	36, 515	
1934.....	22, 466	20, 990	
1935.....	37, 143	31, 365	
1936.....	30, 165	30, 479	
1937.....	26, 740	28, 584	
1938.....	27, 711	37, 798	
1939.....	28, 206	30, 534	
1940.....	25, 645	25, 646	
1941.....	29, 385	18, 206	
1942.....	17, 097	17, 105	
1943.....	44, 437	29, 336	
1944.....	21, 561	37, 998	
1945.....	31, 876	31, 075	
1946.....	33, 708	23, 635	
Total.....	747, 205	726, 408	

¹ Increase in obligation due to 1921 agreement with Office of Indian Affairs.

² Increase in obligation due to 1921 contract with Kittitas Reclamation District.

³ Decrease. Decreases cover amounts deferred under relief acts.

⁴ Increase in obligation due to 1935 contract with Roza Irrigation District.

⁵ Of this delinquency \$336,750 was due from the Office of Indian Affairs and was paid subsequent to June 30, 1946.

This division is on a 40-year repayment basis.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

Fiscal year	Amounts due from contractors			
	Kittitas Reclamation District	Roza Irrigation District	Office of Indian Affairs	Other
Contract obligation (total \$8,341,884).....	\$2, 223, 000	\$2, 500, 000	\$3,060,000	\$558, 884
Due to June 30—1946.....	429, 780	-----	1, 798, 750	416, 291
1947.....	29, 640	25, 000	57, 417	7, 621
1948.....	59, 280	25, 000	57, 417	12, 167
1949.....	59, 280	25, 000	57, 417	9, 094
1950.....	59, 280	25, 000	57, 417	7, 909
1951.....	59, 280	66, 667	57, 417	6, 924
1952.....	59, 280	66, 667	57, 417	5, 936
1953.....	59, 280	66, 667	57, 417	5, 936
1954.....	59, 280	66, 667	57, 417	5, 936
1955.....	59, 280	66, 667	57, 417	5, 936
1956.....	59, 280	66, 667	57, 417	19, 437
1957.....	59, 280	66, 667	57, 417	5, 936
1958.....	59, 280	66, 667	57, 417	5, 936
1959.....	59, 280	66, 667	57, 417	5, 936
1960.....	59, 280	66, 667	57, 417	5, 936
1961.....	59, 280	66, 667	57, 412	5, 936
1962.....	59, 280	66, 667	20, 000	5, 937
1963.....	59, 280	66, 667	20, 000	5, 937

See footnote at end of table.

Repayment of Construction Investment—Continued

PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors			
		Kittitas Reclamation District	Roza Irrigation District	Office of Indian Affairs	Other
	Due to June 30—1964	\$59,280	\$66,667	\$20,000	\$5,219
	1965	59,280	66,667	20,000	4,500
	1966	59,280	66,667	20,000	4,424
	1967	59,280	66,667	20,000	-----
	1968	59,280	66,667	20,000	-----
	1969	59,280	66,667	20,000	-----
	1970	59,280	66,667	20,000	-----
	1971	59,280	66,667	20,000	-----
	1972	59,280	66,667	20,000	-----
	1973	59,280	66,667	20,000	-----
	1974	59,280	66,667	20,000	-----
	1975	74,100	66,667	20,000	-----
	1976	37,050	66,667	20,000	-----
	1977	37,050	66,667	20,000	-----
	1978	14,820	66,667	20,000	-----
	1979	-----	66,667	20,000	-----
	1980	-----	66,667	20,000	-----
	1981	-----	66,667	20,000	-----
	1982	-----	66,667	-----	-----
	1983	-----	66,667	-----	-----
	1984	-----	66,667	-----	-----
	1985	-----	66,667	-----	-----
	1986	-----	66,655	-----	-----

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

Sunnyside Division

A contract debt of \$4,075,398 has been assumed by project water users for construction of the Sunnyside Division. Repayments began in 1908. On June 30, 1946, a total of \$3,445,569, or 85 percent, had become due and \$3,418,710 had been paid. Most of the unpaid amount of \$26,859 covers current charges. It is expected the major part will be collected before the next installment becomes due.

The Sunnyside Division, by contract of January 3, 1945, has been transferred to the water users for operation and maintenance. Prior to its transfer a total of \$4,317,019 had been collected from the water users for operation and maintenance of the irrigation system by the United States. Collections for water rentals amount to \$108,026.

The storage system, constituting the reserved works of the Yakima project, remains with the United States, and the district pays annually its

pro rata share of its cost of operation and maintenance.

Determination of repayment obligation as of June 30, 1946:

Cost	\$4,214,220
Operation and maintenance funded	35,222
Penalties funded	35,644
Total	4,285,086
Less construction revenues	65,560
Total	4,219,526
Less charge-off, act of May 26, 1926	4,214
Total	4,215,312
Adjustment to be made	¹ 139,914
Total	4,075,398

¹ Decrease. Decrease covers funding of delinquent charges, deferments under relief acts, and cancellations of water-right applications.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1908		\$13, 176		\$13, 176	\$13, 176		\$13, 176	\$13, 176	
1909		49, 904		49, 904	49, 281	\$623	49, 904	63, 080	
1910		159, 962		159, 962	92, 315		92, 315	155, 395	
1911		167, 093		167, 093	89, 528		89, 528	244, 923	
1912		106, 711		106, 711			142, 804	387, 727	
1913		186, 655		186, 655			118, 634	506, 361	
1914		132, 823		132, 823			84, 542	590, 903	
1915	\$1, 625, 123			¹ 122, 918			42, 375	633, 278	1915. Reclamation Extension Act, Aug. 13, 1914.
1916	1, 733, 376			15, 646			45, 951	679, 229	
1917	3, 057, 728			49, 115			45, 760	724, 989	
1918	3, 211, 954			72, 465			84, 856	809, 845	
1919	3, 481, 892			83, 676	1,537,012		83, 273	893, 118	
1920	3, 755, 314			90, 416			97, 177	990, 295	
1921	3, 753, 482			141, 358			106, 730	1, 097, 025	
1922	3, 736, 590			147, 215			129, 153	1, 226, 178	
1923	3, 757, 861			161, 138			139, 250	1, 365, 428	
1924	3, 776, 734			171, 882			181, 921	1, 547, 349	
1925	4, 023, 331			169, 336			59, 409	1, 606, 758	
1926	4, 033, 092			113, 359			175, 177	1, 781, 935	
1927	4, 034, 471	142, 265	¹ \$1, 401	140, 864	152, 008	23, 493	175, 501	1, 957, 436	
1928	4, 032, 897	147, 315	¹ 5, 654	141, 661	73, 316	71, 353	144, 669	2, 102, 105	
1929	4, 033, 462	155, 339	¹ 696	154, 643	65, 981	31, 804	97, 785	2, 199, 890	
1930	4, 045, 117	165, 077	177	165, 254	137, 718	71, 845	209, 563	2, 409, 453	
1931	4, 047, 995	168, 220		168, 220	85, 437	83, 093	168, 530	2, 577, 983	
1932	4, 073, 412	142, 828	¹ 2, 641	140, 187	48, 856	7, 840	56, 696	2, 634, 679	
1933	4, 117, 857	68, 643	¹ 153, 450	¹ 84, 807	10, 502	2, 674	13, 176	2, 647, 855	
1934	4, 138, 507	19, 084	¹ 90, 294	¹ 71, 210	18, 180	¹ 3, 818	14, 362	2, 662, 217	
1935	4, 144, 572	22, 989	¹ 53	22, 936	16, 172	31	16, 203	2, 678, 420	
1936	4, 141, 523	11, 000	¹ 1, 593	9, 407	15, 006	¹ 405	14, 601	2, 693, 021	
1937	4, 137, 668	74, 025		74, 025	39, 832	2, 930	42, 762	2, 735, 783	
1938	4, 138, 781	108, 405		108, 405	38, 030	39, 670	77, 700	2, 813, 483	
1939	4, 139, 000	143, 785		143, 785	49, 763	53, 239	103, 002	2, 916, 485	
1940	4, 139, 091	99, 718		99, 718	47, 617	65, 572	113, 189	3, 029, 674	
1941	4, 138, 821	57, 149		57, 149	51, 663	37, 016	88, 679	3, 118, 353	
1942	4, 138, 952	63, 641		63, 641	53, 262	19, 963	73, 225	3, 191, 578	
1943	4, 138, 993	56, 390		56, 390	53, 820	17, 938	71, 758	3, 263, 336	
1944	4, 137, 087	57, 330		57, 330	52, 260	9, 357	61, 617	3, 324, 953	
1945	4, 075, 398	33, 764		33, 764	19, 232	25, 944	45, 176	3, 370, 129	
1946	4, 075, 398	55, 195		55, 195	32, 868	15, 713	48, 581	3, 418, 710	
Total		3, 701, 174	¹ 255, 605	3, 445, 569	2, 842, 835	575, 875	3, 418, 710		
Collected				3, 418, 710					
Uncollected				26, 859					

1915. Reclamation Extension Act, Aug. 13, 1914.

Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1930, \$49,425; 1931, \$87,501; 1932, \$117,481; 1933, \$123,473; 1934, \$61,389; 1935, \$46,586; 1936, \$28,332. Construction charges deferred under acts of Aug. 21, 1937, May 31, 1939, and Aug. 4, 1939, for calendar years 1937, \$7,598; 1938, \$7,598; 1939, \$18,125; 1940, \$11,737; and 1941, \$2,000.

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1909	\$3, 572	\$3, 572	1908, Nov. 18. Public notice. Construction charge \$52 per acre. Payable in 10 equal annual installments.
1910	19, 805	12, 656	1918, May 6. Public notice. Construction charge \$52 and \$75 per acre. Payable in 20 graduated annual installments.
1911	252, 706	223, 360	1916, Aug. 4; 1927, May 2; 1932, July 5. Contracts with Grandview Irrigation District for construction of pumping plant and for furnishing water supply. Repayment in 40 years from 1917.
1912	50, 191	74, 670	1922, Nov. 20, and 1932, June 7. Contracts with Granger Irrigation District for construction of pumping plant and for furnishing water supply. Repayment in 40 years from 1924.
1913	69, 721	37, 414	1914, Nov. 23; 1916, Aug. 1; 1919, July 1; 1932, Dec. 20. Contracts with Outlook Irrigation District for construction of pumping plant and for water supply. Repayment in 40 years from 1917.
1914	66, 925	90, 475	1917, Dec. 1; 1919, Feb. 27; 1922, Nov. 7; and 1932, Jan. 1. Contracts with Prosser Irrigation District for construction of pumping plant and for water supply. Repayment in 40 years from 1919.
1915	45, 054	34, 741	1914, Nov. 16; 1917, Apr. 4; 1926, June 11; and 1932, Sept. 26. Contracts with Snipes Mountain Irrigation District for construction of pumping plant and for water supply. Repayment in 40 years from 1916.
1916	69, 883	66, 408	
1917	84, 324	80, 670	
1918	80, 905	89, 981	
1919	112, 847	120, 542	
1920	134, 255	145, 214	
1921	147, 936	101, 509	
1922	152, 941	153, 441	
1923	149, 807	138, 902	
1924	150, 973	148, 050	
1925	147, 577	97, 512	
1926	152, 324	170, 796	

¹ Decrease. Decreases cover funding of delinquent charges, deferments under relief acts, and cancellations of water-right applications.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1927	\$142, 187	\$160, 625	1914, Oct. 6; 1926, June 14; and 1932, Apr. 2. Contracts with Sunnyside Irrigation District for construction of pumping plant and furnishing water supply. Repayment in 40 years from 1916.
1928	137, 407	144, 866	
1929	133, 504	99, 661	1918, Mar. 16. Contract with Sunnyside Valley Irrigation District. District assumes obligations under individual water-right applications and for water-right at \$64 per acre for lands in district not under water-right application.
1930	135, 283	185, 275	
1931	133, 958	127, 171	1945, Jan. 3. Contract with Sunnyside Valley Irrigation District. District agrees to pay charges on suspended lands in 10 annual installments from Dec. 1, 1946.
1932	130, 727	91, 248	
1933	108, 511	85, 255	
1934	101, 308	160, 276	
1935	102, 041	117, 933	
1936	110, 940	111, 332	
1937	117, 504	121, 879	
1938	121, 249	113, 744	
1939	121, 401	117, 426	
1940	131, 223	123, 121	
1941	130, 579	132, 535	
1942	136, 396	136, 007	
1943	141, 589	156, 244	
1944	130, 526	140, 069	
1945	130, 571	142, 821	
1946	38, 174	59, 618	
Total	4, 326, 824	4, 317, 019	

This division is on a 40-year repayment basis. Repayment is scheduled to be completed in 1970, including amounts deferred.

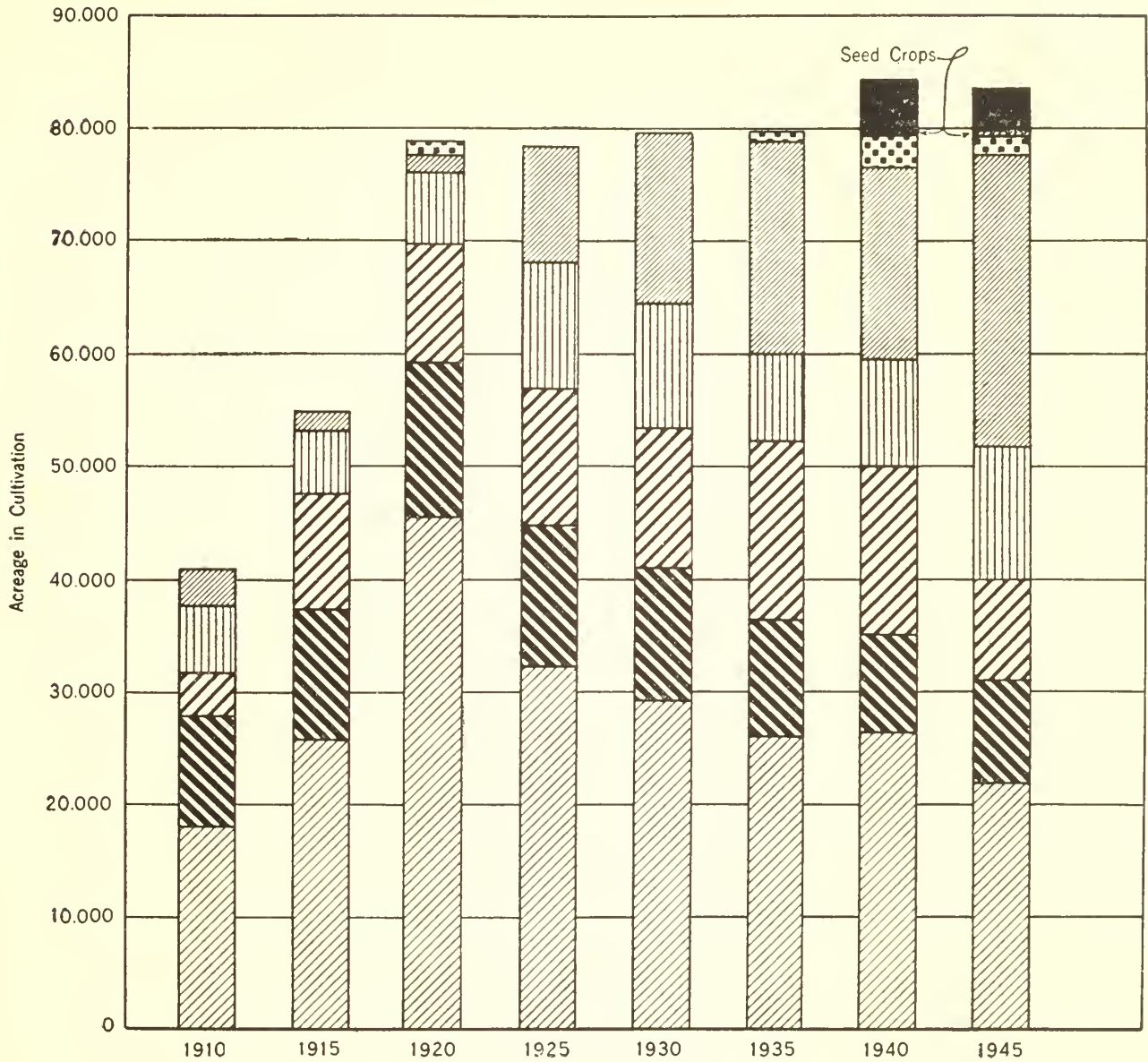
Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amounts due from contractors		
		Sunnyside Valley Irrigation District	Warren Act contractors	Small Irrigation districts
Contract obligation (total \$4,075,398)		\$2, 270, 050	\$59, 337	\$1, 746, 011
	Due to June 30—1946	2, 185, 010	58, 699	1, 201, 860
	1947	21, 396	188	38, 832
	1948	14, 954	188	38, 938
	1949	7, 688	61	38, 832
	1950	6, 803	61	38, 832
	1951	6, 300	15	38, 832
	1952	5, 966	15	38, 252
	1953	5, 836	40	37, 779
	1954	5, 410	40	37, 886
	1955	5, 205	30	38, 372
	1956	5, 208		34, 801
	1957	121		27, 359
	1958	110		27, 359
	1959	43		19, 098
	1960			11, 754
	1961			13, 679
	1962			13, 679
	1963			6, 694
	1964			6, 694
	1965			6, 694
	1966			6, 694
	1967			6, 509
	1968			5, 682
	1969			5, 019
	1970			5, 881

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

YAKIMA PROJECT, WASHINGTON
 SUNNYSIDE DIVISION
 CROP HISTORY



- | | |
|--|---|
|  Alfalfa |  Other Hay, Forage & Pasture |
|  Fruits and Nuts |  Sugar Beets |
|  Grains |  Seed Crops |
|  Vegetables, Truck and Others |  Soil Improvement |

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1907 ²	40,000	\$2,000,000	\$50.00
1908 ²	42,300	2,961,000	70.00
1909 ²	46,900	3,000,000	63.97
1010 ²	41,100	3,326,220	80.93
1911 ²	40,200	3,537,258	87.99
1912	44,261	3,158,857	71.37
1913	46,230	2,820,786	61.02
1914	49,273	2,858,845	58.02
1915	54,919	2,750,326	50.08
1916	59,449	4,341,940	73.04
1917	65,803	8,006,230	121.67
1918	70,465	7,213,392	102.37
1919	75,886	12,678,247	167.07
1920	78,940	8,330,400	105.53
1921	80,680	7,797,000	96.64
1922	80,760	6,309,920	78.13
1923	80,020	7,766,400	97.06
1924	78,130	4,923,820	63.02
1925	78,474	8,978,767	114.42
1926	79,750	6,271,350	78.64
1927	80,090	4,903,200	61.22
1928	80,090	5,467,160	68.26
1929	79,075	7,947,570	100.51
1930	79,515	4,638,820	58.34
1931	78,640	2,525,622	32.12
1932	78,882	1,827,912	23.17
1933	79,214	3,101,455	39.15
1934	79,954	3,334,685	41.71
1935	79,561	3,143,676	39.51
1936	75,553	4,528,015	59.93
1937	83,420	3,175,629	38.07
1938	83,863	3,242,351	38.66
1939	84,684	3,188,272	37.65
1940	84,324	3,712,370	44.03
1941	84,146	5,183,446	61.60
1942	83,642	8,312,819	99.39
1943	84,680	12,582,440	148.59
1944	83,520	13,084,631	156.66
1945	83,465	14,829,247	177.67

¹ Includes Government benefit payments.

² Estimated.

Tieton Division

The Tieton Division was built by the United States in 1906 and repayments began in 1911. The repayment contract total is \$3,466,052 and to June 30, 1946, \$3,443,271, or 99 percent, had become due. Under the 20-year repayment period in effect, there was a remaining construc-

tion obligation of \$22,781 due from a small number of individuals.

An amendatory contract has been negotiated and was approved by vote of the Yakima-Tieton Irrigation District in December 1946, to provide for the transfer of operation and maintenance of the distribution system to the district. The contract also provides that the remaining construction obligation is to be paid prior to or on execution of the contract. Final payment is scheduled for the end of January 1947. The Tieton Division will be the first major Federal reclamation development to complete its construction payments to the United States.

To June 30, 1946, a total of \$2,629,560 had been collected from the water users for operation and maintenance by the United States. Water-rental collections have amounted to \$8,567.

The storage system, constituting the reserved works of the Yakima project, and which also serves other divisions of the project, remains with the United States. The district will continue to pay annually to the United States a pro rata share of the cost of operation and maintenance of the storage system.

Determination of repayment obligation as of June 30, 1946:

Cost	\$3,399,497
Operation and maintenance funded	39,659
Penalties funded	23,323
Total	3,462,479
Less construction revenues	13,446
Net	3,449,033
Adjustment to be made	17,019
Total	3,466,052

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks		
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total				
1911		\$180,217		\$180,217	\$4,250		\$4,250	\$4,250			
1912		53,726		53,726			76,912	81,162			
1913		49,387		49,387	58,035	\$26,507	84,542	165,704			
1914		129,653		129,653			22,603	188,307			
1915	\$2,577,681			¹ 173,298			35,548	223,855	1915. Reclamation Extension Act, Aug. 13, 1914.		
1916	2,716,638			46,300			43,588	267,443			
1917	2,833,896			53,342			55,288	322,731			
1918	2,893,970			52,190			50,968	373,699			
1919	2,917,495			91,973			87,376	461,075			
1920	2,944,445	961,475		100,400	1,145,190		104,965	566,040			
1921	3,005,719			146,572			115,443	681,483			
1922	3,060,747			154,093			140,978	822,461			
1923	3,434,079			161,578			138,555	961,016			
1924	3,434,322			163,123			123,261	1,084,277			
1925	3,434,541			165,202			149,705	1,233,982			
1926	3,434,541		167,994			167,994	98,459	77,723		176,182	1,410,164
1927	3,434,761		170,382	¹ \$1,079		169,303	75,203	76,006		151,209	1,561,373
1928	3,384,384		169,379	¹ 26,630		142,749	82,723	112,903		195,626	1,756,999
1929	3,384,384		170,227			170,227	84,203	92,781		176,984	1,933,983
1930	3,442,728	169,846	¹ 3,518	166,328	81,999	84,111	166,110	2,100,093			
1931	3,442,728	170,875	¹ 660	170,215	73,248	88,125	161,373	2,261,466			
1932	3,442,728	171,444		171,444	36,816	19,930	56,746	2,318,212			
1933	3,447,904	100,187	¹ 217,727	¹ 117,540	25,400	¹ 8,473	16,927	2,335,139			
1934	3,442,770	20,236	¹ 87,612	¹ 67,376	11,902	¹ 12,540	¹ 638	2,334,501			
1935	3,481,053	9,604	¹ 2,982	6,622	8,959	9,167	18,126	2,352,627			
1936	3,481,076	12,023	¹ 2,521	9,502	12,024	¹ 1,909	10,115	2,362,742			
1937	3,466,111	99,830	¹ 1,921	97,909	51,208	¹ 858	50,350	2,413,092			
1938	3,466,052	161,377		161,377	45,616	42,788	88,404	2,501,496			
1939	3,466,052	157,491		157,491	41,037	34,988	76,025	2,577,521			
1940	3,466,052	155,244	¹ 128,264	26,980	27,596	70,828	98,424	2,675,945			
1941	3,466,052	162,082	¹ 49,941	112,141	35,262	77,011	112,273	2,788,218			
1942	3,466,052	152,292	¹ 48,838	103,454	53,093	78,510	131,603	2,919,821			
1943	3,466,052	161,069		161,069	146,909	101,073	247,982	3,167,803			
1944	3,466,052	170,978		170,978	167,784	15,018	182,802	3,350,605			
1945	3,466,052	71,715		71,715	69,529	4,202	73,731	3,424,336			
1946	3,466,052	16,231		16,231	12,775	2,091	14,866	3,439,202			
Total		4,014,964	¹ 571,693	3,443,271	2,449,220	989,982	3,439,202				
Collected				3,439,202							
Uncollected				4,069							

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1911	\$29,067	\$13,048	1910, Nov. 7. Public notice. Construction charge \$93 per acre, payable in 10 equal annual installments.
1912	8,666	23,281	
1913	53,125	23,227	1920, July 29. Public notice. Construction charge \$110 per acre, payable in 20 graduated installments.
1914	41,596	63,756	
1915	¹ 7,663	1,298	1918, July 18, and 1936, Jan. 11. Contracts with Yakima-Tieton Irrigation District for supplemental construction work. Cost \$372,057. Payable in 8 equal semiannual installments beginning with year 1940.
1916	40,727	25,653	
1917	39,999	36,590	1929, Oct. 27. Contract with Tieton Water Users' Association for purchase of water appurtenant to canceled water-right applications. Cost \$65,901. Payable in 40 graduated semiannual installments beginning with year 1930.
1918	50,857	46,362	
1919	53,855	57,051	
1920	60,953	66,099	
1921	87,139	64,373	
1922	106,331	92,033	
1923	90,093	91,375	
1924	89,277	72,547	
1925	92,179	91,293	
1926	76,762	85,467	
1927	92,649	85,559	
1928	82,300	107,737	
1929	98,518	98,933	
1930	100,932	99,384	
1931	106,518	97,700	
1932	89,614	73,453	
1933	94,759	81,280	
1934	67,936	105,146	

¹ Decrease. Decreases cover delinquent charges funded, charges deferred under relief acts, and cancellation of water-right applications.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1935	\$77, 781	\$71, 840	
1936	86, 269	82, 724	
1937	79, 212	91, 548	
1938	79, 151	69, 918	
1939	87, 581	78, 140	
1940	88, 505	94, 776	
1941	87, 863	91, 580	
1942	74, 709	91, 086	
1943	86, 087	102, 706	
1944	84, 606	91, 026	
1945	83, 153	87, 444	
1946	84, 108	74, 127	
Total	2, 645, 214	2, 629, 560	

This division is paying on the basis of individual water-right applications. Repayment is expected to be completed in 1952.

Repayment of Construction Investment

PAY-OUT SCHEDULE ¹

	Fiscal year	Amount
Contract obligation		\$3, 466, 052
	Due to June 30—1946	3, 443, 271
	1947	7, 942
	1948	7, 934
	1949	4, 836
	1950	2, 035
	1951	17
	1952	17

¹ Schedule prepared on assumption that delinquency existing June 30, 1946, will be paid concurrently with remaining installments.

Contractors: Yakima-Tieton Irrigation District, Tieton Water Users' Association, and individual water-right applicants.

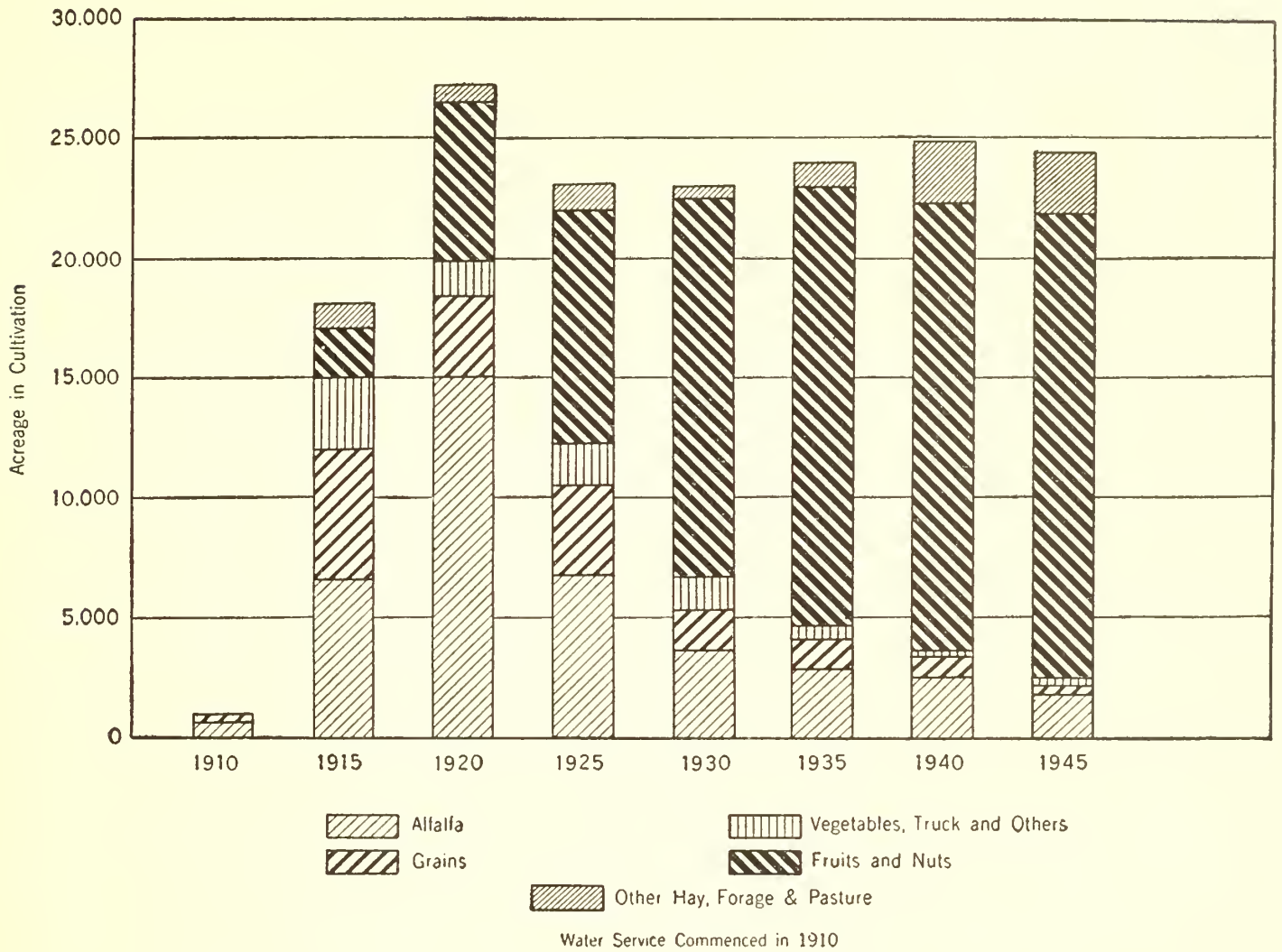
Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1910	1, 695	\$49, 000	\$28. 91
1911	5, 030	206, 519	41. 06
1912	9, 717	272, 070	28. 00
1913	12, 595	422, 950	33. 58
1914	15, 920	472, 480	29. 68
1915	18, 100	668, 650	36. 94
1916	21, 000	1, 102, 536	52. 50

See footnote at end of table.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1917	24, 425	\$1, 777, 595	\$72. 78
1918	25, 845	2, 516, 251	97. 36
1919	26, 300	4, 053, 168	154. 11
1920	27, 250	3, 471, 400	127. 39
1921	27, 200	3, 166, 410	116. 41
1922	26, 400	2, 528, 830	95. 79
1923	25, 550	2, 840, 370	111. 17
1924	24, 550	3, 194, 820	130. 14
1925	23, 100	3, 025, 301	130. 97
1926	23, 100	2, 059, 950	89. 18
1927	22, 500	3, 379, 860	150. 22
1928	22, 250	2, 775, 770	124. 75
1929	22, 600	4, 484, 350	198. 42
1930	23, 000	3, 104, 575	134. 98
1931	21, 170	1, 920, 856	90. 73
1932	22, 900	775, 536	33. 87
1933	23, 850	2, 078, 394	87. 14
1934	23, 710	2, 913, 150	122. 87
1935	24, 080	2, 540, 317	105. 49
1936	24, 218	3, 405, 500	140. 62
1937	25, 430	2, 470, 460	97. 15
1938	25, 202	3, 064, 908	121. 61
1939	24, 920	3, 252, 242	130. 51
1940	24, 880	3, 415, 498	137. 28
1941	24, 320	6, 884, 979	283. 10
1942	24, 716	10, 530, 454	426. 06
1943	25, 658	14, 040, 657	547. 22
1944	24, 926	14, 914, 114	598. 34
1945	24, 576	20, 979, 434	853. 66

¹ Includes Government benefit payments.

YAKIMA PROJECT, WASHINGTON
 TIETON DIVISION
 CROP HISTORY



Power and Irrigation Summary—Status of Repayment Account

ALL DIVISIONS

Fiscal year	Repayable			Pay-out schedule			Balance repayable
	Total	Irrigation contracts	Cost of power system	Total	Irrigation	Power	
1908				\$13, 176	\$13, 176		
1909				49, 904	49, 904		
1910				92, 315	92, 315		
1911				93, 778	93, 778		
1912				219, 716	219, 716		
1913				203, 176	203, 176		
1914				107, 145	107, 145		
1915	\$4, 837, 804	\$4, 837, 804		187, 923	187, 923		\$3, 870, 671
1916	5, 085, 014	5, 085, 014		190, 799	190, 799		3, 927, 082
1917	6, 556, 494	6, 556, 494		201, 792	201, 792		5, 196, 770
1918	6, 773, 126	6, 773, 126		238, 101	238, 101		5, 175, 301
1919	7, 067, 589	7, 067, 589		271, 172	271, 172		5, 198, 592
1920	7, 366, 761	7, 366, 761		303, 976	303, 976		5, 193, 788
1921	9, 158, 583	9, 158, 583		269, 316	269, 316		6, 716, 294
1922	9, 201, 269	9, 201, 269		323, 970	323, 970		6, 435, 010
1923	9, 649, 172	9, 649, 172		338, 187	338, 187		6, 544, 726
1924	9, 668, 268	9, 668, 268		360, 577	360, 577		6, 203, 245
1925	9, 917, 304	9, 917, 304		272, 379	272, 379		6, 179, 902
1926	20, 620, 365	20, 620, 365		439, 664	439, 664		16, 443, 299
1927	20, 622, 324	20, 622, 324		414, 035	414, 035		16, 031, 223
1928	20, 570, 373	20, 570, 373		444, 716	444, 716		15, 534, 556
1929	20, 571, 098	20, 571, 098		378, 350	378, 350		15, 156, 931
1930	20, 652, 641	20, 652, 641		481, 608	481, 608		14, 756, 866
1931	21, 392, 304	21, 392, 304		435, 752	435, 752		15, 060, 777
1932	21, 800, 038	21, 435, 291	\$364, 747	194, 960	194, 960		15, 273, 551
1933	22, 086, 045	21, 484, 912	601, 133	56, 153	33, 349	\$22, 804	15, 503, 405
1934	22, 105, 451	21, 504, 607	600, 844	32, 735	17, 364	15, 371	15, 490, 076
1935	22, 149, 262	21, 548, 418	600, 844	59, 984	49, 188	10, 796	15, 473, 903
1936	24, 645, 966	24, 045, 122	600, 844	49, 275	51, 726	12, 451	17, 921, 332
1937	39, 627, 734	39, 026, 890	600, 844	118, 139	121, 164	13, 025	32, 784, 961
1938	40, 278, 788	39, 677, 944	600, 844	283, 915	259, 475	24, 440	33, 152, 100
1939	40, 304, 852	39, 704, 008	600, 844	294, 096	269, 586	24, 510	32, 884, 068
1940	40, 294, 943	39, 694, 099	600, 844	360, 533	338, 824	21, 709	32, 513, 626
1941	40, 382, 773	39, 781, 929	600, 844	228, 534	205, 400	23, 134	32, 372, 922
1942	40, 532, 904	39, 932, 060	600, 844	310, 783	288, 055	22, 728	32, 212, 270
1943	40, 532, 945	39, 932, 101	600, 844	634, 212	593, 191	41, 021	31, 578, 099
1944	40, 531, 039	39, 930, 195	600, 844	494, 422	449, 552	44, 870	31, 081, 771
1945	40, 725, 028	40, 124, 184	600, 844	368, 128	318, 067	50, 061	30, 907, 632
1946	40, 553, 931	39, 953, 087	600, 844	401, 815	350, 787	51, 028	30, 334, 720
1947	40, 553, 931	39, 953, 087	600, 844	770, 944	740, 329	30, 615	29, 563, 776
1948	40, 553, 931	39, 953, 087	600, 844	470, 034	439, 419	30, 615	29, 093, 742
1949	40, 553, 931	39, 953, 087	600, 844	486, 539	443, 774	42, 765	28, 607, 203
1950	40, 553, 931	39, 953, 087	600, 844	583, 808	541, 043	42, 765	28, 023, 395
1951	40, 553, 931	39, 953, 087	600, 844	656, 913	614, 148	42, 765	27, 366, 482
1952	40, 553, 931	39, 953, 087	600, 844	709, 181	666, 416	42, 765	26, 657, 301
1953	40, 553, 931	39, 953, 087	600, 844	768, 233	746, 675	21, 558	25, 889, 068
1954	40, 553, 931	39, 953, 087	600, 844	746, 356	746, 356		25, 142, 712
1955	40, 553, 931	39, 953, 087	600, 844	746, 627	746, 627		24, 396, 085
1956	40, 553, 931	39, 953, 087	600, 844	756, 530	756, 530		23, 639, 555
1957	40, 553, 931	39, 953, 087	600, 844	730, 500	730, 500		22, 909, 055
1958	40, 553, 931	39, 953, 087	600, 844	730, 489	730, 489		22, 178, 566
1959	40, 553, 931	39, 953, 087	600, 844	722, 161	722, 161		21, 456, 405
1960	40, 553, 931	39, 953, 087	600, 844	714, 774	714, 774		20, 741, 631
1961	40, 553, 931	39, 953, 087	600, 844	716, 694	716, 694		20, 024, 937
1962	40, 553, 931	39, 953, 087	600, 844	679, 283	679, 283		19, 345, 654
1963	40, 553, 931	39, 953, 087	600, 844	672, 298	672, 298		18, 673, 356
1964	40, 553, 931	39, 953, 087	600, 844	671, 580	671, 580		18, 001, 776
1965	40, 553, 931	39, 953, 087	600, 844	670, 861	670, 861		17, 330, 915
1966	40, 553, 931	39, 953, 087	600, 844	670, 785	670, 785		16, 660, 130
1967	40, 553, 931	39, 953, 087	600, 844	666, 176	666, 176		15, 993, 954
1968	40, 553, 931	39, 953, 087	600, 844	665, 349	665, 349		15, 328, 605
1969	40, 553, 931	39, 953, 087	600, 844	664, 686	664, 686		14, 663, 919
1970	40, 553, 931	39, 953, 087	600, 844	665, 548	665, 548		13, 998, 371
1971	40, 553, 931	39, 953, 087	600, 844	659, 667	659, 667		13, 338, 704
1972	40, 553, 931	39, 953, 087	600, 844	659, 667	659, 667		12, 679, 037
1973	40, 553, 931	39, 953, 087	600, 844	659, 667	659, 667		12, 019, 370
1974	40, 553, 931	39, 953, 087	600, 844	658, 214	658, 214		11, 361, 156
1975	40, 553, 931	39, 953, 087	600, 844	671, 578	671, 578		10, 689, 578
1976	40, 553, 931	39, 953, 087	600, 844	634, 528	634, 528		10, 055, 050
1977	40, 553, 931	39, 953, 087	600, 844	634, 528	634, 528		9, 420, 522

Power and Irrigation Summary—Status of Repayment Account—Continued

ALL DIVISIONS—Continued

Fiscal year	Repayable			Pay-out schedule			Balance repayable
	Total	Irrigation contracts	Cost of power system	Total	Irrigation	Power	
1978.....	\$40, 553, 931	\$39, 953, 087	\$600, 844	\$612, 298	\$612, 298	-----	\$8, 808, 224
1979.....	40, 553, 931	39, 953, 087	600, 844	597, 478	597, 478	-----	8, 210, 746
1980.....	40, 553, 931	39, 953, 087	600, 844	597, 478	597, 478	-----	7, 613, 268
1981.....	40, 553, 931	39, 953, 087	600, 844	597, 478	597, 478	-----	7, 015, 790
1982.....	40, 553, 931	39, 953, 087	600, 844	577, 478	577, 478	-----	6, 438, 312
1983.....	40, 553, 931	39, 953, 087	600, 844	577, 478	577, 478	-----	5, 860, 834
1984.....	40, 553, 931	39, 953, 087	600, 844	577, 478	577, 478	-----	5, 283, 356
1985.....	40, 553, 931	39, 953, 087	600, 844	577, 478	577, 478	-----	4, 705, 878
1986.....	40, 553, 931	39, 953, 087	600, 844	514, 666	514, 666	-----	4, 191, 212
1987.....	40, 553, 931	39, 953, 087	600, 844	421, 696	421, 696	-----	3, 769, 516
1988.....	40, 553, 931	39, 953, 087	600, 844	396, 861	396, 861	-----	3, 372, 655
1989.....	40, 553, 931	39, 953, 087	600, 844	294, 751	294, 751	-----	3, 077, 904
1990.....	40, 553, 931	39, 953, 087	600, 844	259, 761	259, 761	-----	2, 818, 143
1991.....	40, 553, 931	39, 953, 087	600, 844	206, 341	206, 341	-----	2, 611, 802
1992.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	2, 485, 591
1993.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	2, 359, 380
1994.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	2, 233, 169
1995.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	2, 106, 958
1996.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	1, 980, 747
1997.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	1, 854, 536
1998.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	1, 728, 325
1999.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	1, 602, 114
2000.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	1, 475, 903
2001.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	1, 349, 692
2002.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	1, 223, 481
2003.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	1, 097, 270
2004.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	971, 059
2005.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	844, 848
2006.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	718, 637
2007.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	592, 426
2008.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	466, 215
2009.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	340, 004
2010.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	213, 793
2011.....	40, 553, 931	39, 953, 087	600, 844	126, 211	126, 211	-----	87, 582
2012.....	40, 553, 931	39, 953, 087	600, 844	87, 582	87, 582	-----	0
Total.....				40, 553, 931	39, 953, 087	-----	600, 844

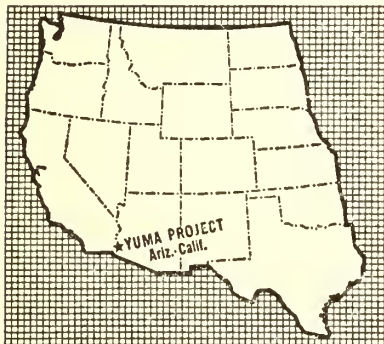
This schedule provides only for repayment of the project construction investment. The schedule, separately published, based on amortization of all investment allocated to power with 3 percent interest in 50 years and application of the interest component to irrigation costs, provides further for retirement of the district's obligation incurred in the purchase of the dam and right of way in the amount of \$196,000. Under the latter schedule, repayment is not completed until the year 1958.

Yuma Project

Arizona-California . . .

. . . Region III

UNITED STATES DEPARTMENT OF THE INTERIOR, J. A. KRUG, *Secretary*
 BUREAU OF RECLAMATION, MICHAEL W. STRAUS, *Commissioner*



LOCATION OF PROJECT

Laguna Dam.—Laguna Dam on the Colorado River was built in connection with the Yuma project and included in the original cost of the Yuma project, and in the public notices announcing

the repayment obligation.

Later it was planned that the All-American Canal, when built, would connect at Laguna Dam and in 1918 the Imperial Irrigation District contracted to repay part of the cost of Laguna Dam, and in 1934 the Coachella Valley County Water District and the city of San Diego assumed a portion of the cost. Payments by the Imperial

Irrigation District began in 1920. The total obligation of these contractors, in the amount of \$1,608,640 has become due and has been paid in its entirety. The total cost of Laguna Dam was \$2,101,374.

Since the payments by the California interests constitute an overlap of charges accruing against the Yuma project, the Yuma water users have been receiving credits (acts of June 28, 1926, 44 Stat. 776, and February 26, 1929, 45 Stat. 1321), on construction and operation and maintenance charges for the payments made by the Imperial Irrigation District, et al.

Determination of repayment obligation as of June 30, 1946:

Construction cost	\$1, 600, 000
Penalties funded	8, 640
Total	1, 608, 640

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1920	\$1,600,000	\$32,000		\$32,000	\$32,000		\$32,000	\$32,000	
1921	1,600,000	32,000		32,000	32,000		32,000	64,000	
1922	1,600,000	32,000		32,000	32,000		32,000	96,000	
1923	1,600,000	32,000		32,000	32,000		32,000	128,000	
1924	1,600,000	64,000		64,000			0	128,000	
1925	1,600,000	64,000		64,000	64,000	\$64,000	128,000	256,000	
1926	1,600,000	96,000		96,000	96,000		96,000	352,000	
1927	1,600,000	96,000		96,000	96,000		96,000	448,000	
1928	1,600,000	96,000		96,000	96,000		96,000	544,000	
1929	1,600,000	96,000		96,000	96,000		96,000	640,000	
1930	1,600,000	96,000		96,000	96,000		96,000	736,000	
1931	1,600,000	96,000		96,000	96,000		96,000	832,000	
1932	1,600,000			0			0	832,000	
1933	1,600,000	48,000		48,000	48,000		48,000	880,000	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936.
1934	1,609,358		¹ \$48,000	¹ 48,000		¹ 48,000	¹ 48,000	832,000	
1935	1,617,280			0			0	832,000	
1936	1,608,640			0			0	832,000	Construction charges deferred for calendar years 1931, \$96,000; 1932, \$96,000; 1933, \$96,000; 1934, \$96,000; 1935, \$96,000; and 1936, \$48,000.
1937	1,608,640	48,000		48,000	48,000		48,000	880,000	
1938	1,608,640	96,000		96,000	96,000		96,000	976,000	Construction charges deferred under act of Aug. 4, 1939, for year 1939, \$97,159; 1940, \$86,440.
1939	1,608,640	96,000		96,000	96,000		96,000	1,072,000	
1940	1,608,640	12,440		12,440	1,165		1,165	1,073,165	
1941	1,608,640	1,165		1,165	1,165	11,275	12,440	1,085,605	
1942	1,608,640	98,880		98,880	98,880		98,880	1,184,485	
1943	1,608,640	96,000		96,000	96,000		96,000	1,280,485	
1944	1,608,640	96,000		96,000	96,000		96,000	1,376,485	
1945	1,608,640	59,275		59,275	59,275		59,275	1,435,760	
1946	1,608,640	172,880		172,880	172,880		172,880	1,608,640	
Total Collected		1,656,640	¹ 48,000	1,608,640	1,581,365	27,275	1,608,640		
Uncollected				0					

¹ Decrease. Covers amount deferred under relief acts.

Repayment completed.

Contracts

1918, Oct. 23. Contract with Imperial Irrigation District to pay cost of Laguna Dam in the amount of \$1,600,000 in 20 graduated annual installments.
 1934, Oct. 15. Contract with Coachella Valley County Water District under which district assumes obligation to pay portion of debt of Imperial Irrigation District.

1934, Oct. 2. Contract with the City of San Diego under which the city assumes obligation to pay portion of debt of Imperial Irrigation District.

Mesa Division

In the Mesa Division, Arizona, water rights have been sold at a construction charge of \$200 per acre and the public land at \$25 per acre. Payments have been permitted in 10 equal annual installments under the act of February 21, 1925. The total repayment obligation is presently \$724,033. Of this amount \$639,273, or 88 percent, had become due on June 30, 1946, and \$639,067 was paid, on an individual water right application basis. The delinquency of \$206 has since been paid. The remaining balance, carried by a few tracts of land, will be paid out by 1955.

To June 30, 1946, a total of \$664,623 had been

collected from the water users for operation and maintenance and \$31,361 for water rentals.

The Bureau deals directly with the water users; no irrigation district has been formed to execute a repayment contract.

Determination of repayment obligation as of June 30, 1946:

Cost \$902,651
 Less construction revenues 2,251

Total 900,400
 Future water-right applications ¹176,367

Total 724,033

¹ Decrease. Decrease represents cancellation of water-right applications.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total	
1921	\$1,208,056	\$604,028		\$604,028	\$423,388		\$423,388	\$423,388
1922	1,206,056	300,514		300,514	72,638	\$27,645	100,283	523,671
1923	1,139,390	297,348	¹ \$12,500	284,848	64,176	105,796	169,972	693,643
1924	1,065,557	290	¹ 124,993	124,703	290	6,140	6,430	700,073
1925	952,476	290	¹ 113,080	112,790	250	¹ 14,334	¹ 14,084	685,989
1926	843,807	290	¹ 108,669	108,379	290	¹ 12,027	¹ 11,737	674,252
1927	829,379	1,202	¹ 36,976	35,774	622	6,910	7,532	681,784
1928	712,785	0	¹ 107,500	107,500	0	¹ 48,785	¹ 48,785	632,999
1929	645,502	2,252	¹ 67,329	65,077	2,217	¹ 48,108	¹ 45,891	587,108
1930	607,571	696	¹ 45,586	44,890	348	809	1,157	588,265
1931	603,851	696	¹ 2,990	2,294	232	¹ 2,770	¹ 2,538	585,727
1932	604,993	812	2,663	3,475	232	2,943	3,175	588,902
1933	605,679	812	2,312	3,124	0	421	421	589,323
1934	604,885	812	¹ 1,928	1,116	232	¹ 1,309	¹ 1,077	588,246
1935	604,053	1,508	¹ 294	1,214	1,044	727	1,771	590,017
1936	596,815	1,537	¹ 8,017	6,480	940	¹ 6,309	¹ 5,369	584,648
1937	590,589	227	¹ 4,503	4,276	227	¹ 3,250	¹ 3,023	581,625
1938	584,577	226	¹ 5,069	4,843	226	¹ 4,986	¹ 4,760	576,865
1939	579,039	221	¹ 4,175	3,954	221	¹ 4,698	¹ 4,477	572,388
1940	579,106	116	2,191	2,307	116	2,919	3,035	575,423
1941	578,000	119	¹ 618	1,499	118	¹ 859	¹ 741	574,682
1942	578,030	119	508	627	119	522	641	575,323
1943	578,058	119	261	380	119	738	857	576,180
1944	585,018	6,960	116	7,076	6,960	116	7,076	583,256
1945	² 608,824	16,498		16,498	16,498		16,498	599,754
1946	724,033	37,757		37,757	37,550	1,763	39,313	639,067
Total		1,275,449	¹ 636,176	639,273	629,053	10,014	639,067	
Collected				639,067				
Uncollected				206				

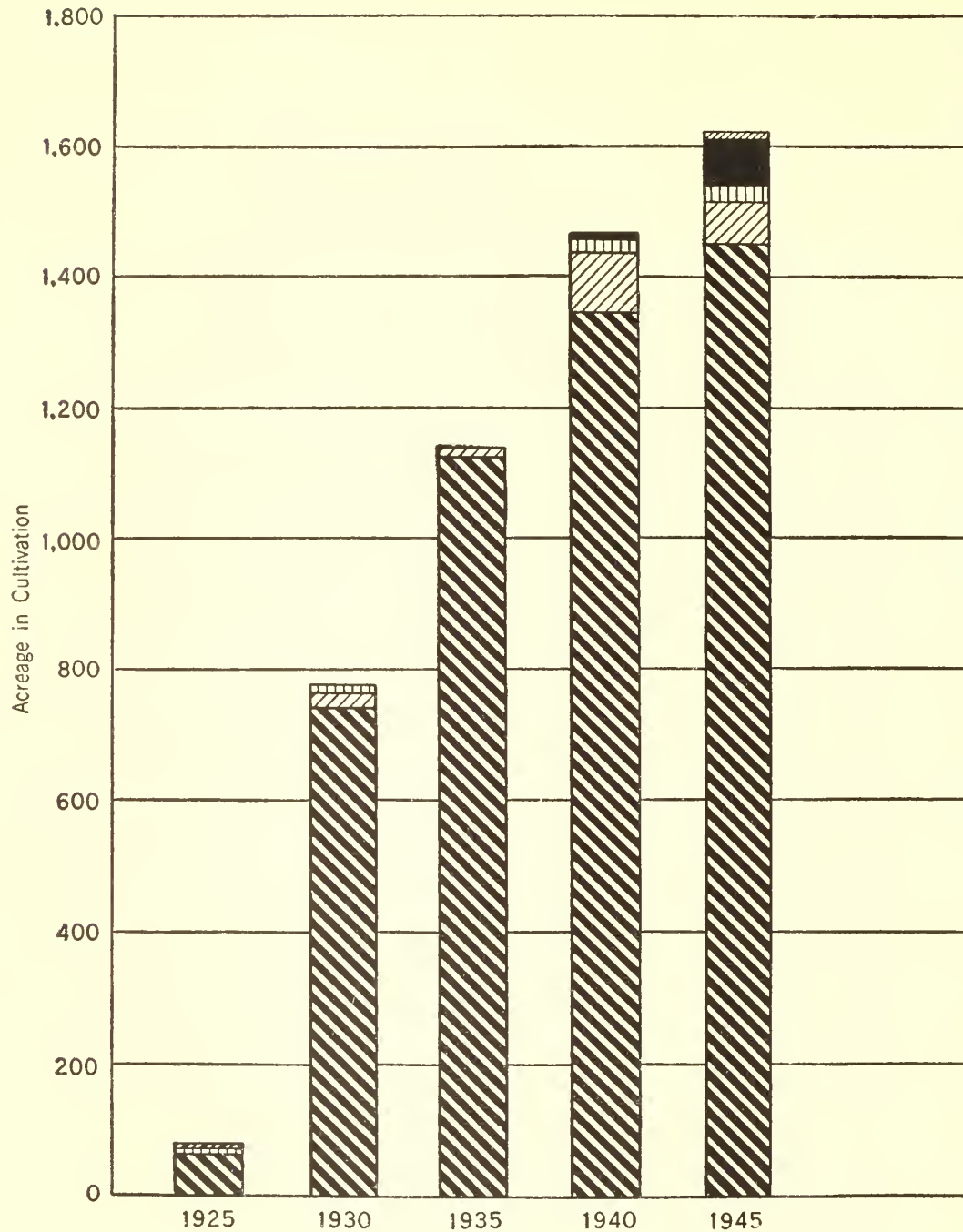
Fiscal year	Operation and maintenance		Public notices
	Accruals	Collections	
1921			1919, Oct. 3. Sale of lands and water rights. Construction charge \$200 per acre; land charge \$25 per acre. Payable in 4 equal annual installments. 1925, Feb. 21. Act of this date provided that purchase price under future applications shall be paid in 10 equal annual installments.
1922	\$17,072	\$4,912	
1923	42,889	24,358	
1924	59,762	26,492	
1925	51,829	40,090	
1926	44,256	36,949	
1927	44,155	27,273	
1928	38,473	79,216	
1929	28,653	72,508	
1930	31,443	39,360	
1931	29,643	31,163	
1932	28,548	24,276	
1933	18,426	15,902	
1934	18,105	15,244	
1935	15,139	20,113	
1936	15,013	19,884	
1937	15,855	18,375	
1938	18,329	17,993	
1939	15,862	15,758	
1940	13,250	12,525	
1941	13,961	13,638	
1942	14,312	13,601	
1943	14,895	15,041	
1944	20,915	22,247	
1945	25,517	25,700	
1946	32,189	32,005	
Total	668,491	664,623	

¹ Decrease. Decreases represent cancellations of water-right applications.

² Decrease in obligation from \$1,208,056 is due to cancellations of water-right applications and voluntary relinquishments due to inability of water users to develop large tracts

This division is on a 10-year repayment basis. As of this time the last water-right application will complete repayment in 1955.

YUMA PROJECT, ARIZONA - CALIFORNIA
 AUXILIARY (MESA) DIVISION.
 CROP HISTORY



- Fruits and Nuts
- Soil Improvement
- Alfalfa
- Other Hay, Forage & Pasture
- Vegetables, Truck and Others
- Seed Crops

Water Service Commenced in 1922

Repayment of Construction Investment
PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation-----		\$724, 033
	Due to June 30—1946-----	639, 273
	1947-----	9, 508
	1948-----	9, 508
	1949-----	9, 508
	1950-----	9, 508
	1951-----	9, 508
	1952-----	9, 508
	1953-----	9, 508
	1954-----	9, 508
	1955-----	8, 696

Contractors: 180 water-right applicants.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1925-----	81	\$30, 178	\$372. 57
1926-----	630	30, 000	47. 62
1927-----	450	54, 970	122. 16
1928-----	480	75, 350	156. 98
1929-----	710	121, 400	171. 89
1930-----	782	129, 615	165. 75
1931-----	886	98, 570	111. 25
1932-----	1, 014	171, 780	169. 41
1933-----	1, 105	162, 729	147. 27
1934-----	1, 141	209, 255	183. 40
1935-----	1, 143	190, 730	166. 87
1936-----	1, 145	388, 981	339. 72
1937-----	1, 409	202, 244	143. 54
1938-----	1, 412	236, 613	167. 57
1939-----	1, 494	207, 475	138. 87
1940-----	1, 468	190, 788	129. 96
1941-----	1, 484	153, 713	103. 58
1942-----	1, 480	130, 256	88. 01
1943-----	1, 701	531, 101	312. 23
1944-----	1, 546	566, 874	366. 67
1945-----	1, 619	1, 059, 111	654. 18

¹ Includes Government benefit payments.

Reservation
Division

The Reservation Division located in California is comprised of Indian and white lands under

individual water-right applications with a total repayment contract debt of \$919,452. On June 30, 1946, a total of \$899,668 had become due and \$899,210 had been paid on the construction account. The remaining repayments from about six individuals will be completed during the period 1947 to 1961. These are accounts established in recent years. This portion of the project is substantially paid in full.

In addition, \$1,348,952 had been collected for operation and maintenance and \$58,343 for water rentals.

The United States operates the Division with appropriated funds.

Determination of repayment obligation as of June 30, 1946:

Cost.....	\$1, 597, 969
Operation and maintenance funded.....	968
Penalties funded.....	772
	<hr/>
Total.....	1, 599, 709
Less construction revenues.....	23, 338
	<hr/>
Total.....	1, 576, 371
Adjustment to be made—Expenditure for flood control not payable by water users.....	¹ 656, 919
	<hr/>
Total.....	919, 452

¹ Decrease. Decrease covers cancellation of water-right applications and deferments under relief acts.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1910		\$42,685		\$42,685					
1911		28,848		28,848	\$4,622	\$35,766	\$40,388	\$40,388	
1912		111,059		111,059	2,014	25,059	27,073	67,461	
1913		46,138		46,138			67,890	135,351	
1914		40,800		40,800			6,700	142,051	
1915		14,270		14,270			73,097	215,148	
1916		117,807		117,807			54,852	270,000	
1917		5,184		5,184			4,200	274,200	
1918	\$827,729								
1919	825,023			18,410	546,330		25,357	299,557	
1920	817,931			52,444			130,871	430,428	
1921	873,910			31,941			69,558	499,986	
1922	873,910	226,847		26,613			11,904	511,890	
1923	873,910			32,597			33,369	545,259	
1924	869,136			32,344			40,781	586,040	
1925	870,585			32,498			27,751	613,791	
1926	896,184	34,473		34,473	27,040	14,439	41,479	655,270	
1927	896,184	36,327		36,327	22,555	8,455	31,010	686,280	
1928	922,352	24,637	¹ \$3,699	20,938	13,402	14,350	27,752	714,032	
1929	891,582	36,245	¹ 33,274	2,971	31,351	¹ 22,089	9,262	723,294	
1930	890,948	18,926		18,926	15,751	4,704	20,455	743,749	
1931	889,116	18,976	¹ 1,400	17,576	14,625	1,362	15,987	759,736	
1932	889,116	19,008		19,008	12,831	2,815	15,646	775,382	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Total amount deferred for calendar years 1931 to 1936, \$36,816.
1933	892,960	16,668	¹ 4,598	12,070	9,470	1,378	10,848	786,230	
1934	893,510	9,291	¹ 6,112	3,179	7,586	242	7,828	794,058	
1935	879,629	4,761	¹ 10,606	¹ 5,845	4,187	¹ 5,962	¹ 1,775	792,283	
1936	873,688	4,200	¹ 4,805	¹ 605	3,394	¹ 3,854	¹ 460	791,823	
1937	873,691	4,738	¹ 707	4,031	3,445	126	3,571	795,394	
1938	915,353	61,915	¹ 167	61,748	56,105	1,131	57,236	852,630	
1939	918,134	10,932	¹ 1,885	9,047	8,127	2,898	11,025	863,655	
1940	920,901	10,127		10,127	4,035	3,691	7,126	870,781	
1941	920,901	7,218		7,218	2,492	5,026	7,518	878,299	
1942	919,894	5,919	¹ 2,129	3,790	1,917	3,446	5,363	883,662	
1943	919,894	4,495	¹ 66	4,429	2,357	4,006	6,363	890,025	
1944	919,894	3,165		3,165	1,611	2,518	4,129	894,154	
1945	919,647	2,198	¹ 247	1,951	1,954	1,463	3,417	897,571	
1946	919,452	1,506		1,506	1,057	582	1,639	899,210	
Totals		969,363	¹ 69,695	899,668	798,258	100,952	899,210		
Collected				899,210					
Uncollected				458					

Fiscal year	Operation and maintenance		Public notices
	Accruals	Collections	
1910	\$6,503		1910, Jan. 12. Construction charge \$55 per acre, payable in 10 equal annual installments.
1911	6,503	\$12,483	1912, Mar. 8. Construction charge raised to \$66 per acre and payments graduated over 10 years.
1912	24,719	24,999	1918, Mar. 9. Construction charge \$90 per acre, payable in 20 graduated annual installments.
1913	12,337	¹ 281	1925, Nov. 11. Supplemental construction of power system. Rate \$5 per acre, payable in 12 equal annual installments beginning in 1925.
1914	12,384	6,885	1925, Nov. 19. Supplemental construction of protective works. Rate \$5 per acre. Payable in one installment after regular charges.
1915	0	144	
1916	8,212	16,626	
1917	28,845	25,727	
1918			
1919	46,106	42,203	
1920	45,804	33,685	
1921	68,734	77,098	
1922	71,723	43,325	
1923	59,677	75,600	
1924	66,808	74,647	
1925	74,874	74,981	
1926	69,919	28,518	
1927	71,414	68,787	
1928	68,429	80,770	
1929	43,372	91,788	
1930	53,283	53,107	
1931	51,453	48,362	
1932	41,474	36,896	

¹ Decrease. Decreases cover cancellation of water-right applications and deferrals under relief acts.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices
	Accruals	Collections	
1933.....	\$41,311	\$41,023	
1934.....	33,110	16,893	
1935.....	29,065	35,898	
1936.....	29,746	14,157	
1937.....	29,424	65,476	
1938.....	28,699	29,152	
1939.....	33,524	33,301	
1940.....	29,600	11,851	
1941.....	29,459	25,636	
1942.....	29,407	22,577	
1943.....	29,372	31,210	
1944.....	29,317	20,296	
1945.....	29,310	52,894	
1946.....	42,598	32,238	
Total.....	1,376,515	1,348,952	

This division in on a 20-year repayment basis.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation:		
Paying lands.....		\$909,391
Suspended lands (temporarily unproductive). ¹		10,061
Total amount repayable.....		919,452
	Due to June 30—	
	1946.....	899,668
	1947.....	1,630
	1948.....	1,228
	1949.....	956
	1950.....	862
	1951.....	752
	1952.....	661
	1953.....	671
	1954.....	560
	1955.....	531
	1956.....	592
	1957.....	386
	1958.....	209
	1959.....	307
	1960.....	198
	1961.....	180

¹ Lands considered temporarily unproductive on which charges are not currently assessed.

Contractors: 152 water-right applications, some of which were made in recent years, thereby extending the repayment period.

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1925 ²	12,285	\$861,663	\$70.14
1926.....	11,651	449,696	38.60
1927.....	9,896	493,736	49.89
1928.....	10,709	686,233	64.08
1929.....	10,905	644,360	59.09
1930.....	10,089	411,003	40.74
1931.....	8,463	160,991	19.02
1932.....	6,940	127,757	18.41
1933.....	7,075	150,638	21.29
1934.....	6,840	278,429	40.71
1935.....	7,190	324,632	45.15
1936.....	7,110	321,635	45.24
1937.....	13,349	318,696	23.87
1938.....	7,825	236,064	30.17
1939.....	7,036	235,803	33.51
1940.....	7,312	231,741	31.69
1941.....	7,341	322,630	43.95
1942.....	8,222	485,155	59.01
1943.....	7,284	369,827	50.77
1944.....	8,327	532,282	63.92
1945.....	8,140	524,924	65.49

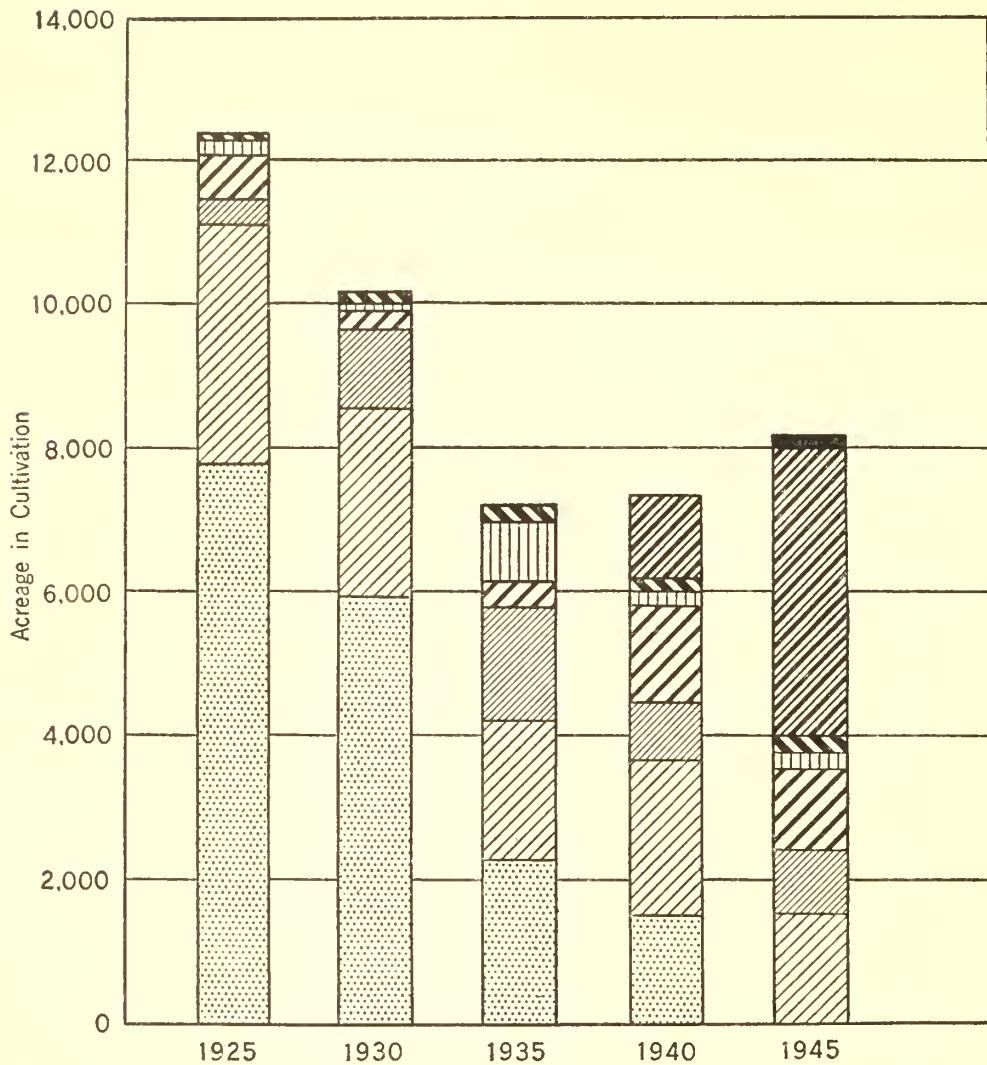
¹ Includes Government benefit payments.

² Prior to 1925, Reservation Division included with Valley Division.

YUMA PROJECT, ARIZONA - CALIFORNIA

RESERVATION DIVISION

CROP HISTORY



- | | |
|--|---|
| <ul style="list-style-type: none"> Cotton Alfalfa Other Hay, Forage & Pasture Grains | <ul style="list-style-type: none"> Vegetables, Truck and Others Fruits and Nuts Seed Crops Soil Improvement |
|--|---|

Water Service Commenced in 1907

Valley
Division

The Yuma County Water Users' Association has contracted to repay \$4,393,745 to the United States for construction of the portion of the Yuma project located in Arizona. Repayments commenced in 1918 and on June 30, 1946, a total of \$3,247,795 had been paid, or 74 percent. On that date there was \$211 due and unpaid.

The Yuma project is operated by the Bureau of Reclamation with funds advanced by the water users. The sum of \$4,172,266 has been collected for operation and maintenance and \$603,647 has been collected for water rental.

Determination of repayment obligation as of June 30, 1946:

Cost	\$5, 958, 642
Operation and maintenance funded	152, 941
Penalties funded	47, 163
Total	6, 158, 746
Less construction revenues	414, 554
Net	5, 744, 192
Adjustment to be made—Expenditure for flood control not payable by water users	¹ 1, 350, 447
Total	4, 393, 745

¹ Decrease. Decrease covers cancellation of water-right applications and deferments under relief acts.

Construction Repayments

Fiscal year	Total obligation of water users to repay	Accruals			Collections			Grand total collections	Remarks
		For current year	Adjustments	Total	For current year	Prior years and adjustments	Total		
1918	\$959, 027	\$3, 928		\$3, 928	\$3, 356		\$3, 356	\$3, 356	
1919	1, 116, 699	24, 210		24, 210			19, 769	23, 125	
1920	2, 733, 672			85, 727			88, 361	111, 486	
1921	3, 022, 982			56, 851			39, 437	150, 923	
1922	3, 137, 446	866, 571		82, 738	781, 577		67, 907	218, 830	
1923	3, 168, 560			103, 775			88, 500	307, 330	
1924	3, 472, 512			321, 159			272, 647	579, 977	
1925	3, 531, 039			216, 321			204, 956	784, 933	
1926	3, 899, 518	223, 122	¹ \$1, 633	221, 489	122, 202	\$86, 104	208, 306	993, 239	
1927	3, 962, 215	230, 353		230, 353	141, 828	106, 613	248, 441	1, 241, 680	
1928	4, 176, 809	226, 507	¹ 9, 880	216, 627	146, 979	86, 798	233, 777	1, 475, 457	
1929	4, 173, 705	227, 090	¹ 2, 249	224, 841	149, 894	79, 187	229, 081	1, 704, 538	
1930	4, 157, 125	225, 049	¹ 14, 413	210, 636	161, 857	63, 912	225, 769	1, 930, 307	
1931	4, 187, 164	230, 574	¹ 2, 288	228, 286	115, 921	28, 203	144, 124	2, 074, 431	
1932	4, 190, 635	124, 621	¹ 199, 828	¹ 75, 207	63, 040	¹ 48, 526	14, 514	2, 088, 945	Moratorium period. Acts of Apr. 1, 1932, Mar. 3, 1933, Mar. 27, 1934, June 13, 1935, and Apr. 14, 1936. Construction charges deferred for calendar years 1931, \$61,280; 1932, \$124,336; 1933, \$142,221; 1934, \$145,682; 1935, \$140,176; 1936, \$39,357.
1933	4, 213, 564	24, 761	¹ 41, 050	¹ 16, 289	23, 152	19, 554	42, 706	2, 131, 651	
1934	4, 276, 527	36, 505	¹ 1, 237	35, 268	34, 568	¹ 618	33, 950	2, 165, 601	
1935	4, 311, 679	25, 549	¹ 7, 269	18, 280	24, 436	¹ 3, 538	20, 898	2, 186, 499	
1936	4, 365, 969	27, 179	¹ 6, 045	21, 134	26, 492	¹ 4, 154	22, 338	2, 208, 837	
1937	4, 385, 326	100, 512		100, 512	75, 142	1, 253	76, 395	2, 285, 232	
1938	4, 410, 118	124, 570		124, 570	78, 345	22, 789	101, 134	2, 386, 366	
1939	4, 410, 118	122, 934		122, 934	76, 526	42, 962	119, 488	2, 505, 854	
1940	4, 410, 118	122, 375		122, 375	78, 726	38, 671	117, 397	2, 623, 251	
1941	4, 366, 616	61, 043	¹ 32, 279	28, 764	29, 999	19, 623	49, 622	2, 672, 873	
1942	4, 389, 121	59, 915		59, 915	42, 527	32, 687	75, 214	2, 748, 087	Construction charges deferred under act of Aug. 4, 1939, year 1940, \$62,871; 1941, \$61, 990.
1943	4, 388, 280	119, 658		119, 658	101, 263	19, 922	121, 185	2, 869, 272	
1944	4, 393, 745	119, 308		119, 308	103, 191	18, 321	121, 512	2, 990, 784	
1945	4, 393, 745	120, 240		120, 240	108, 143	16, 014	124, 157	3, 114, 941	
1946	4, 393, 745	119, 603		119, 603	119, 414	13, 440	132, 854	3, 247, 795	
Total		3, 566, 177	¹ 318, 171	3, 248, 006	2, 608, 578	639, 217	3, 247, 795		
Collected				3, 247, 795					
Uncollected				211					

¹ Decrease. Decreases cover cancellation of water-right applications and deferments under relief acts.

Construction Repayments—Continued

Fiscal year	Operation and maintenance		Public notices and contracts
	Accruals	Collections	
1918			1917, Apr. 6. Public notice. Construction charge \$75 per acre, payable in 20 graduated annual installments. 1930, May 19. Public notice. Construction charge \$123.09 per acre, payable in 20 graduated annual installments. 1931, Feb. 5. Contract with Yuma County Water Users' Association. Association assumes obligations under individual water-right applications. Repayment period extended to 30 years.
1919	\$31,739	\$25,372	
1920	137,424	136,699	
1921	199,210	116,385	
1922	184,477	125,238	
1923	175,883	178,833	
1924	278,543	298,574	
1925	253,756	234,272	
1926	235,500	204,634	
1927	247,062	256,009	
1928	234,620	275,110	
1929	193,070	238,332	
1930	176,945	173,527	
1931	¹ 1,663	17,475	
1932	161,646	214,325	
1933	88,855	99,763	
1934	62,502	62,512	
1935	76,816	78,276	
1936	43,814	44,710	
1937	124,395	124,548	
1938	126,144	126,144	
1939	145,081	145,081	
1940	123,853	123,853	
1941	114,508	114,508	
1942	139,428	139,428	
1943	146,129	146,129	
1944	171,411	171,411	
1945	162,623	162,623	
1946	138,495	138,495	
Total	4,172,266	4,172,266	

¹ Decrease. Decreases cover cancellations of water-right applications and deferrals under relief acts.

This division is on a 30-year repayment basis.

Repayment of Construction Investment

PAY-OUT SCHEDULE

	Fiscal year	Amount
Contract obligation:		
Paying lands		\$4, 287, 729
Suspended lands (temporarily unproductive) ¹		106, 016
Total amount repayable		4, 393, 745
	Due to June 30	
	1946	3, 248, 006
	1947	99, 051
	1948	102, 332
	1949	103, 533
	1950	103, 260
	1951	125, 364
	1952	130, 198
	1953	68, 462
	1954	59, 199
	1955	61, 993
	1956	26, 293
	1957	12, 788
	1958	12, 178
	1959	12, 015
	1960	13, 483
	1961	12, 924
	1962	7, 928
	1963	8, 864
	1964	8, 737
	1965	5, 557
	1966	6, 090
	1967	5, 616
	1968	8, 173
	1969	8, 880
	1970	8, 347
	1971	7, 073
	1972	7, 652
	1973	8, 128
	1974	5, 605

¹ Lands considered temporarily unproductive on which charges are not currently assessed.

Contractor: Yuma County Water Users' Association.

VALLEY AND RESERVATION DIVISIONS

Year	Area cropped or in cultivation (acres)	Total gross crop value ¹	Average crop value per acre
1909 ²	7, 000	\$560, 000	\$80. 00
1910 ²	8, 600	545, 000	63. 37
1911	7, 500	444, 684	59. 29
1912	11, 060	497, 013	44. 94
1913	16, 726	610, 228	36. 48
1914	22, 568	709, 409	31. 43
1915	25, 101	873, 721	34. 81
1916	28, 283	1, 435, 403	50. 75
1917	35, 578	3, 752, 669	105. 48
1918	45, 049	5, 105, 132	113. 32
1919	52, 324	7, 012, 209	134. 02
1920	54, 480	3, 328, 500	61. 10
1921	52, 400	2, 098, 060	40. 04
1922	53, 970	2, 682, 500	49. 70
1923	53, 050	4, 223, 600	79. 62
1924	53, 120	4, 504, 090	84. 79

VALLEY DIVISION ONLY

1925	43, 486	3, 857, 182	88. 70
1926	43, 373	2, 482, 128	57. 23
1927	40, 883	2, 708, 078	66. 24
1928	42, 394	4, 145, 473	97. 78
1929	42, 450	3, 603, 800	84. 90
1930	42, 121	2, 453, 402	58. 25
1931	41, 174	1, 202, 649	29. 21
1932	36, 250	1, 103, 078	30. 43
1933	39, 411	1, 175, 471	29. 83
1934	39, 651	2, 226, 598	56. 15
1935	37, 928	2, 148, 929	56. 66
1936	40, 822	2, 653, 387	65. 00
1937	44, 948	2, 706, 339	60. 21
1938	44, 763	1, 642, 574	36. 69
1939	44, 493	2, 014, 952	45. 29
1940	44, 445	1, 971, 604	44. 36
1941	45, 627	3, 385, 280	74. 19
1942	45, 387	5, 646, 638	124. 41
1943	45, 662	8, 487, 639	185. 88
1944	45, 077	6, 682, 266	148. 24
1945	44, 763	6, 811, 119	152. 16

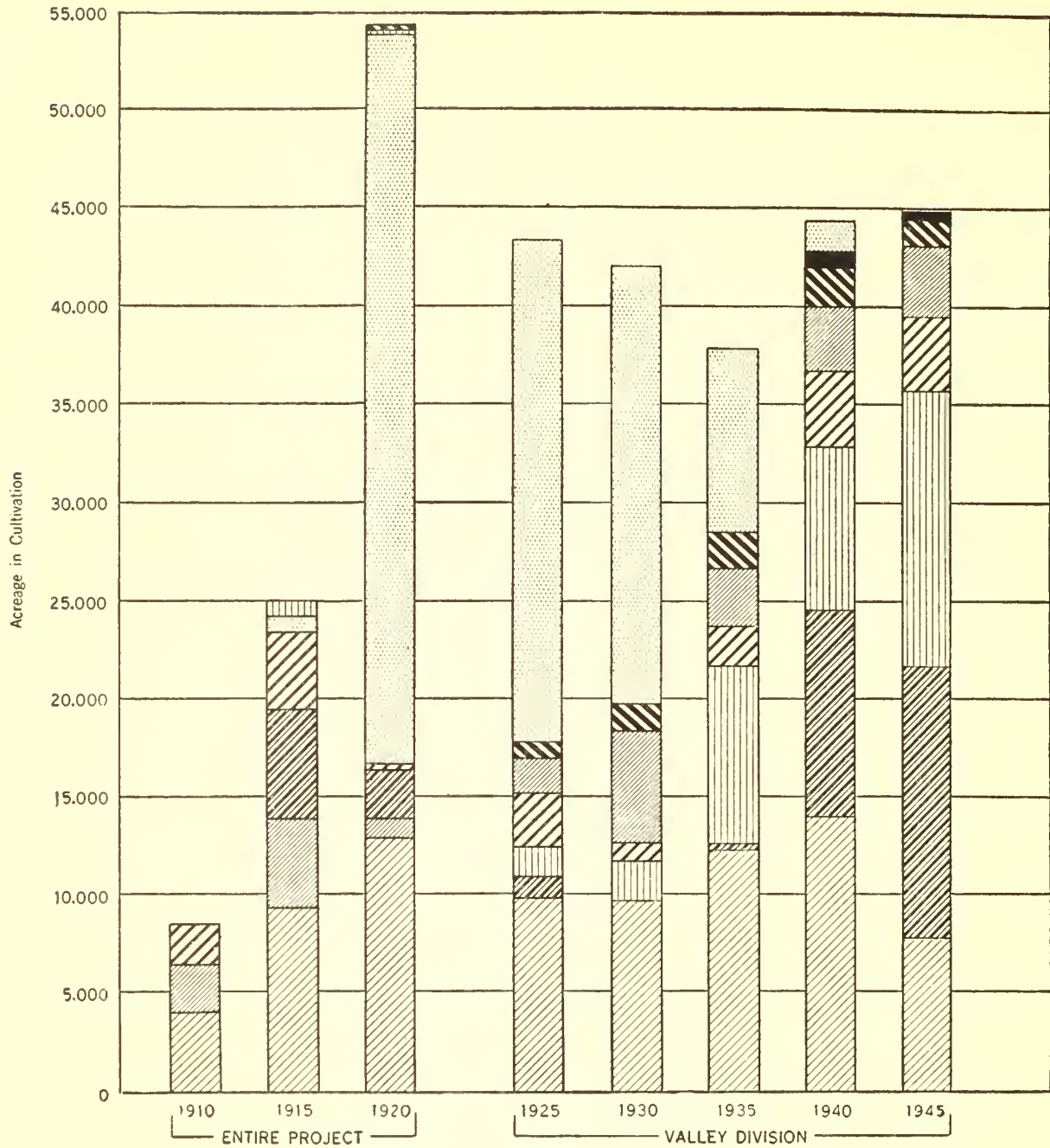
¹ Includes Government benefit payments.

² Estimated.

YUMA PROJECT ARIZONA - CALIFORNIA

VALLEY DIVISION

CROP HISTORY



- Alfalfa
- Cotton
- Other Hay, Forage & Pasture
- Vegetables Truck and Others
- Seed Crops
- Fruits and Nuts
- Grains
- Soil Improvement

Water Service Commenced in 1907

Power and Irrigation Summary—Status of Repayment Account¹

ALL DIVISIONS

Fiscal year	Repayable—irrigation contracts (includes cost of power system) ²	Payout schedule			Balance repayable
		Total	By water users	Power revenues applied	
1911		\$40,388	\$40,388		
1912		27,073	27,073		
1913		67,890	67,890		
1914		6,700	6,700		
1915		73,097	73,097		
1916		54,852	54,852		
1917		4,200	4,200		
1918	\$1,786,756	3,356	3,356		\$1,509,200
1919	1,941,722	45,126	45,126		1,619,040
1920	5,151,603	251,232	251,232		4,577,689
1921	6,704,948	564,383	564,383		5,566,651
1922	6,817,412	212,094	212,094		5,467,021
1923	6,831,860	323,841	323,841		5,157,628
1924	7,007,205	319,858	319,858		5,013,115
1925	6,954,100	346,623	346,623		4,613,387
1926	7,108,487	334,048	334,048		4,433,726
1927	7,287,778	382,983	382,983		4,230,034
1928	7,411,946	308,744	303,460	\$5,284	4,045,458
1929	7,310,789	288,452	275,312	13,140	3,655,849
1930	7,255,644	343,381	317,343	26,038	3,257,323
1931	7,280,131	253,573	221,886	31,687	3,028,237
1932	7,284,744	33,335	28,743	4,592	2,999,515
1933	7,312,203	101,975	74,654	27,321	2,924,999
1934	7,384,280	³ 7,299	³ 42,723	35,424	3,004,375
1935	7,412,641	20,894	³ 5,962	26,856	3,011,842
1936	7,445,112	16,509	³ 13,610	30,119	3,027,804
1937	7,458,246	124,943	90,693	34,250	2,915,995
1938	7,518,688	249,610	227,935	21,675	2,726,827
1939	7,515,931	222,036	211,496	10,540	2,502,034
1940	7,518,765	128,723	118,279	10,444	2,376,145
1941	7,474,157	68,839	67,928	911	2,262,698
1942	7,495,685	180,098	177,379	2,719	2,104,128
1943	7,494,872	224,405	200,802	23,603	1,878,910
1944	7,500,337	228,717	205,377	23,340	1,655,658
1945	7,530,856	203,347	181,430	21,917	1,482,830
1946	7,645,870	346,686	333,378	13,308	1,251,158
1947	7,645,870	225,341	206,341	19,000	1,025,817
1948	7,645,870	113,068	94,068	19,000	912,749
1949	7,645,870	113,997	94,997	19,000	798,752
1950	7,645,870	113,630	94,630	19,000	685,122
1951	7,645,870	135,624	116,624	19,000	549,498
1952	7,645,870	140,367	121,367	19,000	409,131
1953	7,645,870	78,641	59,641	19,000	330,490
1954	7,645,870	69,267	50,267	19,000	261,223
1955	7,645,870	71,220	52,220	19,000	190,003
1956	7,645,870	26,885	7,885	19,000	163,118
1957	7,645,870	13,174	339	12,835	149,944
1958	7,645,870	14,187	162	14,025	135,757
1959	7,645,870	12,322	260	12,062	123,435
1960	7,645,870	13,681	167	13,514	109,754
1961	7,645,870	13,104	149	12,955	96,650
1962	7,645,870	7,928		7,928	88,722
1963	7,645,870	8,864		8,864	79,858
1964	7,645,870	8,737		8,737	71,121
1965	7,645,870	5,557		5,557	65,564
1966	7,645,870	6,090		6,090	59,474
1967	7,645,870	5,616		5,616	53,858
1968	7,645,870	8,173		8,173	45,685
1969	7,645,870	8,880		8,880	36,805
1970	7,645,870	8,347		8,347	28,458
1971	7,645,870	7,073		7,073	21,385
1972	7,645,870	7,652		7,652	13,733
1973	7,645,870	8,128		8,128	5,605
1974	7,645,870	5,605		5,605	0
		7,645,870	6,930,661	715,209	

¹ Credits for payments by Imperial Irrigation District, Coachella Valley County Water District, and city of San Diego for Laguna Dam (\$1,608,640), are included in this schedule.

² Cost of power system is being repaid by water users, together with irrigation system costs.

³ Loss.

The power revenues applied on this schedule are the anticipated power profits to be distributed under subsection I of section 4 of the act of December 5, 1924, and applied on construction charges.

