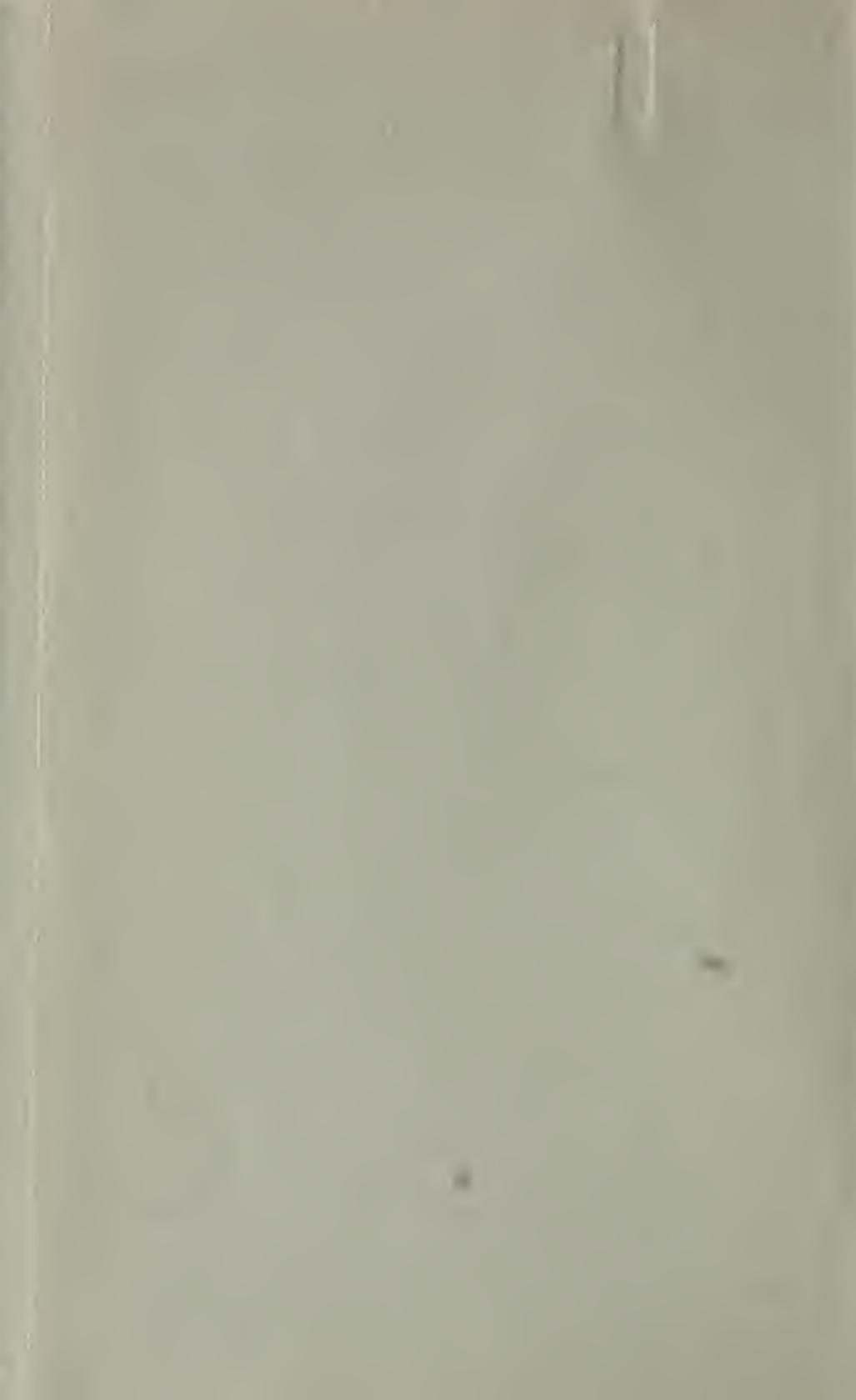




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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

EARL WARREN, *Governor*
C. H. PURCELL, *Director of Public Works*
A. D. EDMONSTON, *State Engineer*

BULLETIN No. 49-A

KAWEAH RIVER
FLOWS, DIVERSIONS AND SERVICE AREAS
1939 - 1949

Prepared under cooperative agreements, dated August 1, 1949, between the Kaweah Delta Water Conservation District, Kaweah River Association and St. Johns River Association and the Division of Water Resources, Department of Public Works, State of California

1950



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ORGANIZATION

STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

C. H. PURCELL Director of Public Works
A. D. EDMONSTON State Engineer

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All records of measurements of stream flow of Kaweah River (other than the discharge of the Kaweah River at Three Rivers obtained from U. S. Geological Survey publications) and of the diversion and distribution of water therefrom, together with information and data on the location and description of gaging stations, and criteria governing the diversion, distribution and use of water by individual service areas, presented in this report, have been furnished by

HARRY H. HOLLEY, Consulting Engineer,
Visalia, California

FOREWORD

Measurements of the stream flow of Kaweah River and of the diversion and distribution of water therefrom have been made and recorded, more or less continuously during the past thirty-five years, by agencies distributing Kaweah River Water for irrigation use. During the past years, records of these measurements have been made available to, and utilized by, the Division of Water Resources of the State Department of Public Works, through the courtesy of Harry H. Holley and W. R. Bailey, engineer and attorney, respectively, for the Kaweah Delta Water Conservation District, Kaweah River Association, St. Johns River Association and other agencies distributing Kaweah River water.

In order to preserve those valuable records in more permanent form and to make them available to interested agencies, both public and private, the Division of Water Resources of the State Department of Public Works in 1939 entered into agreements with three agencies, Kaweah Delta Water Conservation District, Kaweah River Association, and St. Johns River Association, and published the available records through the season ending September 30, 1939 as Bulletin No. 49 "Kaweah River, Flows, Diversions and Service Areas" dated 1940. Records for an additional ten years, October 1, 1939 through September 30, 1949, are now available, and the State Department of Public Works has entered into three agreements, dated August 1, 1949, with the same three agencies, for the publication of these records as a bulletin of the Division of Water Resources. A copy of each of these agreements is given on the following pages.

A G R E E M E N T

THIS AGREEMENT, made and entered into this 1st day of August, 1949, by and between the Kaweah Delta Water Conservation District, the party of the first part, and the State of California, acting by and through the Department of Public Works, and its Division of Water Resources, party of the second part;

W I T N E S S E T H:

WHEREAS, for the past ten years measurements of stream flow of Kaweah River, and of the diversions and distribution of water therefrom have been made and recorded by local organizations served thereby and interested therein, and

WHEREAS, compiling, editing and printing these records and other pertinent stream flow data in the form of an official publication of the party of the second part will be both desirable and advantageous to the parties hereto; and

WHEREAS, the parties hereto, desiring to cooperate in the conduct of such compilation, editing and printing of such report are willing to proceed with same on the conditions herein specified.

NOW, THEREFORE, it is hereby mutually agreed as follows, to-wit:

1. Party of the first part shall furnish, or cause to be furnished, to party of the second part, all necessary measurements and records of stream flow of Kaweah River and of diversion and distribution of water therefrom in Kaweah River, Delta, for the period October 1, 1939 to September 30, 1949, inclusive.
2. Party of the second part shall, at the earliest practicable date, compile and print in the form of a bulletin all the aforesaid records of the measurements and flows of Kaweah River and channels, and of diversions and distribution of waters therefrom in Kaweah River Delta, furnished by or on behalf of the party of the first part, together with the necessary and appropriate maps and other pertinent data for the foregoing period.
3. Party of the first part shall, upon the execution of this agreement, pay to the party of the second part the sum of five hundred dollars, said sum to be used in assisting in the defraying of the cost of preparing and printing said bulletin.
4. Such sum received by party of the second part from party of the first part shall be deposited in the State Treasury in the Water Resources Revolving Fund for use in the performance of said preparation and printing, and is to be subject to expenditure for such purposes on claims presented by party of the second part.
5. In consideration of the payment of the sum of five hundred dollars by the party of the first part, said party shall be supplied by party of the second part, without further cost, with one hundred fifty copies of said printed bulletin upon completion of same, and same shall be completed within six months from date of execution hereof.
6. The obligation of the party of the second part to compile the said bulletin shall be contingent upon the payment to said party of the second part of the aggregate sum of fifteen hundred dollars (inclusive of said sum of five hundred dollars specified in paragraph 3 hereof) by the three local organizations interested in and served from Kaweah River, to-wit; the St. Johns River Association, the Kaweah River Association and the Kaweah Delta Water Conservation District, first party hereto.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed in quadruplicate, by their officers thereunto duly authorized, the day and year first above written.

KAWEAH DELTA WATER CONSERVATION DISTRICT

By ROBERT BURR
Its President

And by E. B. COE
Its Secretary

APPROVAL RECOMMENDED:

C. R. MONTGOMERY
Chief Attorney,
Department of Public Works

APPROVAL RECOMMENDED:

HENRY HOLSINGER
Principal Attorney,
Division of Water Resources

STATE OF CALIFORNIA, DEPARTMENT OF
PUBLIC WORKS

C. H. PURCELL
Director of Public Works

EDWARD HYATT
State Engineer

DEPARTMENT OF FINANCE APPROVAL:

Approved November 14, 1949.

JAMES S. DEAN, Director

By LOUIS J. HEINZER
Administrative Adviser

A G R E E M E N T

THIS AGREEMENT, made and entered into this 1st day of August, 1949, by and between the Kaweah River Association, the party of the first part, and the State of California, acting by and through the Department of Public Works, and its Division of Water Resources, party of the second part;

W I T N E S S E T H:

WHEREAS, for the past ten years measurements of stream flow of Kaweah River, and of the diversions and distribution of water therefrom have been made and recorded by local organizations served thereby and interested therein, and

WHEREAS, compiling, editing and printing these records and other pertinent stream flow data in the form of an official publication of the party of the second part will be both desirable and advantageous to the parties hereto; and

WHEREAS, the parties hereto, desiring to cooperate in the conduct of such compilation, editing and printing of such report are willing to proceed with same on the conditions herein specified.

NOW, THEREFORE, it is hereby mutually agreed as follows, to-wit:

1. Party of the first part shall furnish, or cause to be furnished, to party of the second part, all necessary measurements and records of stream flow of Kaweah River and of diversion and distribution of water therefrom in Kaweah River Delta, for the period October 1, 1939 to September 30, 1949, inclusive.
2. Party of the second part shall, at the earliest practicable date, compile and print in the form of a bulletin all the aforesaid records of the measurements and flows of Kaweah River and channels, and of diversions and distribution of waters therefrom in Kaweah River Delta, furnished by or on behalf of the party of the first part, together with the necessary and appropriate maps and other pertinent data for the foregoing period.
3. Party of the first part shall, upon the execution of this agreement, pay to the party of the second part the sum of five hundred dollars, said sum to be used in assisting in the defraying of the cost of preparing and printing said bulletin.
4. Such sum received by party of the second part from party of the first part shall be deposited in the State Treasury in the Water Resources Revolving Fund for use in the performance of said preparation and printing, and is to be subject to expenditure for such purposes on claims presented by party of the second part.
5. In consideration of the payment of the sum of five hundred dollars by the party of the first part, said party shall be supplied by party of the second part, without further cost, with one hundred fifty copies of said printed bulletin upon completion of same, and same shall be completed within six months from date of execution hereof.
6. The obligation of the party of the second part to compile the said bulletin shall be contingent upon the payment to said party of the second part of the aggregate sum of fifteen hundred dollars (inclusive of said sum of five hundred dollars specified in paragraph 3 hereof) by the three local organizations interested in and served from Kaweah River, to wit; the St. Johns River Association, the Kaweah River Association, first party hereto, and the Kaweah Delta Water Conservation District.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed in quadruplicate, by their officers thereunto duly authorized, the day and year first above written.

KAWEAH RIVER ASSOCIATION

By HAROLD H. ANDERSON
Its President

And by E. B. COE
Its Secretary

APPROVAL RECOMMENDED:

C. R. MONTGOMERY
Chief Attorney,
Department of Public Works

APPROVAL RECOMMENDED:

HENRY HOLSINGER
Principal Attorney,
Division of Water Resources

STATE OF CALIFORNIA, DEPARTMENT OF
PUBLIC WORKS

C. H. PURCELL
Director of Public Works

By FRANK B. DURKEE
Deputy Director

EDWARD HYATT
State Engineer

DEPARTMENT OF FINANCE APPROVAL:

Approved December 6, 1949.
JAMES S. DEAN, Director

By LOUIS J. HEINZER
Administrative Adviser

A G R E E M E N T

THIS AGREEMENT, made and entered into this 1st day of August, 1949, by and between the St. Johns River Association the party of the first part, and the State of California, acting by and through the Department of Public Works, and its Division of Water Resources, party of the second part;

W I T N E S S E T H:

WHEREAS, for the past ten years measurements of stream flow of Kaweah River, and of the diversions and distribution of water therefrom have been made and recorded by local organizations served thereby and interested therein, and

WHEREAS, compiling, editing and printing these records and other pertinent stream flow data in the form of an official publication of the party of the second part will be both desirable and advantageous to the parties hereto; and

WHEREAS, the parties hereto, desiring to cooperate in the conduct of such compilation, editing and printing of such report are willing to proceed with same on the conditions herein specified.

NOW, THEREFORE, it is hereby mutually agreed as follows, to-wit:

1. Party of the first part shall furnish, or cause to be furnished, to party of the second part, all necessary measurements and records of stream flow of Kaweah River and of diversion and distribution of water therefrom in Kaweah River Delta, for the period October 1, 1939 to September 30, 1949, inclusive.
2. Party of the second part shall, at the earliest practicable date, compile and print in the form of a bulletin all the aforesaid records of the measurements and flows of Kaweah River and channels, and of diversions and distribution of waters therefrom in Kaweah River Delta, furnished by or on behalf of the party of the first part, together with the necessary and appropriate maps and other pertinent data for the foregoing period.
3. Party of the first part shall, upon the execution of this agreement, pay to the party of the second part the sum of five hundred dollars, said sum to be used in assisting in the defraying of the cost of preparing and printing said bulletin.
4. Such sum received by party of the second part from party of the first part shall be deposited in the State Treasury in the Water Resources Revolving Fund for use in the performance of said preparation and printing, and is to be subject to expenditure for such purposes on claims presented by party of the second part.
5. In consideration of the payment of the sum of five hundred dollars by the party of the first part, said party shall be supplied by party of the second part, without further cost, with one hundred fifty copies of said printed bulletin upon completion of same, and same shall be completed within six months from date of execution hereof.
6. The obligation of the party of the second part to compile the said bulletin shall be contingent upon the payment to said party of the second part of the aggregate sum of fifteen hundred dollars (inclusive of said sum of five hundred dollars specified in paragraph 3 hereof) by the three local organizations interested in and served from Kaweah River, to wit; the St. Johns River Association, first party hereto, the Kaweah River Association and the Kaweah Delta Water Conservation District.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed in quadruplicate, by their officers thereunto duly authorized, the day and year first above written.

ST. JOHNS RIVER ASSOCIATION

By HAROLD SWALL
Its President

And by E. B. COE
Its Secretary

APPROVAL RECOMMENDED:

STATE OF CALIFORNIA, DEPARTMENT OF
PUBLIC WORKS

C. R. MONTGOMERY
Chief Attorney,
Department of Public Works

C. H. PURCELL
Director of Public Works

APPROVAL RECOMMENDED:

By FRANK B. DURKEE
Deputy Director

HENRY HOLSINGER
Principal Attorney,
Division of Water Resources

EDWARD HYATT
State Engineer

DEPARTMENT OF FINANCE APPROVAL:

Approved December 6, 1949.

JAMES S. DEAN, Director

By LOUIS J. HEINZER
Administrative Adviser

INTRODUCTION

The Kaweah River drains a watershed on the western slope of the Sierra Nevada in Tulare County, adjoining that of the Kings River on the north and the Tule River on the south and extending on the east to a secondary ridge, parallel to the main backbone of the Sierra Nevada, called the Great Western Divide, which separates its basin from that of the upper Kern River. The headwaters rise in glacial lakes along the divide near Triple Divide Peak, elevation 12,651 feet. The main stream is formed near the town of Three Rivers about ten miles above the head of its delta, by the confluence of the North, Middle and South forks. West of the foothills the river divides into several distributaries, which cross the delta fan and enter Tulare Lake. The basin above the lower edge of the foothills is about 26 miles long with an average width of about 20 miles.

The drainage areas on the Kaweah River watershed, above the U. S. Geological Survey gaging station near Three Rivers, are segregated by zones of elevation as follows:

Area above elevation 10,000 feet	37 square miles
Area between elevations 5,000 and 10,000 feet. .275	square miles
Area between elevations 2,500 and 5,000 feet . .141	square miles
Area below elevation 2,500 feet.	<u>67</u> square miles

Total area above Three Rivers gaging station. .520 square miles

The only existing major developments on the Kaweah River above Three Rivers consist of three power plants of the Southern California Edison Company, Kaweah No. 1, No. 2 and No. 3, having installed capacities of 2,500, 3,500 and 3,500 kilovolt amperes, respectively. The water supply for Kaweah No. 1 is diverted from East Fork; Kaweah No. 3 diverts near the junction of the Merble Fork and Middle Fork; and diversion for Kaweah No. 2 is made from the Middle Fork immediately below the tailrace of Kaweah No. 3. These plants operate principally upon unregulated stream flow which does not materially alter the regimen of the stream below Three Rivers. The minor irrigation development along the Kaweah River above the head of its delta occurs mainly in the vicinity of Three Rivers and extends a few miles up each fork. Water required for the irrigation of citrus and deciduous orchards in this area, aggregating approximately 1,000 acres, is diverted through a series of ditches of small capacity.

Lands with irrigation service from Kaweah River, as delineated in distinctive colors on the map accompanying and forming a part of this report, are situated within a gross area of approximately 600 square miles on the easterly slope of the San Joaquin Valley, extending some 20 miles north and south and 30 miles east and west. The northerly and westerly boundaries of the area coincide, in general, with the southerly boundary of the Alta Irrigation District and the easterly boundary of the Peoples Ditch Company of the Kings River service area. It is bounded on the east by the Sierra foothills and on the south by the northerly boundary of the Tule River service area and the Corcoran Irrigation District. The extent of the gross area may be roughly outlined by lines joining the towns of Lemon Cove, Woodlake, Traver and Hanford on the north; Hanford, Guernsey and Waukena on the west; Waukena and Strathmore on the south; and Strathmore, Exeter and Lemon Cove on the east. The cities of Visalia and Tulare are situated near the center of the main Kaweah River delta area which extends southwesterly from its head near Lemon Cove to the town of

Waukena near the Tulare-Kings County Line. Most of the canal served areas are organized as mutual water companies, exceptions being the Tulare and Lindsay-Strathmore irrigation districts. About one and one-quarter miles west of Lemon Cove at McKay Point, the Kaweah River divides into the St. Johns and Kaweah branches, the former traversing the northern portion of the main delta and the latter, the central and southern portions.

Gross areas entitled to the use of surface diversions from Kaweah River aggregate approximately 174,500 acres. The total net irrigated area dependent upon the Kaweah River for its water supply utilized by means of surface diversion and ground water extraction, is approximately 155,000 acres. The diversions by individual canals are governed by their relative rights and priorities which have been established through appropriation and historical use, court decisions and stipulations. The larger and more dependable part of the stream flow is diverted mainly through canals which head east of Visalia.

This report presents records of all available measurements of the stream flow of Kaweah River, and of the diversion and distribution of water therefrom, made and recorded more or less continuously during the past 10 years by agencies distributing Kaweah River water for irrigation use and by the U. S. Geological Survey, together with data and information on canal systems owned and operated, and gross service areas and net irrigated areas served, by each agency distributing Kaweah River water.

SERVICE AREAS AND CANAL SYSTEMS

Lands with irrigation service from Kaweah River, as delineated by individual service areas in distinctive colors on the map accompanying and forming a part of this report, comprise gross areas served by organized operating agencies aggregating 174,500 acres, only fifty-one per cent of which, or net areas aggregating 89,500 acres, receive canal service in a season of normal run-off. About one-half of the net canal served area has supplemental wells and pumping plants. Additional net irrigated areas not served by canal diversions, aggregating 65,500 acres, have pumping and well service only. Included in these latter areas, are portions of the recently organized Exeter and Lindmore irrigation districts. The total net irrigated area dependent upon the Kaweah River for its water supply, utilized by means of surface diversion and ground water extraction is approximately 155,000 acres.

The major portion of the area is included within the boundaries of the Kaweah Delta Water Conservation District formed for the purpose of conservation and preservation of the underground waters of the Kaweah Delta, together with their sources of supply. The district was organized in 1927 and embraces an area of 259,360 acres in Tulare County and 83,000 acres in Kings County. It is made up of several smaller protective associations, the two most important of which are the Kaweah River Association and the St. Johns River Association. The members of the Kaweah River Association comprise the Consolidated Peoples, Elk Bayou and Farmers ditch companies; Tulare Irrigation District; Tulare Irrigation Company; and Visalia and Kaweah Water Company, which is the operating agency for the Fleming, Oakes, Evans, Watson and Persian ditch companies. The members of the St. Johns River Association comprise the Visalia and Kaweah Water Company; Tulare Irrigation Company; Tulare Irrigation District; Packwood Canal Company; and Mathews, Jennings, Uphill, Modoc and Lake-side ditch companies.

Service Areas

There are twenty-seven agencies owning and operating physical works for the surface diversion and distribution of Kaweah River water, consisting of nineteen mutual water companies, two irrigation districts, one public utility company, and five privately owned enterprises. The organization of each of the mutual companies provides for the issuance of a specific number of shares of stock, which are held by the individual water users. During the past thirty-five years there have been many stock transfers with the result that, at the present time, certain individual water users receive water from two or three of the companies and relatively large blocks of stock and appurtenant rights to the use of water have been transferred to the irrigation districts, while lands from which the stock has been divorced no longer have rights to the use of surface diversions from Kaweah River.

Areas served all or in part by surface diversions from Kaweah River or its branch channels are set forth by individual agencies in the following tabulation. The sum of the gross service areas amounts to 228,115 acres. However, the total area covered by these agencies amounts to only 174,500 acres on account of the overlapping of service areas. For the same reason, the sum of the net areas irrigated by each agency amounts to 133,155 acres,

DIVISION OF WATER RESOURCES

while the total net irrigated area amounts to only 89,500 acres. The locations of each of these service areas are delineated in distinctive colors on the map.

KAWEAH RIVER SERVICE AREAS

Area or agency	Channel from which water is diverted	Area, in acres	
		Gross	Net Ir- rigated
Merks-Rice Ditch	Kaweah River	130	100
Lemon Cove Ditch Company	Kaweah River	1,100	550
Foothill Ditch Company	Kaweah River	2,000	770
Wutchumna Water Company	Kaweah River and St. Johns Branch	10,500	6,470
Lindsey-Strethmore Irrig. Dist.	Kaweah River through Wutchumna Ditch	14,960	8,500
Hamilton Ditch	Kaweah Branch	340	170
Consolidated Peoples Ditch Co.	Kaweah Branch	16,000	9,780
Farmers Ditch Company	Kaweah Branch	12,500	7,200
Elk Bayou Ditch Company	Kaweah Branch	8,900	3,830
Tulare Irrigation District	Kaweah River, Kaweah Br. and St. Johns Br.	75,300	58,325
Tulare Irrigation Company	Kaweah Branch and St. Johns Branch	7,300	4,910
Fleming Ditch Company	Kaweah Branch and St. Johns Branch	1,700	1,290
Oakes Ditch Company	Kaweah Branch and St. Johns Branch	1,200	920
Evans Ditch Company	Kaweah Branch and St. Johns Branch	4,500	2,670
Watson Ditch Company	Kaweah Branch and St. Johns Branch	4,600	2,200
Persian Ditch Company	Kaweah Branch and St. Johns Branch	6,300	3,150
Packwood Canal Company	Kaweah Branch and St. Johns Branch	15,000	5,130
Longs Canal	St. Johns Branch	880	325
Occidental Life Insurance Co.	St. Johns Branch	180	175
Sweeney Ditch	St. Johns Branch	540	165
Mathews Ditch Company	St. Johns Branch	1,850	1,130
Jennings Ditch Company	St. Johns Branch	1,260	595
Uphill Ditch Company	St. Johns Branch	1,800	980
Modoc Ditch Company	St. Johns Branch	6,700	3,090
St. Johns Ditch Company	St. Johns Branch	725	590
Goshen Ditch Company	St. Johns Branch	5,550	530
Lakeside Ditch Company	St. Johns Branch and Cross Creek	26,300	9,610
	Sub-totals	228,115	133,155
	Overlapping areas.	- 53,615	-43,655
	TOTALS	174,500	89,500

Canal Systems

There are thirty-one canals, channels or other main conduits utilized for the diversion of water from Kaweah River or its branch channels, four heading on the Kaweah River above McKay Point and twenty-seven below that point, of which twelve head on the Kaweah Branch and fifteen on the St. Johns Branch. Water is distributed from these points of diversion through a complex system of canals owned and operated by the twenty-seven agencies previously enumerated, all of which have established rights to the use of water from Kaweah River. In many

instances, the same main diversion conduit serves several agencies. Conversely, some agencies receive service through several of the main diversion conduits. All points of diversion, main conveyance channels and distributaries, are delineated on the map. Main diversion works heading on Kaweah River above McKay Point, in a downstream order, are the Marks-Rice Ditch, Lemon Cove Ditch, Foothill Ditch and Wutchumna Ditch. The latter ditch conveys water for the Lindsay-Strethmore and Tulare irrigation districts, in addition to water for the Wutchumna Water Company service area.

The flow of the Kaweah River at McKay Point is divided by means of a broad crested weir consisting of two sections, each 113.6 feet in length with the same crest elevations, one section crossing the head of each branch, and a controlled by-pass structure at the south end of the Kaweah Branch weir section. The crest of the weir section crossing the St. Johns Branch is equipped with flash boards to make possible the diversion of the entire low flow into the Kaweah Branch. Flows are divided equally between the Kaweah and St. Johns branches, with the exception that once the flow has receded to 80 second-feet in the late summer months, the entire flow, regardless of amount, is diverted into the Kaweah Branch until the first time it exceeds 80 second-feet after October 1.

The main diversion works heading on Kaweah Branch below McKay Point, in a downstream order, are the Hamilton Ditch, Consolidated Peoples Ditch, Deep Creek, Crocker Cut, Tulare Irrigation Company Ditch, Fleming Ditch, Packwood Creek, Oskes Ditch, Evans Ditch, Watson Ditch and Persian Ditch. The main diversion works heading on St. Johns Branch, in a downstream order, are the Longs Canal, Occidental Life Insurance Company pump and pipe line, Sweeney Ditch, Lanes Slough, Ketchum Ditch, Packwood Canal, Tulare Irrigation District Canal, Mathews Ditch, Barton Cut, Jennings Ditch, Uphill Ditch, Modoc Ditch, St. Johns Ditch, Goshen Ditch and Lakeside Ditch.

All main conveyance channels, together with their maximum diversion capacities, locations of points of diversion, map designation of locations of gaging stations and areas receiving service therefrom, are set forth in the following tabulation. The locations of each of the various points of diversion, main conduits, distributaries therefrom and service areas are delineated on the map. Additional information of points of diversion, locations and descriptions of gaging stations, service areas, periods of record and criteria governing diversions are hereinafter set forth at the beginning of each of Tables 2 to 33, inclusive, in which are presented measurements of the diversion and distribution of Kaweah River water. Interim Central Valley Project water delivered to Tulare Irrigation District in 1949 is given in Tables No. 31, 32 and 34.

Canals or canal systems having somewhat complicated multiple points of diversion and service areas include those serving lands in the service areas of Wutchumna Water Company, Lindsey-Strethmore Irrigation District, Consolidated Peoples Ditch Company, Farmers Ditch Company, Elk Bayou Ditch Company, Tulare Irrigation District, Tulare Irrigation Company, Fleming Ditch Company, Oskes Ditch Company, Evans Ditch Company, Watson Ditch Company, Persian Ditch Company, Jennings Ditch Company and Packwood Canal Company. The Wutchumna Water Company diverts through the main heading of Wutchumna Ditch on Kaweah River above McKay Point and also from the St. Johns Branch through Barton Cut. It may transfer the Barton Cut entitlements to its main diversion above McKay Point. Lindsey-Strethmore Irrigation District now owns 24 per cent and Tulare Irrigation District 11/91 of Wutchumna

DIVERSIONS FROM KAWEAH RIVER

Conveyance channel	Maximum diversion capacity in second feet	Location of point of diversion							Map designation of location of gaging station	Gross service area	
		Channel	Miles from McKay Point	Bank	M. T. E. and M.					Company or agency	Acres
					Township South	Range East	Section	1/4 Section			
Marks-Rice Ditch	3.5	Kaweah River	5.5	South	17	28	31	SE	None	Marks-Rice Ditch area	130
Lemon Cove Ditch	9.0	Kaweah River	4.5	South	17	28	31	NW	None	Lemon Cove Ditch Co.	1,100
Foothill Ditch	20	Kaweah River	3.0	South	17	27	26	SE	5	Foothill Ditch Co.	2,000
Wutchumna Ditch	260	Kaweah River	1.5	North	17	27	34	SE	6	Wutchumna Water Co. Lindsay-Strathmore Irrigation Dist. Tulare Irrig. Dist.	10,500 14,960 33,500
Hamilton Ditch	10	Kaweah Branch	3.0	South	18	26	12	SE	7	Hamilton Ditch area	340
Consolidated Peoples Ditch	700	Kaweah Branch	4.5	South	18	26	14	NE	8	Consolidated Peoples Ditch Company Elk Bayou Ditch Co.	16,000 8,900
Deep Creek	500	Kaweah Branch	6.3	South	18	26	22	SW	9	Farmers Ditch Co. Tulare Irrig. Dist.	12,500 33,500
Deep Creek Cut	300	Deep Creek	7.0	North	18	26	21	SE	10	Tulare Irrig. Dist.	33,500
Crocker Cut	600	Kaweah Branch	7.5	South	18	26	21	SE	11	Tulare Irrig. Dist.	33,500
Tulare Irrigation Company Canal	200	Kaweah Branch	8.5	South	18	26	20	NE	12	Tulare Irrigation Co.	7,300
Fleming Ditch	20	Kaweah Branch	9.5	North	18	26	19	NE	13	Fleming Ditch Company	1,700
Packwood Creek	250	Kaweah Branch	11.1	South	18	25	25	NW	14	Packwood Canal Co.	15,000
Oakes Ditch	30	Mill Creek (a continuation of Kaweah Br.)	11.6	South	18	25	25	NW	15	Oakes Ditch Company	1,200
Evans Ditch	70	Mill Creek	13.0	South	18	25	27	SE	16	Evans Ditch Company	4,500
Watson Ditch	60	Mill Creek	13.0	South	18	25	27	SE	17	Watson Ditch Company	4,600
Persian Ditch	80	Mill Creek	19.0	South	18	24	26	SW	18	Persian Ditch Company	6,300
Longs Canal	40	St. Johns Branch	1.2	South	18	27	5	SE	19	Longs Canal area	880
Occidental Life Ins. Co. pump and pipe	2.0	St. Johns Branch	3.5	North	18	26	1	NE	None	Occidental Life Ins. Company area	180
Sweeney Ditch	10.0	St. Johns Branch	3.5	South	18	26	1	NE	None	Sweeney Ditch area	540
Leans Slough (Point of diversion transferred to Ketchum Ditch since 1930.)	100	St. Johns Branch	4.7	South	18	26	2	SE	20	Visalia and Kaweah Water Company	18,300
Ketchum Ditch	125	St. Johns Branch	5.0	South	18	26	11	NE	21	Visalia and Kaweah Water Company Tulare Irrigation Co.	18,300 7,300
Packwood Canal	300	St. Johns Branch	5.5	South	18	26	10	NE	22	Packwood Canal Co. *	15,000
Tulare Irrigation District Canal	500	St. Johns Branch	6.5	North	18	26	10	NW	23	Tulare Irrig. Dist.	75,300
Mathews Ditch	40	St. Johns Branch	12.0	North	18	25	23	NE	24	Mathews Ditch Co.	1,850
Barton Cut	90	St. Johns Branch	13.2	South	18	25	22	SW	25	Wutchumna Water Co. (Lower portion of service area, only)	1,500
Jennings Ditch	45	St. Johns Branch	13.5	South	18	25	22	SW	26	Jennings Ditch Co.	1,260
Uphill Ditch	60	St. Johns Branch	15.0	North	18	25	21	NW	27	Uphill Ditch Company	1,800
Modoc Ditch	100	St. Johns Branch	15.5	South	18	25	20	NE	28	Modoc Ditch Company	6,700
St. Johns Ditch	15	St. Johns Branch	17.5	South	18	25	18	NE	None	St. Johns Ditch Co.	725
Goshen Ditch	100	St. Johns Branch St. Johns Branch	19.5 21.0	South South	18 18	24 24	11 3	SE SW	None None	Goshen Ditch Company	5,550
Lakeside Ditch	475	Cross Creek (a continuation of St. Johns Branch.)	33.0	West	18	23	19	NW	29	Lakeside Ditch Co.	26,300

* Absorbed into Tulare Irrigation District in 1949.

Water Company stock and diversions are pro-rated accordingly. Prior to May 1929, the entire water supply of the Lindsay-Strathmore Irrigation District was pumped from the Kaweah Well Field. Since that time it has been obtained from both sources. During 1949 an interim water supply from the Central Valley Project was obtained by the Lindsay-Strathmore Irrigation District. When a firm supply of water becomes available from the Central Valley Project, the pumping operations in the Kaweah Well Field will cease, except as stand-by, in accordance with the judgment of the Court. Water is diverted from the Kaweah Branch through the Consolidated Peoples Ditch for the service areas of the Consolidated Peoples Ditch Company and the Elk Bayou Ditch Company. Diversions into Deep Creek from the Kaweah Branch are delivered to both the Farmers Ditch Company and to the Tulare Irrigation District, the latter through Deep Creek Cut. Total diversions to Tulare Irrigation District include Kaweah River water diverted through Wutchumna Ditch; Kaweah Branch water through Deep Creek and Crocker Cut and small amounts from Tulare Irrigation Company by reason of stock ownership in that Company; and St. Johns Branch water through Ketchum Ditch, Tulare Irrigation District Canal, and Packwood Canal since 1949. Central Valley Project water was obtained by the district from Friant-Kern Canal, through Wutchumna Ditch, in 1949. Diversions by Tulare Irrigation Company from Kaweah Branch include water originating in that stream and also water previously diverted from St. Johns Branch and conveyed to the Kaweah Branch through Ketchum Ditch. Fleming, Oskes, Evans, Watson and Persian Ditch companies divert water from the Kaweah Branch originating in that stream and also water previously diverted from St. Johns Branch by Visalis and Kaweah Water Company (their operating agency) and conveyed to Kaweah Branch through Ketchum Ditch. The Persian Ditch Company also receives water previously diverted from St. Johns Branch and conveyed to Kaweah Branch through Jennings Ditch. The Persian Ditch Company owns 34.48 per cent of the stock of Jennings Ditch Company and the water represented by this ownership is transferred from Jennings Ditch to Mill Creek near the east city limits of Visalia. Water is diverted through the Packwood Canal from the St. Johns Branch and discharged into the Kaweah Branch above the head of Packwood Creek through which it is then conveyed to the service area of the Packwood Canal Company which was absorbed into the Tulare Irrigation District in 1949. The diversion entitlements of Visalis and Kaweah Water Company in Lanes Slough were diverted through Packwood Canal from the summer of 1921 to the fall of 1929, under special arrangements with the Packwood Canal Company on account of excessive conveyance losses in the former channel. Since January, 1930, these entitlements have been diverted through the Ketchum Ditch.

DIVERSION ENTITLEMENTS

A comprehensive adjudication has not been made of rights to the use of the waters of Keweenaw River and its branch channels. No attempt has been made in this bulletin to determine the exact basis of right of the respective diversions. Not all of the flow reaching McKay Point is diverted through canals. Part of the flow percolates from the river channels and subirrigates lands not included in canal served areas, and a considerable portion is contributed to underground reservoirs and subsequently utilized for irrigation by means of wells and pumping plants. Diversion entitlements at the head of each intake are therefore generally related to the flow in each stream channel reaching each of the respective points of diversion. Through the efforts of the interested agencies forming the Keweenaw River Association, tentative schedules have been adopted at various times during the past 50 years, the latest on March 24, 1934, for the division, diversion and distribution of net flows reaching each of the respective points of division or diversion on Keweenaw Branch, based on appropriation and actual use, court decisions and stipulations and, in several instances, voluntary compromise. Similar schedules for the St. Johns Branch have been set forth during the same period in agreements between agencies forming the St. Johns River Association. In the following paragraphs there are presented in downstream order, the presently recognized criteria governing the rates of diversion through each canal heading as related to the stream flow reaching such points of diversion.

Criteria Governing Diversions from Keweenaw River above McKay Point

Diversions into the Merks-Rice Ditch from Keweenaw Branch are based on riparian status and actual use. The usual rate of diversion is 3 second-feet. The Lemon Cove Ditch Company diverts the first $7\frac{1}{2}$ second-feet of the flow of Keweenaw River reaching the head of Lemon Cove Ditch. At all Keweenaw River stages less than those required for the diversion of 300 second-feet to Consolidated Peoples Ditch (approximately 1,250 second-feet total flow at McKay Point) the Foothill Ditch Company diverts 9 second-feet; at higher stages, total diversions into Foothill Ditch are increased to from 12 to 20 second-feet.

The Wutchumna Water Company is entitled to divert 15 per cent of the first 500 second-feet of flow of Keweenaw River reaching this head of Wutchumna Ditch except that when the result is less than 8 second-feet the entitlement shall be 8 second-feet and with the provision that between June 1 and October 31 of each year when the flow of the river at the head of the ditch is less than 25 second-feet the Company is entitled to divert all the flow of the river. When the flow of the river at the head of the ditch is 500 second-feet but not over 750 second-feet the entitlement is 10 per cent of the excess over 500 second-feet. When the flow of the river at the head of the ditch is over 750 second-feet but not over 1,500 second-feet the entitlement is $7\frac{1}{2}$ per cent of the excess over 750 second-feet. When the flow of the river at the head of the ditch is over 1,500 second-feet but not over 2,400 second-feet the entitlement is 2,000 acre-feet in any one year beginning October 1st at a rate of 10 per cent of the excess over 1,500 second-feet.

Approximately 24 per cent of the diversions through Wutchumna Ditch are delivered to the Lindsay-Strathmore Irrigation District pipe line heading in the northeast quarter of Section 2, Township 18 South, Range 26 East, M.D.B. and M., and approximately 11/91 of the diversions through Wutchumna Ditch (and occasionally surplus water) are delivered into the

Tulare Irrigation District Canal immediately below its heading on St. Johns Branch.

Criteria Governing the Division of Flow at McKay Point

Flows are divided equally between the Kaweah and St. Johns branches, with the exception that once the flow has receded to 80 second-feet in the late summer months, the entire flow, regardless of amount, is diverted into the Kaweah Branch until the first time it exceeds 80 second-feet after October 1. When Wutchumna Water Company transfers Barton Cut diversions from St. Johns Branch to Wutchumna Ditch above McKay Point, the resulting unbalanced flow at that point is compensated by the release of an equivalent amount into the Kaweah Branch through the controlled by-pass structure.

Criteria Governing Diversions from Kaweah Branch Below McKay Point

Diversions into the Hamilton Ditch from Kaweah Branch are based on riparian status, court decisions and actual use. The average rate of diversion during the summer snow run-off is 8 second-feet. Since 1945 the former diversion point has been abandoned and diversion is made by means of a pump situated on the south bank of the river in the southeast corner of Section 12, T 18 S, R 26 E. Diversion is constant during the irrigation season at a rate of 8 second-feet, whenever water is available.

Diversions are made from the Kaweah Branch into the Consolidated Peoples Ditch for both the Consolidated Peoples Ditch Company and the Elk Bayou Ditch Company. Diversions for the Consolidated Peoples Ditch Company from the Kaweah Branch consist of 60 per cent of the first 200 second-feet of river flow reaching the head of Consolidated Peoples Ditch, 50 per cent of the next 100 second-feet and 40 per cent of the next 325 second-feet; maximum, 300 second-feet. Diversions for the Elk Bayou Ditch Company consist of the first 291 second-feet of river flow reaching the head of Consolidated Peoples Ditch in excess of flows required to meet the sum of the Consolidated Peoples Ditch Company diversion of 300 second-feet and downstream priorities of 711 second-feet, aggregating 1,011 second-feet at their respective points of diversion.

Diversions into Deep Creek consist of the first 40 second-feet of the flow of Kaweah Branch reaching the head of Deep Creek in excess of 60 second-feet, and one-half of the flows in excess of 100 second-feet; maximum, 290 second-feet. The first 150 second-feet so diverted is assigned to the Farmers Ditch Company; the next 25 second-feet, to Tulare Irrigation District (through Deep Creek Cut). At high river stages, diversions are increased to 200 second-feet by the former agency and to 90 second-feet by the latter. Modifications in these assignments are now under negotiation.

Diversions into Crocker Cut for Tulare Irrigation District consist of the first 80 second-feet of the flow of Kaweah Branch reaching the head of Crocker Cut in excess of flows required to meet downstream priorities of 113 second-feet at their respective points of diversion; the next 10 second-feet in excess of flows required to meet the sum of 80 second-feet and downstream priorities of 137 second-feet, aggregating 217 second-feet at their respective points of diversion; the next 30 second-feet in excess of flows required to meet the sum of 90 second-feet and downstream priorities of 170 second-feet, aggregating 260 second-feet at their respective points of diversion; the next 80 second-feet in excess of flows required to meet the sum of 120 second-feet and downstream priorities of 180 second-feet, aggregating 300 second-feet at their respective points of diversion; and the

next 35 second-feet in excess of flows required to meet the sum of 200 second-feet and downstream priorities of 221 second-feet, aggregating 421 second-feet at their respective points of diversion. At high river stages, total diversions into Crocker Cut are increased to a maximum of approximately 300 second-feet.

Diversions by Tulare Irrigation Company consist of the first 30 second-feet of the flow of Kaweah Branch reaching the head of Tulare Irrigation Company Canal in excess of flows required to meet downstream priorities aggregating 58 second-feet at their respective points of diversion; and the next 30 second-feet in excess of flows required to meet the sum of 30 second-feet and downstream priorities of 120 second-feet, aggregating 150 second-feet at their respective points of diversion; maximum, 60 second-feet. In addition to the foregoing, the Tulare Irrigation Company rediverts through this canal, water previously diverted from St. Johns Branch and conveyed to the Kaweah Branch through Ketchum Ditch.

Diversions by the Fleming Ditch Company comprise the first 6 second-feet of the flow of Kaweah Branch reaching the head of Fleming Ditch, exclusive of Packwood Canal water; the next 2 second-feet in excess of flows required to meet the sum of 6 second-feet and downstream priorities of 69 second-feet, aggregating 75 second-feet at their respective points of diversion; and the next 4 second-feet in excess of flows required to meet the sum of 8 second-feet and downstream priorities of 92 second-feet, aggregating 100 second-feet at their respective points of diversion; maximum, 12 second-feet. The flow reaching the head of Fleming Ditch includes Kaweah Branch water and also water previously diverted from St. Johns Branch by Visalia and Kaweah Water Company and conveyed to Kaweah Branch through Ketchum Ditch.

Diversions from Kaweah Branch by the Packwood Canal Company into Packwood Creek are comprised principally of waters previously diverted from St. Johns Branch and conveyed to Kaweah Branch through Packwood Canal. Water originating in Kaweah Branch is diverted into Packwood Creek during high water stages, only.

The Oakes Ditch Company diverts the first 5 second-feet of the flow in Mill Creek (an extension of Kaweah Branch) reaching the head of Oakes Ditch in excess of flows required to meet downstream priorities aggregating 32 second-feet at their respective points of diversion; the next 3 second-feet in excess of flows required to meet the sum of 5 second-feet and downstream priorities of 64 second-feet, aggregating 69 second-feet at their respective points of diversion; the next 3 second-feet in excess of flows required to meet the sum of 8 second-feet and downstream priorities of 84 second-feet, aggregating 92 second-feet at their respective points of diversion; and the next 3 second-feet in excess of flows required to meet the sum of 11 second-feet and downstream priorities of 129 second-feet, aggregating 140 second-feet at their respective points of diversion; maximum, 14 second-feet. The flow reaching the head of Oakes Ditch includes Kaweah Branch water and also water previously diverted from St. Johns Branch by Visalia and Kaweah Water Company and conveyed to Kaweah Branch through Ketchum Ditch. During high river stages, total diversions are increased to a maximum of 18 second-feet.

The Evens and Watson Ditch companies have a common point of diversion. Each Company diverts one-half of the first 32 second-feet of the flow of Mill Creek reaching the head of Evans-Watson Ditch; one-half of the next 22 second-feet in excess of flows

required to meet the sum of 32 second-feet and downstream priorities of 15 second-feet, aggregating 47 second-feet at their respective points of diversion; one-half of the next 35 second-feet in excess of flows required to meet the sum of 54 second-feet and downstream priorities of 35 second-feet, aggregating 89 second-feet at their respective points of diversion; and one-half of the next 6 second-feet in excess of flows required to meet the sum of 89 second-feet and downstream priorities of 40 second-feet, aggregating 129 second-feet at their respective points of diversion; each maximum, $47\frac{1}{2}$ second-feet. Flows reaching the head of Evans-Watson Ditch include Kaweah Branch water and also water previously diverted from St. Johns Branch by Visalia and Kaweah Water Company and conveyed to Kaweah Branch through Ketchum Ditch. At high river stages, diversions into the Evans Ditch are increased to a maximum of 57 second-feet.

The Persian Ditch Company diverts the first 40 second-feet of the flow in Mill Creek reaching the head of Persian Ditch. The flow in Mill Creek reaching the head of Persian Ditch includes a portion of the water previously diverted from St. Johns Branch and conveyed to the Kaweah Branch through Ketchum Ditch by Visalia and Kaweah Water Company and, in addition to the 40 second-feet, water previously diverted from St. Johns Branch and conveyed to Kaweah Branch through Jennings Ditch by the Jennings Ditch Company. The Persian Ditch Company owns 25 per cent of the Jennings Ditch Company stock and diversions are pro-rated accordingly.

Criteria Governing Diversions from St. Johns Branch below McKay Point

Diversions into the Longs Canal since 1938 have been by a pump situated on the south bank of St. Johns River at the head of the canal. The maximum possible diversion is about 15 second-feet.

The Occidental Life Insurance Company diverts through its pipe line the first 2 second-feet of the flow of St. Johns Branch reaching the intake of its pump in excess of downstream priorities of 60 second-feet.

Diversions into Sweeney Ditch comprise the first 8 second-feet of the flow of St. Johns Branch reaching the head of Sweeney Ditch in excess of downstream priorities of 60 second-feet.

The use of Lanes Slough as a diversion channel was discontinued in the summer of 1921 and the water entitlements of Visalia and Kaweah Water Company appertaining thereto were diverted through the Peckwood Canal until January, 1930, subsequent to which they have been diverted through the Ketchum Ditch. The first 60 second-feet of the flow of St. Johns Branch reaching the head of Ketchum Ditch is diverted for the use of agencies comprising the Visalia and Kaweah Water Company. This rate of diversion is continued until the river flow at the head of Lanes Slough exceeds 200 second-feet when diversions for those agencies are terminated. When the river flow exceeds 200 second-feet, the Tulare Irrigation Company diverts 35 second-feet through Ketchum Ditch; the next 5 second-feet in excess of 300 second-feet; the next 5 second-feet in excess of 400 second-feet; the next 5 second-feet in excess of 500 second-feet; the next 5 second-feet in excess of 600 second-feet;

and the next 5 second-feet in excess of 700 second-feet; maximum, 60 second-feet. Undiverted portions of diversion entitlements of Tulare Irrigation District, through other canals, were diverted through Ketchum Ditch during the years ending September 30, 1936 and 1937.

The Packwood Canal Company diverts the first 125 second-feet of the flow of St. Johns Branch reaching the head of Packwood Canal in excess of flows required to meet downstream priorities aggregating 664 second-feet at their respective points of diversion; and the next 75 second-feet in excess of flows required to meet the sum of 125 second-feet and downstream priorities of 932 second-feet, aggregating 1,057 second-feet at their respective points of diversion; maximum, 200 second-feet. On account of excessive channel losses in Lanes Slough, the diversion entitlements of Visalis and Kaweah Water Company in that channel were diverted through Packwood Canal from the summer of 1921 to the fall of 1929 under special arrangement with the Packwood Canal Company. Since January, 1930, these entitlements have been diverted through Ketchum Ditch.

Tulare Irrigation District diverts the first 138 second-feet of the flow of St. Johns Branch reaching the head of Tulare Irrigation District Canal in excess of flows required to meet downstream priorities aggregating 526 second-feet at their respective points of diversion; the next 22 second-feet in excess of flows required to meet the sum of 138 second-feet and downstream priorities of 726 second-feet, aggregating 864 second-feet at their respective points of diversion; and the next 90 second-feet in excess of flows required to meet the sum of 160 second-feet and downstream priorities of 772 second-feet, aggregating 932 second-feet at their respective points of diversion; maximum, 250 second-feet.

The Mathews Ditch Company diverts the first 17 second-feet of the flow of St. Johns Branch reaching the head of Mathews Ditch; the next 8 second-feet in excess of flows required to meet the sum of 17 second-feet and downstream priorities of 587 second-feet, aggregating 604 second-feet at their respective points of diversion; and the next 5 second-feet in excess of flows required to meet the sum of 25 second-feet and downstream priorities of 597 second-feet, aggregating 622 second-feet at their respective points of diversion; maximum 30 second-feet.

Diversions thru Berton Cut from St. Johns Branch by Wutchumna Water Company are 50 second-feet after upstream priorities of 67 second-feet and downstream priorities of 103 second-feet have been or can be supplied and 60 second-feet after upstream priorities of 75 second-feet and downstream priorities of 103 second-feet have been or can be supplied with the exceptions that no diversion can be made when the flow of the river at the head of Lanes Slough is less than 200 second-feet. Any part or all of this diversion may be transferred to the main head of Wutchumna Ditch above McKay Point upon notice. After 1945 all diversion rights in the St. Johns River were transferred to the main head of Wutchumna Ditch above McKay Point. (Table No. 6)

The Jennings Ditch Company diverts the first 39 second-feet of the flow of St. Johns Branch reaching the head of Jennings Ditch when the flow of said branch at Ketchum

Ditch does not exceed 200 second-feet, which rate of diversion is decreased to 34 second-feet when the flow of St. Johns Branch at Ketchum Ditch exceeds 200 second-feet; and the next 5 second-feet in excess of flows required to meet the sum of 34 second-feet and downstream priorities of 97 second-feet, aggregating 131 second-feet at their respective points of diversion; maximum, 39 second-feet.

The Uphill Ditch Company diverts the first 20 second-feet of the flow of St. Johns Branch reaching the head of Uphill Ditch in excess of flows required to meet downstream priorities aggregating 44 second-feet at their respective points of diversion; the next 8 second-feet in excess of flows required to meet the sum of 20 second-feet and downstream priorities of 64 second-feet, aggregating 84 second-feet at their respective points of diversion; the next 2 second-feet in excess of flows required to meet the sum of 28 second-feet and downstream priorities of 67 second-feet, aggregating 95 second-feet at their respective points of diversion; and the next 10 second-feet in excess of flows required to meet the sum of 30 second-feet and downstream priorities of 458 second-feet, aggregating 488 second-feet at their respective points of diversion. At high river stages, diversions are increased to a maximum of 45 second-feet.

The Modoc Ditch Company diverts the first 67 second-feet of the flow of St. Johns Branch reaching the head of Modoc Ditch. During high river stages, diversions are increased to 80 second-feet.

The St. Johns Ditch Company diverts the first 12 second-feet of the flow of St. Johns Branch reaching the head of St. Johns Ditch in excess of flows required to meet downstream priorities of 301 second-feet at the head of Lakeside Ditch.

The Goshen Ditch Company diverts the first 78 second-feet of the flow of St. Johns Branch reaching the heads (2) of Goshen Ditch in excess of flows required to meet downstream priorities of 301 second-feet at the head of Lakeside Ditch.

The Lakeside Ditch Company diverts all flows reaching the head of Lakeside Ditch through St. Johns Branch and Cross Creek, an extension of St. Johns Branch. Flows in Cross Creek also include Cottonwood Creek and Sand Creek water discharged into Cross Creek during flood periods and return flow contributions from Alte Irrigation District. Maximum diversions amount to 446 second-feet.

STREAM FLOW AND DIVERSION RECORDS

Due to large fluctuations in precipitation on Kaweah River watershed, there are wide variations in seasonal, monthly and daily run-off. The monthly run-off varies more widely than the seasonal run-off. Most of the run-off from rain which falls on the lower areas finds its way quickly into the stream channels, while the snow in the higher mountain regions usually does not melt and appear as run-off until the late spring or early summer. The run-off from melting snow forms the greater part of the stream flows during these seasons. The variation in the daily run-off is greater than either the annual or monthly run-off. The daily mean flows vary from a few second-feet in the late summer to thousands of second-feet during flood periods. These floods are caused by excessive precipitation in the form of rain during the winter months, by rapid melting of the snow pack in the mountains during the late spring or early summer months, or by a combination of these causes.

Measurements of the discharge of Kaweah River at Three Rivers have been made, recorded and presented in official publications by the U. S. Geological Survey continuously since 1903. A revision of records for Kaweah River for the period 1917 to 1921, inclusive, was made by the United States Geological Survey on November 28, 1949. The revisions cover a period when incorrect staff-gage readings were recorded by a local observer. The revised figures, by months, are shown in the table following the record for year ending September 30, 1949. During the forty-six year period of stream flow measurement, 1903-1949, the seasonal run-off at Three Rivers gaging station has varied from a minimum of 102,000 acre-feet in 1923-24 to a maximum of 1,089,000 acre-feet in 1905-06. The average seasonal run-off for the period was 406,000 acre-feet. Rates of flow varied from a minimum of 9 second-feet on August 31, 1924 and September 18 and 19, 1934, to a maximum daily mean flow of 13,000 second-feet on February 6, 1937. The maximum instantaneous discharge occurred December 11, 1937, with a crest flow of 33,000 second-feet. During periods of heavy rainfall, the flow of Kaweah River is increased between Three Rivers Gaging Station and McKay Point by run-off from the minor tributary streams, Horse, Dry and Lime Kiln Creeks.

Complete or partial records of surface diversions of Kaweah River water are available for all main conveyance channels, with the exception of the Merks-Rice and Lemon Cove ditches which head on the Kaweah River above McKay Point, and the Occidental Life Insurance Company pipe line and pump and the Sweeney, St. Johns and Goshen ditches which head on St. Johns Branch below McKay Point. In the following pages of this report, there are presented in a series of thirty-four tables, all available records of measurements of the daily mean, monthly and annual stream flow of Kaweah River and of the diversion and distribution of water therefrom. The location of each gaging station is delineated on the map by a circle in which is inscribed the number of the table presenting records of measurements of flow at that station. Table numbers and titles and corresponding map designations of the locations of gaging stations are as follows:

<u>Table No.</u>	<u>Title</u>	<u>Map designation</u>
1	Kaweah River near Three Rivers (operated prior to February 1936)	1-a
	Kaweah River near Three Rivers (operated since February 1936)	1-b
2	Kaweah River at McKay Point	2
3	St. Johns Branch of Kaweah River at McKay Point	3
4	Kaweah Branch of Kaweah River at McKay Point	4
5	Foothill Ditch near head	5
6	Wutchumna Ditch near head	6
7	Hamilton Ditch near head	7-a
	Hamilton Ditch pump	7-b
8	Consolidated Peoples Ditch near head	8
9	Deep Creek near head (operated prior to 1925)	9-a
	Deep Creek near head (operated since 1925)	9-b
10	Deep Creek Cut near head	10
11	Crocker Cut near head	11
12	Tulare Irrigation Company Canal near head	12
13	Fleming Ditch near head	13
14	Packwood Creek near head (operated prior to 1940)	14-a
	Packwood Creek near head (operated since 1940)	14-b
15	Oakes Ditch near head (operated prior to August 1937)	15-a
	Oakes Ditch near head (operated since April 1940)	15-b
16	Evans Ditch near head	16
17	Watson Ditch near head	17
18	Mill Creek below Miller Drop	18
19	Longs Canal near head	19
20	Lanes Slough near head	20
21	Ketchum Ditch near head	21
22	Packwood Canal below head	22
23	Tulare Irrigation District Canal below head	23
24	Mathews Ditch near head	24
25	Barton Cut at head	25
26	Jennings Ditch near head	26
27	Uphill Ditch near head	27
28	Modoc Ditch near head	28
29	Lakeside Ditch near head	29
30	Tulare Irrigation District Canal near head, from Wutchumna Ditch	30
31	Monthly Diversions by Lindsay-Strethmore Irrigation District	
	At Wutchumna Ditch	31-a
	At Kaweah Booster Pump	31-b
	At Main Canal Pumping Lift	31-c
32	Monthly Total Diversions to Tulare Irrigation District	32
33	Daily Total Diversions to Tulare Irrigation District	32
34	Daily Diversions to Tulare Irrigation District, from Friant-Kern Canal	23

Table No. 1 presents records of the daily, monthly and annual discharge of the Kaweah River at Three Rivers. Table No. 2 presents similar records for the discharge of Kaweah River at McKay Point. Records of the division of the Kaweah River flows at McKay Point into the St. Johns and Kaweah branches are respectively set forth in Tables No. 3

and No. 4. All available daily, monthly and seasonal records of the diversion and distribution of water from Kaweah River and its branch channels are set forth in Tables No. 5 to No. 33, inclusive. The title of each table conforms to the conveyance channel and gaging station through which each respective set of measurements was made. Information appurtenant to each set of diversion records, presented at the beginning of each table, includes data on the location of the point of diversion and maximum capacity of the conveyance channel; the location, description and method of rating the gaging station; the operating agency and its gross service area; and periods of record and criteria governing diversions in accordance with present recognized practices. Actual diversions, particularly those prior to 1934, do not necessarily conform to these criteria.

FLOW AND DIVERSION TABLES

TABLE NO. 1

KAWEAH RIVER NEAR THREE RIVERS

Location of gaging stations - Southeast quarter of Section 27, Township 17 South, Range 28 East, M.D.B. end M., prior to February 1936. Map designation ①a. Southwest quarter of Section 33, Township 17 South, Range 28 East, M.D.B. end M., subsequent to February 1936. Map designation ①b.

Owner of gaging stations - U. S. Geological Survey.

Type of gaging stations - Cableway end car and water stage recorder.

Drainage area - Above station 1-a, 514 square miles. Above station 1-b, 520 square miles.

Period of record - 1903 to 1949.

Average discharge - 560 second-feet.

Maximum discharge - 33,300 second-feet, December 11, 1937.

Minimum discharge - 8.5 second-feet, September 19, 1934.

Remarks - Flow modified by diversion for irrigation above station end by the operation of power developments on Middle and East forks.

Discharge in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	48	54	49	59	459	1,880	2,140	1,660	1,860	556	103	43	
2	107	53	50	488	494	1,540	1,700	2,030	1,810	506	99	43	
3	187	54	49	577	1,880	1,320	1,450	2,090	1,660	451	94	43	
4	162	56	48	1,010	2,060	1,180	1,350	1,930	1,700	432	89	45	
5	138	53	47	430	978	1,070	1,250	1,850	1,560	414	83	49	
6	127	49	47	250	775	1,020	1,150	1,870	1,570	386	80	49	
7	222	50	53	338	678	984	1,150	1,890	1,620	356	79	47	
8	200	50	51	760	578	984	1,100	2,100	1,700	330	75	45	
9	187	54	50	587	514	990	1,150	2,410	1,740	302	74	43	
10	167	55	50	1,410	478	912	1,200	2,720	1,620	275	72	41	
11	149	53	75	2,820	463	823	1,300	2,760	1,620	258	71	41	
12	129	50	79	1,750	436	745	1,500	2,670	1,620	239	66	43	
13	125	45	62	776	400	702	1,700	2,710	1,620	225	66	44	
14	111	43	58	502	721	678	1,850	2,790	1,580	210	65	45	
15	98	48	55	393	618	683	1,850	2,840	1,500	200	63	45	
16	89	48	55	343	510	678	1,450	2,640	1,390	192	62	47	
17	82	48	54	311	502	706	1,300	2,220	1,300	192	61	47	
18	75	53	54	290	510	711	1,350	1,990	1,140	180	58	47	
19	71	49	53	266	447	702	1,600	2,100	1,020	172	58	48	
20	68	48	51	252	444	711	1,700	2,320	872	160	53	48	
21	62	45	51	239	444	780	1,900	2,580	845	153	51	45	
22	61	49	51	230	498	856	2,100	2,520	818	146	49	43	
23	58	47	51	222	2,630	930	2,150	2,610	750	140	48	41	
24	58	48	56	225	1,170	1,000	2,200	2,800	726	134	46	41	
25	72	47	58	876	1,540	1,190	2,000	2,660	697	134	51	41	
26	68	47	55	2,230	4,310	1,150	1,850	2,370	632	131	51	41	
27	66	45	54	930	2,000	2,570	1,450	2,240	587	125	49	41	
28	66	49	56	646	1,760	1,600	1,250	2,140	609	121	48	42	
29	62	49	56	543	3,000	1,300	1,200	1,950	632	121	48	42	
30	53	50	58	482		1,300	1,300	1,810	716	117	45	42	
31	55		58	455		2,440		1,770		109	43		
Sec.Ft. Days	3,223	1,489	1,694	20,690	31,297	34,135	46,640	71,040	37,514	7,467	2,002	1,322	Year Period
Mean Sec.Ft.	104	50	55	667	1,079	1,101	1,555	2,292	1,250	241	65	44	709
Max. Sec.Ft.	222	56	79	2,820	4,310	2,570	2,200	2,840	1,860	556	103	49	4,310
Min. Sec.Ft.	48	43	47	59	400	678	1,100	1,660	587	109	43	41	41
Total Ac. Ft.	6,393	2,953	3,360	41,039	62,078	67,707	92,510	140,908	74,409	14,811	3,971	2,622	512,761

TABLE NO. 1 - Continued

KAWEAH RIVER NEAR THREE RIVERS

Discharge in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	41	130	83	327	393	1,330	872	1,370	2,450	1,560	321	113	
2	41	120	82	397	373	1,440	1,040	1,490	2,670	1,580	308	109	
3	42	130	75	359	359	1,210	856	1,780	2,890	1,550	281	109	
4	43	120	83	356	355	1,150	1,850	2,020	2,980	1,550	264	103	
5	44	110	85	356	343	1,100	2,100	2,270	3,110	1,530	244	98	
6	43	110	83	314	474	1,000	1,400	2,640	3,160	1,490	236	90	
7	43	100	80	490	429	948	1,270	2,960	2,730	1,420	281	87	
8	43	100	79	463	818	918	1,160	3,160	2,160	1,400	284	85	
9	50	100	79	373	2,100	900	1,260	3,190	2,050	1,330	255	85	
10	50	110	79	343	1,760	889	1,420	3,410	2,460	1,200	241	83	
11	50	100	82	327	2,200	850	1,590	3,810	2,860	1,150	239	82	
12	45	95	82	3,060	2,220	845	1,290	3,700	3,090	1,090	222	80	
13	45	95	75	305	1,500	894	1,220	3,100	3,120	1,020	204	72	
14	45	90	69	506	1,190	878	1,200	2,640	3,000	912	194	83	
15	40	90	74	404	1,150	812	1,210	2,530	2,900	818	187	85	
16	40	90	101	343	972	765	1,210	2,820	2,890	750	230	79	
17	40	85	354	324	972	780	1,130	3,090	2,760	702	343	75	
18	40	95	326	308	845	823	1,050	2,800	2,480	716	244	72	
19	45	130	411	305	760	856	990	2,430	2,570	711	207	72	
20	45	110	225	293	740	818	936	2,630	2,500	618	190	74	
21	40	110	187	296	1,010	740	906	3,010	2,290	623	177	75	
22	40	100	220	243	872	740	918	3,380	2,190	591	165	75	
23	35	95	1,780	539	796	780	996	3,560	2,130	578	156	72	
24	40	90	966	2,010	1,120	785	1,010	3,420	1,980	539	149	71	
25	90	90	750	818	942	775	1,060	3,410	1,730	474	140	69	
26	500	85	463	660	818	806	1,060	3,370	1,680	455	136	68	
27	270	85	3,180	556	755	834	1,150	3,040	1,460	418	134	68	
28	180	82	1,840	494	970	856	1,310	2,790	1,260	376	129	68	
29	150	83	872	463	948	1,500	2,560	1,380	1,380	346	125	65	
30	150	87	678	429	780	1,540	1,540	2,530	1,500	333	123	65	
31	130	80	578	411	823	823	2,450	2,450	350	119	119	65	
Sec.Ft. Discharge	2,500	3,017	14,121	14,320	28,074	28,073	36,504	87,360	72,430	28,160	6,530	2,432	Year Period
Mean Sec.Ft.	81	101	456	462	1,003	906	1,217	2,818	2,414	908	211	81	888
Max. Sec.Ft.	500	130	3,180	2,010	3,060	1,440	2,100	3,810	3,160	1,580	343	113	3,810
Min. Sec.Ft.	35	82	69	243	343	740	856	1,370	1,260	330	119	65	35
Total Ac. Ft.	4,959	5,984	28,009	28,404	55,685	55,683	72,406	173,279	143,665	55,855	12,952	4,824	641,705

Discharge in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	62	117	153	373	466	305	790	1,150	2,330	1,200	200	69	
2	59	166	134	305	466	327	862	1,090	2,300	1,180	190	68	
3	59	202	628	290	641	333	978	1,100	2,140	1,180	178	67	
4	62	190	284	353	359	359	1,800	1,220	2,480	1,160	170	67	
5	62	184	278	252	574	400	1,240	1,360	2,800	1,080	164	67	
6	62	167	239	241	614	432	1,160	1,580	2,830	966	157	66	
7	69	146	210	244	591	455	978	1,830	2,590	884	153	64	
8	71	131	197	275	514	494	978	2,080	2,470	823	146	60	
9	69	121	184	272	470	539	990	2,220	2,720	775	142	62	
10	66	113	177	278	444	565	1,070	2,010	2,960	716	153	67	
11	66	107	174	311	411	1,100	1,150	1,870	2,940	702	153	77	
12	66	99	160	333	403	1,010	1,100	1,530	2,800	614	144	75	
13	71	98	153	353	397	912	1,250	1,350	2,640	565	140	69	
14	71	94	153	353	359	840	1,620	1,310	2,580	369	133	66	
15	71	92	214	321	350	856	1,310	1,310	2,570	578	123	62	
16	62	92	225	305	343	740	1,230	1,220	2,450	548	117	59	
17	65	115	302	284	333	721	1,490	1,270	2,440	482	112	58	
18	66	117	220	264	327	750	1,240	1,580	2,400	447	106	57	
19	69	105	200	255	321	706	1,280	1,320	2,220	425	101	57	
20	87	101	194	247	314	646	1,490	2,710	2,010	411	95	57	
21	96	99	200	244	314	651	1,470	3,190	1,890	393	92	56	
22	87	103	184	330	411	664	1,440	3,220	1,900	390	88	56	
23	89	187	187	318	346	669	1,470	2,950	1,820	356	85	55	
24	90	90	194	311	346	646	1,300	3,120	2,140	340	83	54	
25	117	92	174	1,590	324	591	1,400	3,110	1,560	327	82	54	
26	113	96	212	912	324	552	1,310	2,860	1,390	311	80	54	
27	136	96	217	1,200	308	548	1,330	2,860	1,210	287	78	55	
28	187	96	466	1,340	302	560	1,310	2,320	1,230	264	78	56	
29	136	101	712	726	302	618	1,150	1,910	1,250	241	77	57	
30	121	230	655	596	596	683	1,040	1,810	1,230	222	77	56	
31	119		494	514	514	780		2,090		207	74	54	
Sec.Ft. Discharge	2,636	3,659	8,326	13,863	11,519	19,452	37,206	60,700	65,860	18,643	3,771	1,847	Year Period
Mean Sec.Ft.	85	122	269	447	411	627	1,240	1,958	2,195	601	122	62	678
Max. Sec.Ft.	187	230	716	1,590	641	1,100	1,800	3,220	2,960	1,200	200	77	3,220
Min. Sec.Ft.	59	90	134	241	302	305	790	1,090	1,210	207	74	54	54
Total Ac. Ft.	5,229	7,258	16,515	27,497	22,848	38,583	73,798	120,398	130,633	36,978	7,480	3,664	490,881

TABLE NO. 1 - Continued

KAWEAH RIVER NEAR THREE RIVERS

Discharge in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	55	54	117	230	778	615	1,620	2,880	2,640	898	266	71	
2	54	52	112	220	700	610	1,700	2,810	2,230	876	243	67	
3	54	52	110	200	630	625	1,740	2,840	1,830	888	219	67	
4	51	66	108	190	578	898	1,710	2,800	1,500	926	203	65	
5	50	62	102	180	564	1,350	1,820	2,490	1,300	910	196	64	
6	46	60	93	170	546	1,440	1,820	2,680	1,280	888	185	62	
7	49	58	97	159	550	1,070	1,570	2,850	1,490	805	185	61	
8	49	55	97	155	761	2,010	2,110	2,820	1,670	772	175	61	
9	49	59	99	150	625	9,340	1,830	2,550	1,680	766	166	62	
10	49	56	95	150	573	6,560	1,650	2,590	1,580	740	156	64	
11	50	56	95	144	600	4,360	1,560	2,620	1,620	720	151	64	
12	55	55	95	142	605	3,000	1,510	2,460	1,410	700	144	62	
13	66	54	92	140	615	2,450	1,470	2,350	1,240	645	139	61	
14	62	52	92	140	640	2,250	1,540	2,380	1,330	610	137	59	
15	58	56	88	144	655	2,020	1,560	1,880	1,380	630	134	59	
16	57	68	88	146	660	1,740	1,660	1,700	1,500	560	128	58	
17	55	67	88	140	635	2,490	1,810	1,550	1,650	524	122	58	
18	54	184	86	121	625	6,190	1,960	1,420	1,670	478	117	59	
19	51	762	85	116	610	3,210	2,050	1,450	1,590	446	111	58	
20	50	252	85	148	640	2,600	1,950	1,620	1,420	422	109	59	
21	49	185	83	5,180	705	2,270	2,020	1,880	1,380	406	103	57	
22	48	170	83	6,120	805	2,200	2,330	2,200	1,200	383	100	56	
23	49	175	203	6,540	805	2,050	2,340	2,460	1,070	358	98	54	
24	49	170	1,400	2,030	1,220	1,840	2,330	2,970	1,070	348	96	53	
25	49	159	745	1,270	849	1,770	2,350	3,240	1,000	338	94	53	
26	46	140	397	1,060	735	1,760	2,200	3,260	976	330	89	54	
27	50	127	363	998	490	1,780	2,220	3,210	954	324	84	58	
28	52	142	330	810	635	1,840	2,850	3,080	986	314	80	58	
29	56	131	308	750		1,880	2,650	2,850	970	320	77	58	
30	55	121	266	1,120		1,960	2,700	2,510	910	296	74	57	
31	54		247	954		1,660		2,410		281	72		
Sec.Ft. Days	1,621	3,700	6,349	30,017	19,034	76,148	58,480	76,610	42,526	17,902	4,253	1,799	Year Period
Mean Sec.Ft.	52	123	205	968	680	2,456	1,949	2,471	1,418	577	137	60	927
Max. Sec.Ft.	66	762	1,400	6,540	1,220	9,340	2,850	3,260	2,640	926	266	71	9,340
Min. Sec.Ft.	46	52	83	116	546	610	1,470	1,420	910	281	72	53	46
Total Ac. Ft.	3,215	7,339	12,593	59,539	37,754	151,040	115,995	151,956	84,350	35,509	8,436	3,568	671,294

Discharge in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	52	75	77	103	198	426	766	1,000	1,540	783	122	50	
2	52	71	77	128	180	334	849	1,330	1,810	710	119	50	
3	51	69	77	175	201	311	932	1,650	1,620	665	113	49	
4	51	68	77	142	254	731	766	1,860	1,590	635	105	47	
5	51	68	80	132	211	1,130	670	1,970	1,800	560	100	45	
6	49	68	82	252	203	546	705	2,000	1,910	524	96	45	
7	49	62	78	178	211	442	766	1,660	1,840	498	92	43	
8	50	64	78	151	309	430	805	1,860	1,940	482	90	43	
9	51	62	77	137	366	466	670	2,140	1,470	446	85	42	
10	52	62	74	130	293	537	586	1,990	1,300	394	80	41	
11	51	62	77	124	269	640	735	1,920	1,340	376	77	38	
12	52	59	78	117	252	710	685	1,940	1,360	355	72	38	
13	51	59	78	117	227	650	591	2,070	1,380	354	71	38	
14	50	61	77	115	214	510	532	2,170	1,260	317	68	39	
15	48	60	75	113	201	426	542	2,020	1,060	302	68	40	
16	47	60	74	113	180	410	555	1,680	882	278	65	43	
17	46	60	75	105	188	434	498	1,300	772	263	64	42	
18	53	67	80	117	166	482	490	1,200	745	245	62	43	
19	92	72	107	117	173	573	494	1,130	805	235	60	43	
20	84	94	154	119	168	546	620	1,350	858	211	58	43	
21	77	107	320	119	190	470	514	1,450	810	198	56	43	
22	75	107	185	117	736	462	498	1,690	700	188	56	44	
23	72	102	144	137	438	514	620	1,920	685	154	42	42	
24	69	92	130	354	320	573	675	1,840	710	170	54	40	
25	65	89	126	206	296	640	586	1,950	700	161	54	38	
26	64	85	119	185	358	615	586	1,780	635	156	53	37	
27	62	82	103	173	296	605	735	1,740	730	150	50	36	
28	78	80	107	161	272	578	685	1,900	854	139	47	35	
29	78	78	98	113	314	586	655	2,000	882	134	46	33	
30	82	77	113	224	610	630	822	1,700	858	132	47	38	
31	78		111	258		670		1,750		126	47		
Sec.Ft. Days	1,882	2,222	3,208	4,757	7,684	17,077	19,633	53,920	34,806	10,349	2,231	1,248	Year Period
Mean Sec.Ft.	61	74	103	153	265	551	654	1,739	1,160	334	72	42	434
Max. Sec.Ft.	92	107	320	354	736	1,130	932	2,170	1,940	783	122	50	2,170
Min. Sec.Ft.	46	59	74	103	166	311	490	1,000	635	126	46	33	33
Total Ac. Ft.	3,753	4,407	6,363	9,436	15,241	33,872	38,942	106,950	69,038	20,527	4,425	2,475	315,409

TABLE NO. 1 - Continued

KAWAHA RIVER NEAR THREE RIVERS

Discharge in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	43	109	139	183	5,840	376	1,140	2,840	1,390	1,580	240	67	
2	39	96	214	175	8,510	352	988	2,870	1,710	1,490	254	68	
3	41	74	173	173	3,190	369	878	2,980	1,990	1,330	327	179	
4	40	80	161	168	1,650	418	815	2,900	2,550	1,220	263	144	
5	38	175	168	163	1,190	418	820	2,700	2,270	1,160	249	115	
6	38	122	173	166	944	398	851	2,650	1,740	1,040	254	100	
7	39	119	175	168	795	376	906	2,650	1,570	978	252	90	
8	38	122	173	178	725	398	1,030	2,440	1,590	895	216	82	
9	41	98	168	185	676	422	1,050	2,350	1,630	856	198	77	
10	39	164	161	180	627	450	890	2,690	1,960	790	175	72	
11	37	992	154	178	591	474	835	2,660	2,320	755	168	71	
12	36	790	149	168	586	490	805	2,760	2,690	770	156	69	
13	36	362	142	166	578	524	770	2,660	2,930	750	149	65	
14	35	263	139	168	632	564	720	2,140	2,860	715	137	60	
15	37	227	137	178	654	2,110	715	1,930	2,670	645	128	58	
16	37	211	132	183	568	1,090	840	2,280	2,510	600	119	53	
17	35	201	130	166	524	1,170	1,130	2,580	2,440	546	113	59	
18	34	190	130	163	532	966	1,460	2,220	2,470	494	113	57	
19	33	175	130	156	490	830	1,770	1,850	2,430	478	119	56	
20	33	168	216	146	450	825	2,140	1,600	2,290	458	115	53	
21	42	161	232	149	438	868	2,310	1,480	2,240	430	107	57	
22	52	163	470	144	438	884	2,220	1,460	1,960	422	112	62	
23	44	170	347	144	434	1,430	2,140	1,640	1,690	402	96	64	
24	41	175	269	144	422	1,050	2,140	1,680	1,510	372	92	62	
25	40	163	229	144	394	1,190	2,170	1,730	1,390	352	89	59	
26	39	151	203	144	383	2,380	2,060	1,650	1,460	324	87	57	
27	37	146	185	139	383	1,320	2,050	1,610	1,580	311	82	54	
28	36	146	190	137	380	1,090	2,220	1,610	1,670	305	78	54	
29	36	149	216	134	383	983	2,520	1,550	1,710	287	74	56	
30	38	142	190	132	383	939	2,720	1,490	1,650	272	72	52	
31	44		178	175		1,010		1,300		252	68		
Sec.Ft. Days	1,198	6,304	5,867	4,997	34,024	26,144	43,103	66,950	60,870	21,279	4,702	2,172	Year Period
Mean Sec.Ft.	39	210	189	161	1,215	843	1,437	2,160	2,029	686	152	72	761
Max. Sec.Ft.	52	992	470	185	9,510	2,380	2,720	2,980	2,930	1,580	327	179	9,510
Min. Sec.Ft.	33	74	130	132	380	352	715	1,300	1,390	252	68	52	33
Total Ac. Ft.	2,376	12,504	11,637	9,912	67,487	51,857	85,495	132,795	120,736	42,207	9,326	4,308	550,640

Discharge in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	57	444	204	436	249	365	830	2,080	1,160	325	78	40	
2	51	331	185	411	249	379	727	2,000	1,220	312	72	40	
3	50	283	177	529	283	379	678	1,880	1,200	305	68	42	
4	49	261	177	472	270	338	714	1,980	1,170	289	61	41	
5	50	240	231	718	273	334	745	2,080	1,120	264	60	41	
6	56	231	204	552	289	331	750	2,230	1,020	246	59	41	
7	330	273	206	468	289	351	722	2,310	983	231	58	40	
8	302	229	190	425	273	407	686	2,190	939	217	59	40	
9	193	217	182	372	270	476	650	2,010	917	209	59	38	
10	149	234	179	368	258	511	678	1,700	850	196	64	36	
11	126	289	179	355	277	511	765	1,470	718	185	61	34	
12	146	280	187	321	246	444	912	1,460	780	177	58	33	
13	124	277	169	325	273	708	1,020	1,440	770	164	56	33	
14	107	283	166	321	252	578	870	1,440	740	154	54	33	
15	161	270	179	318	270	556	972	1,480	686	151	52	33	
16	215	270	182	309	320	556	1,200	1,340	650	137	50	35	
17	185	246	177	309	296	570	1,460	1,290	596	130	49	34	
18	156	223	172	305	296	552	1,640	1,350	570	122	47	34	
19	144	215	164	299	289	578	1,670	1,530	570	126	45	31	
20	126	209	169	293	280	583	1,620	1,650	542	130	45	30	
21	113	204	441	280	293	556	1,600	1,520	538	179	46	29	
22	105	198	1,990	277	296	524	1,630	1,360	511	151	47	29	
23	100	193	1,280	277	315	565	1,750	1,110	464	126	47	28	
24	94	185	700	293	351	556	1,870	1,050	425	117	46	28	
25	90	223	1,700	305	351	534	2,100	1,070	407	139	44	28	
26	84	209	870	299	331	592	2,220	1,060	400	159	42	28	
27	80	196	601	293	331	668	2,140	1,120	393	130	42	28	
28	77	193	547	286	362	655	2,160	1,010	372	107	41	28	
29	823	206	511	277		709	2,130	972	355	98	41	28	
30	1,730	270	480	249		1,490	2,040	1,040	341	92	42	28	
31	780		464	249		988		1,110		87	41	28	
Sec.Ft. Days	6,851	7,382	13,263	10,991	8,133	17,344	38,949	47,332	21,387	5,455	1,634	1,009	Year Period
Mean Sec.Ft.	221	246	428	355	290	559	1,298	1,527	713	176	53	34	492
Max. Sec.Ft.	1,730	444	1,990	718	362	1,490	2,220	2,310	1,220	325	78	42	2,310
Min. Sec.Ft.	49	185	164	249	246	331	650	972	341	87	41	28	28
Total Ac. Ft.	13,589	14,642	26,307	21,801	16,132	34,402	77,255	93,883	42,421	10,820	3,241	2,001	356,494

TABLE NO. 1 - Continued

KAWEAH RIVER NEAR THREE RIVERS

Discharge in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	214	62	315	355	229	300	502	1,240	673	174	47	28	
2	192	61	299	321	226	300	464	1,730	736	161	48	27	
3	96	60	286	296	223	410	524	1,620	637	154	48	26	
4	100	58	280	293	223	380	476	1,730	610	146	46	24	
5	96	57	530	289	223	372	452	1,810	570	139	43	24	
6	117	57	1,090	286	226	338	440	1,830	529	130	41	24	
7	128	56	789	273	229	334	429	1,690	624	124	38	24	
8	115	59	538	264	234	338	440	1,480	552	115	39	24	
9	103	59	452	264	249	325	436	1,130	596	109	43	26	
10	94	59	407	261	368	334	429	950	614	103	49	28	
11	89	58	390	267	305	348	480	820	592	100	46	26	
12	84	61	376	261	289	348	578	815	485	96	42	25	
13	72	68	358	258	379	355	691	950	498	90	39	24	
14	72	78	358	231	331	368	825	880	502	89	38	23	
15	69	74	345	231	315	372	950	815	507	85	37	22	
16	102	74	325	220	312	390	1,050	1,080	460	82	36	23	
17	128	74	309	226	440	390	1,140	1,160	400	77	37	25	
18	105	74	293	223	368	414	1,110	1,190	400	72	36	37	
19	96	100	280	212	328	418	1,220	1,290	414	68	36	34	
20	87	1,490	277	215	334	418	1,260	1,260	422	64	34	31	
21	82	356	267	215	321	407	1,090	1,210	351	61	34	29	
22	77	243	261	215	315	436	922	1,280	293	59	36	28	
23	75	4,490	258	215	310	565	785	1,340	267	58	36	28	
24	74	1,440	286	215	315	507	722	1,230	255	58	34	28	
25	71	709	472	217	320	456	668	1,150	240	57	32	21	
26	68	534	494	217	320	452	628	1,040	234	56	31	24	
27	68	452	1,070	223	315	436	634	1,020	226	54	31	23	
28	67	407	396	243	310	524	682	890	212	53	33	24	
29	65	362	444	215	315	511	664	825	201	51	32	19	
30	64	334	382	231	480	795	830	185	49	32	22		
31	62		358	229	472		714		47	31			
Sec.Ft. Days	2,932	12,066	13,185	7,681	8,357	12,751	21,507	37,199	13,285	2,781	1,185	769	Year Period
Mean Sec.Ft.	95	402	425	248	298	411	717	1,200	443	90	38	26	365
Max. Sec.Ft.	214	4,490	1,090	355	440	565	1,260	1,830	736	174	49	37	4,490
Min. Sec.Ft.	62	56	258	212	223	300	429	714	185	47	31	19	19
Total Ac. Ft.	5,816	23,933	26,153	15,235	16,576	25,292	42,659	73,784	26,351	5,516	2,350	1,523	265,190

Preliminary Data

Discharge in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	21	75	59	62	51	96	315	678	1,260	498	75	39	
2	20	115	62	64	52	92	382	646	1,290	429	72	38	
3	23	115	39	62	47	85	581	660	1,180	390	69	36	
4	21	92	65	65	49	82	465	1,020	1,420	355	67	35	
5	19	85	64	67	69	78	334	1,480	1,110	321	64	35	
6	19	78	64	65	77	84	351	1,930	1,130	293	60	34	
7	21	72	64	64	69	82	318	2,100	1,350	273	57	33	
8	23	67	65	67	68	82	289	1,660	1,850	264	53	33	
9	24	64	65	67	71	89	379	1,160	1,670	252	54	31	
10	33	61	62	72	100	87	3,970	994	1,350	246	52	31	
11	137	60	60	65	80	85	1,630	1,110	1,400	240	53	31	
12	124	59	64	61	74	87	922	1,420	1,440	231	53	32	
13	71	57	64	60	74	87	727	1,750	1,390	217	52	33	
14	60	56	64	58	77	154	628	2,140	1,300	204	51	33	
15	57	58	64	58	75	179	650	2,440	1,200	190	49	32	
16	60	60	64	57	80	172	736	2,610	1,160	179	48	29	
17	68	59	69	56	94	261	885	2,500	1,070	172	47	32	
18	68	58	74	53	105	190	956	2,180	1,020	159	46	32	
19	62	59	71	53	109	196	928	1,460	906	154	45	34	
20	60	59	74	51	105	177	966	1,140	880	144	45	34	
21	58	56	77	51	102	149	1,020	1,010	865	134	45	32	
22	67	56	71	52	115	166	928	1,140	860	126	44	28	
23	62	53	68	54	126	209	800	1,620	825	119	45	31	
24	59	52	67	52	103	390	660	1,960	770	113	46	32	
25	56	57	68	52	98	339	691	2,140	755	109	45	33	
26	52	57	69	51	94	267	830	2,360	718	102	42	34	
27	51	56	69	50	90	261	972	2,280	678	84	40	33	
28	52	57	68	44	102	289	1,000	1,920	632	89	40	32	
29	51	58	67	46	92	315	934	1,610	601	87	38	30	
30	84	59	60	49	99	321	755	1,490	565	84	36	29	
31	82		53	52	277			1,290		78	37		
Sec.Ft. Days	1,665	1,970	2,034	1,780	2,448	5,428	25,002	49,898	32,625	6,346	1,570	981	Year Period
Mean Sec.Ft.	54	66	66	57	84	175	833	1,610	1,088	205	51	33	360
Max. Sec.Ft.	137	115	77	72	126	390	3,970	2,610	1,850	498	75	39	3,970
Min. Sec.Ft.	19	52	53	44	47	78	315	646	565	78	36	28	19
Total Ac. Ft.	3,303	3,907	4,034	3,531	4,856	10,766	49,591	98,973	64,712	12,587	3,114	1,946	261,320

TABLE NO. 1 - Continued

KAWEAH RIVER NEAR THREE RIVERS

Discharge in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	28	35	35	67	78	146	245	1,400	875	171	52	32	
2	29	35	35	69	85	154	236	1,640	961	162	49	31	
3	28	35	39	65	82	176	236	1,500	961	159	47	29	
4	28	36	48	60	78	263	292	1,130	880	152	45	28	
5	28	35	45	50	84	266	406	1,200	840	148	43	28	
6	29	35	51	60	84	194	466	1,400	865	142	43	28	
7	28	33	51	65	121	194	410	1,400	922	133	42	28	
8	28	33	51	65	113	197	402	1,340	961	123	42	26	
9	26	32	52	65	96	176	394	1,220	939	113	42	26	
10	25	34	52	60	100	171	601	1,000	875	105	43	26	
11	27	34	30	55	121	408	790	1,050	805	100	43	25	
12	31	33	30	60	117	279	900	1,320	765	94	44	26	
13	34	32	49	65	96	219	1,020	1,420	682	90	43	25	
14	37	32	60	65	94	205	1,140	1,700	650	87	41	25	
15	35	32	61	65	98	222	1,140	1,220	605	84	41	24	
16	34	32	57	60	98	224	1,050	1,130	562	78	40	24	
17	32	32	54	55	107	239	1,170	1,300	491	74	38	23	
18	31	33	67	60	129	251	1,060	1,380	426	69	39	23	
19	31	34	58	70	144	308	1,000	1,270	364	67	39	21	
20	31	34	61	220	157	318	966	1,080	325	64	38	21	
21	30	35	61	130	137	257	1,350	1,100	299	61	37	21	
22	30	34	59	100	137	279	1,670	1,270	282	59	39	20	
23	29	34	58	110	154	360	1,710	1,510	273	57	51	19	
24	29	36	51	90	157	308	1,720	1,690	260	56	44	18	
25	29	36	57	84	171	266	1,650	1,740	242	54	39	18	
26	29	35	61	84	157	248	1,440	1,860	236	53	36	18	
27	30	36	87	82	169	254	1,380	1,850	227	51	35	20	
28	30	34	72	80	152	308	1,630	1,570	210	50	34	21	
29	30	36	68	80	276	1,580	1,230	1,97	186	48	32	21	
30	35	35	65	84	251	1,390	1,020	1,020	186	48	32	21	
31	36	35	67	80	248	248	922	922	51	51	32	21	
Sec.Ft. Days	937	1,022	1,742	2,405	3,326	7,665	29,444	41,862	17,166	2,803	1,265	716	Year Period
Mean Sec.Ft.	30	34	56	78	118	247	981	1,350	572	90	41	24	302
Max. Sec.Ft.	37	36	87	220	171	408	1,720	1,860	961	171	52	32	1,860
Min. Sec.Ft.	25	32	35	50	78	146	236	922	186	48	32	18	18
Total Ac. Ft.	1,859	2,027	3,455	4,770	6,577	15,204	58,402	83,033	34,049	5,560	2,509	1,420	218,865

Revision of records for Kaweah River near Three Rivers,
Made by United States Geological Survey. November 28, 1949

Month	1917 - 18		1918 - 19		1919 - 20		1920 - 21	
	Mean Sec.-ft.	Run-off Ac.-ft.	Mean Sec.-ft.	Run-off Ac.-ft.	Mean Sec.-ft.	Run-off Ac.-ft.	Mean Sec.-ft.	Run-off Ac.-ft.
October	49.4	3,040	179	11,000	41	2,500	107	6,600
November	55.4	3,300	129	7,700	55	3,300	123	7,300
December	54.8	3,370	140	8,600	140	8,600	155	9,500
January	56.3	3,460	101	6,200	99	6,100	244	15,000
February	142	7,890	252	14,000	130	7,500	360	20,000
March	545	33,500	439	27,000	520	32,000	634	39,000
April	756	45,000	941	56,000	1,130	67,000	829	49,300
May	927	57,000	1,430	88,000	1,790	110,000	1,450	89,200
June	924	55,000	504	30,000	1,410	84,000	1,430	85,100
July	163	10,000	114	7,000	342	21,000	326	20,000
August	49	3,000	33	2,000	81	5,000	66.0	4,060
September	54	3,200	22	1,300	47	2,800	43.8	2,610
Water- year	315	228,000	358	259,000	482	350,000	481	348,000

Note.- Revised figures are for the period April 1918 to March 1921. The revisions cover a period when incorrect staff-gage readings were recorded by a local observer. The revisions are shown to two significant figures and were computed by multiple correlation based on records published for North Fork Kaweah River at Kaweah and records furnished by H. H. Rolley of Visalia, California for Kaweah River at McKey Point and for three diversions between McKey Point and the Three Rivers station. Revision of dally records is not contemplated.

TABLE NO. 2

KAWESH RIVER AT MC KAY POINT

Location of gaging station - Southeast quarter of Section 4, Township 18 South, Range 27 East,

M.D.B. & M., at point of bifurcation of Kawesh River into St. Johns and Kawesh branches.

Map designation ②.

Owner of gaging station - Kawesh River and St. Johns River associations.

Description of gaging station - A broad crested weir consisting of two sections, each 113.6 feet in length with the same crest elevations, one section crossing the head of each branch; a water stage recorder above the weir on the south bank of the river; a cableway and ear about 100 yards upstream; and a controlled by-pass structure at the south end of the Kawesh Branch weir section. The crest of the weir section crossing St. Johns Branch is equipped with flashboards to make possible the diversion of the entire low flow into the Kawesh Branch. An accurate relationship has been established between water levels at the recorder and flows over each of the weir sections. Since 1940 a redio stream gage has been in continuous operation.

Period of record - 1916-1949.

Criteria governing the division of flow at McKay Point - Flows are divided equally between the Kawesh and St. Johns branches, with the exception that once the flow has receded to 80 second-feet in the late summer months, the entire flow, regardless of amount, is diverted into the Kawesh Branch until the first time it exceeds 80 second-feet after October 1. When Wutchumna Water Company transfers Berton Cut diversion from St. Johns Branch to Wutchumna Ditch above McKay Point, the resulting unbalanced flow at that point is compensated by the release of an equivalent amount into the Kawesh Branch through the controlled by-pass structure.

Discharge in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	22	27	24	42	533	2,565	2,560	1,475	1,705	470	70	0	
2	42	27	27.5	237	598	2,060	1,765	1,925	1,685	407	66	0	
3	125	26	29.5	667	1,807	1,745	1,470	2,005	1,510	376	60	0	
4	115	32	26.5	901	3,015	1,500	1,300	1,870	1,570	387	55	0	
5	95	28.5	25.5	482	1,374	1,360	1,200	1,755	1,410	356	50	10	
6		80.5	28.5	24	224	996	1,285	1,100	1,805	1,410	319	47	23
7	160	24	29.5	254	838	1,136	1,100	1,770	1,455	297	43	21	
8	150	28.5	32	728	714	1,108	1,070	1,960	1,540	274	40	16.5	
9	144	29.5	31	576	632	1,093	1,085	2,225	1,620	248	39	7.5	
10	127	34	29.5	1,318	582	996	1,145	2,530	1,490	217	37	0	
11	112	34	45	3,565	554	876	1,230	2,665	1,445	200	35	0	
12	92	32	66	2,285	522	762	1,380	2,550	1,465	186	33	0	
13	79	27.5	50	596	475	698	1,585	2,570	1,450	175	32.5	0	
14	74	22	44	644	983	603	1,715	2,630	1,440	161	32.5	0	
15	64	21	43	480	689	652	1,735	2,665	1,365	146	33.5	0	
16	55	21	43	391	672	652	1,365	2,185	1,255	143	33.5	0	
17	47	22	42	345	644	603	1,170	2,180	1,180	141	33	0	
18	42	26.5	41	319	649	675	1,275	1,855	990	133	32.5	0	
19	39	25.5	40	293	565	663	1,505	1,945	896	128	29.5	0	
20	36	25	41	268	544	675	1,570	2,140	746	122	27.5	0	
21	32	22	40	252	533	733	1,770	2,435	714	115	25	0	
22	28	22	38	244	500	795	1,940	2,415	721	109	23	0	
23	25.5	23	34	236	3,160	869	1,940	2,475	645	99	17	0	
24	23.5	21	38	236	1,646	934	2,010	2,670	619	95	13	0	
25	36	20	40	525	1,697	1,111	1,850	2,605	597	95	19.5	0	
26	39	20	36	3,300	5,670	1,111	1,710	2,320	533	92	18	0	
27	38	27.5	40	1,252	2,840	2,630	1,345	2,165	482	89	17	0	
28	36	24	38	800	2,335	1,635	1,158	2,105	483	87	9	0	
29	36	24	38	655	3,760	1,225	1,115	1,875	487	84	0	0	
30	32	24	40	576		1,230	1,170	1,685	636	80	0	0	
31	25		42	533		2,795		1,580		75	0	0	
Sec.Ft.													
Mean	2,060	767	1,158	23,624	39,777	36,895	44,333	67,425	33,544	5,906	971	78	Year Period
Sec.Ft.	166	25	38	762	1,372	1,190	1,477	2,175	1,118	191	31	3	701
Max.													
Sec.Ft.	160	34	66	3,565	5,670	2,795	2,560	2,470	1,705	470	70	23	5,670
Min.													
Sec.Ft.	22	20	24	42	475	652	1,070	1,475	482	75	0	0	0
Total													
Ac. Ft.	4,086	1,521	2,296	46,858	78,898	73,182	87,934	133,738	66,534	11,715	1,926	155	508,843

TABLE NO. 2 - Continued

KAWEAH RIVER AT ME KAY POINT

Discharge in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	101	86	460	382	1,684	900	1,340	2,275	1,380	272	84	
2	0	98	86	382	363	1,946	1,103	1,450	2,455	1,388		77	
3	0	101	84	336	345	1,607	885	1,735	2,690	1,387	240	74	
4	0	101	79	319	336	1,445	1,372	2,005	2,775	1,364	213	74	
5	0	89	80	339	327	1,351	2,930	2,165	2,815	1,349	194	70	
6	0	84	79	301	440	1,194	1,675	2,520	2,925	1,288	191	66	
7	0	79	74	491	475	1,085	1,441	2,780	2,665	1,247	228	65	
8	0	79	70	480	672	1,037	1,257	3,000	2,095	1,243	242	63	
9	0	81	63	367	2,515	1,002	1,363	3,020	1,860	1,184	217	62	
10	0	87	60	339	2,390	975	1,641	3,155	2,200	1,049	202	61	
11	0	79	61	301	2,400	908	2,117	3,505	2,600	993	194	59	
12	0	76	62	293	4,090	882	1,557	3,545	2,790	854	181	57	
13	0	74	60	284	2,008	922	1,415	3,125	2,875	882	173	52	
14	0	73	53	501	1,470	969	1,352	2,655	2,775	768	153	50	
15	0	70	54	407	1,405	876	1,336	2,415	2,700	658	137	53	
16	0	70	68	331	1,136	794	1,336	2,605	2,565	601	161	43	
17	0	78	239	301	1,136	788	1,214	2,935	2,600	552	306	40	
18	0	93	255	293	969	822	1,120	2,845	2,315	569	195	43	
19	0	124	396	293	857	851	1,045	2,330	2,370	569	160	44	
20	0	105	198	280	800	839	982	2,460	2,320	495	143	41	
21	0	109	163	272	1,157	726	942	2,715	2,150	490	130	44	
22	0	98	184	340	1,010	714	928	3,080	2,030	459	121	45	
23	0	93	1,680	373	902	744	982	3,315	1,955	455	112	45	
24	0	89	1,042	2,335	1,553	750	995	3,185	1,820	426	109	43	
25	61	89	900	973	1,238	756	1,037	3,150	1,565	374	101	41	
26	476	81	470	726	984	789	1,023	3,230	1,525	362	95	40	
27	220	86	2,973	587	863	798	1,098	2,950	1,285	341	92	43	
28	137	83	2,175	490	1,025	824	1,267	2,740	1,080	319	89	44	
29	124	86	969	438		954	1,482	2,450	1,180	293	87	43	
30	118	91	702	398		786	1,554	2,415	1,295	280	87	41	
31	106		610	382		803		2,330		284	87		
Sec. Ft. Days	1,242	2,647	14,075	14,372	33,248	30,601	39,347	83,150	66,550	24,003	5,174	1,607	Year Period
Mean Sec. Ft.	40	88	454	464	1,188	987	1,312	2,682	2,218	775	167	54	866
Max. Sec. Ft.	476	124	2,975	2,335	4,090	1,946	2,930	3,545	2,925	1,388	306	84	4,090
Min. Sec. Ft.	0	70	53	272	327	714	885	1,340	1,080	280	87	40	0
Total Ac. Ft.	2,464	5,250	27,918	28,507	65,947	60,697	78,045	164,928	132,002	47,610	10,262	3,188	626,818

Discharge in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	38	93	139	470	511	293	658	1,017	2,115	1,018	141	37.5	
2	35	123	113	367	501	310	723	963	2,141	1,090	132	35.5	
3	35	168	570	336	690	319	827	976	1,902	1,023	124	33	
4	36	155	558	305	554	342	1,765	1,079	2,186	976	115	32	
5	38	147	297	284	576	367	1,209	1,201	2,484	950	112	30	
6	43	135	243	268	678	411	1,093	1,417	2,628	821	109	29	
7	45	124	208	264	632	430	903	1,660	2,465	752	101	28	
8	47	106	187	301	565	460	874	1,890	2,239	699	98	27	
9	45	95	176	301	501	496	871	2,083	2,407	647	95	28	
10	45	87	174	305	470	511	922	1,909	2,682	584	98	28	
11	43	79	171	340	430	1,039	1,044	1,781	2,685	579	106	33	
12	43	74	158	363	401	1,079	976	1,433	2,569	496	99	37	
13	47	71	149	367	391	948	1,121	1,126	2,444	446	93	36.5	
14	45	74	147	367	354	838	1,552	1,165	2,380	442	88	32	
15	45	71	211	358	345	951	1,275	1,165	2,367	437	81	29.5	
16	41	71	233	340	336	773	1,129	1,093	2,247	422	76	27.5	
17	38	89	327	319	327	708	1,459	1,071	2,254	383	72	25.5	
18	39	101	239	301	310	748	1,186	1,380	2,211	363	66	25	
19	44	84	213	289	301	702	1,201	1,785	2,077	354	60	25	
20	61	77	208	280	293	626	1,403	2,369	1,873	350	56	24.5	
21	74	71	225	272	293	610	1,396	2,864	1,721	329	55	23.5	
22	68	77	203	339	411	616	1,350	3,027	1,704	315	52	23	
23	62	79	201	386	345	610	1,350	2,752	1,657	288	47	22	
24	66	71	225	323	336	577	1,172	2,821	1,528	268	44.5	20	
25	84	64	154	1,542	319	515	1,266	2,983	1,365	260	44	22	
26	92	69	233	1,064	310	475	1,186	2,790	1,223	248	42.5	20	
27	104	71	240	1,288	301	465	1,216	2,127	1,010	232	41.5	21	
28	156	71	493	1,786	301	469	1,201	2,223	1,018	211	40.5	21	
29	113	76	806	876		516	1,024	1,815	1,066	183	40.5	23	
30	95	205	851	678		570	916	1,630	1,053	167	40	23.5	
31	89		638	576		647		1,875		153	40		
Sec. Ft. Days	1,852	2,878	9,030	15,655	11,782	18,430	34,268	55,560	59,701	15,386	2,409	823	Year Period
Mean Sec. Ft.	60	96	291	505	421	594	1,142	1,792	1,990	496	78	27	624
Max. Sec. Ft.	156	205	851	1,786	690	1,079	1,765	3,027	2,685	1,023	141	38	3,027
Min. Sec. Ft.	33	64	113	264	293	295	658	963	1,010	153	40	20	20
Total Ac. Ft.	3,674	5,708	17,911	31,052	23,369	36,556	67,971	110,203	118,417	30,518	4,779	1,632	451,790

TABLE NO. 2 - Continued

KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	24	35	89	172	890	720	1,666	2,778	2,421	724	204	36	
2	22	55	81	175	765	702	1,735	2,757	2,048	706	182	55	
3	21	32	78	159	651	702	1,764	2,657	1,049	712	159	53	
4	20	41.5	76	145	598	984	1,735	2,819	1,350	748	134	34	
5	19	44	73	158	565	1,551	1,819	2,405	1,109	756	129	51	
6	18	41.5	64	129	543	1,855	1,906	2,500	1,066	730	120	28.5	
7	17	30.5	66	120	545	1,558	1,616	2,697	1,225	655	117	26.5	
8	12.5	29.5	66	114	820	2,015	2,100	2,717	1,396	587	120	25.5	
9	6	36	66	111	667	10,690	1,940	2,421	1,401	592	108	25	
10	6	56.5	64	108	587	8,210	1,683	2,417	1,520	565	97	28.5	
11	21	55.5	66	105	621	6,600	1,567	2,475	1,365	555	92	28.5	
12	24	34	66	105	609	4,050	1,535	2,321	1,171	534	90	28	
13	35	33.5	64	100	609	5,175	1,486	2,213	990	482	85	27.5	
14	38	32	64	100	844	2,775	1,526	2,048	1,075	443	80	25.5	
15	34	56.5	61	102	679	2,415	1,555	1,750	1,115	454	79	24	
16	55	51.5	55	105	714	2,050	1,585	1,551	1,259	396	76	22.5	
17	50	49	55	105	691	2,325	1,750	1,425	1,369	360	71	22	
18	29.5	106	55	92	679	7,060	1,888	1,320	1,455	320	65	23	
19	29.5	780	55	78	661	5,870	2,010	1,240	1,240	510	60	24	
20	18	270	55	93	691	5,047	1,925	1,592	1,207	322	56	25	
21	15	172	55	2,840	751	2,657	1,925	1,600	1,182	318	65	24	
22	24	142	55	7,525	890	2,697	2,084	1,906	1,020	296	56	23	
23	24	148	114	7,490	952	2,345	2,270	2,139	880	279	56	24	
24	26	147	1,332	2,835	1,602	2,066	2,213	2,597	885	266	54	22	
25	26	155	757	1,560	1,090	1,941	2,270	2,901	815	258	53	20	
26	27	117	372	1,225	890	1,888	2,100	2,963	785	246	50	19	
27	26	102	296	1,186	815	1,871	2,100	2,921	759	238	47	21	
28	32	109	270	890	739	1,925	2,670	2,859	797	226	45	24	
29	32	105	262	800		1,959	2,617	2,637	791	230	42	24	
30	32	95	227	1,319		2,048	2,560	2,364	722	219	39	21.5	
31	32		197	1,260		1,735		2,102		207	37		
Sec.Ft. Dvrs	747	3,057	5,256	31,266	20,952	89,220	57,590	70,850	56,021	15,694	2,674	776	Year Period
Mean Sec.Ft.	24	102	170	1,009	748	2,878	1,920	2,286	1,201	442	86	26	910
Max. Sec.Ft.	38	780	1,332	7,525	1,602	10,690	2,670	2,963	2,421	748	204	36	10,690
Min. Sec.Ft.	0	29	55	78	545	702	1,486	1,240	722	207	37	19	0
Total Ac. Ft.	1,482	6,063	10,426	62,016	41,558	176,968	114,229	140,531	71,448	27,162	5,304	1,539	658,726

Discharge in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	19	15.5	58	80.5	159	496	575	758	1,274	642	77	0.7	
2	18	12	57	96.5	142	550	651	1,062	1,507	568	75.5	1.3	
3	18	12	55	155	142	304	736	1,396	1,401	519	72.5	1.9	
4	18	11.5	56	104	155	175	1,655	515	1,715	1,498	427	61	1.4
5													0.8
6	16	10.5	62	200	160	638	531	1,810	1,668	393	58.5	0.5	
7	9.5	10.5	59	158	252	475	588	1,444	1,557	374	55	0.6	
8	4.5	8	60	200	434	570	621	1,595	1,702	584	29	2.4	
9	4	8.5	59	119	381	449	538	1,929	1,262	336	51	1.4	
10	4	8.5	55	108	246	490	446	1,785	1,071	309	47	2.2	
11	4	15	59	168	221	565	527	1,700	1,099	298	43.5	1.7	
12	4	31.5	60	97	204	615	544	1,686	1,113	283	48	0	
13	4	32.5	59	93	180	570	456	1,809	1,171	268	58	0	
14	4	32.5	59	93	180	480	482	1,939	1,050	252	36.5	0.5	
15	4	31.5	59	93	155	376	399	1,638	866	240	34	0	
16	3.5	35	58	94	142	368	414	1,473	717	221	53.5	0.5	
17	3.5	34.5	58	88	138	591	575	1,113	601	204	35	1.5	
18	5	41.5	59.5	89	126	429	372	1,009	584	186	29	2.5	
19	13	40.5	81	97	132	495	367	1,929	630	175	24	1	
20	14.5	66	118	94	133	475	516	1,084	671	162	27.5	4	
21	11	71	500	97	150	406	599	1,185	635	145	25	5.2	
22	10.5	87	166	94	976	589	572	1,365	556	135	21.5	6	
23	9	75	123	100	672	425	462	1,686	534	129	29	2.7	
24	9	70	108	352	555	476	502	1,614	545	120	18.5	0	
25	9.5	65	103	193	279	532	451	1,683	540	108	19.5	0	
26	9	63	105	155	400	503	443	1,581	493	108	19	0	
27	8	60	85.5	156	322	482	555	1,475	552	102	18	0	
28	12	58	86	124	262	457	552	1,593	702	96.5	16	0	
29	14	58	83.5	117	283	439	438	1,711	725	91.5	14	0	
30	15.5	58	82	148		482	607	1,451	688	89	6.5	0	
31	15		94	211		511		1,520		82.5	0.7		
Sec.Ft. Dvrs	309	1,139	2,580	3,986	7,336	15,543	14,995	46,598	28,747	7,920	1,138	41	Year Period
Mean Sec.Ft.	10	38	83	129	245	501	500	1,503	958	256	37	1	356
Max. Sec.Ft.	19	87	500	552	976	1,635	736	1,939	1,702	642	77	6	1,939
Min. Sec.Ft.	3	8	54	82	126	304	367	758	493	83	1	0	0
Total Ac. Ft.	615	2,259	5,117	7,907	14,551	50,829	29,739	92,427	57,019	15,710	2,257	81	258,509

TABLE NO. 2 - Continued

KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	41.5	103	148	4,890	400	1,361	2,673	1,217	1,376	170	35	
2		71	180	149	11,300	381	1,713	2,713	1,532	1,296	180	35.5	
3		46.5	155	142	4,640	376	1,017	2,773	1,774	1,182	250	100	
4		50.5	123	138	2,183	485	916	2,755	2,351	1,050	197	90	
5		130	123	135	1,471	459	851	2,524	2,124	999	178	69	
6		101	123	138	1,123	391	851	2,466	1,558	879	182	57	
7		85	129	142	903	362	897	2,491	1,384	814	193	50	
8		95	129	142	787	381	997	2,303	1,376	723	158	45	
9		76	121	145	714	391	1,148	2,135	1,407	694	134	42.5	
10		85	117	145	655	420	890	2,494	1,706	644	117	38	
11		643	106	139	609	439	832	2,436	2,040	605	109	36	
12		875	105	129	598	449	787	2,562	2,351	627	99.5	35	
13		362	99.5	125	576	470	732	2,523	2,659	612	94	33.5	
14		210	96.5	127	609	501	685	2,027	2,699	595	86.5	30.5	
15		155	92	132	726	2,434	673	1,767	2,511	536	78.5	28.5	
16		143	92.5	143	587	1,349	763	2,050	2,326	477	71.5	27.5	
17		143	91.5	125	527	1,363	1,025	2,390	2,239	421	66.5	22	
18		134	89	122	548	1,125	1,400	2,117	2,248	381	66.5	19	
19		125	94	115	543	918	1,699	1,681	2,229	381	71.5	19	
20		115	152	108	490	903	2,066	1,453	2,063	361	69	18	
21		110	189	108	480	943	2,288	1,323	2,037	339	66	18.5	
22		108	405	104	464	1,007	2,174	1,269	1,758	335	61	26.5	
23		113	330	104	459	2,250	2,095	1,424	1,495	322	57	30.5	
24		120	248	104	449	1,475	2,030	1,463	1,312	294	53	28.5	
25		118	204	106	429	1,308	2,083	1,529	1,188	277	52	24	
26		111	175	105	410	3,340	1,939	1,457	1,237	250	48	22	
27		108	157	104	405	1,812	1,896	1,409	1,337	236	46	20	
28		108	152	102	410	1,431	2,055	1,431	1,428	229	43.5	19.5	
29		105	189	99	99	1,255	2,296	1,323	1,489	219	41	20	
30		108	163	98	98	1,152	2,606	1,277	1,452	197	36.5	19	
31			148	119	119	1,210	1,180	1,109		178	35		
Sec.Ft. Days	0	4,795	4,681	3,842	37,985	31,180	42,225	61,345	54,527	17,529	3,111	1,059	Year Period
Mean Sec.Ft.	0	160	151	124	1,357	1,006	1,408	1,979	1,818	565	100	35	718
Max. Sec.Ft.	0	875	405	149	11,300	3,340	2,606	2,773	2,699	1,376	250	100	11,300
Min. Sec.Ft.	0	42	89	98	405	362	673	1,109	1,188	178	35	18	0
Total Ac. Ft.	0	9,510	9,284	7,621	75,344	61,845	83,753	121,678	108,155	34,769	6,171	2,100	520,230

Discharge in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	20	397	144	400	189	292	815	1,847	942	238	43	Dry	
2	16	270	130	362	189	300	662	1,821	1,010	219	37.5		
3	15.5	215	124	470	219	300	583	1,635	1,066	211	37.5		
4	14.5	193	116	395	227	275	604	1,736	991	208	33		
5	12	171	168	644	211	275	637	1,624	955	182	29.5		
6	7	155	148	490	227	258	636	1,976	830	168	23		
7	192	200	148	400	222	275	591	2,032	785	155	20		
8	232	162	142	353	211	326	564	1,937	729	142	20		
9	134	152	130	309	204	372	516	1,793	707	135	22		
10	98	162	124	300	197	381	539	1,481	626	123	24		
11	84	207	116	283	204	372	605	1,248	514	111	25		
12	99	204	124	258	178	309	759	1,217	552	111	23		
13	92	200	116	258	197	531	894	1,201	574	111	21		
14	77	197	108	258	185	449	739	1,172	532	100	21		
15	98	189	114	250	189	422	810	1,346	491	100	19		
16	147	193	116	242	266	424	1,029	1,122	457	94	17		
17	138	168	116	242	242	435	1,267	1,052	412	84.5	16.5		
18	115	152	112	238	234	415	1,427	1,080	360	61.5	16.5		
19	101	138	108	230	227	445	1,489	1,239	375	75	9.5		
20	90	132	112	227	219	464	1,450	1,407	366	80.5	5		
21	81	128	298	219	227	445	1,424	1,326	359	113	2.5		
22	70	124	1,908	211	227	415	1,442	1,144	350	95	4.5		
23	62	132	1,392	208	242	445	1,545	1,930	332	60.5	3.5		
24	59	114	739	219	275	435	1,677	845	311	71.5	3.5		
25	54	142	1,752	230	283	416	1,841	888	305	80.5	2		
26	51	136	970	227	266	454	2,029	837	300	106	2		
27	49	124	598	222	258	516	1,934	959	292	90	2		
28	48	120	460	219	283	495	1,966	862	279	65.5	2		
29	490	124	562	211	559	1,947	1,947	791	266	60.5	0		
30	1,410	200	449	189		1,662	1,830	841	258	53	0.5		
31	766		424	186		1,058		915		48	0.5		
Sec.Ft. Days	4,924	5,189	12,048	8,950	6,298	14,220	34,251	40,504	16,344	3,586	487	0	Year Period
Mean Sec.Ft.	159	173	388	289	225	459	1,141	1,307	545	116	16	0	402
Max. Sec.Ft.	1,410	397	1,908	644	283	1,662	2,029	2,032	1,066	238	43	0	2,032
Min. Sec.Ft.	7	114	108	186	178	258	516	791	258	48	0	0	0
Total Ac. Ft.	9,767	10,293	23,897	17,753	12,492	28,205	67,937	80,340	32,418	7,112	966	0	291,180

TABLE NO. 2 - Continued

KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	68.5	54	309	344	197	288	381	1,009	512	104	2		Dry
2	137	54	292	309	197	482	556	1,600	581	94	2		
3	36.5	54	275	275	197	439	594	1,777	467	89	2		
4	54	31.5	258	262	189	410	374	1,649	433	87	2.5		
5	31.5	30.5	416	262	189	344	351	1,730	397	78	1		
6	44	30.5	1,166	258	189	304	330	1,807	569	70.5	1		
7	49	29.5	979	246	193	300	319	1,644	453	66.5	0.5		
8	44	27	598	234	204	296	323	1,478	387	61.5	0		
9	38.5	32.5	480	230	215	292	319	1,043	406	57	0		
10	31.5	54	420	230	358	288	314	843	429	53	0		
11	27	37.5	391	234	300	304	345	692	416	50	0.5		
12	24	40	362	230	266	296	415	647	329	48	1		
13	21	45	344	227	362	300	523	812	340	48	0.5		
14	16.5	57.5	526	204	326	309	638	736	376	45	0		
15	17.5	57.5	313	200	304	314	755	659	385	42.5	0		
16	28	54.5	300	189	304	335	863	917	362	40	0		
17	51.5	54.5	275	189	501	330	978	1,031	518	39	0		
18	42.5	56	258	189	400	344	954	1,053	514	35.5	0		
19	36.5	65	242	186	340	353	1,057	1,183	330	32	0		
20	31.5	1,425	238	186	335	353	1,158	1,179	340	29.5	0		
21	30.5	395	227	182	318	344	965	1,086	270	27.5	0		
22	38.5	227	227	182	304	353	783	1,156	219	24	0		
23	41	4,135	219	178	296	448	631	1,257	189	20	0		
24	44	1,875	242	178	300	410	568	1,103	175	20	0		
25	41	826	439	178	309	353	516	1,019	162	19	0		
26	36.5	584	501	182	309	339	463	937	155	16.5	0		
27	36.5	490	1,468	186	309	372	487	846	150	16.5	0		
28	38.5	420	783	204	304	381	549	759	158	14.5	0		
29	38.5	372	490	189	20	403	494	685	129	8	0		
30	36.5	355	391	197	367	592	670	670	117	1	0		
31	34		353	193	361		367	367		1	0		
Sec.Ft. Days	1,228	11,869	13,582	6,733	8,015	10,812	17,195	33,572	9,648	1,338	14	0	Year Period
Mean Sec.Ft.	40	395	438	217	286	349	573	1,083	322	43	0	0	312
Max. Sec.Ft.	137	4,135	1,468	344	501	482	1,158	1,807	581	104	3	0	4,135
Min. Sec.Ft.	17	27	219	178	189	288	314	567	117	1	0	0	0
Total Ac. Ft.	2,456	23,542	26,940	13,355	15,897	21,446	34,106	66,590	19,137	2,654	28	0	226,131

Discharge in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	22	37.5	35.5	24	66.5	234	488	1,053	368	33		Dry
2	0	60	39	37.5	24	61.5	292	445	1,122	326	30.5		
3	0	70	36.5	39	25	61.5	464	446	883	292	27.5		
4	0	50.5	36.5	39	20	61.5	439	730	1,213	262	24.5		
5	0	42.5	40	42.5	34	52	309	1,163	889	227	23		
6	0	39	40	37.5	36.5	50	283	1,712	878	197	23		
7	0	35.5	39	35.5	37.5	50	275	2,049	1,052	178	24		
8	0	30.5	39	36.5	33	50	234	1,617	1,497	175	21		
9	0	50.5	42.5	34	35.5	54.5	250	1,046	1,554	262	16.5		
10	0	28.5	37.5	42.5	53	59	3,645	835	1,096	165	10.5		
11	38.5	34	36.5	37.5	56	52	1,830	912	1,166	165	9.5		
12	58	33	37.5	33	42.5	52	983	1,153	1,192	155	9.5		
13	23	28.5	37.5	30.5	40	50	680	1,578	1,169	148	9.5		
14	10.5	28.5	37.5	27.5	41.5	50	532	1,218	1,090	135	8		
15	6.5	30.5	37.5	25	44	138	511	2,178	980	129	6.5		
16	6.5	35.5	36.5	25	48	117	576	2,381	948	117	5		
17	10	35.5	36.5	24	58.5	221	714	2,326	876	111	4		
18	13	33	48	23	68.5	160	838	2,062	824	103	4		
19	9.5	33	44	24	68.5	135	769	1,502	714	92	2		
20	8	35.5	45	25	66.5	145	791	986	678	86.5	2.5		
21	6.5	32	53	24	63.5	114	851	802	667	76.5	2		
22	9.5	32	48	26.5	68.5	120	756	813	654	73	2		
23	9.5	30.5	42.5	26.5	86	162	637	1,209	653	68.5	2		
24	6	30.5	40	26.5	70.5	268	495	1,598	574	60	2		
25	4	34	40	27.5	61.5	380	495	1,811	340	58.5	3		
26	5.5	34	40	27.5	59	230	622	2,039	530	53	3		
27	5	35.5	41.5	28.5	57	219	785	2,073	488	46.5	2.5		
28	4.5	35.5	40	22	66.5	234	842	1,767	426	41.5	1.5		
29	5	35.5	38.5	18	70.5	236	785	1,437	399	36.5	1		
30	12	36.5	37.5	17	70	270	595	1,240	405	36	0.5		
31	19		28.5	23	219		219	1,136		34	0		
Sec.Ft. Days	270	1,070	1,234	921	1,457	4,187	21,572	43,354	26,190	4,186	314	0	Year Period
Mean Sec.Ft.	9	36	40	30	50	135	719	1,398	873	135	10	0	286
Max. Sec.Ft.	58	70	53	43	86	380	3,645	2,381	1,554	368	33	0	3,645
Min. Sec.Ft.	0	22	29	17	20	50	234	445	399	34	0	0	0
Total Ac. Ft.	536	2,122	2,448	1,827	2,890	8,305	42,788	85,992	51,948	8,302	623	0	207,781

TABLE NO. 2 - Continued

KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	1.5	41.5	46	108	193	1,084	629	111	6.5	Dry	
2		0	12.5	42.5	41.5	108	185	1,331	671	92	2		
3		0	14.5	40	46	135	182	1,271	738	92	1.5		
4		0.5	24	33	46	242	222	845	643	89			
5		11	28.5	23	48	284	318	868	604	83.5	0.5		
6		9.5	27.5	34	50	168	368	1,085	613	81	0		
7		5	28.5	39	68.5	152	326	1,112	674	74	0		
8		5	28.5	37.5	78	164	326	1,072	733	64	0		
9		5	30.5	36.5	57	138	309	976	685	56	0		
10		5	30.5	33	57	129	462	772	626	50.5	0		
11		6.5	29.5	29.5	68.5	383	628	769	561	50	0		
12		6.5	28.5	33	81	283	736	998	599	44	0		
13		5	28.5	35.5	63.5	201	835	1,095	472	39	0		
14		5	33	37.5	76	168	940	1,403	451	37.5	0		
15		5	42.5	35.5	81	175	988	988	435	35.5	0		
16		9	37.5	33	86.5	179	838	868	420	33	0		
17		9.5	40	28.5	89	189	987	985	357	29.5	0		
18		11	44	33	100	204	866	1,108	305	26.5	0		
19		5.5	36.5	39	123	242	789	1,005	262	27.5	0		
20		0	35.5	167	135	302	715	841	219	25	0		
21		0	36.5	94	129	219	1,010	854	204	21	0		
22		0	36.5	68.5	117	219	1,368	986	183	18	0		
23		0.5	34	78	135	335	1,432	1,211	189	14.5	0		
24		1	30.5	57	138	296	1,399	1,386	182	12	0		
25		1	28.5	48	158	234	1,429	1,456	172	7	0		
26		2	33	44	145	207	1,199	1,557	162	3	0		
27		1	52	44	148	204	1,090	1,584	135	3	0		
28		0	52	41.5	117	242	1,302	1,359	138	1.5	0		
29		0	42.5	44		219	1,304	1,016	129	0.5	0		
30		0	39	46		189	1,098	803	123	1.5	0		
31			39	46		197		711		6.5	0		
Sec.Ft.	0	110	1,005	1,443	2,528	6,515	23,844	33,399	12,284	1,229	11	0	Year
Mean													Period
Sec.Ft.	0	4	32	47	90	210	795	1,077	410	39	0	0	226
Max.													
Sec.Ft.	0	11	52	167	158	383	1,432	1,584	733	111	7	0	1,584
Min.													
Sec.Ft.	0	0	2	23	42	108	182	711	123	1	0	0	0
Total													
Ac. Ft.	0	218	1,993	2,862	5,015	12,923	47,295	66,247	24,365	2,437	22	0	163,377

TABLE NO. 3

ST. JOHNS BRANCH OF KAWEAH RIVER AT MC KAY POINT

Location of gaging station - Southeast quarter of Section 4, Township 18 South, Range 27 East, M.D.B. & M., at point of bifurcation of Kaweah River into St. Johns and Kaweah branches. Map designation ③.

Owner of gaging station - Kaweah River and St. Johns River associations.

Description of gaging station - A broad crested weir consisting of two sections, each 113.6 feet in length with the same crest elevations, one section crossing the head of each branch; a water stage recorder above the weir on the south bank of the river; a cable way and car about 100 yards upstream; and a controlled by-pass structure at the south end of the Kaweah Branch weir section. The crest of the weir section crossing St. Johns Branch is equipped with flashboards to make possible the diversion of the entire low flow into the Kaweah Branch. An accurate relationship has been established between water levels at the recorder and flows over each of the weir sections. Since 1940 a radio stream gage has been in continuous operation.

Period of record - 1916-1949.

Criteria governing the division of flow at McKay Point - Flows are divided equally between the Kaweah and St. Johns branches, with the exception that once the flow has receded to 80 second-feet in the late summer months, the entire flow, regardless of amount, is diverted into the Kaweah Branch until the first time it exceeds 80 second-feet after October 1. When Wutchumna Water Company transfers Barton Cut diversions from St. Johns Branch to Wutchumna Ditch above McKay Point, the resulting unbalanced flow at that point is compensated by the release of an equivalent amount into the Kaweah Branch through the controlled by-pass structure.

Discharge in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	10.5	27	0	20	265	1,295	1,275	725	840	215	Dry	Dry	
2	20.5	27	0	118	298	1,040	872	950	830	188			
3	60.5	16	0	334	913	880	725	990	740	180			
4	55.5	0	0	452	1,525	756	635	925	770	192			
5	46	0	0	240	692	685	584	855	690	177			
6	41.5	0	0	109	499	645	532	890	690	158			
7	73	0	0	125	419	969	533	870	715	147			
8	73	0	0	364	357	555	518	970	755	135			
9	70	0	0	287	315	547	526	1,100	795	122			
10	61.5	0	0	664	290	499	555	1,255	732	106			
11	54	0	0	1,805	276	439	600	1,325	710	98			
12	44.5	0	0	1,155	260	373	675	1,265	720	91			
13	38	0	0	499	235	333	780	1,275	710	85			
14	35.5	0	0	321	493	315	845	1,305	705	78			
15	31	0	0	238	446	309	855	1,325	665	71			
16	26	0	0	194	336	309	668	1,285	610	70			
17	22.5	0	0	171	321	315	569	1,080	572	69			
18	20	0	0	158	324	321	623	915	478	65			
19	18.5	0	0	145	281	315	740	960	432	62			
20	17	0	9	132	271	321	772	1,060	357	59			
21	15	0	19	124	265	351	870	1,205	341	56			
22	13	0	18	120	274	381	960	1,195	345	53			
23	12	0	14	116	1,600	419	960	1,225	306	48			
24	11	0	18	116	830	452	995	1,325	293	46			
25	17	0	19	265	856	540	915	1,295	281	46			
26	30.5	0	17	1,670	2,880	540	845	1,145	249	44.5			
27	38	0	19	629	1,435	1,310	660	1,070	223	43			
28	38	0	18	400	1,165	805	562	1,040	224	42			
29	36	0	18	327	1,935	595	540	925	225	40			
30	32	0	19	287		600	570	830	298	26			
31	25	0	20	265		1,390		775	0				
Sec.Ft. Days	1,092	70	210	11,850	20,056	18,204	21,759	33,355	16,301	2,812	0	0	Year Period
Mean Sec.Ft.	35	2	7	382	692	587	725	1,076	543	91	0	0	343
Max. Sec.Ft.	78	27	20	1,805	2,880	1,390	1,275	1,325	840	215	0	0	2,880
Min. Sec.Ft.	11.0	0	0	20	235	309	518	725	223	0	0	0	0
Total Ac. Ft.	2,150	139	416	23,504	39,781	36,108	43,159	66,160	32,333	5,578	0	0	249,344

DIVISION OF WATER RESOURCES

TABLE NO. 3 - Continued

ST. JOHNS BRANCH OF KAWLE RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	49	85	233	190	849	439	600	1,130	676	134	40	
2	0	47.5	86	190	180	982	540	715	1,220	680	129	19	
3	0	49	84	107	171	810	431	800	1,340	660	118	0	
4	0	49	54	158	167	729	678	995	1,385	658	104	0	
5	0	45	0	158	162	680	1,470	1,075	1,405	660	95	0	
6	0	40	0	149	218	599	833	1,255	1,460	629	93	0	
7	0	38	0	244	235	543	716	1,390	1,330	609	112	0	
8	0	38	0	338	337	519	622	1,495	1,040	607	119	0	
9	0	39	0	182	1,272	502	676	1,495	922	576	106	0	
10	0	42	0	158	1,208	488	815	1,570	1,090	509	99	0	
11	0	3E	0	149	1,213	455	1,054	1,755	1,295	481	95	0	
12	0	60	0	145	2,075	442	772	1,775	1,390	462	88	0	
13	0	74	0	140	1,013	462	700	1,560	1,435	426	84	0	
14	0	73	0	249	741	484	668	1,325	1,355	367	71.5	0	
15	0	70	0	202	708	437	660	1,200	1,355	309	67	0	
16	0	70	0	104	569	397	660	1,300	1,325	281	79	0	
17	0	78	5	149	569	394	595	1,465	1,295	237	151	0	
18	0	93	67	145	485	411	547	1,420	1,158	265	95	0	
19	0	124	196	145	400	426	510	1,155	1,175	265	78	0	
20	0	105	97	138	400	412	478	1,225	1,150	228	70	0	
21	0	105	79	134	580	351	459	1,355	1,068	225	63	0	
22	0	90	90	108	506	345	452	1,540	1,005	210	58.5	0	
23	0	93	848	185	452	360	478	1,680	968	208	54	0	
24	0	89	523	1,180	771	363	485	1,595	900	194	52.5	0	
25	0.5	89	450	487	622	306	506	1,575	772	171	49	0	
26	165	81	233	353	493	372	499	1,615	752	167	46	0	
27	107	86	1,505	293	432	387	530	1,475	630	162	44.5	0	
28	67	83	1,095	243	514	400	622	1,370	525	158	43	0	
29	60	80	485	217	465	733	1,220	575	145	145	42	0	
30	57	91	351	198	381	765	1,200	635	138	42	42	0	
31	51	304	190	190	390	390	1,155	1,155	140	42	42	0	
Sec.Ft. Days	508	2,125	6,638	7,161	16,713	15,201	19,402	41,450	33,096	11,553	2,527	59	Year Period
Mean Sec.Ft.	16	71	214	231	597	490	647	1,337	1,103	373	82	2	429
Max. Sec.Ft.	165	124	1,505	1,180	2,075	982	1,470	1,775	1,460	680	151	40	2,075
Min. Sec.Ft.	0	38	0	134	162	345	431	660	526	138	42	0	0
Total Ac. Ft.	1,008	4,215	13,167	14,204	33,150	30,151	38,484	82,216	65,646	22,915	65,046	5,012	310,285

Discharge in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	139	233	254	145	315	492	1,040	492	69	Dry	
2	0	0	113	182	249	153	348	465	1,054	478	64		
3	0	0	42	167	345	158	400	472	933	495	60		
4	0	0	481	151	276	170	873	522	1,071	472	55.5		
5	0	0	297	140	287	187	592	584	1,225	459	54		
6	0	25	243	132	339	204	533	695	1,300	394	52.5		
7	0	60	208	130	315	213	439	817	1,215	360	49		
8	0	51	187	149	421	228	422	933	1,102	333	47.5		
9	0	46	176	149	249	247	419	1,028	1,185	307	46		
10	0	42	174	151	233	257	446	937	1,326	276	47.5		
11	0	38	171	169	213	518	506	872	1,330	273	51		
12	0	35	158	180	199	540	472	700	1,270	231	48		
13	0	34	149	182	194	475	544	592	1,205	206	45		
14	0	36	147	182	176	419	764	566	1,170	204	42		
15	0	34	211	178	171	476	622	566	1,165	202	30		
16	0	34	233	169	167	387	547	529	1,106	194	0		
17	0	43	327	158	162	354	736	519	1,111	182	0		
18	0	49	239	149	153	374	576	576	1,089	180	0		
19	0	40	213	143	149	351	584	881	1,023	176	0		
20	0	37	208	138	145	312	688	1,166	920	174	0		
21	0	34	225	134	145	304	684	1,420	842	163	0		
22	0	37	203	158	204	307	650	1,502	834	156	0		
23	0	38	203	152	171	304	660	1,093	492	142	0		
24	0	34	225	160	167	282	569	1,400	750	132	0		
25	0	31	194	777	158	244	618	1,482	668	128	0		
26	0	48	23	534	153	223	576	1,385	596	122	0		
27	0	71	240	608	149	218	592	1,046	488	114	0		
28	0	71	298	600	149	220	584	1,093	492	103	0		
29	0	76	403	339	244	495	689	516	61	89	0		
30	0	203	426	339	309	371	443	796	510	61	0		
31	0	318	287	287	309	309	920	920	74.5	0	0		
Sec.Ft. Days	0	1,247	7,462	7,810	5,853	9,094	16,687	27,310	29,349	7,393	701	0	Year Period
Mean Sec.Ft.	0	42	241	252	209	293	520	881	978	238	25	0	309
Max. Sec.Ft.	0	203	481	900	345	540	873	1,502	1,330	495	69	0	1,502
Min. Sec.Ft.	0	0	113	130	145	145	315	405	488	75	0	0	0
Total Ac. Ft.	0	2,173	11,801	12,491	11,609	18,038	33,099	54,109	58,214	14,664	1,510	0	224,068

TABLE NO. 3 - Continued

ST. JOHNS BRANCH OF KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	89	80	446	360	840	1,407	1,224	346	101	Dry	
2		0	65	86	382	351	871	1,396	1,035	337	90		
3		0	38	76	130	351	900	1,335	851	340	78		
4		0	37	71.5	299	494	874	1,427	669	357	65		
5		0	35.5	68	282	781	917	1,215	557	351	63.5		
6		0	31	62.5	271	935	962	1,265	535	348	59		
7		0	32	59	271	673	814	1,365	616	301	57.5		
8		0	32	56	411	1,019	1,060	1,375	697	277	59		
9		0	32	54.5	334	5,475	980	1,224	686	279	53		
10		0	31	53	253	4,195	849	1,222	646	265	47.5		
11		0	32	51.5	310	3,370	789	1,252	669	260	45		
12		0	32	51.5	304	2,060	773	1,173	571	250	44.5		
13		0	31	49.5	304	1,610	748	1,118	479	223	41		
14		0	31	45.5	322	1,405	768	1,035	522	204	39.5		
15		0	30	50	340	1,220	773	883	542	209	28		
16		0	27	51.5	357	1,025	797	781	614	180	0		
17		0	27	51.5	346	1,175	883	716	670	162	0		
18		27	27	45	340	3,605	953	639	713	143	0		
19		390	27	38	331	1,965	1,015	623	692	143	0		
20		134	27	45.5	346	1,544	971	701	588	160	0		
21		85	27	1,445	376	1,335	971	806	575	158	0		
22		70	27	3,850	446	1,365	1,052	962	494	147	0		
23		73	57	3,825	478	1,186	1,147	1,080	424	138	0		
24		101	674	1,435	807	1,043	1,118	1,314	426	132	0		
25		135	379	785	548	980	1,147	1,469	391	128	0		
26		117	185	616	446	953	1,060	1,501	376	122	0		
27		102	147	586	407	944	1,060	1,479	363	118	0		
28		109	134	446	370	971	1,350	1,438	382	112	0		
29		105	130	401	989	1,324	1,335	379	114	0			
30		93	113	664	1,035	1,295	1,195	354	108	0			
31			97	634	874		1,061		102	0			
Sec.Ft. Dcys	0	1,541	2,684	15,840	10,497	45,288	29,064	35,792	17,715	6,514	872	0	Year Period
Mean Sec.Ft.	0	51	87	511	375	1,461	969	1,155	591	210	28	0	454
Max. Sec.Ft.	0	390	674	3,850	807	5,475	1,350	1,501	1,224	357	101	0	5,475
Min. Sec.Ft.	0	0	27	38	271	351	748	623	354	102	0	0	0
Total Ac. Ft.	0	3,056	5,324	31,419	20,821	89,829	57,648	70,993	35,138	12,920	1,730	0	328,878

Discharge in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	13.5	58	39.5	78	247	275	366	623	308	26.5	Dry	
2	0	12	57	47.5	70	174	313	518	741	271	0		
3	0	12	55	76	70	151	355	686	687	247	0		
4	0	12	54	30.5	113	192	293	796	654	234	0		
5	0	11.5	56	0	86	825	245	850	736	202	0		
6	0	10.5	62	0	79	319	254	895	822	186	0		
7	0	10.5	59	0	117	236	282	710	766	175	0		
8	0	8	53	22	99	216	299	786	840	171	0		
9	0	8.5	52	58.5	190	223	258	955	617	162	0		
10	0	8.5	48	53	122	244	211	862	522	154	0		
11	0	15	52	83	109	282	253	840	535	148	0		
12	0	31.5	53	47.5	101	307	260	833	542	140	0		
13	0	32.5	52	45.5	89	285	216	895	572	133	0		
14	0	32.5	52	45.5	80	239	190	960	511	125	0		
15	0	31.5	52	45.5	76	187	188	909	420	119	0		
16	0	35	51	46	70	183	195	724	346	109	0		
17	0	34.5	51	43.5	68	194	175	542	288	101	0		
18	0	41.5	52.5	44	62	213	180	490	279	92	0		
19	0	46.5	74	47.5	65	247	183	446	302	86	0		
20	0	66	87	46	65.5	236	251	528	322	80	0		
21	0	71	149	47.5	74	202	187	579	304	71.5	0		
22	0	87	82	46	490	193	174	669	265	90.5	0		
23	0	75	60.5	49	336	211	218	831	260	63.5	0		
24	5.5	70	53	105	106	237	236	795	200	59	0		
25	9.5	65	50.5	95	138	265	213	830	258	53	0		
26	9	63	51.5	76	199	251	209	778	234	53	0		
27	8	60	41	67	160	240	255	724	263	50	0		
28	12	58	42.5	61	130	227	202	784	338	47.5	0		
29	14	58	41	57.5	140	228	231	874	349	45	0		
30	15.5	58	40	73	234	234	291	713	331	44	0		
31	15	46	134	134	242	242	748			40.5	0		
Sec.Ft. Dcys	88	1,139	1,788	1,002	3,003	7,730	7,154	22,936	13,987	3,836	27	0	Year Period
Mean Sec.Ft.	3	38	58	50	120	249	239	740	466	124	1	0	175
Max. Sec.Ft.	15	87	149	135	490	825	355	955	840	308	27	0	955
Min. Sec.Ft.	0	8	40	0	2	151	174	366	234	41	0	0	0
Total Ac. Ft.	175	2,259	3,546	3,009	7,226	15,332	14,190	45,494	27,743	7,609	53	0	126,924

TABLE NO. 3 - Continued

ST. JOHNS BRANCH OF KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	73	2,500	199	685	1,335	594	672	84	Dry	
2		0	55	73.5	5,790	189	590	1,355	752	632	89		
3		0	76	70	2,360	187	510	1,355	874	574	124		
4		0	60.5	68	1,103	242	459	1,375	1,166	508	97		
5		0	60.5	66.5	741	228	426	1,259	1,051	483	88		
6		0	60.5	68	564	194	426	1,229	765	423	90		
7		0	63.5	70	453	180	450	1,242	677	391	95		
8		0	63.5	70	394	189	500	1,147	673	346	73		
9		0	59.5	30.5	357	194	577	1,061	689	331	66		
10		0	57.5	0	327	209	446	1,244	840	304	57.5		
11		146	53.5	0	304	218	417	1,214	1,006	285	53.5		
12		237	51.5	0	299	223	394	1,279	1,147	296	49		
13		25	49	0	288	234	366	1,259	1,324	288	42		
14		0	47.5	0	304	250	343	1,006	1,345	280	42.5		
15		0	46.5	0	363	1,233	337	874	1,249	250	28.5		
16		0	45.5	0	293	679	382	1,016	1,155	220	0		
17		0	45	0	265	686	515	1,186	1,112	192	0		
18		0	44	0	274	565	705	1,047	1,116	175	0		
19		0	46	0	271	461	857	827	1,104	173	0		
20		0	75	0	244	453	1,043	712	1,020	171	0		
21		0	93	0	239	473	1,157	646	1,006	168	0		
22		0	201	0	231	505	1,089	619	865	166	0		
23		0	164	0	228	1,137	1,035	697	733	160	0		
24		0	123	0	223	743	1,001	712	635	146	0		
25		0	101	0	213	658	1,030	745	578	137	0		
26		0	86	0	204	1,695	957	709	603	124	0		
27		0	77	0	202	914	935	685	653	117	0		
28		0	75	0	204	720	1,016	701	698	114	0		
29		0	83	0	631	1,137	646	729	108	0	0		
30		0	80.5	0	579	1,298	623	711	97	0	0		
31		0	73	23	608	608	538	538	88	0	0		
Sec.Ft. Days	0	408	2,226	613	19,236	15,676	21,083	30,373	26,872	8,417	1,088	0	Year Period
Mean Sec.Ft.	0	14	72	20	687	506	703	980	896	271	35	0	345
Max. Sec.Ft.	0	237	201	74	5,790	1,695	1,298	1,385	1,345	672	124	0	5,790
Min. Sec.Ft.	0	0	0	0	202	180	337	538	578	88	0	0	0
Total Ac. Ft.	0	809	4,415	1,216	38,155	31,093	41,818	60,245	53,301	16,695	2,158	0	249,905

Discharge in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	197	71	199	93	145	393	908	453	118	Dry	Dry	
2	0	134	64	180	93	149	316	895	487	108			
3	0	106	61	234	108	149	277	801	515	104			
4	0	95	57	196	113	136	288	853	476	103			
5	0	84	83	322	104	136	304	897	459	90			
6	0	76	73	244	113	128	304	974	397	83			
7	11	99	73	199	110	136	282	1,002	376	70			
8	4	80	70	175	104	162	268	951	351	70			
9	0	75	64	154	101	185	244	881	340	66.5			
10	0	80	61	149	97	189	255	724	299	60.5			
11	0	102	57	140	101	185	288	609	242	54.5			
12	0	101	61	128	88	154	363	594	290	54.5			
13	0	99	57	128	97	265	430	586	271	54.5			
14	0	97	53	128	91	223	354	571	250	49.5			
15	0	93	56	124	93	204	388	659	228	49.5			
16	0	95	57	120	132	199	497	546	209	46			
17	0	83	57	120	120	204	616	511	185	41.5			
18	0	75	55	118	116	194	696	525	169	18			
19	0	68	53	114	113	209	728	604	166	0			
20	0	65	55	113	108	218	709	689	162	0			
21	0	63	148	108	113	209	696	649	158	0			
22	0	61	963	104	113	194	705	557	154	0			
23	0	59	701	103	120	209	756	449	145	0			
24	0	56	370	108	136	204	823	407	146	0			
25	0	70	884	114	140	194	905	426	152	0			
26	0	67	487	113	132	213	1,000	401	149	0			
27	0	61	299	110	128	244	952	462	145	0			
28	0	59	260	108	140	234	968	414	138	0			
29	165	61	239	104	104	265	959	379	132	0			
30	547	99	223	93	88	819	900	404	128	0			
31	312		211	92		515		440		0			
Sec.Ft. Days	1,039	2,560	6,023	4,442	3,117	6,870	16,664	19,768	7,742	1,247	0	0	Year Period
Mean Sec.Ft.	34	85	194	143	111	222	555	638	258	40	0	0	190
Max. Sec.Ft.	547	197	963	322	140	819	1,000	1,002	515	118	0	0	1,002
Min. Sec.Ft.	0	56	53	92	88	128	244	379	128	0	0	0	0
Total Ac. Ft.	2,061	5,078	11,947	8,811	6,183	13,626	33,053	39,210	15,356	2,473	0	0	137,798

TABLE NO. 3 - Continued

ST. JOHNS BRANCH OF KAWEAR RIVER AT MCKAY POINT

Discharge in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	68.5	34	154	171	97	143	180	488	242	51	Dry	Dry	
2	137	34	145	154	97	240	166	788	276	46			
3	36.5	34	136	136	97	215	185	874	220	44			
4		31.5	128	130	93	204	175	813	204	43			
5	31.5	30.5	207	130	93	171	164	853	187	38			
6	44	30.5	586	128	93	151	154	892	171	34.5			
7	49	29.5	491	122	95	149	149	810	202	15.5			
8	44	27	299	116	101	147	151	725	177	0			
9	38.5	32.5	239	114	106	145	149	507	187	0			
10	31.5	34	209	114	178	143	147	407	199	0			
11	27	37.5	194	116	149	151	162	334	192	0			
12	24	40	180	114	132	147	196	310	147	0			
13	21	45	171	113	180	149	250	391	160	0			
14	16.5	57.5	162	101	162	154	306	554	187	0			
15	17.5	57.5	156	99	151	156	363	316	191	0			
16	28	54.5	149	93	151	166	417	442	180	0			
17	33.5	54.5	136	93	250	164	476	499	158	0			
18	42.5	56	128	93	199	171	462	511	156	0			
19	36.5	65	120	92	189	175	512	577	164	0			
20	31.5	1,010	118	92	166	175	563	574	169	0			
21	30.5	288	113	90	158	171	466	528	134	0			
22	38.5	113	113	90	151	175	376	563	108	0			
23	41	2,105	108	88	147	223	302	612	93	0			
24	44	947	120	88	149	204	271	535	86	0			
25	41	414	218	88	154	175	247	493	80	0			
26	36.5	292	250	90	154	168	220	452	76	0			
27	36.5	244	740	92	154	185	234	407	74	0			
28	38.5	209	392	101	151	189	267	365	68	0			
29	36.5	185	244	93	189	195	236	327	93.5	0			
30	36.5	166	194	97	175	282	322	322	57.5	0			
31	34		175	95		171		271		0			
Sec.Ft. Days	1,228	6,758	6,775	3,333	3,977	5,351	8,228	16,340	4,609	272	0	0	Year Period
Mean Sec.Ft.	40	225	218	107	142	173	274	527	154	9	0	0	156
Max. Sec.Ft.	137	2,105	740	171	250	240	563	892	276	51	0	0	2,105
Min. Sec.Ft.	17	27	108	88	93	143	147	271	58	0	0	0	0
Total Ac. Ft.	2,436	13,405	13,438	6,611	7,888	10,614	16,320	32,410	9,142	540	0	0	112,804

Discharge in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	Dry	Dry	Dry	0	32.5	116	234	500	171	Dry	Dry	
2	0				0	30	145	213	535	182			
3	0				0	30	231	207	417	145			
4	0				0	30	249	340	582	130			
5	0				0	25.5	154	557	420	113			
6	0				0	24.5	140	833	414	97			
7	0				0	24.5	135	1,061	500	88			
8	0				0	24.5	110	785	723	86			
9	0				0	27	124	500	751	83			
10	0				0	29	1,852	394	522	81.5			
11	19				0	25.5	924	433	557	81.5			
12	40.5				0	25.5	493	551	76	76			
13	21				0	24.5	340	766	560	73			
14	10.5				0	47	265	937	522	66.5			
15	6.5				0	68	255	1,070	466	63.5			
16	6.5				0	57.5	288	1,181	450	57.5			
17	10				0	109	357	1,176	414	54.5			
18	13				17	79	420	1,030	388	50.5			
19	9.5				33.5	66.5	380	623	334	45			
20	8				32.5	71.5	382	465	316	42.5			
21	6.5				31	56	411	376	310	27			
22	9.5				33.5	59	355	382	304	0			
23	9.5				42.5	80	304	579	293	0			
24	6				34.5	133	234	823	263	0			
25	4				30	189	234	879	244	0			
26	1.5				29	114	293	995	238	0			
27	0				28	108	370	1,013	218	0			
28	0				32.5	116	397	857	189	0			
29	0				34.5	118	370	691	175	0			
30	0					134	282	623	180	0			
31	0					108		542		0			
Sec.Ft. Days	184	0	0	0	379	2,067	10,625	21,058	12,357	1,794	0	0	Year Period
Mean Sec.Ft.	6	0	0	0	13	67	354	679	412	58	0	0	132
Max. Sec.Ft.	41	0	0	0	43	189	1,852	1,181	751	171	0	0	1,852
Min. Sec.Ft.	0	0	0	0	0	24	116	207	175	0	0	0	0
Total Ac. Ft.	365	0	0	0	752	4,100	21,075	41,768	24,510	3,558	0	0	96,128

DIVISION OF WATER RESOURCES

TABLE NO. 3 - Continued

ST. JOHNS BRANCH OF KAWAEEH RIVER AT MO KAY POINT

Discharge in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	22.5	53	95	515	288	54.5	Dry	Dry	
2				0	20	53	91	639	710	45			
3				0	22.5	66.5	90	608	334	45			
4				0	22.5	120	110	397	296	44			
5				0	23.5	141	158	407	277	41			
6				0	24.5	83	183	515	282	39.5			
7				0	33.5	75	162	528	310	17.5			
8				0	38	81	162	507	340	0			
9				0	28	68	154	459	310	0			
10				0	28	63.5	230	357	288	0			
11				0	33.5	191	314	357	255	0			
12				0	39.5	140	368	473	253	0			
13				0	31	99	418	522	209	0			
14				0	37	83	471	675	199	0			
15				0	39.5	86	496	461	204	0			
16				0	42.5	88	420	407	209	0			
17				0	44	93	495	466	177	0			
18				0	49	101	434	528	152	0			
19				0	60.5	120	388	476	130	0			
20				58	66.5	150	340	394	108	0			
21				46	63.5	108	486	401	101	0			
22				33.5	57.5	108	644	466	95	0			
23				38	66.5	166	695	579	93	0			
24				28	68	147	680	656	90	0			
25				23.5	78	116	692	701	85	0			
26				21.5	71.5	102	577	750	80	0			
27				21.5	73	101	522	764	75	0			
28				20	57.5	120	624	650	68	0			
29				21.5		108	625	479	63.5	0			
30				22.5		93	522	373	60.5	0			
31				22.5		97		327		0			
Sec. Ft. Days	0	0	0	357	1,241	3,221	11,066	15,852	5,749	286	0	0	Year Period
Mean Sec. Ft.	0	0	0	12	44	104	389	511	192	9	0	0	105
Max. Sec. Ft.	0	0	0	58	78	191	695	764	340	55	0	0	764
Min. Sec. Ft.	0	0	0	0	20	53	90	327	61	0	0	0	0
Total Ac. Ft.	0	0	0	708	2,462	6,389	23,140	31,442	11,403	567	0	0	76,111

TABLE NO. 4

KAWEASH BRANCH OF KAWEASH RIVER AT MC KAY POINT

Location of gaging station - Southeast quarter of Section 4, Township 18 South, Range 27 East, N.D.B.A M.,
 at point of bifurcation of Kaweash River into St. Johns and Kaweash branches. Map designation ④.

Owner of gaging station - Kaweash River and St. Johns River associations.

Description of gaging station - A broad crested weir consisting of two sections, each 113.6 feet in length
 with the same crest elevations, one section crossing the head of each branch; a water stage recorder
 above the weir on the south bank of the river; a cutaway end cut about 100 yards upstream; end a
 controlled by-pass structure at the south end of the Kaweash Branch weir section. The crest of the
 weir section crossing St. Johns Branch is equipped with flashboards to make possible the diversion
 of the entire low flow into the Kaweash Branch. An accurate relationship has been established be-
 tween water levels at the recorder and flows over each of the weir sections. Since 1940 a radio
 stream gage has been in continuous operation.

Period of record - 1916-1949.

Criteria governing the division of flow at McKay Point - Flows are divided equally between the Kaweash and St.
 Johns branches, with the exception that once the flow has receded to 80 second-feet in the late sum-
 mer months, the entire flow, regardless of amount, is diverted into the Kaweash Branch until the first
 time it exceeds 80 second-feet after October 1. When Wutchumne Water Company transfers Berton Cut
 diversions from St. Johns Branch to Wutchumne Ditch above McKay Point, the resulting unbalanced flow
 at that point is compensated by the release of an equivalent amount into the Kaweash Branch through
 the controlled by-pass structure.

Discharge in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	11.5	0	24	22	268	1,270	1,285	750	865	255	70	0	
2	21.5	0	27.5	119	300	1,020	893	975	855	219	66	0	
3	64.5	10	29.5	333	894	865	745	1,015	770	196	60	0	
4	59.5	32	26.5	449	1,490	744	665	945	800	195	55	0	
5	49	28.5	25.5	242	682	675	616	880	720	179	50	10	
6	45	28.5	24	115	497	640	568	915	720	161	47	23	
7	82	24	29.5	129	419	567	567	900	740	150	43	21	
8	77	28.5	32	364	357	553	552	990	785	139	40	16.5	
9	74	29.5	31	289	317	546	559	1,125	825	126	39	7.5	
10	65.5	34	29.5	654	292	497	590	1,275	758	111	37	0	
11	58	34	45	1,760	278	437	630	1,340	735	102	35	0	
12	47.5	32	66	1,130	262	389	705	1,285	745	95	33	0	
13	41	27.5	50	497	240	365	805	1,295	740	90	32.5	0	
14	38.5	22	44	323	490	348	870	1,325	735	83	32.5	0	
15	33	21	43	242	443	343	880	1,340	700	75	33.5	0	
16	29	21	43	197	336	343	697	1,305	645	73	33.5	0	
17	24.5	22	42	174	323	348	601	1,105	608	72	33	0	
18	22	26.5	41	161	325	354	652	940	512	68	32.5	0	
19	20.5	25.5	40	148	284	348	765	985	454	66	29.5	0	
20	19	23	32	136	273	354	798	1,080	389	63	27.5	0	
21	17	22	21	128	268	382	900	1,230	373	59	25	0	
22	15	22	20	124	276	414	980	1,220	376	56	23	0	
23	13.5	23	18	120	1,560	450	980	1,250	339	51	17	0	
24	12.5	21	20	120	816	482	1,015	1,345	326	49	13	0	
25	19	20	21	260	841	571	935	1,310	316	49	19.5	0	
26	8.5	20	19	1,630	2,790	571	865	1,175	284	47.5	18	0	
27	0	27.5	21	623	1,405	1,320	685	1,095	259	46	17	0	
28	0	24	20	400	1,170	830	596	1,065	259	45	9	0	
29	0	24	20	328	1,825	630	575	850	262	44	0	0	
30	0	24	21	289	630	600	630	855	338	54	0	0	
31	0	22	22	268	1,405	571	935	1,310	316	49	19.5	0	
Sec.Ft. Days	968	697	948	11,774	19,721	18,691	22,574	34,070	17,243	3,094	971	78	Year Period
Mean Sec.Ft.	31	23	31	380	680	603	752	1,099	575	100	31	3	358
Max. Sec.Ft.	82	34	66	1,760	2,790	1,405	1,285	1,345	865	255	70	23	2,790
Min. Sec.Ft.	0	0	18	22	240	343	552	750	259	44	0	0	0
Total Ac. Ft.	1,920	1,382	1,880	23,354	39,117	37,074	44,775	67,578	34,201	6,137	1,926	155	259,499

TABLE NO. 4 - Continued

KAWEAH BRANCH OF KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	52	0	227	192	835	461	680	1,145	704	138	44	
2	0	50.5	0	192	183	964	563	735	1,235	708	133	58	
3	0	52	0	169	174	797	454	875	1,350	707	122	74	
4	0	52	25	161	169	716	694	1,010	1,390	696	109	74	
5	0	46	80	161	165	671	1,460	1,090	1,410	689	99	70	
6	0	44	79	152	222	595	840	1,265	1,465	659	98	66	
7	0	41	74	247	240	542	725	1,390	1,335	638	116	65	
8	0	41	70	242	335	518	635	1,505	1,055	636	123	63	
9	0	42	63	185	1,243	500	687	1,525	938	608	111	62	
10	0	45	60	161	1,182	487	826	1,585	1,110	540	103	61	
11	0	41	61	152	1,187	453	1,063	1,750	1,305	512	99	59	
12	0	16	62	148	2,015	440	785	1,770	1,400	492	93	57	
13	0	0	60	144	995	460	715	1,565	1,440	456	89	52	
14	0	0	53	252	729	485	684	1,330	1,390	401	78.5	50	
15	0	0	54	205	697	439	676	1,215	1,355	349	70	53	
16	0	0	68	167	567	397	676	1,305	1,240	320	82	43	
17	0	0	234	152	567	394	0.19	1,470	1,305	295	155	40	
18	0	0	186	148	484	411	573	1,425	1,167	304	100	43	
19	0	0	200	148	427	425	535	1,175	1,195	304	82	44	
20	0	0	101	142	400	427	504	1,235	1,170	267	73	41	
21	0	0	84	138	577	375	483	1,360	1,082	265	67	44	
22	0	0	94	172	504	369	476	1,540	1,025	249	62.5	45	
23	0	0	832	188	450	384	504	1,655	987	247	58	45	
24	0	0	519	1,155	782	387	510	1,590	920	232	56.5	43	
25	60.5	0	450	486	616	390	531	1,575	793	203	52	41	
26	311	0	237	363	491	397	524	1,615	773	195	49	40	
27	713	0	1,470	294	431	411	562	1,475	655	179	47.5	43	
28	10	0	1,080	247	511	424	645	1,370	554	161	46	44	
29	64	0	484	221	489	749	1,230	605	148	45	45	43	
30	51	0	351	200	451	786	1,215	660	142	45	45	41	
31	55	0	306	192	413	413	1,175	1,175	144	45	45	41	
Sec.Ft. Days	734	522	7,437	7,211	16,535	15,400	19,945	41,700	33,454	12,450	2,647	1,548	Year Period
Mean Sec.Ft.	24	17	240	233	591	497	665	1,345	1,115	402	85	52	437
Max. Sec.Ft.	311	52	1,470	1,155	2,015	964	1,460	1,770	1,465	708	155	74	2,015
Min. Sec.Ft.	0	0	0	138	165	369	454	680	554	142	45	40	0
Total Ac. Ft.	1,456	1,035	14,751	14,303	32,797	30,546	39,561	82,712	66,356	24,695	5,250	3,071	316,533

Discharge in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	38	93	0	237	257	148	343	525	1,075	526	72	37.5	
2	35	123	0	185	252	157	375	498	1,087	512	68	35.5	
3	33	168	148	169	345	161	427	504	969	528	64	33	
4	36	155	77	154	278	172	892	557	1,115	504	59.5	32	
5	38	147	0	144	289	189	617	617	1,259	491	58	30	
6	43	110	0	136	339	207	560	722	1,328	427	56.5	29	
7	45	64	0	134	317	217	464	843	1,250	392	52	28	
8	47	55	0	152	284	232	452	957	1,137	366	50.5	27	
9	45	49	0	152	252	249	452	1,055	1,222	340	49	28	
10	45	45	0	154	237	254	476	972	1,356	308	50.5	28	
11	43	41	0	171	217	521	538	909	1,355	306	55	33	
12	43	39	0	183	202	539	504	733	1,299	265	51	37	
13	47	37	0	185	197	473	577	624	1,239	248	48	36.5	
14	45	36	0	185	178	419	788	599	1,210	238	46	32	
15	43	37	0	180	174	475	653	599	1,202	235	51	29.5	
16	41	37	0	171	169	386	582	564	1,141	228	76	27.5	
17	38	46	0	163	165	354	743	552	1,143	201	72	25.5	
18	39	52	0	152	157	374	610	704	1,122	183	66	25	
19	44	44	0	146	152	351	617	904	1,054	178	60	25	
20	61	40	0	142	148	314	715	1,203	953	176	56	24.5	
21	74	37	0	138	148	306	712	1,444	879	166	55	23.5	
22	68	40	0	171	207	309	690	1,525	870	159	52	23	
23	62	41	0	174	174	306	690	1,387	844	146	47	22	
24	56	37	0	163	169	295	603	1,421	778	136	44.5	22	
25	84	33	0	765	161	271	648	1,501	697	132	44	20	
26	92	21	0	530	157	252	610	1,405	627	126	42.5	20	
27	104	0	0	640	152	247	624	1,081	522	118	41.5	21	
28	156	0	195	886	152	249	637	1,130	526	108	40.5	21	
29	113	0	403	437	169	295	603	1,421	778	136	44.5	22	
30	95	2	425	339	299	473	529	926	350	94	40.5	23	
31	89	0	320	289	289	358	555	955	834	543	86	40	23.5
Sec.Ft. Days	1,852	1,631	1,568	7,845	5,929	9,336	17,581	28,250	30,352	7,993	1,648	823	Year Period
Mean Sec.Ft.	60	54	50	253	212	301	586	911	1,012	258	53	27	315
Max. Sec.Ft.	156	168	425	886	345	539	892	1,525	1,356	528	76	38	1,525
Min. Sec.Ft.	33	0	0	134	148	148	343	498	522	79	40	20	0
Total Ac. Ft.	3,674	3,235	3,110	15,561	11,760	18,518	34,872	56,034	60,203	15,854	3,269	1,632	227,722

TABLE NO. 4 - Continued

KAWEAH BRANCH OF KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	24	33	0	92	444	360	826	1,271	1,197	378	103	36	
2	22	33	16	89	381	351	859	1,361	1,018	369	92	35	
3	21	52	40	61	321	351	884	1,302	818	372	81	33	
4	20	41.5	39	73.5	299	490	859	1,392	663	392	68	34	
5	19	44	37.5	70	283	770	902	1,190	552	385	65.5	31	
6	18	41.5	33	65.5	272	918	944	1,235	531	382	61	28.5	
7	17	30.5	34	27	272	665	802	1,352	609	334	59.5	26.5	
8	12.5	29.5	34	58	409	996	1,040	1,342	704	310	61	25.5	
9	0	38	34	56.5	333	5,215	960	1,197	715	313	55	25	
10	0	36.5	33	55	294	4,015	834	1,195	674	300	49.5	28.5	
11	21	35.5	34	55.5	311	3,230	778	1,223	696	295	47	28.5	
12	24	34	34	55.5	305	1,990	762	1,148	600	284	45.5	28	
13	35	33.5	33	50.5	305	1,565	738	1,095	511	259	42	27.5	
14	38	32	33	50.5	322	1,770	758	1,013	553	239	40.5	25.5	
15	34	30.5	31	52	339	1,195	762	867	574	245	51	24	
16	33	51.5	28	53.5	357	1,005	786	770	645	216	76	22.5	
17	30	49	28	53.5	345	1,150	867	707	699	198	71	22	
18	29.5	79	28	47	339	3,455	935	681	742	177	65	23	
19	29.5	390	28	40	330	1,905	995	617	721	167	60	24	
20	18	136	28	47.5	345	1,503	952	691	619	162	66	25	
21	15	87	28	1,395	375	1,302	952	794	607	160	63	24	
22	24	72	28	3,675	444	1,332	1,032	944	526	149	56	23	
23	26	75	28	3,665	474	1,159	1,123	1,059	456	141	56	24	
24	24	46	658	1,400	795	1,023	1,283	459	134	54	22	22	
25	26	0	378	775	542	961	1,123	1,432	424	130	53	20	
26	27	0	187	609	444	935	1,040	1,462	409	124	50	19	
27	26	0	148	580	406	927	1,040	1,442	396	120	47	21	
28	32	0	136	444	369	927	1,320	1,401	435	114	45	24	
29	32	0	132	399		970	1,293	1,302	412	116	42	24	
30	32	0	114	655		1,013	1,265	1,169	368	111	39	21.5	
31	32		100	626		859		1,041		105	37		
Sec.Ft. Days	747	1,516	2,572	15,426	10,455	43,932	28,526	35,058	18,306	7,180	1,802	776	Year Period
Mean Sec.Ft.	24	51	83	498	373	1,417	951	1,131	610	232	58	26	456
Max. Sec.Ft.	38	390	658	3,675	795	5,215	1,320	1,462	1,197	391	103	36	5,215
Min. Sec.Ft.	0	0	0	40	272	351	738	617	368	105	37	19	0
Total Ac. Ft.	1,482	3,007	5,102	30,597	20,737	87,139	56,581	69,538	36,310	14,242	3,574	1,539	329,848

Discharge in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	19	Dry	0	41	81	249	300	392	651	334	50.5	0.7	
2	3		0	49	72	176	349	415	297	75.5	1.5	3	
3	18	0	0	79	72	153	381	710	714	272	72.5	1.9	
4	18	0	0	91.5	114	194	318	812	681	260	68	1.4	
5	18	0	0	104	89	810	270	865	762	225	61	0.8	
6	16	0	0	260	81	319	277	915	846	208	58.5	0.5	
7	9.5	0	0	158	115	239	306	734	271	199	55	0.6	
8	4.5	7	7	108	101	218	322	809	862	191	53	2.4	
9	4	7	7	60.5	191	226	280	974	645	174	51	1.4	
10	4	7	7	55	124	246	235	903	549	155	47	2.2	
11	4	7	7	85	112	283	274	860	564	150	43.5	1.7	
12	4	7	7	49.5	103	308	284	853	271	143	42	0	
13	4	7	7	47.5	91	285	240	914	599	135	38	0	
14	4	7	7	47.5	82	241	212	979	539	127	36.5	0.5	
15	4	7	7	47.5	79	189	211	929	446	121	34	0	
16	3.5	7	7	48	72	185	219	749	371	112	33.5	0.5	
17	3.5	7	7	44.5	70	117	198	701	311	103	35	0	
18	0	7	7	45	64	216	192	519	305	94	29	2.5	
19	13	7	7	49.5	67	248	184	475	328	89	24	3	
20	14.5	31	48	67.5	239	265	556	349	82		27.5	4	
21	11	151	48.5	76	204	212	606	331	73.5	25	5.2		
22	10.5	84	46	46	196	198	496	291	68.5	15	21.5	2.7	
23	9	62.5	51	336	214	244	855	274	65.5	19.5	0		
24	3.5	55	167	169	239	264	819	285	61	18.5	0		
25	0	52.5	98	141	267	238	853	282	55	19.5	0		
26	0	53.5	79	201	252	234	803	259	55	19	0		
27	0	42.5	69	162	252	242	751	259	52	18	0		
28	0	43.5	83	132	230	290	809	364	49	16	0		
29	0	42.5	59.5	143	231	257	897	376	46.5	14	0		
30	0	42	75	248	248	316	736	357	45	6.5	0		
31	0	48	107	209	209		772		42	0.7			
Sec.Ft. Days	221	0	792	2,324	3,093	7,813	7,839	23,662	14,760	4,084	1,111	41	Year Period
Mean Sec.Ft.	7	0	25	75	127	252	261	763	492	132	36	1	181
Max. Sec.Ft.	19	0	151	200	486	810	381	979	862	334	76	6	979
Min. Sec.Ft.	0	0	0	41	64	153	184	392	259	42	1	0	0
Total Ac. Ft.	438	0	1,571	4,610	7,325	15,497	15,549	40,933	29,276	8,101	2,204	81	131,585

TABLE NO. 4 - Continued

KAWEAH BRANCH OF KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	41.5	103	75	2,390	201	676	1,338	623	704	86	35	
2		71	125	75.5	5,510	192	563	1,358	780	664	91	35.5	
3		46.4	79	72	2,280	189	507	1,388	900	608	126	100	
4		50.5	62.5	70	1,080	245	457	1,376	1,185	542	100	90	
5		130	62.5	68.5	730	231	425	1,205	1,073	516	90	69	
6		101	62.5	70	559	197	425	1,237	793	456	92	57	
7		85	65.5	72	450	182	447	1,249	707	423	98	50	
8		95	65.5	72	393	192	497	1,156	703	377	80	45	
9		76	61.5	114.5	357	197	571	1,074	718	363	68	42.5	
10		85	59.5	145	328	211	444	1,250	866	340	59.5	38	
11		497	52.5	139	305	221	415	1,222	1,032	320	55.5	36	
12		638	53.5	129	299	226	393	1,283	1,204	331	50.5	35	
13		337	50.5	125	288	236	366	1,264	1,335	324	48	33.5	
14		210	49	127	305	251	342	1,021	1,354	315	44	30	
15		155	45.5	132	365	1,201	336	893	1,262	286	50	28.5	
16		143	47	143	294	670	381	1,034	1,171	257	71.5	27.5	
17		143	46.5	125	264	677	510	1,204	1,127	229	66.5	19	
18		134	45	122	274	560	695	1,070	1,132	208	66.5	22	
19		125	48	115	272	457	842	854	1,125	208	71.5	19	
20		115	77	108	246	450	1,023	741	1,045	190	69	18	
21		110	96	108	241	470	1,131	677	1,031	171	66	18.5	
22		108	204	104	233	502	1,085	650	893	169	61	26.5	
23		113	166	104	231	1,113	1,000	727	762	162	57	30.5	
24		120	125	104	226	732	1,029	751	677	148	53	28	
25		118	103	106	216	650	1,053	784	610	140	52	24	
26		111	89	105	200	1,645	982	748	634	126	48	22	
27		108	80	104	203	898	961	724	684	119	46	20	
28		108	77	102	206	711	1,039	730	730	115	43.5	19.5	
29		105	96	99	96	624	1,159	677	760	111	41	20	
30		108	82.5	98	96	573	1,308	654	741	100	36.5	19	
31			75	98	96	002		571		90	35		
Sec.Ft. Days	0	4,387	2,455	3,229	18,749	15,504	21,142	30,972	27,655	9,112	2,023	1,059	Year Period
Mean Sec.Ft.	0	146	79	104	670	500	705	999	922	294	65	35	373
Max. Sec.Ft.	0	638	204	145	5,510	1,645	1,308	1,388	1,354	704	126	100	5,510
Min. Sec.Ft.	0	42	45	69	203	182	336	571	610	90	35	18	0
Total Ac. Ft.	0	8,701	4,869	6,405	37,189	30,752	41,935	61,433	54,854	18,074	4,013	2,100	270,325

Discharge in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	20	200	73	201	96	147	422	939	489	120	43		Dry
2	18	136	66	182	96	151	346	926	523	111	37.5		
3	15.5	109	63	236	111	151	305	834	551	107	37		
4	14.5	98	85	199	114	139	314	883	519	105	33.5		
5	12	87	85	322	107	139	333	927	496	92	29.5		
6	7	75	246	114	130	332	1,002	433	85	23			
7	181	101	75	201	112	139	309	1,030	407	79	20		
8	228	82	72	178	107	164	296	986	378	72	20		
9	134	77	66	155	103	187	272	912	367	68.5	22		
10	98	82	03	151	100	192	264	757	327	62.5	24		
11	84	105	59	143	103	187	317	639	272	56.5	25		
12	99	103	63	130	90	155	396	623	292	56.5	23		
13	92	101	59	130	100	266	464	615	305	56.5	22		
14	77	100	55	130	94	226	385	601	282	59.5	21		
15	98	90	58	126	96	218	422	687	263	50.5	19		
16	147	98	59	122	134	225	532	576	248	48	17		
17	138	85	59	122	122	231	651	541	227	43	16.5		
18	115	77	57	120	118	221	731	555	211	57	16.5		
19	101	70	55	116	114	236	761	633	209	73	9.5		
20	90	67	57	114	111	246	741	718	204	80.5	5		
21	81	65	150	111	114	236	728	677	201	113	2.5		
22	70	63	945	107	114	221	737	587	196	95	4.5		
23	62	61	691	105	122	236	789	481	187	80.5	3.5		
24	59	58	369	111	139	231	854	438	163	71.5	3.5		
25	54	72	868	116	145	222	936	462	153	80.5	2		
26	51	69	483	114	134	241	1,029	436	151	106	2		
27	49	63	299	112	130	272	962	497	147	90	2		
28	48	61	262	111	143	261	988	448	141	65.5	2		
29	325	63	241	107	94	231	984	412	134	61.5	0		
30	865	101	226	96	94	843	930	437	130	53	0.5		
31	454		215	94	543			475		48	0.5		
Sec.Ft. Days	3,885	2,029	6,025	4,508	3,181	7,350	17,587	20,736	8,602	2,339	487	0	Year Period
Mean Sec.Ft.	125	88	194	140	114	237	586	609	267	76	16	0	212
Max. Sec.Ft.	863	200	945	322	143	843	1,029	1,030	551	120	43	0	1,030
Min. Sec.Ft.	7	58	55	94	90	130	272	412	130	43	0	0	0
Total Ac. Ft.	7,700	5,215	11,950	8,942	6,309	14,579	34,884	41,130	17,062	4,639	966	0	153,382

TABLE NO. 4 - Continued

KAWEAH BRANCH OF KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	155	173	100	145	201	521	270	53	2	Dry	
2		0	147	155	100	242	190	812	305	48	2		
3		0	139	139	100	221	209	903	247	45	2.5		
4		0	130	132	96	200	199	836	229	44	2.5		
5		0	209	132	96	173	187	877	210	40	1		
6		0	580	130	96	153	176	915	198	36	1		
7		0	488	124	98	151	170	834	251	51	0.5		
8		0	299	118	103	149	172	753	210	61.5	0		
9		0	241	116	109	147	170	536	219	57	0		
10		0	211	116	180	1-	167	436	230	53	0		
11		0	197	118	151	153	183	358	224	50	0.5		
12		0	182	116	134	1-9	219	337	182	50	1		
13		0	173	114	182	151	173	421	180	48	0.5		
14		0	16-	103	164	155	332	382	189	45	0		
15		0	157	101	153	158	392	343	194	42.5	0		
16		0	151	96	153	169	446	475	182	40	0		
17		0	135	96	251	166	502	502	160	39	0		
18		0	130	96	201	173	492	542	158	35.5	0		
19		0	122	94	171	178	545	605	166	32	0		
20		415	120	94	169	178	595	505	171	29.5	0		
21		107	114	92	160	173	499	558	136	27.5	0		
22		114	114	92	153	178	407	593	111	24	0		
23		2,030	111	90	149	225	329	645	96	20	0		
24		928	122	90	151	200	297	568	89	20	0		
25		412	221	90	155	178	269	526	82	19	0		
26		292	251	92	155	171	243	485	79	16.5	0		
27		246	728	94	155	187	253	439	76	16.5	0		
28		211	391	103	153	192	282	394	70	14.5	0		
29		187	246	96	155	207	258	356	65.5	8	0		
30		169	197	100	155	192	310	348	59.5	1	0		
31			176	98	155	190		296		1	0		
Sec.Ft. Days	0	5,111	6,807	3,400	4,038	5,461	8,967	17,232	5,039	1,066	14	0	Year Period
Mean Sec.Ft.	0	170	220	110	144	176	299	556	168	34	0	0	156
Max. Sec.Ft.	0	2,030	728	173	251	242	595	915	305	62	3	0	2,030
Min. Sec.Ft.	0	0	111	90	96	145	167	296	60	1	0	0	0
Total Ac. Ft.	0	10,137	13,502	6,744	8,009	10,832	17,786	34,180	9,995	2,114	28	0	113,327

Discharge in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	22	37.5	35.5	24	34	118	254	553	197	33	Dry	
2	0	60	39	37.5	24	31.5	147	232	587	164	30.5		
3	0	70	36.5	35	23	31.5	233	239	466	147	27.5		
4	0	50.5	30.5	39	20	31.5	250	390	631	132	24.5		
5	0	42.5	40	42.5	34	26.5	155	606	469	114	23		
6	0	39	40	37.5	30.5	25.5	143	879	464	100	23		
7	0	35.5	39	35.5	37.5	25.5	139	1,048	552	90	24		
8	0	30.5	39	36.5	33	25.5	118	832	774	89	21		
9	0	28.5	42.5	34	35.5	27.5	126	548	803	85	16.5		
10	0	28.5	37.5	42.5	33	36	1,793	441	574	83.5	10.5		
11	19.5	34	30.5	37.5	56	26.5	906	479	609	83.5	9.5		
12	17.5	33	37.5	33	42.5	26.5	490	600	621	79	9.5		
13	0	29.5	37.5	30.5	40	25.5	340	812	609	75	9.5		
14	0	28.5	37.5	27.5	41.5	49	267	981	568	68.5	8		
15	0	30.5	37.5	25	44	70	256	1,108	514	65.5	6.5		
16	0	35.5	36.5	25	48	59.5	288	1,200	498	59.5	5		
17	0	35.5	36.5	24	58.5	112	357	1,150	462	56.5	4		
18	0	33	48	23	51	81	418	1,032	436	52.5	4		
19	0	33	44	24	35	68.5	389	679	380	47	2		
20	0	35.5	45	25	34	73.5	409	521	362	44	2.5		
21	0	32	53	24	32.5	58	440	426	357	49.5	2		
22	0	32	48	26.5	35	61	393	431	350	73	2		
23	0	30.5	42.5	26.5	43.5	82	333	630	340	68.5	2		
24	0	30.5	40	26.5	36	135	261	875	311	63	2		
25	0	33	40	27.5	31.5	191	261	932	296	58.5	3		
26	4	34	40	27.5	30	116	329	1,044	291	53	3		
27	5	35.5	41.5	28.5	29	111	415	1,060	270	46.5	2.5		
28	4.5	35.5	40	22	34	118	445	910	237	41.5	1.5		
29	5	35.5	38.5	18	36	120	415	746	224	36.5	1		
30	12	30.5	37.5	17	37.5	156	313	617	225	35	0.5		
31	19		28.5	23	23	111		59-		34	0		
Sec.Ft. Days	80	1,070	1,234	921	1,078	2,120	10,947	22,296	13,833	2,392	314	0	Year Period
Mean Sec.Ft.	3	30	40	30	37	68	305	719	461	77	10	0	154
Max. Sec.Ft.	20	70	53	43	59	191	1,793	1,200	803	197	33	0	1,793
Min. Sec.Ft.	0	22	29	17	20	26	118	232	224	34	0	0	0
Total Ac. Ft.	171	2,422	2,448	1,627	2,138	4,205	21,713	44,224	27,438	4,744	623	0	111,653

TABLE NO. 4 - Continued

KAWEAH BRANCH OF KAWEAH RIVER AT MC KAY POINT

Discharge in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	1.5	41.5	23.5	55	98	569	341	56.5	6.5	Dry	
2		0	12.5	42.5	21.5	55	94	692	361	47	2		
3		0	14.5	40	23.5	68.5	92	663	384	47	1.5		
4		0.5	24	33	23.5	122	112	448	347	45	1		
5		11	28.5	23	24.5	143	160	461	327	42.5	0.5		
6		9.5	27.5	34	25.5	85	185	570	331	41.5	0		
7		5	28.5	19	35	77	164	584	364	56.5	0		
8		5	28.5	37.5	40	83	164	565	393	64	0		
9		5	30.5	36.5	29	70	155	517	369	56	0		
10		5	30.5	33	29	65.5	232	415	338	50.5	0		
11		6.5	29.5	29.5	35	192	314	412	306	50	0		
12		6.5	28.5	33	41.5	143	368	525	306	44	0		
13		5	28.5	35.5	32.5	102	417	573	263	39	0		
14		5	33	37.5	39	85	469	728	252	37.5	0		
15		5	42.5	35.5	41.5	89	492	522	231	35.5	0		
16		9	37.5	33	44	91	418	461	211	33	0		
17		9.5	40	28.5	45	96	492	519	180	29.5	0		
18		11	44	33	51	103	432	580	153	26.5	0		
19		5.5	36.5	39	62.5	122	401	529	132	27.5	0		
20		0	35.5	109	68.5	152	375	447	111	25	0		
21		0	30.5	48	65.5	111	524	453	103	21	0		
22		0	30.5	35	59.5	111	704	520	98	18	0		
23		0.5	34	40	68.5	169	737	632	96	14.5	0		
24		1	30.5	29	70	149	719	720	92	12	0		
25		1	28.5	24.5	80	118	737	755	87	7	0		
26		2	33	22.5	73.5	105	622	807	82	3	0		
27		1	52	22.5	75	103	568	820	79	3	0		
28		0	52	21.5	59.5	122	678	705	70	1.5	0		
29		0	42.5	22.5		111	679	537	65.5	0.5	0		
30		0	39	23.5		96	576	430	62.5	1.5	0		
31			39	23.5		100		384		6.5	0		
Sec.Ft. Days	0	110	1,005	1,086	1,287	3,294	12,178	17,547	6,535	943	11	0	Year Period
Mean	0	4	32	35	46	106	406	566	218	30	0	0	121
Max.	0	11	52	109	80	192	737	820	393	64	7	0	820
Min.	0	0	2	21	22	55	92	384	62	1	0	0	0
Total Ac. Ft.	0	218	1,993	2,154	2,553	6,534	24,155	34,805	12,962	1,870	22	0	87,266

TABLE NO. 5

FOOTHILL DITCH NEAR HEAD

Point of diversion - Above McKay Point on south bank of Keweah River in the southeast quarter of Section 26, Township 17 South, Range 27 East, M.D.B. & M.

Maximum diversion capacity - 20 second-feet.

Location of gaging station - One-half mile below head of ditch in northwest quarter of Section 35, Township 17 South, Range 27 East, M.D.B. & M. Map designation ⑤.

Description of gaging station - Weir installed July 29, 1917; replaced by Parshall Flume April 1, 1936. Water stage recorder in continuous operation since 1936.

Operating agency - Foothill Ditch Company.

Gross service area - 2,000 acres.

Period of record - 1917-49; no records during 1919; intermittent during 1917, 1918, 1920, 1924, 1925 and 1926; continuous from March 23, 1921 to February 9, 1924 and from May 8, 1926 to September 30, 1949.

Criteria governing diversions - 9 second-feet at all river stages less than those required for the diversion of 300 second-feet to Consolidated Peoples Ditch (approximately 1,250 second-feet total flow at McKay Point); at higher stages, total diversions into Foothill Ditch are increased to from 12 to 20 second-feet.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	7.6	6.8	4.9	6.0	Dry	0	Dry	2.3	12.1	9.1	9.3	8.8	
2	7.7	6.8	4.8	3.9		0		2.4	11.4	9.2	9.3	8.8	
3	8.1	6.8	4.8	1.6		0		2.4	10.9	9.5	9.3	8.7	
4	8.1	6.7	4.7	1.6		0		2.4	11.0	9.3	9.3	8.9	
5	7.9	6.7	5.1	1.4		0		2.4	10.7	9.2	9.4	8.9	
6	7.9	6.7	6.0	1.3		0		2.5	10.7	9.4	9.3	9.3	
7	7.9	6.6	6.0	1.3		0		4.5	10.8	9.1	9.1	9.5	
8	7.9	6.6	6.1	1.3		0		5.0	11.0	9.7	9.1	9.4	
9	7.9	6.6	6.0	1.5		0		7.2	11.2	9.6	9.5	9.3	
10	7.8	6.6	6.1	2.4		0		7.3	11.0	9.5	9.6	9.2	
11	7.8	6.6	6.0	10.2		0		7.7	11.0	9.9	9.7	9.1	
12	7.7	6.6	6.1	0.6		0		7.6	11.2	9.8	9.5	8.9	
13	7.7	6.6	6.0	0		0		9.5	11.6	9.6	9.5	9.1	
14	7.6	6.5	6.1	0		0		10.0	12.2	9.5	9.4	9.1	
15	7.5	6.5	6.0	0		0		10.5	11.8	9.5	9.4	9.5	
16	7.4	6.5	6.0	0		0		10.6	12.2	9.6	9.4	9.6	
17	7.4	6.5	6.0	0		0		11.5	12.5	9.5	9.4	9.6	
18	7.4	6.5	6.0	0		0		11.4	10.4	9.5	9.8	9.6	
19	7.3	6.5	6.0	0		0		12.8	9.5	9.6	9.5	9.5	
20	7.3	6.5	6.0	0		0		1.4	9.3	9.4	9.4	8.8	
21	7.3	6.5	6.0	0		0		14.9	9.7	9.2	9.3	8.5	
22	7.2	6.4	5.9	0		0		14.8	9.6	9.2	9.7	8.4	
23	7.2	6.4	5.9	0		0		14.9	9.3	9.4	9.3	8.2	
24	7.1	6.4	5.9	0		0		13.6	9.1	9.2	9.2	7.9	
25	7.1	6.4	5.9	0		0		12.2	9.2	9.2	9.3	8.5	
26	7.1	6.4	5.9	0		0		11.3	9.1	9.4	9.4	9.2	
27	7.1	3.4	5.9	0		7.2		11.0	9.1	8.9	9.2	9.2	
28	7.0	2.3	6.0	0		0		10.9	9.1	9.2	9.3	9.2	
29	7.0	5.2	6.0	0		0		10.5	9.5	9.3	9.3	9.5	
30	7.0	5.0	6.0	0		0		11.3	9.7	9.3	9.4	9.5	
31	6.8	6.8	6.0	0		1.9		11.9	9.2	9.3	9.2	9.2	
Sec. Ft. Days	231.8	186.6	180.1	33.1	0	9.1	0	281.7	315.9	291.1	290.8	271.7	Year Period
Mean Sec. Ft.	7.5	6.2	5.8	1.1	0	0.3	0	9.1	10.5	9.4	9.4	9.1	5.7
Max. Sec. Ft.	8.1	6.8	6.1	10.2	0	7.2	0	14.9	12.5	9.9	9.8	9.6	14.9
Min. Sec. Ft.	6.8	2.3	4.7	0	0	0	0	2.3	9.1	8.9	9.1	7.9	0
Total Ac. Ft.	459.8	370.1	357.2	65.7	0	18.0	0	558.8	626.6	577.4	576.8	538.9	4,149.3

TABLE NO. 5 - Continued

FOOTHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	9.4	3.7	2.0	Dry	Dry	Dry	Dry	2.0	14.8	12.3	9.3	9.2	
2	9.3	3.7	2.0					2.0	15.3	12.5	9.2	9.0	
3	9.2	3.7	1.9					2.0	16.2	12.5	9.1	9.0	
4	9.5	3.8	1.9					2.0	16.2	12.3	9.1	9.7	
5	9.0	3.6	1.9					2.0	16.6	12.4	9.5	9.8	
6	9.5	3.5	1.8					2.2	17.3	12.3	9.3	9.7	
7	9.4	3.5	1.7					2.8	17.1	11.8	9.4	9.7	
8	9.0	3.3	1.5					3.7	15.5	11.7	9.5	9.7	
9	8.8	3.3	1.4					5.5	11.2	11.4	9.4	9.5	
10	8.7	3.0	1.4					9.2	14.9	10.5	9.3	9.1	
11	8.4	2.9	1.4					15.4	13.1	9.6	9.3	9.1	
12	8.2	2.9	1.4					13.0	12.5	9.2	9.2	9.0	
13	8.0	2.6	1.4					10.0	17.1	9.1	9.5	9.0	
14	7.9	2.7	1.4					10.0	16.8	8.9	9.4	8.9	
15	7.9	2.6	1.4					9.3	16.5	9.0	9.3	9.2	
16	7.7	2.6	1.4					9.6	16.5	9.2	10.3	8.8	
17	7.7	2.6	1.4					10.2	16.2	9.0	10.7	9.0	
18	7.7	2.5	1.4					9.5	15.5	9.1	9.1	8.7	
19	7.5	2.5	1.4					8.6	15.6	9.1	9.1	8.7	
20	7.7	2.5	1.3					10.3	15.3	9.0	9.0	8.7	
21	7.0	2.3	1.3					13.4	14.8	9.2	9.0	8.8	
22	7.0	2.3	1.2					16.6	14.6	9.5	9.0	8.8	
23	7.2	2.2	1.2					17.7	14.6	9.7	8.9	9.1	
24	7.3	2.1	1.2					17.4	14.3	9.5	8.9	9.3	
25	5.9	2.1	1.2					17.4	13.6	9.4	9.0	9.5	
26	5.8	2.0	0					17.6	13.3	9.3	9.0	9.4	
27	4.3	2.0	11.8					17.1	12.0	9.2	9.0	9.4	
28	4.0	2.0	0					16.9	11.7	9.1	9.0	9.4	
29	3.8	2.0	0					15.6	11.9	9.0	9.2	9.3	
30	3.8	2.0	0					15.1	12.4	9.3	9.3	9.2	
31	3.7	2.0	0					15.0		9.3	9.2		
Sec.Ft. Days	232.4	82.4	49.3	0	0	0	0	319.3	447.3	313.7	287.8	275.8	Year Period
Mean Sec.Ft.	7.5	3.7	1.6	0	0	0	0	10.3	14.9	10.1	9.3	9.2	5.5
Max. Sec.Ft.	9.6	3.7	11.8	0	0	0	0	17.8	17.3	12.5	10.7	9.8	17.8
Min. Sec.Ft.	3.7	2.0	0	0	0	0	0	2.0	11.7	8.9	8.9	8.7	0
Total Ac. Ft.	461.0	163.4	97.8	0	0	0	0	633.3	887.2	622.2	570.9	547.1	3,982.9

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	9.2	4.4	4.1	2.3	Dry	0	4.5	7.6	15.2	9.6	9.1	9.4	
2	9.1	4.3	4.0	2.3		0	7.4	7.7	15.2	9.5	9.1	9.4	
3	9.1	4.3	3.9	2.3		0	7.4	7.8	14.8	9.0	9.2	9.4	
4	9.1	4.4	2.3	2.3		0	8.5	7.8	15.1	9.5	9.2	9.5	
5	8.8	4.7	2.3	2.3		0	7.6	7.9	15.9	9.5	9.2	9.5	
6	8.6	4.7	2.3	2.3		0	7.7	8.2	16.4	9.3	9.4	9.5	
7	8.7	4.7	2.3	2.3		1.7	7.5	8.3	16.1	9.2	9.3	9.4	
8	8.7	4.2	2.3	2.3		1.8	7.4	8.0	15.5	9.1	9.5	8.5	
9	8.7	4.2	2.3	2.3		1.9	7.4	8.8	15.8	9.1	9.3	8.7	
10	8.6	4.1	2.3	2.3		1.9	7.4	8.6	16.6	9.0	9.3	9.7	
11	8.6	4.1	2.3	2.3		2.9	7.6	8.5	16.9	9.2	9.3	9.8	
12	8.6	4.0	2.3	2.3		3.0	7.6	8.2	16.3	9.1	9.3	9.4	
13	8.6	3.9	2.3	2.3		0.7	7.5	8.2	16.1	9.4	9.2	9.3	
14	8.6	3.9	2.3	2.3		0	8.1	8.7	15.9	9.4	9.1	9.1	
15	8.4	3.9	2.3	2.3		0	8.0	9.7	15.9	9.3	9.1	9.2	
16	8.1	3.9	2.3	2.3		0	7.9	10.7	15.7	9.3	9.1	9.5	
17	8.0	3.9	2.3	2.3		0	8.1	11.6	15.6	9.1	9.0	9.5	
18	8.0	3.9	2.3	2.3		0	7.9	12.9	15.3	9.1	9.0	9.5	
19	7.9	3.8	2.3	2.3		0	7.9	13.7	15.5	9.4	9.3	9.5	
20	7.5	3.8	2.3	2.3		0	8.1	14.9	15.4	9.3	9.5	9.4	
21	7.7	3.8	2.3	2.3		0	8.2	16.1	15.0	9.3	9.4	9.4	
22	7.3	3.8	2.3	2.3		0	8.1	16.8	14.9	9.3	9.0	9.4	
23	7.1	3.7	2.3	2.3		0	8.1	15.1	14.8	9.7	9.7	9.3	
24	7.1	3.7	2.3	2.3		0	8.0	16.4	14.6	9.2	9.8	9.4	
25	7.2	3.7	2.3	2.3		0	8.0	16.6	14.4	9.2	10.0	9.4	
26	7.2	3.7	2.3	2.3		0	8.0	16.2	14.2	9.2	9.0	9.3	
27	4.9	3.7	2.3	2.3		0	7.9	15.1	12.3	9.7	9.4	9.5	
28	4.7	3.7	2.3	2.3		0	7.9	15.4	9.5	10.0	9.3	9.4	
29	4.5	3.6	2.3	2.3		0	7.8	14.8	9.4	10.0	9.4	9.1	
30	4.4	4.3	2.3	2.3		0	7.6	14.4	9.1	9.7	9.4	8.6	
31	4.4		2.3	2.3		0		14.0		9.3	9.0		
Sec.Ft. Days	237.4	120.0	77.4	71.3	0	13.9	231.7	360.7	443.0	291.0	289.3	260.0	Year Period
Mean Sec.Ft.	7.7	4.2	2.5	2.3	0	0.4	7.7	11.6	14.8	9.4	9.3	9.3	6.6
Max. Sec.Ft.	9.2	8.4	4.9	2.3	0	3.0	8.5	10.8	16.9	10.4	10.0	9.8	16.9
Min. Sec.Ft.	4.4	3.6	2.3	2.3	0	0	4.6	7.6	9.1	9.0	9.0	8.6	0
Total Ac. Ft.	470.9	249.9	153.5	141.4	0	27.6	459.0	715.4	879.9	577.2	573.8	555.4	4,804.6

TABLE NO. 5 - Continued

FOOTHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	9.1	3.5	4.9	2.4	Dry	Dry	Dry	4.0	12.2	9.2	9.2	9.2	
2	9.5	3.1	4.9	1.9				4.0	11.0	8.9	9.1	9.3	
3	9.8	3.1	4.8	1.9				4.1	10.8	8.9	9.1	9.3	
4	9.7	3.2	4.8	1.8				5.4	10.0	8.9	9.1	9.2	
5	9.2	3.2	4.5	1.8				6.8	9.7	8.9	9.1	9.1	
6	8.4	3.2	4.5	1.7				8.3	10.0	9.1	9.4	9.2	
7	7.0	3.2	4.7	2.0				8.5	9.7	9.1	9.1	9.2	
8	7.1	3.2	4.8	2.0				8.1	9.8	9.4	9.2	9.0	
9	0.9	3.1	4.6	2.0				9.0	9.4	9.1	9.2	9.1	
10	6.0	3.1	4.9	3.3				10.9	8.9	9.0	9.1	9.2	
11	4.0	3.1	2.8	4.0				11.1	9.7	9.4	9.1	9.1	
12	4.0	3.1	1.4	4.1				10.4	9.5	9.3	9.1	8.5	
13	4.3	3.1	1.4	4.0				10.7	9.2	9.1	9.3	8.3	
14	3.9	3.1	1.4	4.3				11.6	9.4	9.2	9.4	8.3	
15	3.4	3.2	1.9	4.4				11.3	9.5	9.3	9.3	8.7	
16	3.4	3.3	3.3	4.5				12.0	10.1	9.3	9.2	9.1	
17	4.0	3.3	3.3	4.5				11.7	10.9	9.3	9.2	9.2	
18	4.5	2.7	3.3	4.4				12.6	11.9	9.2	9.2	9.2	
19	3.9	2.9	3.3	4.3				14.4	12.6	9.4	9.1	9.1	
20	5.8	2.9	3.3	3.1				15.3	11.9	9.5	6.2	8.0	
21	7.2	2.4	3.3	Flood				14.6	10.4	9.4	5.9	8.9	
22	7.2	2.4	3.4	filled				14.1	10.1	9.2	9.0	9.1	
23	7.1	2.3	2.7	ditch				12.7	9.4	9.2	9.0	8.3	
24	7.2	2.3	1.9	with				13.0	9.6	9.2	9.0	8.9	
25	6.3	4.0	1.6	sand				13.8	9.3	9.3	9.2	9.7	
26	5.0	5.0	1.8					13.4	9.4	9.3	9.1	9.6	
27	4.5	2.5	2.1					13.6	9.1	9.3	9.0	9.6	
28	4.6	3.7	2.0					12.0	9.3	9.3	9.0	9.3	
29	4.7	4.9	2.0					11.7	9.4	9.3	9.3	8.5	
30	4.7	4.9	2.0					12.2	9.4	9.2	9.2	7.9	
31	4.0		1.9					11.8		9.2	9.2		
Sec. Ft. Days	188.2	96.9	98.3	09.2	0	0	0	333.0	301.6	285.7	277.9	266.7	Year Period
Mean Sec. Ft.	6.1	3.2	3.2	2.2	0	0	0	10.7	10.1	9.2	9.0	8.9	5.3
Max. Sec. Ft.	9.8	5.0	4.9	4.5	0	0	0	15.3	12.6	9.5	9.4	9.7	15.3
Min. Sec. Ft.	3.4	2.3	1.4	0	0	0	0	4.0	8.9	8.9	5.9	6.3	0
Total Ac. Ft.	373.3	192.2	195.0	137.3	0	0	0	660.5	598.2	566.7	551.2	529.0	3,803.4

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	8.0	4.0	3.7	0	2.2	Dry	0	6.8	9.4	8.9	8.6	9.1	
2	7.4	3.9	3.1	0	2.3		0.8	5.8	10.0	9.1	9.0	9.1	
3	7.1	1.6	3.1	0	1.2		3.6	3.2	9.6	9.2	9.0	9.3	
4	7.6	0	3.1	0	0.4		4.1	8.4	9.4	9.2	9.1	9.1	
5	7.2	1.9	3.1	0	0.1		4.9	8.5	9.9	9.1	9.3	8.8	
6	6.6	6.0	3.1	0	0.1		5.1	8.0	10.2	9.2	9.1	8.8	
7	6.1	5.9	3.1	0	0.4		5.2	7.2	10.0	9.3	9.1	9.1	
8	0.1	5.7	3.1	0	0.4		3.5	6.6	10.3	9.3	9.0	9.0	
9	6.6	5.7	3.1	0	3.5		1.1	8.5	9.5	9.1	9.0	8.7	
10	7.4	5.6	3.1	0	1.4		3.8	8.1	9.3	9.1	9.0	7.9	
11	7.0	5.6	1.5	0	3.5		4.3	8.6	9.4	9.3	8.7	8.2	
12	7.4	5.5	1.8	0	3.3		4.4	8.7	9.4	9.3	8.5	8.3	
13	6.9	5.5	3.1	0	3.0		4.3	8.8	9.6	9.2	9.0	9.0	
14	6.2	5.0	3.1	0	2.8		4.8	8.9	9.3	9.2	8.8	9.1	
15	5.5	4.7	3.2	0	2.8		4.3	8.6	9.1	9.1	9.2	9.2	
16	5.0	4.4	3.1	0	2.8		0.6	8.0	9.3	9.0	9.1	9.5	
17	5.2	3.8	3.1	0	2.7		7.2	7.2	9.3	9.3	8.8	9.3	
18	5.6	3.3	3.1	0	2.5		7.7	7.7	9.3	9.2	9.1	9.2	
19	4.9	3.2	0	2.1	1.5		8.3	9.2	9.2	9.1	9.2	9.2	
20	4.1	3.4	0	2.4	0		8.0	9.9	9.3	9.2	9.2	9.4	
21	4.0	3.6	0	2.4	0		7.7	9.6	9.1	9.2	9.0	9.4	
22	4.0	3.4	0	2.4	0		7.7	9.6	8.9	9.1	9.1	9.4	
23	4.0	3.3	0	2.3	0		8.1	9.7	9.0	9.1	9.1	9.3	
24	4.0	3.3	0	2.2	0		8.2	9.2	9.1	9.0	9.3	9.1	
25	4.1	3.3	0	2.2	0		8.1	9.4	9.1	9.0	9.4	8.7	
26	4.0	3.3	0	0	0		8.2	9.1	9.0	9.0	9.0	8.4	
27	4.0	3.6	0	0	0		8.0	8.9	9.3	9.1	8.7	8.1	
28	4.0	4.3	0	0	0		6.8	9.6	9.4	9.3	8.8	7.9	
29	4.0	4.4	0	0	0		6.5	10.0	9.3	9.0	8.7	8.5	
30	4.0	4.4	0	0	0		0.9	9.1	9.1	9.0	9.3	9.1	
31	4.0		0	0	0			9.6		8.1	9.2		
Sec. Ft. Days	172.0	121.6	53.6	16.3	34.4	0	169.0	265.8	282.1	278.4	276.8	268.4	Year Period
Mean Sec. Ft.	5.5	4.1	1.7	0.5	1.2	0	5.6	8.6	9.4	9.0	8.9	8.9	5.3
Max. Sec. Ft.	8.0	6.0	3.7	2.4	3.5	0	8.6	10.0	10.3	9.3	9.4	9.5	10.3
Min. Sec. Ft.	4.0	0	0	0	0	0	0	5.8	8.9	5.8	6.5	7.9	0
Total Ac. Ft.	341.2	241.2	106.3	32.3	68.2	0	335.2	527.2	559.6	552.2	549.0	532.4	3,844.8

TABLE NO. 5 - Continued

FOOTHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	9.6	6.1	1.3	3.2	Dry	Dry	0	6.6	10.4	11.1	9.3	9.1	
2	9.2	5.5	1.5	3.7	Flood		0	7.6	10.2	10.9	9.3	9.1	
3	8.1	5.2	1.5	2.6	filled		0	9.7	10.3	10.3	9.4	9.6	
4	8.5	4.3	1.3	2.5	ditch		0	13.0	10.5	9.4	9.1	9.3	
5	9.2	2.8	3.9	2.5	with		0	11.4	11.2	9.4	9.2	9.3	
					send								
6	9.1	2.6	5.6	2.5	Feb. 1		0	12.3	10.8	9.4	9.2	9.4	
7	9.0	4.2	5.7	2.6			0	12.5	10.6	9.3	9.2	9.3	
8	9.1	5.2	5.7	2.5			0	12.5	10.5	9.2	9.2	9.2	
9	9.3	3.9	5.7	2.5			0	13.0	10.5	9.4	9.1	9.3	
10	7.5	2.0	5.6	2.6			0	12.9	10.7	9.2	9.1	9.4	
11	7.2	1.3	5.6	2.6			0	12.5	11.5	9.1	9.1	9.3	
12	7.7	1.3	5.5	2.5			0	12.5	11.5	9.2	9.2	9.2	
13	8.2	1.3	5.5	3.1			1.0	12.3	11.4	9.3	9.0	8.9	
14	8.1	3.4	5.4	3.7			2.7	12.0	11.3	9.2	9.1	8.9	
15	7.6	6.2	5.4	3.7			2.4	11.7	11.7	9.3	9.2	9.1	
16	7.6	6.2	5.4	3.8			1.0	12.0	11.4	9.3	9.1	9.1	
17	7.4	6.2	5.4	3.8			2.9	12.4	11.2	9.2	9.2	8.8	
18	7.3	6.2	5.4	3.8			3.4	12.1	11.1	9.3	9.2	9.4	
19	7.7	6.2	4.0	3.7			3.1	11.6	11.1	9.3	9.3	9.1	
20	6.9	6.2	0	3.5			3.6	11.5	11.1	9.3	9.2	9.1	
21	7.1	6.2	0	3.6			3.8	12.1	11.0	9.3	9.3	9.1	
22	7.0	5.8	0	3.6			3.8	12.3	10.9	9.2	9.3	9.2	
23	6.3	5.8	0	3.6			4.6	12.0	11.2	9.1	9.2	9.4	
24	5.7	5.8	1.8	3.6			5.8	11.3	11.3	9.2	9.2	9.3	
25	5.7	5.8	3.9	3.6			6.6	11.2	11.4	9.4	9.2	9.2	
26	5.7	2.9	3.8	3.6			6.7	11.1	11.4	9.3	9.4	9.1	
27	5.9	2.6	3.8	3.6			6.7	11.0	11.3	9.3	9.3	9.1	
28	5.7	5.7	3.8	3.6			6.8	10.9	11.2	9.4	9.3	8.7	
29	5.6	4.5	3.8	3.8			7.0	11.3	11.1	9.3	9.3	8.7	
30	6.6	1.4	3.8	3.5			7.1	11.5	11.1	9.2	9.3	8.3	
31	6.3		3.8	2.3				11.1		9.4	9.2		
Sec.Ft. Days	230.8	132.8	113.9	99.7	0	0	78.5	356.1	330.9	292.4	285.8	273.9	Year Period
Mean Sec.Ft.	7.4	4.4	3.7	3.2	0	0	2.6	11.5	11.0	9.4	9.2	9.1	6.0
Max. Sec.Ft.	9.6	6.2	5.7	3.8	0	0	7.1	13.0	11.7	11.1	9.4	9.6	13.0
Min. Sec.Ft.	5.6	1.3	0	2.3	0	0	0	6.6	10.2	9.1	9.0	8.3	0
Total Ac. Ft.	457.8	263.4	225.9	197.8	0	0	155.7	706.3	656.3	580.0	566.9	543.3	4,353.4

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	7.7	3.8	3.0	0	0	0	2.8	11.6	9.7	9.2	9.3	9.1	
2	8.3	3.6	2.8	0	0	0	6.2	12.2	9.7	9.2	9.3	9.3	
3	8.7	4.5	2.1	0	0	0	9.9	12.2	9.8	9.4	9.3	9.4	
4	9.2	5.2	1.6	0	0	0	6.0	12.5	9.4	9.3	9.3	9.2	
5	9.2	5.2	1.6	0	0	0	6.3	12.5	9.2	9.2	9.4	9.3	
6	9.3	5.3	3.0	0	0	0	6.4	12.7	9.2	9.2	9.3	9.2	
7	9.2	5.2	3.1	0	0	0	6.2	12.8	9.5	9.3	9.2	9.0	
8	8.4	3.2	3.0	0	0	0	6.2	12.7	9.4	9.2	9.3	9.2	
9	8.0	5.0	4.9	0	1.8	0	6.2	12.6	9.2	9.2	9.4	8.7	
10	7.9	5.0	4.9	0	3.2	0	6.2	12.3	9.1	9.3	9.4	9.0	
11	7.7	3.1	4.9	3.8	3.1	0	6.2	11.9	9.2	9.2	9.4	8.8	
12	7.2	2.9	4.9	3.8	3.1	0	6.2	12.0	9.3	9.4	9.3	8.9	
13	7.2	5.1	4.9	3.8	3.1	0	6.4	12.3	9.3	9.2	9.4	9.3	
14	7.2	5.2	4.7	3.8	3.1	0	6.4	12.3	8.9	9.2	9.4	9.1	
15	7.2	4.8	4.9	3.8	0	0	6.4	11.3	9.1	9.2	9.0	9.1	
16	7.2	4.0	4.8	3.8	0	0	7.0	10.5	9.2	9.3	9.1	9.2	
17	7.2	3.9	4.9	3.8	0	2.5	7.7	10.4	9.2	9.3	9.0	9.2	
18	7.2	3.6	4.8	3.8	0	0	7.6	10.4	9.3	9.3	8.9	9.3	
19	7.1	3.5	4.7	3.8	0	4.7	8.0	10.5	9.3	9.4	9.1	9.0	
20	7.1	3.3	4.0	3.8	0	4.8	8.0	11.0	9.2	9.3	9.1	9.0	
21	7.1	4.0	2.3	3.8	0	4.7	8.0	11.8	9.2	9.4	9.4	9.0	
22	7.0	4.7	0	3.8	0	4.4	7.9	10.7	9.4	9.2	9.2	8.9	
23	7.0	4.6	0	3.8	0	5.0	8.1	9.1	9.2	9.2	8.9	8.7	
24	7.0	4.4	0	3.8	0	5.4	8.3	9.0	9.2	9.1	9.0	8.5	
25	6.9	4.1	0	3.8	0	5.4	8.5	9.0	9.2	9.2	8.9	8.1	
26	5.7	4.7	0	3.8	0	5.4	8.7	9.0	9.3	9.3	8.8	7.2	
27	4.4	4.5	0	3.8	0	5.6	8.9	9.0	9.3	9.2	9.2	7.0	
28	4.2	4.0	0	3.8	0	6.8	9.1	8.8	9.2	9.1	9.2	8.2	
29	4.3	2.7	0	3.8	0	5.7	9.7	9.1	9.2	9.2	9.0	8.2	
30	4.0	3.4	0	3.8	0	2.1	10.7	9.5	9.2	9.1	9.2	7.8	
31	3.5		0	3.8	0	0.8		9.6		9.2	9.5		
Sec.Ft. Days	219.3	128.5	84.0	79.8	17.4	67.7	215.7	341.3	278.6	286.5	285.2	264.1	Year Period
Mean Sec.Ft.	7.1	4.3	2.7	2.6	0.6	2.2	7.2	11.0	9.3	9.2	9.2	8.8	6.2
Max. Sec.Ft.	9.3	5.3	5.1	3.8	3.2	6.8	10.7	12.8	9.8	9.4	9.5	9.4	12.8
Min. Sec.Ft.	3.5	2.7	0	0	0	0	2.8	8.8	8.9	9.1	8.8	7.0	0
Total Ac. Ft.	435.0	254.9	166.6	158.3	34.5	134.3	427.8	677.0	552.6	568.3	565.7	523.8	4,498.8

TABLE NO. 5 - Continued

FOOTHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	4.8	7.4	0	3.6	Dry	0	8.0	8.9	9.3	9.3	9.3	7.9	
2	3.3	7.5	0	3.5		0	8.3	9.1	9.3	9.5	9.3	7.4	
3	6.3	7.5	0			0	8.5	9.7	9.3	9.4	9.3	7.4	
4	6.2	7.4	0	3.4		0	8.4	5.7	9.3	9.2	9.3	6.5	
5	6.1	7.3	0	3.3		0	8.3	10.0	9.2	9.1	9.3	5.7	
6	5.6	7.1	0	3.2		0	8.3	11.1	9.2	9.0	9.2	5.6	
7	5.4	7.1	0	3.2		0	8.2	10.4	9.1	9.2	8.9	6.1	
8	5.1	6.8	0	3.0		0	8.1	10.6	9.1	9.3	8.9	6.5	
9	5.0	6.7	0	3.0		0	8.6	9.8	9.0	9.4	9.3	7.3	
10	5.0	6.7	0	3.0		0	9.1	9.6	9.0	9.4	9.6	8.6	
11	5.0	5.5	0	3.0		0	9.5	9.5	9.0	9.2	9.4	8.3	
12	5.2	4.8	0	3.0		0	9.4	9.3	9.0	9.2	9.4	7.4	
13	5.2	3.9	0	3.0		2.6	9.3	9.2	9.1	9.3	9.5	6.7	
14	4.9	4.5	0	3.0		4.9	9.3	9.2	9.2	9.3	9.4	5.6	
15	5.6	4.5	0	3.0		4.8	9.3	9.2	9.3	9.2	9.5	5.2	
16	5.8	6.2	0	3.0		4.9	9.2	9.4	9.3	9.0	9.4	4.7	
17	5.5	7.1	2.0	3.0		4.8	9.3	9.3	9.4	9.3	9.1	4.9	
18	4.9	4.3	3.5	3.0		4.9	9.3	9.2	9.4	9.3	9.2	7.8	
19	4.5	2.8	3.5	3.8		4.9	9.4	9.1	9.4	9.3	9.3	8.9	
20	4.3	0	3.4	3.8		5.1	9.4	9.2	9.3	9.4	8.9	8.9	
21	4.5	0	3.4	3.8		5.3	9.4	9.3	9.2	9.3	9.1	8.8	
22	4.9	0	3.2	3.8		5.4	9.4	9.3	9.2	9.1	9.3	8.5	
23	4.9	0	3.2	3.8		6.7	9.3	9.3	9.3	9.3	9.2	6.5	
24	4.9	0	1.0	3.8		8.6	9.0	9.3	9.3	9.3	8.9	8.9	
25	5.8	0	0	3.8		8.1	9.0	9.4	9.3	9.3	8.4	6.1	
26	7.0	0	0	3.8		8.2	9.1	9.4	9.2	9.3	8.6	6.9	
27	7.4	0	0	3.8		8.5	9.1	9.4	9.2	9.3	9.1	7.1	
28	7.4	0	1.7	3.8		8.2	9.5	9.4	9.3	9.3	8.9	7.5	
29	7.4	0	3.9	0		8.0	9.3	9.4	9.1	9.2	9.0	5.1	
30	7.4	0	3.7	0		7.9	9.1	9.4	9.1	9.4	9.2	6.5	
31	7.3	0	3.9	0		7.9	9.1	9.4	9.4	9.4	8.7	6.5	
Sec.Ft. Days	172.6	115.1	36.1	92.1	0	122.9	269.4	294.5	276.5	287.5	284.1	210.9	Year Period
Mean Sec.Ft.	5.6	3.8	1.2	3.0	0	4.0	9.0	9.5	9.2	9.3	9.2	6.8	5.9
Max. Sec.Ft.	7.4	7.5	3.9	3.8	0	8.7	9.5	11.1	9.4	9.5	9.6	8.9	9.6
Min. Sec.Ft.	3.3	0	0	0	0	0	8.0	8.9	9.0	9.0	8.4	4.7	0
Total Ac. Ft.	342.4	228.3	71.6	182.7	0	243.8	534.3	584.1	548.4	570.3	563.5	418.3	4,287.7

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	6.4	0	0	3.8	7.1	9.2	3.3	5.4	8.3	9.2	9.3	9.1	
2	6.4	0	0	4.0	7.1	9.3	3.5	5.1	8.7	9.3	9.3	8.8	
3	7.1	0	2.2	4.0	7.1	9.3	1.2	5.2	8.1	9.4	9.3	8.7	
4	6.8	1.8	4.5	3.9	6.6	9.2	0	7.0	8.0	9.3	9.4	8.7	
5	5.5	5.0	4.4	4.8	5.6	9.1	0	7.4	7.6	9.3	9.5	8.8	
6	4.6	4.9	4.4	3.8	4.9	9.1	2.6	7.6	7.0	9.3	9.3	9.1	
7	4.6	4.5	4.3	3.8	4.7	9.1	5.3	8.2	7.4	9.3	9.3	9.1	
8	6.0	4.2	4.5	4.6	4.6	9.1	3.5	8.2	8.3	9.3	9.2	9.1	
9	7.1	3.8	5.1	5.1	4.9	9.1	2.8	8.4	9.7	9.3	9.2	9.4	
10	6.5	4.5	4.9	5.4	6.0	9.1	2.3	8.2	9.8	9.3	9.3	9.4	
11	6.4	4.7	4.9	5.3	6.3	7.6	0	8.9	9.8	9.3	9.3	9.5	
12	7.0	3.9	4.6	5.0	6.3	7.2	2.2	9.2	9.7	9.3	9.3	9.7	
13	6.9	3.4	4.6	4.9	6.7	9.3	2.2	9.7	9.3	9.3	9.4	9.7	
14	6.7	3.3	4.4	4.6	7.7	8.7	0.9	10.2	9.1	9.3	9.4	9.8	
15	6.5	2.2	4.7	4.3	8.0	8.3	2.6	8.9	9.0	9.3	9.3	9.7	
16	6.5	0	5.0	4.0	8.9	8.3	3.3	8.1	9.5	9.3	9.3	9.5	
17	6.9	0	4.8	4.3	9.3	7.4	4.3	9.6	9.5	9.3	9.3	8.9	
18	7.1	0	4.7	4.5	9.3	6.2	4.9	9.2	9.4	9.3	9.6	8.7	
19	6.5	0	4.6	1.2	9.4	1.8	4.8	8.7	9.2	9.3	9.4	8.6	
20	6.1	0	4.3	0	9.4	0	5.0	9.0	9.3	9.3	9.5	8.7	
21	6.1	0	3.6	0	9.4	0	5.5	9.4	9.3	9.3	9.5	9.3	
22	6.2	0	4.0	0	9.4	0	5.0	9.4	8.6	9.2	9.5	9.6	
23	6.5	0	4.3	0	9.3	1.6	5.9	10.0	8.4	9.2	9.4	9.3	
24	6.9	0	4.3	0	9.1	0.8	6.1	9.8	9.4	9.3	9.5	9.8	
25	6.7	0	4.2	0	9.2	0	6.1	10.2	9.3	8.9	9.5	9.1	
26	3.0	0	4.1	0	9.2	1.1	6.7	10.7	9.3	8.9	9.4	8.4	
27	0	0	3.6	0	9.2	2.8	7.2	10.4	9.3	9.3	9.5	8.0	
28	0	0	3.5	0	9.3	2.9	6.9	9.8	9.1	9.3	8.6	8.1	
29	0	0	3.9	4.5	9.3	1.3	6.7	9.7	9.2	9.2	9.0	8.2	
30	0	0	4.1	8.5	9.3	2.4	5.9	9.5	9.3	9.2	9.5	8.3	
31	0	0	3.5	8.7	9.3	3.1	6.1	8.1	9.4	9.2	9.4	8.4	
Sec.Ft. Days	162.2	46.2	124.0	103.0	223.3	172.4	116.7	269.2	267.9	287.0	289.7	271.1	Year Period
Mean Sec.Ft.	5.2	1.5	4.0	3.3	7.7	5.6	3.9	8.7	8.9	9.3	9.3	9.0	6.4
Max. Sec.Ft.	7.1	5.0	5.1	8.7	9.4	9.3	7.2	10.7	9.8	9.4	9.4	9.8	10.7
Min. Sec.Ft.	0	0	0	0	4.6	0	0	5.1	7.0	8.9	8.6	8.0	0
Total Ac. Ft.	321.7	91.6	245.9	204.3	442.9	342.0	231.5	534.0	531.4	569.3	574.6	537.7	4,626.9

TABLE NO. 5 - Continued

FOOTHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	7.4	5.6	2.8	1.9	2.4	0	4.6	9.3	10.1	9.7	9.3	8.7	
2	7.0	5.6	2.6	1.9	2.3	0	4.5	9.3	9.7	9.7	9.2	8.7	
3	8.8	5.4	2.6	2.0	2.3	0	4.9	9.3	9.7	9.7	9.1	8.5	
4	7.0	5.6	1.9	2.0	1.3	0	5.1	9.3	9.9	9.7	9.1	8.3	
5	7.3	5.7	2.1	2.0	1.8	0	5.3	9.3	10.1	9.7	9.2	8.3	
6	7.3	5.7	2.5	1.8	2.6	0	4.7	9.1	10.4	9.5	9.3	8.5	
7	7.3	5.7	2.6	1.8	0.9	0	4.2	9.1	10.1	9.5	9.2	8.0	
8	7.3	5.5	2.6	1.8	0	0	4.1	9.1	9.9	9.5	9.2	7.9	
9	7.0	5.6	2.6	3.1	0	0	4.2	9.3	9.7	9.5	9.3	8.5	
10	6.2	5.8	2.4	3.7	0	0	4.3	9.5	9.5	9.5	9.3	8.7	
11	6.1	5.2	2.4	3.6	0	0	4.3	10.0	10.4	9.5	9.3	8.5	
12	6.1	4.6	2.3	3.7	0	0	4.8	9.7	10.3	9.5	9.2	8.7	
13	6.5	4.6	1.6	3.7	0	0	5.2	9.1	10.3	9.4	9.2	8.1	
14	6.5	4.6	2.1	3.8	0	0	5.4	7.7	10.1	9.4	9.1	8.5	
15	6.4	4.4	2.6	3.7	0	0	5.7	7.5	9.9	9.4	9.2	8.3	
16	6.2	4.0	1.2	3.6	0	0	6.1	7.5	10.0	9.3	9.1	8.1	
17	6.4	3.9	0	3.6	0	0	6.4	5.9	10.0	9.3	9.1	7.9	
18	6.6	3.9	0	3.8	0	0	6.6	6.0	10.0	9.3	9.1	8.4	
19	6.3	3.8	0	2.1	0	0	6.6	5.8	9.9	9.4	9.4	7.5	
20	6.3	3.7	0	0	0	0	7.1	5.8	9.9	9.4	9.4	7.0	
21	6.3	3.5	0	0	0	0	7.1	5.7	9.9	9.3	8.7	7.3	
22	6.3	3.3	0	0	0	0	7.1	6.8	9.8	9.3	8.8	7.3	
23	6.1	3.2	0	0	0	0	7.1	7.5	9.7	9.3	9.1	7.4	
24	6.3	3.1	0	0.9	0	0	7.1	7.5	9.7	9.4	9.0	6.6	
25	6.6	3.1	0	2.5	0	1.2	8.3	7.5	9.7	9.3	9.2	7.0	
26	6.7	3.1	0	2.5	0	2.4	8.7	8.4	9.7	9.3	9.7	7.4	
27	6.7	3.8	0	2.5	0	2.6	8.7	8.5	9.7	9.1	9.2	8.1	
28	6.5	3.8	0	2.5	0	3.5	8.7	8.3	9.7	9.3	8.5	8.3	
29	6.1	3.8	1.9	2.5	0	4.9	9.1	8.3	9.7	9.1	8.1	8.0	
30	6.1	3.8	2.0	2.5	0	4.7	9.1	8.7	9.7	9.2	8.3	6.2	
31	6.1	3.1	2.0	2.5	0	4.7	9.1	9.7	9.7	9.4	8.7	6.2	
Sec.Ft. Days	203.8	136.6	42.8	72.0	13.6	24.0	185.4	254.5	297.2	291.9	261.6	239.3	Year Period
Mean Sec.Ft.	6.6	4.6	1.4	2.3	0.5	0.8	6.2	8.2	9.9	9.4	9.1	8.0	5.6
Max. Sec.Ft.	7.4	5.8	2.8	3.8	2.6	4.9	9.1	10.0	10.4	9.7	9.4	8.7	10.4
Min. Sec.Ft.	6.1	3.1	0	0	0	0	4.1	5.7	9.5	9.1	8.1	6.2	0
Total Ac. Ft.	404.2	270.9	84.9	142.8	27.0	47.6	367.7	504.8	589.5	579.0	558.6	474.7	4,051.7

TABLE NO. 6

WUTCHUMNA DITCH NEAR HEAD

Point of diversion - Above McKey Point on north bank of Kaweash River in the southeast quarter of Section 34, Township 17 South, Range 27 East, M.D.B. and M.

Maximum diversion capacity - 260 second-feet.

Location of gaging station - Three-tenths mile below head of ditch in southeast quarter of Section 34, Township 17 South, Range 27 East, M.D.B. and M. Map designation (6).

Description of gaging station - Reted concrete control structure, checked frequently by means of current meter measurements.

Operating agency - Wutchumna Water Company.

Gross service area - 10,500 acs., exclusive of areas included in Lindsay-Strethmore and Tulare Irrigation districts.

Period of record - 1917-1949; intermittent from January 12, 1917 to February 16, 1920; continuous from February 16, 1920 to September 30, 1949.

Criteria governing diversions - First 25 second-feet of flow reaching the head of Wutchumna Ditch when the total flow of Kaweash River is less than 166.67 second-feet, from June 1 to October 31; 8 second-feet when flow is less than 53.33 second-feet, from November 1 to May 31; when river flows exceed the 166.67 and 53.33 second-feet limitations, 15 per cent of first 500 second-feet, 10 per cent of next 250 second-feet, and 7.5 per cent of next 750 second-feet; additional amounts between flows of 1,500 and 2,400 second-feet at rates not to exceed 10 per cent of flows in excess of 1,500 second-feet, nor more than 2,000 acre-feet in any one season; and additional amounts in lieu of Wutchumna Water Company diversions through Berton Cut on St. Johns Branch.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	13	11	12.5	7.5	0	60	201	205	226	128	15.5	30	
2	17	11	12	8	0	72	183	215	224	110	14.5	30	
3	26	11	12	23	0	79	188	215	217	83	13.5	29.5	
4	27	11	12	48	0	77	200	209	223	86	12.5	32.5	
5	24	11	12	53	0	54	187	207	217	64	12.5	21	
6	22	11	12	47	0	40	182	201	218	60	11.5	10.5	
7	33	10.5	11	47	0	109	182	215	220	55	10.5	11	
8	32.5	10.5	9	53	0	115	189	220	223	52	10.5	10.5	
9	28	10.5	9	51	0	130	181	225	228	48	12.5	19.5	
10	24	11	9	48	0	128	180	228	225	47	13.5	24.5	
11	22.5	10	9.5	21.5	0	133	185	225	223	41	15	23	
12	21.5	9.5	9.5	0	0	144	195	219	219	37	12.5	22	
13	22	9.5	9.5	0	0	145	215	219	216	35	10.5	26	
14	21.5	8.5	9	0	0	143	226	220	218	35	10.5	27.5	
15	18	11	8.5	0	0	144	230	224	217	32.5	10.5	27.5	
16	17.5	11	8	0	0	144	217	221	213	30.5	10.5	28	
17	16.5	12.5	8	0	0	145	197	218	205	28	10	29.5	
18	15	12.5	8	0	0	146	194	220	183	24.5	10	27.5	
19	14	10	8	0	0	145	203	228	164	24.5	9.5	28.5	
20	13	9.5	8	0	0	146	219	231	151	24	8.5	28.5	
21	12.5	9.5	8	0	0	148	234	230	150	23.5	8	30	
22	12	9.5	8	0	0	152	239	223	149	25	7	30	
23	12.5	11	8	0	0	156	235	223	145	22	10	28	
24	13.5	11.5	7.5	0	22	158	226	227	144	20	15	27	
25	13.5	11.5	7.5	0	66	168	213	226	142	18.5	16	26	
26	13.5	12	7.5	0	72	173	209	219	138	19	10.5	24.5	
27	14	12.5	7.5	0	61	174	201	222	130	19	10.5	24	
28	11.5	12.5	7.5	0	59	168	197	220	130	18.5	21	24.5	
29	11	12.5	7.5	0	64	182	191	217	130	18	30	26	
30	11	12.5	7.5	0	180	193	221	221	140	17.5	29.5	26.5	
31	11	12.5	7.5	0	206		221			16.5	28		
Sec.Ft. Days	566.0	327.5	280.5	407.0	344.0	4,164.0	6,072.0	5,814.0	5,626.0	1,240.5	422.0	753.5	Year Period
Mean Sec.Ft.	18.3	10.9	9.1	13.1	11.9	134.3	202.4	219.8	187.5	40.0	13.6	25.1	73.8
Max. Sec.Ft.	33.0	12.5	12.5	53.0	72.0	206.0	239.0	231.0	228.0	128.0	30.0	32.5	239.0
Min. Sec.Ft.	11.0	8.5	7.5	0	0	40.0	169.0	201.0	130.0	16.5	7.0	10.5	0
Total Ac. Ft.	1,122.6	649.6	556.4	807.3	682.3	8,259.3	12,043.8	13,515.0	11,159.2	2,400.5	837.0	1,494.6	53,586.2

DIVISION OF WATER RESOURCES

TABLE NO. 6 - Continued

WUTCHUMNA DITCH NEAR HEAD

Diversions in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	26	21.5	0	76	78	126	148	171	213	228	50	15.2	
2	27	21.5	0	73	76	134	154	174	218	228	49	13.5	
3	27.5	21.5	0	67	70	130	147	179	225	228	48	13	
4	28	20.5	0	64	65	131	155	182	227	228	45	12.5	
5	29.5	20	0	62	64	131	165	184	227	228	42	9.3	
6	27.5	20	0	59	70	137	151	188	228	227	37	7	
7	27	19.5	0	69	81	140	151	186	220	218	37	6	
8	26.5	19.5	2.5	68	107	139	150	185	208	198	39	5.5	
9	33.5	18.5	11	69	131	138	151	181	212	180	44	5.3	
10	37	17	13.5	66	129	137	158	180	232	170	41	5	
11	34	17	13	64	119	135	161	185	242	164	37	4.3	
12	31	17	13	64	136	146	154	182	244	162	33	4	
13	29.5	16.5	13	61	128	149	154	175	243	158	31	6.5	
14	29	16.5	12.5	72	128	151	155	174	238	152	29	9.5	
15	28	16	12.5	71	130	147	154	184	237	146	28	17	
16	25	16	13	68	125	144	154	196	238	142	30	20	
17	23.5	5.5	23	64	130	144	151	202	235	137	36	21	
18	25	0	46	57	126	145	149	199	230	138	40	13	
19	29.5	0	72	55	124	146	146	189	240	137	36	8.5	
20	29	0	45	55	125	145	144	192	243	130	31	11	
21	26.5	0	32	55	137	140	142	197	236	129	27	10	
22	25.5	0	31	58	133	140	148	201	237	127	20	9.6	
23	23	0	39	58	130	142	155	202	239	120	25	9.2	
24	27.5	0	79	91	120	143	157	200	238	114	25	9.2	
25	18.5	0	96	88	116	142	161	200	228	103	23	9.2	
26	35	0	85	84	134	143	161	205	229	97	24	9.2	
27	40	0	108	92	134	144	165	205	219	87	22.5	9.5	
28	28.5	0	104	104	127	145	170	210	208	69	20	10	
29	21.5	0	90	108		149	175	212	212	61	15.7	10	
30	21	0	85	107		142	176	216	223	57	15.5	9.5	
31	21.5	0	82	97		143		215		52	15.5		
Sec.Ft. Days	861.5	304.0	1,121.0	2,246.0	3,173.0	4,368.0	4,662.0	5,951.0	6,869.0	4,615.0	1,002.2	302.5	Year Period
Mean Sec.Ft.	27.8	10.1	36.2	72.5	113.3	140.9	155.4	192.0	229.0	148.9	32.3	10.1	97.2
Max. Sec.Ft.	40.0	21.5	108.0	108.0	137.0	151.0	176.0	216.0	244.0	228.0	50.0	21.0	244.0
Min. Sec.Ft.	18.5	0	0	55.0	64.0	126.0	142.0	171.0	208.0	52.0	15.5	4.0	0
Total Ac. Ft.	1,708.8	603.0	2,223.5	4,454.9	6,293.6	8,663.9	9,247.1	11,803.8	13,624.7	9,153.9	1,987.9	600.0	70,365.1

Diversions in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	9	16.9	19.5	0	28	46.5	129	175	234	189	26	7.5	
2	9	16.2	19	0	28.5	47	134	170	235	182	24	8.2	
3	8.8	16.7	19.8	0	29	47.5	140	186	234	177	24	8.5	
4	9	19	17	0	26.5	49	169	177	238	175	22.5	7.5	
5	9	21.5	16	0	28.5	50	160	185	245	169	20.5	9	
6	9.2	21	15.5	0	29	50	165	195	245	165	19.5	9.7	
7	9	20.5	15.3	0	29	58.5	161	200	244	152	18	9	
8	9	20	15	0	28.5	63	160	204	245	144	16.5	8.2	
9	9	19.8	15	0	28	72	154	207	249	140	16.5	8.2	
10	9	18.5	14.8	0	28	84	160	202	250	135	17	9	
11	9	17.7	14.8	0	35.5	100	162	197	250	131	17	12.5	
12	9	17.7	14.8	0	41.5	108	157	186	249	126	16.5	13.5	
13	9	17.7	14.5	0	41.5	114	162	180	248	118	16	10	
14	9	17.7	14.5	0	41	108	177	181	247	121	16	9.8	
15	9	17.7	14.5	0	40.5	109	170	183	247	120	15	9	
16	9	17.7	14.3	0	40.5	106	167	181	248	109	15	8.7	
17	8.5	18.5	14	0	40.5	105	176	181	249	90	15	7.5	
18	8.2	18.8	13.5	0	40.5	106	170	192	249	75	14.5	7.2	
19	8.6	18.2	7	0	45	103	170	201	247	65	13.5	7.8	
20	9.5	18	0	0	47	101	176	209	238	64	12	7	
21	9.2	18	0	0	48	106	180	217	235	63	11.7	6.3	
22	9.2	18	0	0	51.5	111	183	217	235	63	11.5	8.8	
23	8.8	18	0	15.5	49.5	116	184	208	235	59	10.7	10	
24	8.8	17.7	0	30	49	121	178	212	234	54.5	10	9.8	
25	9	18.5	0	38	48	117	181	221	229	50.5	9	9.5	
26	9.2	19.2	0	36.5	47.5	114	177	215	216	49.5	8.5	10	
27	20.5	19.2	0	36	47	114	180	206	200	41	8.5	11.2	
28	23	19.7	0	34.5	46.5	114	181	212	198	36	8.7	10.3	
29	22	19.5	0	31	49	117	170	208	200	34	9	9.8	
30	20.5	20.7	0	29	48	122	167	211	200	31	9	9.3	
31	20		0	28.5		130		230		29.5	8.5		
Sec.Ft. Days	339.4	558.3	288.6	279.0	1,083.5	2,909.5	5,000.0	6,149.0	7,073.0	3,156.0	460.1	272.8	Year Period
Mean Sec.Ft.	10.9	18.6	9.3	9.0	38.7	93.9	166.7	198.4	235.8	101.8	14.8	9.1	75.5
Max. Sec.Ft.	23.0	21.5	19.8	38.0	51.5	130.0	184.0	230.0	250.0	189.0	26.0	13.5	250.0
Min. Sec.Ft.	8.2	16.2	0	0	28.0	46.5	129.0	170.0	198.0	29.5	8.5	6.3	0
Total Ac. Ft.	673.2	1,107.4	572.4	553.4	2,149.1	5,771.0	9,217.5	12,196.4	14,029.3	6,259.9	932.6	541.1	54,683.5

TABLE NO. 6 - Continued

WITCHUMNA DITCH NEAR HEAD

Diverslon in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	8.5	8.5	19.5	39	59	0	120	151	258	142	42.5	9.2	
2	8.5	8.5	19	36	57	0	121	150	238	141	41.5	8.7	
3	9	8.7	19	35	57	0	123	148	222	142	40	9	
4	9.5	8.7	19	33	56	0	123	148	208	147	35.5	9	
5	8.5	8.5	19	29	55	0	124	141	198	150	29.5	9	
6	9.5	8.5	19	27	55	0	132	144	201	148	29	9.7	
7	8	8.5	19	26	54	0	132	154	221	137	26	9	
8	17.5	8.5	19	25.5	57	0	139	161	241	132	20	8.7	
9	29.5	8	19	26	55	0	135	155	245	132	23	9.5	
10	20.5	8	19	26	54	0	131	157	244	130	25	10.8	
11	10.5	8	19	23.5	54	0	129	170	251	129	23	11.2	
12	8	8	19	21	54	0	129	175	240	127	21	12	
13	8	8	19	21	53	66	129	176	228	122	21	11.5	
14	9	8	19	21	53	105	130	181	233	120	21	9.5	
15	9.5	8.3	19	21.5	52	117	131	184	225	120	20.5	8.5	
16	8.5	8.5	19	21.5	0	121	133	179	223	116	20.5	8	
17	8.2	8.5	19	21.5	0	129	136	178	220	111	20	8.3	
18	8.7	10.2	19	21	0	160	136	184	208	107	20	9	
19	9	14.5	19	20.5	0	140	138	194	208	92	19	9.7	
20	24.5	12.5	19	21	0	134	140	206	214	67	16	10	
21	16	16	19	37	0	131	142	220	206	58	15.5	8.5	
22	8	22.5	19.5	68	0	131	146	232	191	54	15	8	
23	8	21.5	68	62	0	125	144	252	164	52	13	6.5	
24	8	20	85	53	0	124	144	251	157	49	13	8.5	
25	8	20	70	62	0	124	141	246	153	48	12.5	10	
26	8	19.5	61	61	0	123	141	247	151	49	12	10	
27	8.5	19.5	56	57	0	123	151	244	153	48	10.5	10.2	
28	8.5	19.5	51	58	0	124	150	238	154	48	8.2	10.5	
29	8.5	19.5	46	62	0	125	149	231	146	46	9	10.2	
30	8.5	19.5	41	61	0	121	149	235	146	43	10	10.2	
31	8.5	19.5	41	61	0	121	149	235	146	43	10	10.2	
Sec.Ft. Days	335.7	379.7	921.0	1,170.0	795.0	2,352.0	4,065.0	5,973.0	6,158.0	3,061.0	647.0	281.7	Year Period
Mean Sec.Ft.	10.8	12.7	29.7	37.7	28.4	75.9	135.5	192.7	205.6	98.7	20.9	9.4	71.6
Max. Sec.Ft.	29.5	22.5	85.0	68.0	59.0	160.0	151.0	252.0	258.0	150.0	42.5	12.0	258.0
Min. Sec.Ft.	8.0	8.0	19.0	20.5	0	0	120.0	141.0	146.0	43.0	8.2	6.5	0
Total Ac. Ft.	605.9	753.1	1,820.8	2,320.7	1,570.9	4,665.2	8,002.9	11,847.4	12,234.2	6,071.5	1,283.3	558.8	51,866.7

Diverslon in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	10	54.5	12.8	13.5	54	72	120	142	192	140	18.5	27.5	
2	10.7	52	13	13.8	33	69	130	162	205	134	17.7	26	
3	11.2	51	13	13.8	32.5	67	138	177	197	128	16.5	24.5	
4	11	52	13	13.5	37	68.5	136	194	193	123	15	23.2	
5	10.2	50	13.5	13.5	38	85	133	200	201	117	14.3	21.2	
6	10.2	-9.5	13.5	14.3	37.5	74	128	200	198	111	13.8	20	
7	18.9	-8.5	13	13.8	37.5	69.5	127	192	197	105	13.3	16.2	
8	24	47	12.8	13.5	38.5	68.5	133	196	197	98	12.8	15.8	
9	25.5	47.5	13	13	69	69	131	197	188	90	12	15.3	
10	26.5	46.5	12.8	13	69	84	120	195	188	72	11.5	14.7	
11	26.5	34	12.8	13	53.5	100	124	194	196	63.5	11.3	14.1	
12	27.5	15	13.8	12.8	52.5	102	124	193	198	97.5	10.5	13.8	
13	26.5	14.5	13	12.8	51	100	118	196	198	48	10.3	13.3	
14	28	14.5	13	12.8	51	97	108	198	196	45.5	10.5	14.2	
15	26	14.2	13	12.8	46.5	91	103	195	180	45.5	9.8	15	
16	25.5	12.8	12.8	12.8	41	74	104	188	159	44.5	9.4	16.1	
17	25.5	12.8	13	13.8	41	62.5	101	180	145	42.5	8.8	15.7	
18	28.5	13	13	12.8	38.5	66.5	90	180	140	38	9.7	15.3	
19	56.5	12.8	13.5	12.8	32	74.5	74	178	144	35.5	13.8	15	
20	58.5	13.5	14.3	12.8	30	80.5	94	189	146	33	9.7	15	
21	56	13.5	15.2	13	30	85	103	195	142	32	10.3	14.8	
22	34	13.8	13.8	13	32.5	84.5	99	198	132	30	10.4	14.3	
23	51.5	13.5	12.8	12.8	52.5	87	105	156	129	27.5	9.8	17.5	
24	50	13	12.8	39	68	89	107	147	131	24.5	9.8	18.7	
25	47	12.8	6.5	45.5	66	90	103	185	131	24.8	11	17.4	
26	43.5	12.5	8	34.5	69.5	104	105	185	127	23	11	16.5	
27	42	12.5	13.5	34	67	105	124	189	132	23	10.5	14.3	
28	53.5	12.5	13.5	33	65	104	134	195	140	21.5	9.5	14	
29	55	12.5	13.5	33	66	105	128	196	145	19.5	10	12	
30	57.5	13.8	13.5	34	66	108	131	185	144	19.2	18	13.2	
31	56.5	13.5	13.5	35.5	66	113	131	191	144	19.5	25.2	13.2	
Sec.Ft. Days	1,055.3	785.0	398.2	591.2	1,379.5	2,049.0	3,475.0	5,768.0	5,011.0	1,836.0	384.7	505.6	Year Period
Mean Sec.Ft.	34.0	26.2	12.8	19.1	47.6	85.5	115.8	186.1	167.0	59.2	12.4	16.9	65.1
Max. Sec.Ft.	58.5	54.5	15.2	45.5	69.5	113.0	138.0	200.0	205.0	140.0	25.2	27.5	205.0
Min. Sec.Ft.	10.0	12.5	6.5	12.8	30.0	62.5	74.0	142.0	127.0	19.2	8.8	12.0	6.5
Total Ac. Ft.	2,093.2	1,557.1	789.8	1,172.6	2,736.2	5,254.3	6,892.7	11,440.8	9,939.3	3,641.7	763.1	1,002.9	47,283.7

DIVISION OF WATER RESOURCES

TABLE NO. 6 - Continued

WITCHUMNA DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	17.2	25	21	15.5	68	0	24	200	200	211	37	10.5	
2	20	13.5	22	15.5	98	0	23	207	210	208	36	11	
3	17.2	12	21	15	91	0	23	217	221	195	42	25.5	
4	18	12	20.5	15	82	0	49	218	235	183	41.5	29	
5	16.5	12.2	20.5	15	68	24.5	65	217	227	178	39	23.5	
6	16.3	12	20.5	15	64	54	104	218	222	170	33.5	20.5	
7	17.8	12	20.5	15	63	53	116	218	222	162	29	17.5	
8	16.3	12.2	20.5	15	54	54	140	214	226	152	30	14.5	
9	19.5	12	20	15	54	58	150	212	222	146	31	12.5	
10	20.5	12	20	15	53	63.5	141	221	227	140	29.5	12	
11	18.8	15.8	19	18.5	52	64	139	219	237	134	30	11.5	
12	17.2	16	19	21.5	52	64	157	221	241	133	28	11.5	
13	17.7	14.5	18.5	22	52	65	154	218	241	132	24.5	10.5	
14	16.5	33.5	18.5	22	52	65.5	151	218	237	131	21	8	
15	18.5	19	18.5	22	53	77	150	209	234	126	19	7.5	
16	19.3	44	17.5	22.5	52	74	150	222	237	123	18	7.5	
17	17.5	36.5	16.5	22.5	51	74	149	231	237	117	17.5	12	
18	16.7	30.5	16.5	23.5	21	71	160	222	237	100	17	17	
19	16	30	16.5	27	0	69	167	220	238	83	17.5	13.5	
20	15.2	29	17	25	0	70	180	218	233	70	15	13.5	
21	17.8	29	17.5	25	0	71	190	213	233	64	15.5	13.5	
22	33	29	19	12	0	40	187	212	223	65	15	13.5	
23	30	28.5	18	14.5	0	13	184	222	215	62	14.5	13.5	
24	22.2	28.5	17.5	25	0	17	181	225	207	61.5	13.5	13.5	
25	21.7	25	17	25	0	10	168	229	200	56	13.5	13.5	
26	22	21.5	16.5	25	0	8.5	190	220	200	51.5	14	13.5	
27	20.5	21	16.5	25	0	5	169	225	207	48	13	13.5	
28	19.7	21	16	25	0	4.5	194	227	212	46.5	11.5	13.5	
29	19.7	21	16.5	25	0	17	200	221	215	45.5	10.5	13.5	
30	20.5	21	16	25	0	23	198	210	214	42	10.5	13.5	
31	23.2		15.5	26		23		200		39	12.5		
Sec.Ft.													Year
Days	603.0	679.2	570.0	632.5	108.0	1,238.5	4,219.0	6,741.0	6,710.0	3,474.0	700.0	424.0	Period
Mean													
Sec.Ft.	19.5	22.6	18.4	20.4	3.9	40.0	140.6	217.5	223.7	112.1	22.6	14.1	71.5
Max.													
Sec.Ft.	33.0	49.0	22.0	27.0	98.0	77.0	200.0	231.0	241.0	211.0	42.0	29.0	241.0
Min.													
Sec.Ft.	15.2	12.0	15.5	12.0	0	0	25.0	200.0	200.0	39.0	10.5	7.5	0
Total													
Ac. Ft.	1,196.0	1,347.2	1,130.6	1,254.6	214.2	2,506.6	6,366.4	11,370.8	13,309.3	6,890.7	1,388.4	841.0	51,767.5

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	12.5	44	39	27	44	46.5	145	230	193	50	11	21	
2	12	44	38	39.5	44.5	47	153	229	197	48.5	10.5	22.5	
3	12	46	37	35.5	46.5	47	153	223	200	44.5	13	19.5	
4	12	45	35.5	52	46.5	45	154	223	194	42	7	21	
5	16	44.5	35	56	45.5	45	135	242	192	34.5	5.5	20	
6	21	44.5	32.5	53.5	45.5	48	135	248	184	34.5	11	20	
7	25	46.5	31.5	52	45	50	153	254	179	34.5	13.5	20	
8	36.5	46	30.5	50.5	45.5	52	154	244	174	34.5	13	20	
9	33	46	29.5	49.5	45	55	175	238	171	33.5	11	20	
10	26.5	46.5	28.5	49.5	45	98	126	230	164	33	11.5	19	
11	26	48.5	28	46.5	45.5	102	134	217	153	30.5	11	17.5	
12	21	48.5	28	48.5	44	93	157	216	159	27	11	15	
13	17	47.5	27.5	47.5	44.5	117	149	219	160	23	10	14.5	
14	17	47	27	47.5	44.5	117	152	220	156	20	10	14	
15	17	47	27.5	46.5	44.5	113	162	220	151	17.5	11	15.5	
16	18	47.5	27.5	45.5	48	110	174	222	144	17.5	12	13.5	
17	17.5	46.5	27	45.5	48	110	183	222	138	17	11.5	12	
18	17	45.5	27	46	46.5	109	198	226	134	17	10.5	12.5	
19	17	44.5	27	45.5	45.5	112	204	259	133	17	15.5	12	
20	16.5	44.5	26.5	45.5	48.5	114	202	246	131	17	14.5	11	
21	16.5	44.5	29	45.5	45.5	113	200	241	116	21	19.5	10	
22	16	44	35	45.5	45.5	110	200	227	110	28	21.5	11.5	
23	19	44.5	33.5	45.5	46	113	205	211	93	17.5	10.5	13.5	
24	19	44.5	30	45.5	47.5	112	210	207	77	17	22.5	13.5	
25	19	46.5	32.5	46	47	110	228	205	59	17	22.5	15	
26	19	46.5	31	46	46.5	113	244	200	59	17.5	19.5	10.5	
27	19	45	28.5	45.5	45.5	124	236	208	58	17	21	10	
28	19	44	28	45	46	137	199	217	57	15.5	11.5	9.5	
29	21	44	27.5	47	46.5	133	227	190	55.5	10	11	10	
30	36	44.5	27	45	169	226	187	50	15	11	11		
31	44		27	44	156		193		12	12			
Sec.Ft.													Year
Days	642.0	1,366.0	939.0	1,448.0	1,282.0	3,026.5	5,260.0	6,689.0	1,051.5	790.0	486.5	533.0	Period
Mean													
Sec.Ft.	20.7	29.5	30.3	46.7	45.8	97.6	175.3	222.2	135.1	55.5	14.8	15.1	72.9
Max.													
Sec.Ft.	36.5	46.5	39.0	50.0	48.5	169.0	244.0	254.0	200.0	50.0	22.5	22.5	254.0
Min.													
Sec.Ft.	12.0	12.5	26.5	27.0	44.0	45.0	126.0	187.0	50.0	12.0	5.5	9.5	5.5
Total													
Ac. Ft.	1,273.4	2,709.5	1,862.5	2,872.1	2,542.8	6,003.1	10,433.2	13,664.3	8,036.2	1,507.0	909.4	698.5	52,772.0

TABLE NO. 6 - Continued

WUTCHUMNA DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	50	10	2.5	19.7	16.2	17	96	195	150	32	18	7.7	
2	97	10	2	19.7	16.2	18	94	215	159	29	18.7	5.4	
3	59	9.5	0	19.7	16	18	100	225	146	24	19	4.7	
4	57	9	0	19.5	16	25	96	224	141	21.5	19.4	4.7	
5	54	8.5	0	19.5	16	39	94	228	135	21.5	18.1	5.1	
6	61	9	0	19.5	16.2	38.5	92	231	126	21.5	16.1	4.5	
7	64	9	0	19.5	16.2	38	90	225	147	21	14.6	3.7	
8	59	9	0	19.2	16	38	92	220	128	20.5	14.1	3.1	
9	55	8.5	0	19.2	16.2	37.5	92	198	133	19.5	17.4	3.8	
10	52.5	8.5	0	19.2	17.5	38	90	188	136	17	24.6	5.5	
11	50	9	0	19	17.2	14.3	96	175	135	17.5	19.5	4.6	
12	47	8.5	0	19	17	55	106	167	118	17.5	16.5	4.1	
13	43	8.5	5.5	19	17.5	57	116	182	101	17.5	14.6	4.1	
14	38.5	8.2	19	19	17.5	58	141	176	84	17	14.9	4.1	
15	37	8.5	19	18.5	17.5	56.5	176	167	79	16.5	14.5	4.5	
16	51	8	19	18.5	17.5	59	182	188	71	16	13.1	4.4	
17	67	19.5	19.5	18.5	18.2	59	192	197	56	15	12.4	4.4	
18	58	7.5	19.5	18.2	18.2	60	191	199	55.5	14.5	11.9	6.0	
19	54	7.2	19.5	16.8	18.2	61	197	205	56.5	14.5	13.2	11.1	
20	51.5	9.5	19.5	16.8	18.2	61	204	205	58	13	15.1	8.7	
21	41	6	19.5	16.5	18.2	65	192	199	48.5	12.5	16.6	7.2	
22	24	7	19.5	16.	18	72	177	204	47	11	11.1	7.2	
23	26	7	19.5	16.5	17.8	86	165	209	44	10.5	13.6	7.4	
24	18	7	20	16.5	17.5	101	158	211	43	9.5	14.9	7.6	
25	17.5	7	21	16.5	17.5	95	150	196	39.5	10	11.4	6.6	
26	17.5	6	21	16.5	17	95	141	187	36	11.5	8.2	5.7	
27	16.5	5.5	23.5	16.5	17	100	145	184	35	11.5	7.5	5.5	
28	14	4.5	23	16.8	17	101	153	179	34	12.5	7.5	5.5	
29	9	4	21	16.5	17	100	148	175	33.5	20.7	7.9	5.5	
30	9	3.5	19.5	16.5	17	96	158	173	32.5	25.2	8.4	5.2	
31	9.5		19.5	16.5	17	95	153	173	32.5	21.5	8.7		
Sec. Ft.	1,303.5	233.5	372.0	559.8	479.5	1,851.8	4,124.0	6,070.0	2,608.0	543.2	441.9	167.2	Year Period
Mean													
Sec. Ft.	42.0	7.8	12.0	18.1	17.1	59.7	137.5	195.8	86.9	17.5	14.3	5.6	51.4
Max.													
Sec. Ft.	97.0	10.0	23.5	19.7	18.2	101.0	204.0	231.0	159.0	32.0	24.6	11.1	231.0
Min.													
Sec. Ft.	9.0	3.5	0	16.5	16.0	14.3	90.0	159.0	32.5	9.5	7.5	3.1	0
Total													
Ac. Ft.	2,585.5	463.2	777.9	1,110.4	951.1	3,673.0	8,180.0	12,039.9	5,173.0	1,077.4	876.5	331.6	37,199.5

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	4	41	10	8	6.5	11.5	49	154	203	92	15.6	12.5	
2	3	30	10.5	8	6.5	11.5	48	150	211	73	15	12	
3	3	31	10	8	8	11.5	52	148	200	64	14.5	11.5	
4	3.5	29	10	8	6.5	11.5	54	173	226	64	14.5	11	
5	3	28	10	8.5	13.5	12	55	139	202	59	14	11.5	
6	3	27.5	9	8.5	24.5	12	59	201	198	56	14	11	
7	3	26	9	8	24.5	12	55	204	210	52	5.5	10.5	
8	3.5	24.5	9	8.5	24.5	12.5	50	196	238	47	5.5	10	
9	3	24	9	10	22	12	46	180	223	40	15.5	8.5	
10	10	21	9	10	20.5	12.5	123	177	203	37	19.5	7.5	
11	40	10.5	8.5	10.5	21	12	174	190	212	35	19.5	7	
12	41	10.5	8.5	10.5	20.5	11.5	152	205	215	31	19.5	9.5	
13	33.5	10.5	9	10.5	21	12	140	214	212	27	18.5	9	
14	32	10.5	9	10	20	14.5	131	218	208	26	17	7.5	
15	27	11	9	10	18	17.5	136	223	200	26	17.5	7.5	
16	27.5	11.5	9	9	13.5	22.5	140	227	199	26.5	17.5	7	
17	31	11.5	9	9	13	24.5	148	225	191	27	17.5	7.5	
18	33.5	10.5	9	9	12.5	25	153	224	185	23.5	16	9	
19	33.5	10.5	9	9	12.5	32	162	207	180	20.5	15.5	9	
20	29	10	9	9	12.5	29.5	174	198	174	20	12.5	9	
21	26.5	10	9	10	12.5	26.5	179	187	172	20.5	12.5	9.5	
22	32.5	10	8.5	10	12.5	21.5	173	190	174	22.5	12.5	8	
23	35	10	8.2	10	13	22	165	222	171	22.5	12	7	
24	31	10.5	8.5	10	13	25	153	223	182	22	12	7	
25	30	10.5	9	10	12.5	36	154	229	157	22	12	7	
26	31	10.5	10.5	10	12.5	43	163	233	154	21.5	12	10	
27	30	10	10.5	12.5	11.5	21	176	229	146	20.5	11.5	10.5	
28	33.5	10	10.5	9	11.5	27	177	232	143	19.5	12	11	
29	32	10	10.5	7	11.5	43	176	221	136	19.5	12	10	
30	39	10	10.5	6	6	44	163	216	121	19	10.5	9.5	
31	53		9	6.5		47		206		19	11.5		
Sec. Ft.													Year Period
Days	738.5	490.5	289.5	283.0	429.5	677.5	3,782.0	6,231.0	5,626.0	1,075.0	435.1	279.0	
Mean													
Sec. Ft.	23.8	16.4	9.3	9.1	14.8	21.9	126.1	201.0	187.5	34.7	14.0	9.3	55.6
Max.													
Sec. Ft.	53.0	41.0	10.5	12.5	24.5	47.0	179.0	233.0	238.0	92.0	19.5	12.5	238.0
Min.													
Sec. Ft.	3.0	10.0	6.5	6.0	6.0	11.0	48.0	139.0	121.0	19.0	5.5	7.0	3.0
Total													
Ac. Ft.	1,464.8	972.9	574.2	561.3	851.9	1,343.8	7,501.6	12,359.2	11,159.2	2,132.3	863.0	551.4	40,337.6

DIVISION OF WATER RESOURCES

TABLE NO. 6 - Continued

WUTCHUMNA DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	11.5	23.5	25.5	15	25	25.5	40	233	175	25.5	14	10	
2	12.5	21.5	6.5	15	25	25.5	39	241	177	25	18.5	6.5	
3	13	20.5	8	15	25	27	39	247	178	24.5	17	5.5	
4	10.5	13.5	9	15	25	32	42	215	171	24.5	15.5	6.5	
5	7.5	7.5	9	14.5	25.5	37	50.5	216	160	24.5	14	4	
6	8	9.5	9	14.5	26	43	75	229	165	21.5	13.5	4	
7	8.5	9.5	9	14	23	42.5	70	230	171	18	13.5	5	
8	8.5	9.5	9	14	20	43	67	226	175	17.5	12.5	4	
9	7.5	9.5	9	14	19	41.5	65	214	172	16.5	12	3.5	
10	7.5	9.5	9	14	19	41	76	193	167	16	13.5	3	
11	8.5	9.5	9	14	20	51	93	191	159	16	15.5	3	
12	15.5	9.5	8.5	14	18	45.5	124	209	158	15	16.5	3	
13	19.5	9.5	8	14.5	10	42	149	213	147	15	16.5	3	
14	22	9.5	8	14.5	0	41.5	157	233	140	16.5	13.5	3	
15	20	9.5	8	14.5	0	43	175	212	118	17	14	3	
16	19	10	8	13	0	44	187	203	91	15	12	3	
17	17.5	10.5	9.5	12.5	0	45	203	210	90	13.5	10.5	2.5	
18	16	11	14	13	0	45.5	199	215	76	13	10	2.5	
19	13	24	14	13.5	0	48	193	209	70	13	12	2.5	
20	11.5	32.5	14	16	0	49.5	194	194	65	13	10	2.5	
21	11	30	14	14.5	0	45.5	226	194	54	13	9	2.5	
22	11	33	14	18	0	43.5	236	204	45	12.5	11	2	
23	10.5	34.5	14	24	0	46	243	209	42	11	16	2	
24	10	41	13.5	27	0	45	242	220	38	11	17.5	2	
25	10	43.5	13.5	26	0	43	236	228	35.5	19	12	2	
26	10.5	38	13	26	0	54	231	236	33	22	12	2	
27	11.5	36	14	26	11	61	222	235	31.5	20	11	2	
28	14	33.5	14	25.5	26	57	240	224	33.5	18	10	2	
29	14	34	14.5	25	59	59	242	204	30	16	9	2	
30	16.5	33	14.5	25	46.5	46.5	233	188	26	15	6.5	2	
31	21.5		14.5	25	40	40		160		7.5	6.5		
Sec. Ft. Days	398.0	626.0	357.5	540.5	317.5	1,353.5	4,588.5	0,055.0	3,199.5	5,270.0	399.0	100.5	Year Period
Mean Sec. Ft.	12.8	20.9	11.5	17.6	11.3	43.7	153.0	214.7	106.7	170.0	12.9	3.4	65.2
Max. Sec. Ft.	22.0	43.5	25.5	27.0	26.0	61.0	243.0	247.0	178.0	25.5	18.5	10.0	247.0
Min. Sec. Ft.	7.5	7.5	6.5	12.5	0	25.5	39.0	180.0	26.0	7.5	8.5	2.0	0
Total Ac. Ft.	789.4	1,241.7	709.1	1,084.0	629.8	2,684.7	9,101.3	13,200.2	6,346.2	10,453.0	791.4	199.3	47,230.1

TABLE NO. 7

HAMILTON DITCH NEAR HEAD

Point of diversion - Two and one-half miles below McKay Point on south bank of Kaweah Branch in northeast quarter of Section 7, Township 18 South, Range 27 East, M.D.B. & M., prior to 1945. Since 1945 pump located 3 miles below McKay Point on south bank of Kaweah Branch in southeast corner of Section 12, Township 18 South, Range 26 East, M.D.B. & M.

Maximum diversion capacity - 8 second-feet.

Location of gaging station - Three-fourths miles below head of ditch in northwest quarter of Section 18, Township 18 South, Range 27 East, M.D.B. & M., prior to 1945. Since 1945 occasional measurement of pump made. Map designation ⑦.

Description of gaging station - Rated channel and staff gage.

Operating agency - Individual landowners.

Gross service area - 340 acres.

Period of record - 1920, 1930, inclusive; no record for 1923; intermittent for other years.

Criteria governing diversions - Riparian status of a portion of the service area and historical use. Average rate of diversion during summer snow run-off, 8 second-feet. Diversions have been made more or less continuously for the past 35 years, whenever water has been available.

TABLE NO. 8

CONSOLIDATED PEOPLES DITCH NEAR HEAD

Point of diversion - Four and one-half miles below McKey Point on the south bank of Keweenaw Branch in the northeast quarter of Section 14, Township 18 South, Range 26 East, M.D.B. & M.

Maximum diversion capacity - 700 second-feet.

Location of gaging station - At head of ditch in the northeast quarter of Section 14, Township 18 South, Range 26 East, M.D.B. & M. Map designation ⑧.

Description of gaging station - Concrete headgate and fleshboards, rated by current meter measurements from footbridge below headgate. Water stage recorder above headgate.

Operating agencies - Consolidated Peoples Ditch Company and Elk Bayou Ditch Company.

Gross service areas - Consolidated Peoples Ditch Company, 16,000 acres. Elk Bayou Ditch Company, 8,900 acres.

Period of record - April 15, 1917 to September 30, 1949.

Criteria governing diversions - For Consolidated Peoples Ditch Company, 60 per cent of the first 200 second-feet of river flow reaching the head of Consolidated Peoples Ditch, 50 per cent of the next 100 second-feet and 40 per cent of the next 325 second-feet; maximum diversion, 300 second-feet. For Elk Bayou Ditch Company, first 291 second-feet of river flow reaching the head of Consolidated Peoples Ditch in excess of flows required to meet the sum of the Consolidated Peoples Ditch Company diversions of 300 second-feet and downstream priorities of 711 second-feet, aggregating 1,011 second-feet at their respective points of diversion.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	0	8	8	90	395	495	298	274	125	36		Dry
2	0	0	8	18	100	306	270	342	275	115	30		
3	9	0	9	170	220	254	301	360	280	108	33		
4	11	5	8	230	465	217	270	331	331	100	30		
5	0	15	8	170	210	195	252	290	310	100	26		
6	0	16	10	85	168	188	231	268	304	100	23		
7	0	15	11	80	146	169	228	255	309	92	17.5		
8	0	18	12	174	134	162	220	204	327	86	17		
9	0	18	12	152	150	156	220	337	340	80	13		
10	0	22	12	200	164	142	228	386	327	72	11.5		
11	0	22	16	540	156	128	237	407	321	64	10.5		
12	0	22	30	295	152	141	265	385	318	56	9.5		
13	0	15	24	135	144	155	298	385	313	53	8.5		
14	0	10	21	85	185	148	319	400	337	49	8.5		
15	0	9	19	105	182	147	331	410	298	43	8.5		
16	0	9	19	118	149	149	284	410	280	39	8.5		
17	0	10	19	110	148	158	260	351	273	38	8.5		
18	0	11	19	106	162	159	279	298	242	37	7.5		
19	0	12	18	96	150	155	311	300	224	36	6.5		
20	0	11	16	91	145	155	326	335	198	34	6		
21	0	11	9	86	144	160	352	380	197	33	5.5		
22	0	10	8	83	142	166	380	385	200	30	5		
23	0	12	6	81	475	178	380	375	186	28	3.5		
24	0	11	6	80	248	188	387	415	181	25	2.5		
25	4	10	8	130	183	202	374	405	159	24	0		
26	5	10	8	520	700	210	355	358	140	23	2.5		
27	0	12	8	205	400	430	319	327	129	22	2		
28	0	13	7	140	355	320	303	322	129	20	1.5		
29	0	9	8	115	540	248	270	290	130	20	0		
30	0	8	8	100	100	230	273	260	152	22	0		
31	0	8	8	95	100	460		266		38	0		
Sec. Ft. Days	29.0	346.0	383.0	4,603.0	6,587.0	6,471.0	9,018.0	10,537.0	7,484.0	1,712.0	348.0	0	Year Period
Mean Sec. Ft.	0.9	11.5	12.4	146.5	227.1	208.7	300.6	343.1	249.5	55.2	11.2	0	130.1
Max. Sec. Ft.	11.0	22.0	30.0	540.0	700.0	460.0	495.0	415.0	340.0	125.0	36.0	0	700.0
Min. Sec. Ft.	0	0	6.0	8.0	90.0	126.0	200.0	255.0	129.0	20.0	0	0	0
Total Ac. Ft.	57.5	666.3	755.7	5,170.0	1,005.0	1,035.0	17,687.2	11,098.5	1,544.5	3,395.8	690.3	0	94,450.3

TABLE NO. 8 - Continued

CONSOLIDATED PEOPLES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	102	112	198	203	249	268	322	86	25	
2			0	97	110	221	239	255	289	311	83	30	
3			0	90	104	200	208	285	322	302	78	41	
4			0	85	98	165	246	325	332	299	68	41	
5			54	85	96	158	460	335	332	295	61	39	
6			32	84	116	140	192	347	352	286	59	36.5	
7			0	95	125	121	218	376	316	281	67	35	
8			20	87	157	112	213	400	292	284	72	34.5	
9			35	75	275	155	229	403	283	280	64	34	
10			33	83	455	192	270	424	319	261	61	33.5	
11			33	80	370	183	330	448	370	250	59	32.5	
12			33	68	750	177	269	439	405	240	54	32	
13			34	43	350	179	240	387	420	226	51	30	
14			30	66	240	192	227	329	402	208	47	26.5	
15			30	65	221	179	225	295	386	187	41	33.5	
16			37	88	207	163	229	312	380	171	43	29.5	
17			97	84	229	174	221	361	372	160	83	26.5	
18			95	53	207	182	233	356	332	168	60	27	
19			110	82	198	196	235	292	328	174	48	29.5	
20			65	80	184	199	229	302	323	153	43	27.5	
21			52	79	243	181	221	330	307	147	39.5	29	
22			55	90	221	177	222	385	295	151	36.5	29.5	
23			265	90	198	182	221	410	291	141	33.5	29	
24			160	380	195	185	221	388	301	146	32	27.5	
25			150	160	175	180	221	376	301	122	30	26.5	
26			82	131	207	187	217	387	299	123	28	26.5	
27			380	122	183	189	221	349	292	114	27.5	27.5	
28			330	114	150	192	238	323	279	103	27	29	
29			170	123		210	262	290	297	95	27	28	
30			125	117		186	274	286	317	90	25.5	27	
31			113	112		176		276		88	25.5		
Sec.Ft. Days	0	0	2,620.0	3,140.0	6,176.0	5,531.0	7,234.0	10,718.0	9,802.0	6,176.0	1,560.0	923.5	Year Period
Mean Sec.Ft.	0	0	84.5	101.3	220.6	178.4	241.1	345.7	326.7	199.2	50.3	30.8	147.6
Max. Sec.Ft.	0	0	380.0	380.0	750.0	221.0	460.0	448.0	420.0	322.0	86.0	41.0	750.0
Min. Sec.Ft.	0	0	0	43.0	96.0	112.0	192.0	249.0	268.0	88.0	25.5	25.0	0
Total Ac. Ft.	0	0	5,196.8	6,228.2	12,250.1	10,970.7	14,348.6	21,259.1	19,442.3	12,250.1	3,094.3	1,831.8	106,872.0

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	25	Dry	0	129	111	101	175	248	368	249	44	19	
2	23		0	97	108	105	183	245	380	256	41	18	
3	12		0	62	133	108	199	242	350	252	39	17	
4	0		0	0	120	113	290	259	372	242	37	14	
5	0		0	0	121	123	197	279	412	242	36	9	
6	0		0	0	141	134	202	306	435	221	34	12	
7	0		0	0	136	139	206	324	416	209	32	19	
8	0		0	0	124	147	215	337	383	198	31	17	
9	0		0	0	114	155	226	353	401	190	30	13	
10	0		0	0	108	155	231	326	429	179	30	11	
11	0		0	46	110	223	255	304	442	176	33	13	
12	0		0	121	95	226	244	252	427	162	31	15	
13	0		0	121	100	208	261	228	407	150	34	15	
14	0		0	123	113	190	310	240	391	144	28	14	
15	0		0	121	105	206	286	235	368	148	24	13	
16	0		0	114	104	183	275	218	370	155	45	12	
17	0		0	108	33	172	320	208	364	133	44	11	
18	0		0	102	0	187	286	248	365	123	39	11	
19	0		0	99	0	188	283	314	350	121	34	11	
20	0		0	96	61	173	310	413	328	118	33	11	
21	0		0	95	101	168	316	472	301	114	30	11	
22	0		0	114	138	165	310	500	295	103	28	10	
23	0		0	146	124	165	316	468	294	89	25	10	
24	0		0	108	118	160	290	463	277	82	23	9	
25	0		0	264	115	157	294	490	273	80	22	8.5	
26	0		0	230	110	150	284	461	271	76	21	8	
27	0		0	186	105	142	286	382	242	71	21	8.5	
28	0		110	350	103	139	283	385	241	65	20	8.5	
29	0		223	190		149	254	342	241	57	20	9	
30	0		224	150		158	236	310	239	51	21	10	
31	0		175	127		173		339		47	21		
Sec.Ft. Days	60.0	0	732.0	3,299.0	2,851.0	4,962.0	7,823.0	10,191.0	10,452.0	4,503.0	951.0	367.5	Year Period
Mean Sec.Ft.	1.9	0	23.6	106.4	101.8	160.1	260.8	328.7	348.4	145.2	30.7	12.2	126.6
Max. Sec.Ft.	25.0	0	224.0	350.0	141.0	226.0	320.0	500.0	442.0	256.0	45.0	19.0	500.0
Min. Sec.Ft.	0	0	0	0	0	101.0	175.0	208.0	239.0	47.0	20.0	8.0	0
Total Ac. Ft.	119.0	0	1,451.9	6,543.6	5,655.0	9,842.1	15,516.9	20,213.9	20,731.5	8,931.7	1,880.3	728.9	91,620.8

DIVISION OF WATER RESOURCES

TABLE NO. 8 - Continued

CONSOLIDATED PEOPLES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	10	Dry	Dry	0	143	177	118	480	480	193	51	21.5	
2	9			0	120	170	116	475	425	189	48	19.5	
3	9			0	98	170	147	455	356	189	44	17.5	
4	8.5			0	84	214	134	495	297	196	38	16	
5	7.5			0	74	284	125	435	255	193	37.5	13	
6	6.5			0	33	356	146	455	260	193	36	5	
7	5.5			0	0	289	97	475	282	175	33.5	7.5	
8	5			0	0	282	242	485	320	170	36	13	
9	1			0	0	750	310	455	355	170	34	13	
10	0			0	36	750	271	447	320	168	31	13.5	
11	5			0	84	700	255	460	335	167	29.5	14	
12	8.5			0	86	600	251	30	295	165	29	14	
13	13			0	88	550	238	410	297	150	27	13.5	
14	16			0	89	465	246	385	267	135	26.5	12	
15	5			0	108	365	255	327	271	143	26	9	
16	0			0	128	295	265	290	295	125	41	9	
17	0			0	150	330	271	265	324	113	41.5	9.5	
18	0			0	180	750	307	238	333	101	38.5	10.5	
19	0			0	168	550	331	236	350	97	36	13	
20	0			0	173	380	318	271	293	94	37	13	
21	0			220	176	370	317	323	288	95	37	12.5	
22	0			700	184	370	350	380	250	90	31.5	12	
23	0			700	198	285	395	430	220	85	31	13	
24	0			205	265	175	393	525	205	80	31	13	
25	0			55	239	160	407	587	223	75	31	11.5	
26	0			15	207	147	386	560	217	72	30	10	
27	0			55	199	117	379	560	201	68	27	11	
28	0			140	187	125	454	548	210	64	25	12.5	
29	0			115	132	132	460	520	213	66	24	13.5	
30	0			170	150	150	440	475	198	62	23.5	13	
31	0			207	101			420		54	22		
Sec.Ft. Days	109.5	0	0	2,582.0	3,497.0	10,559.0	8,424.0	3,297.0	8,555.0	3,937.0	1,034.0	379.0	Year Period
Mean Sec.Ft.	3.5	0	0	83.3	124.9	340.6	280.8	428.9	285.2	127.0	33.4	12.6	143.5
Max. Sec.Ft.	16.0	0	0	700.0	265.0	750.0	460.0	587.0	480.0	196.0	51.0	21.5	750.0
Min. Sec.Ft.	0	0	0	0	0	101.0	97.0	236.0	198.0	54.0	22.0	5.0	0
Total Ac. Ft.	217.2	0	0	5,121.4	6,936.3	20,943.8	16,709.0	26,374.6	16,968.8	7,809.0	2,050.9	751.8	103,882.8

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	12	Dry	0	26	21	140	168	210	284	277	37	37	Dry
2	11		0	27	18	103	183	274	330	163	57		
3	11		0	31	18	88	187	290	337	145	55		
4	10		0	11	30	80	170	322	311	140	52		
5	10		0	10	26	358	150	344	350	118	48		
6	10		0	25	24	190	154	376	375	112	45		
7	9		0	10	24	143	168	303	350	108	43		
8	9		0	33	28	132	176	328	385	107	41		
9	2		0	73	53	132	163	360	305	92	40		
10	0		0	63	32	140	142	353	273	80	37		
11	0		0	61	28	158	152	348	290	92	34		
12	0		0	45	28	163	158	348	293	90	33		
13	0		0	32	27	163	133	356	311	85	30		
14	0		0	31	25	142	110	376	280	81	30		
15	0		0	29	24	110	121	336	231	77	28		
16	0		0	26	22	103	121	305	194	71	28		
17	0		0	26	21	110	111	241	176	66	27		
18	0		0	25	19	121	110	215	177	62	27		
19	0		0	26	36	135	107	194	174	60	22		
20	0		0	26	65	133	145	220	181	36	23		
21	0		0	27	69	116	125	243	179	51	22		
22	0		0	26	226	108	116	280	172	49	20		
23	0		0	26	191	116	133	350	154	47	18		
24	0		0	39	112	131	135	351	155	46	17		
25	0		0	12	80	150	150	353	157	41	17		
26	0		0	5	103	148	129	351	149	40	16		
27	0		0	12	103	143	150	350	157	38	15		
28	0		0	37	77	140	167	348	177	35	12		
29	0		0	36	77	143	149	356	187	33	7		
30	0		13	38	42	143	168	335	183	31	5		
31	0		28	48	156	156	156	339	157	31	1		
Sec.Ft. Days	79.0	0	41.0	936.0	1607.0	4,338.0	4,341.0	9,735.0	7,277.0	2,428.0	887.0	0	Year Period
Mean Sec.Ft.	2.5	0	1.3	30.2	55.4	139.9	144.7	314.0	242.6	78.3	28.6	0	86.5
Max. Sec.Ft.	12.0	0	28.0	73.0	226.0	358.0	187.0	376.0	385.0	177.0	57.0	0	385.0
Min. Sec.Ft.	0	0	0	5.0	18.0	80.0	107.0	194.0	149.0	31.0	1.0	0	0
Total Ac. Ft.	156.7	0	81.3	1,856.6	3187.5	8,604.4	8,610.4	19,302.4	14,433.9	4,815.9	1,759.4	0	62,815.5

TABLE NO. 8 - Continued

CONSOLIDATED PEOPLES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	49	520	82	230	545	237	300	58	23	
2	0	0	0	50	1,000 e.	74	222	530	285	280	61	24	
3	0	0	0	47	850 e.	75	190	560	335	257	84	52	
4	0	0	0	45	535	92	180	575	450	229	65	61	
5	0	0	0	44	275	92	170	515	452	222	56	45	
6	0	0	0	44	215	82	165	507	337	200	56	37	
7	0	0	0	44	170	78	171	507	275	190	62	22	
8	0	0	0	45	157	73	192	477	280	180	54	0	
9	0	0	0	64	136	74	220	445	282	175	46	0	
10	0	0	0	89	127	82	180	465	330	165	41	0	
11	2	0	0	86	107	94	175	420	398	170	36	0	
12	46	0	0	70	104	100	162	452	470	175	36	0	
13	0	0	0	55	102	105	148	440	535	170	34	0	
14	0	0	0	55	108	108	137	355	542	170	32	0	
15	0	0	0	55	145	428	135	307	500	167	32	0	
16	0	0	0	60	110	290	140	353	465	141	45	0	
17	0	0	0	55	105	275	180	427	445	122	41	0	
18	0	0	0	51	108	227	250	372	452	110	40	0	
19	0	0	0	46	109	185	305	295	452	108	43	0	
20	0	0	21	43	103	170	392	270	415	107	45	0	
21	0	0	62	43	100	178	452	250	407	105	43	0	
22	0	0	111	43	95	195	440	242	358	105	40	0	
23	0	0	105	44	95	407	427	262	305	107	36	0	
24	0	0	79	43	95	290	415	272	260	104	34	0	
25	0	0	66	44	93	255	427	282	251	98	31	0	
26	0	0	59	45	88	645	420	275	250	85	29	0	
27	0	0	53	45	84	375	407	267	270	83	29	0	
28	0	0	51	43	84	292	420	260	305	80	28	0	
29	0	0	61	42	77	270	477	250	336	74	28	0	
30	0	0	54	42	82	215	525	252	325	70	26	0	
31	0	0	50	42	0	205	205	233	0	62	24	0	
Sec.Ft. Days	0	48.0	772.0	1,573.0	5,820.0	6,113.0	8,354.0	11,662.0	11,004.0	4,609.0	1,315.0	264.0	Year Period
Mean Sec.Ft.	0	1.6	24.9	50.7	207.9	197.2	278.5	376.2	366.2	148.7	42.4	8.8	141.2
Max. Sec.Ft.	0	46.0	111.0	89.0	1,000.0	645.0	525.0	575.0	542.0	300.0	84.0	61.0	1,000.0
Min. Sec.Ft.	0	0	0	42.0	84.0	73.0	135.0	233.0	237.0	62.0	24.0	0	0
Total Ac. Ft.	0	95.2	1,531.3	3,120.0	11,544.0	12,125.1	16,570.2	23,131.6	21,826.4	9,142.0	2,608.3	523.6	102,217.7

e. Indicates quantity is estimated.

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	7	118	75	94	223	414	232	79	28	0	Dry
2	0	0	5	113	75	102	191	412	240	73	24	0	
3	0	0	5	129	75	102	175	382	253	71	24	0	
4	0	0	6	119	75	97	168	390	242	68	21	0	
5	0	0	9	158	77	94	168	390	230	62	21	0	
6	0	0	28	141	73	88	171	396	209	59	24	0	
7	0	0	59	120	73	91	169	424	207	53	19	0	
8	0	0	57	109	73	103	162	410	200	51	17	0	
9	0	0	55	97	75	119	155	362	199	49	19	0	
10	0	0	52	94	72	126	154	305	182	44	20	0	
11	0	0	52	88	72	120	165	268	154	40	22	0	
12	0	0	54	84	68	113	188	286	160	38	19	0	
13	0	0	52	83	70	140	216	270	158	37	17	0	
14	0	0	48	86	69	150	197	270	155	34	16	0	
15	0	0	50	85	69	141	203	288	145	33	14	0	
16	0	0	51	84	87	137	264	263	146	29	9	0	
17	0	0	52	83	87	138	328	248	132	27	9	0	
18	0	0	50	82	83	135	353	240	116	31	7	0	
19	0	0	48	82	80	137	368	263	108	43	3	0	
20	0	0	47	78	79	140	356	312	108	48	0	0	
21	0	0	87	79	79	133	354	317	105	62	0	0	
22	0	0	325	79	80	128	354	268	103	61	0	0	
23	0	0	304	79	85	133	362	226	100	51	0	0	
24	0	0	202	79	88	134	376	202	95	46	0	0	
25	0	0	342	79	88	133	410	210	91	49	0	0	
26	0	0	248	79	83	142	435	208	90	63	0	0	
27	0	0	174	79	83	155	425	244	69	57	0	0	
28	0	0	158	79	87	156	429	228	88	44	0	0	
29	0	0	149	77	87	165	425	200	86	37	0	0	
30	0	9	137	75	75	294	410	208	83	35	0	0	
31	0	0	126	75	75	304	304	216	0	31	0	0	
Sec.Ft. Days	0	9.0	3,039.0	2,892.0	2,180.0	4,244.0	8,354.0	9,120.0	4,506.0	1,505.0	333.0	0	Year Period
Mean Sec.Ft.	0	0.3	98.0	93.3	77.9	136.9	278.5	294.2	150.2	48.5	10.7	0	99.1
Max. Sec.Ft.	0	9.0	342.0	158.0	88.0	304.0	435.0	424.0	253.0	79.0	28.0	0	435.0
Min. Sec.Ft.	0	0	5.0	75.0	68.0	88.0	154.0	200.0	83.0	27.0	0	0	0
Total Ac. Ft.	0	17.8	6,027.9	5,736.3	4,324.0	8,418.0	16,570.2	18,089.5	8,937.6	2,985.2	660.5	0	71,767.0

TABLE NO. 8 - Continued

CONSOLIDATED PEOPLES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	55	62	92	107	204	130	36	Dry	Dry	
2		0	0	49	62	117	98	306	135	34			
3		0	0	46	62	120	110	362	131	30.5			
4		0	0	37	62	118	107	340	131	29			
5		0	0	37	64	108	101	343	125	26.5			
6		0	0	38	64	99	99	334	120	25			
7		0	0	37	64	97	99	295	128	27.5			
8		0	0	35	66	95	105	276	125	37.5			
9		0	0	33	67	96	101	204	125	33.5			
10		0	0	33	84	96	100	169	133	32			
11		0	0	32	89	99	107	143	121	32			
12		0	0	31	86	92	123	143	108	30			
13		0	0	28	101	93	143	180	107	30			
14		0	0	26	100	96	158	168	108	28			
15		0	0	25	96	93	174	155	108	26			
16		0	0	24	93	96	201	179	107	24			
17		0	0	24	120	97	228	211	97	23			
18		0	0	24	107	101	226	220	96	21			
19		0	0	24	97	107	235	222	99	18.5			
20		33	0	24	99	107	256	250	105	16.5			
21		0	0	25	99	105	217	225	93	14			
22		0	0	37	96	105	190	234	72	11.5			
23		500	0	62	89	101	168	264	62	9.5			
24		320	0	62	88	110	154	237	60	8			
25		57	18	62	92	100	145	217	56	9.5			
26		21	25	53	92	99	133	193	54	7.5			
27		0	125	64	92	107	135	179	51	7			
28		0	105	64	96	108	158	171	49	7			
29		0	96	59		113	133	161	46	5			
30		0	70	60		109	144	154	40	0			
31		0	60	62		101		141		0			
Sec.Ft. Days	0	931.0	499.0	1,276.0	2,389.0	3,177.0	4,435.0	5,880.0	2,922.0	639.5	0	0	Year Period
Mean Sec.Ft.	0	31.0	16.1	41.2	85.3	102.5	147.8	221.9	97.4	20.6	0	0	63.4
Max. Sec.Ft.	0	500.0	125.0	64.0	120.0	120.0	256.0	362.0	135.0	37.5	0	0	500.0
Min. Sec.Ft.	0	0	0	24.0	62.0	92.0	98.0	141.0	40.0	0	0	0	0
Total Ac. Ft.	0	1,846.6	989.8	2,330.9	4,738.6	6,301.6	8,796.8	13,646.5	5,795.8	1,268.4	0	0	45,915.0

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	25	17	15	19	62	119	202	120	22.5	Dry	
2		8	26	18	14	17	71	108	220	105	21		
3		27	26	17	13	16	92	104	184	97	18		
4		24	24	17	10	18	110	152	240	85	17		
5		19	27	19	18	19	78	216	196	76	17		
6		19	18	18	24	19	71	302	186	67	14		
7		15	2	15	24	19	71	370	208	62	17		
8		16	2	16	22	18	63	302	288	60	14		
9		14	3	16	23	18	64	218	302	57	12		
10		13	0	19	29	19	600*	168	224	55	9		
11		17	0	17	35	18	335*	169	228	55	7		
12		16	0	14	28	17	187	210	233	53	6		
13		15	2	15	26	18	125	279	236	52	6		
14		14	2	17	27	27	92	338	222	48	5		
15		20	2	13	27	42	88	550*	202	43	4		
16		27	2	15	29	37	100	350*	194	42	2		
17		27	2	16	33	59	136	340*	178	41	0		
18		25	7	14	34	52	156	310	166	38	0		
19		25	6	15	24	43	152	254	148	36	0		
20		29	7	16	23	48	156	199	139	34	0		
21		14	18	15	22	40	176	171	137	34	0		
22		0	24	16	22	40	164	172	139	52	0		
23		0	21	17	27	47	144	237	136	49	0		
24		9	22	17	24	59	122	332	125	45	0		
25		21	21	18	19	95	116	342	120	39	0		
26		21	21	17	19	68	131	388	126	35	0		
27		22	23	18	16	65	162	400	128	31	0		
28		23	23	13	18	66	169	338	130	28.5	0		
29		23	23	10	23	65	160	283	134	26	0		
30		24	22	9	71	139	249	129	129	22.5	0		
31			15	13	13	62		222		22.5	0		
Sec.Ft. Days	0	527.0	416.0	487.0	668.0	1,221.0	4,292.0	7,972.0	5,500.0	1,610.5	191.5	0	Year Period
Mean Sec.Ft.	0	17.6	13.4	15.7	23.0	39.4	143.1	257.2	183.3	52.0	6.2	0	62.5
Max. Sec.Ft.	0	29.0	27.0	19.0	35.0	95.0	600.0*	400.0	302.0	120.0	22.5	0	600.0*
Min. Sec.Ft.	0	0	0	9.0	10.0	16.0	62.0	104.0	120.0	22.5	0	0	0
Total Ac. Ft.	0	1,045.3	825.1	966.0	1,325.0	2,421.9	8,513.2	15,812.4	10,909.3	3,194.4	379.8	0	45,392.4

* Quantities are partially estimated.

TABLE NO. 8 - Continued

CONSOLIDATED PEOPLES DITCH NEAR HEAD

Diversions in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	25	19	41	67	250	166	34	Dry	Dry	
2			0	26	19	41	67	294	177	32			
3			0	25	19	50	62	274	185	30			
4			0	21	19	68	67	218	169	30			
5			0	14	19	88	93	210	159	28			
6			1.5	21	20	64	110	254	162	28			
7			10	24	25	56	104	254	171	32			
8			17	23	32	61	97	254	174	36			
9			17	22	24	54	95	236	156	30			
10			17	20	23	48	120	203	150	30			
11			17	18	26	90	170	196	148	30			
12			17	20	33	88	198	229	152	26			
13			17	22	25	70	212	254	136	23			
14			18	23	29	63	232	296	132	20			
15			24	22	30	60	220	232	118	20			
16			21	21	32	62	178	204	110	18			
17			23	18	32	62	200	213	107	16			
18			25	21	36	64	195	240	92	15			
19			21	26	41	74	187	234	80	14			
20			21	67	50	94	174	203	69	13			
21			21	40	50	77	196	203	64	10			
22			21	30	45	74	281	236	59	7			
23			20	31	50	95	300	278	56	4			
24			18	22	50	65	294	308	51	2			
25			17	21	56	73	314	306	48	0			
26			9	18	55	67	270	336	47	0			
27			0	18	58	65	245	319	45	0			
28			0	18	45	76	283	300	42	0			
29			0	20		77	296	241	39	0			
30			0	20		68	263	196	38	0			
31			12	21		69		172		0			
Sec.Ft. Days	0	0	384.5	738.0	962.0	2,124.0	5,590.0	7,643.0	3,302.0	528.0	0	0	Year Period
Mean Sec.Ft.	0	0	12.4	23.8	34.4	68.5	186.3	246.5	110.1	17.0	0	0	58.3
Max. Sec.Ft.	0	0	24.0	67.0	58.0	95.0	314.0	336.0	185.0	36.0	0	0	336.0
Mln. Sec.Ft.	0	0	0	14.0	19.0	41.0	62.0	172.0	38.0	0	0	0	0
Total Ac. Ft.	0	0	762.6	1,463.8	1,908.1	4,213.0	11,087.8	15,159.9	6,549.5	1,047.3	0	0	42,192.0

TABLE NO. 9

DEEP CREEK NEAR HEAD

Point of diversion - Six and five-eighths miles below McKay Point on the south bank of Kaweah Branch in the southwest quarter of Section 22, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 500 second-feet.

Location of gaging station - Prior to 1925, three-eighths mile below head of creek in the southeast quarter of Section 21, Township 18 South, Range 26 East, M.D.B. and M. Since 1925, one hundred yards below head of creek in same section. Map designation ⑨.

Description of gaging station - Open channel section, staff gage and water stage recorder, reted frequently by current meter measurements from a foot bridge.

Operating agencies - Farmers Ditch Company and Tulare Irrigation District.

Gross service areas - Farmers Ditch Company, 12,500 acres. Tulare Irrigation District, 33,500 acres.

Period of record - 1917-1939; intermittent from April 7, 1917 to July 31, 1918 and from October 1, 1919 to April 19, 1920; continuous from April 19, 1920 to September 30, 1949.

Criteria governing diversions - First 40 second-feet of river flow reaching the head of Deep Creek in excess of 60 second-feet and one-half of flows in excess of 100 second-feet; maximum diversion, 290 second-feet. The first 150 second-feet, so diverted, is assigned to the Farmers Ditch Company; and measured at head of its canal; the next 25 second-feet to Tulare Irrigation District through Deep Creek Cut; and at high river stages, total diversions are increased to 200 second-feet for the former agency and 90 second-feet for the latter.

Diversions in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	61	320	315	208	236	42	Dry	Dry	
2				0	69	274	245	252	255	36			
3				66	69	243	215	270	235	27			
4				45	109	220	196	272	229	20			
5				25	90	201	185	273	215	8			
6				0	154	200	173	295	211	0			
7				0	133	186	168	298	208	0			
8				28	112	184	163	315	197	0			
9				39	88	181	157	340	197	0			
10				108	63	174	157	380	182	0			
11				250	57	163	167	375	176	0			
12				240	54	126	189	338	180	0			
13				153	50	99	215	326	184	0			
14				75	60	90	235	333	183	0			
15				0	122	84	240	330	172	0			
16				0	89	77	205	317	154	0			
17				0	75	77	183	270	143	0			
18				0	67	79	195	239	120	0			
19				0	57	80	214	236	108	0			
20				0	53	81	218	247	98	0			
21				0	51	86	234	268	70	0			
22				0	48	95	254	275	71	0			
23				0	265	100	255	270	63	0			
24				0	233	109	261	292	59	0			
25				0	188	119	249	298	60	0			
26				280	460	127	235	275	57	0			
27				175	330	230	210	257	51	0			
28				125	290	214	190	250	49	0			
29				100	380	178	180	233	44	0			
30				82		163	182	218	56	0			
31				69		268		208		0			
Sec.Ft. Days	0	0	0	1,860.0	3,877.0	4,828.0	6,285.0	8,758.0	4,263.0	133.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	60.0	133.7	155.7	209.5	282.5	142.1	4.3	0	0	82.0
Max. Sec.Ft.	0	0	0	280.0	460.0	320.0	315.0	380.0	255.0	42.0	0	0	460.0
Min. Sec.Ft.	0	0	0	0	48.0	77.0	157.0	208.0	44.0	0	0	0	0
Total Ac. Ft.	0	0	0	3,689.3	7,690.0	9,576.3	12,466.3	17,371.5	8,455.7	263.8	0	0	59,512.9

TABLE NO. 9 - Continued

DEEP CREEK NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	Dry	0	27	17	240	120	170	280	157	Dry	Dry	
2	0	0	0	22	12	257	141	183	292	162			
3	0	0	0	14	10	250	128	209	313	167			
4	0	0	0	5	6	231	130	245	322	165			
5	0	0	0	0	6	226	363	274	321	166			
6	0	0	0	3	18	208	258	326	335	161			
7	0	0	0	24	35	193	229	372	310	154			
8	0	0	0	41	44	184	200	384	243	151			
9	0	0	0	29	206	164	185	433	216	139			
10	0	0	0	12	252	141	223	437	247	122			
11	0	0	0	7	206	128	267	433	290	112			
12	0	0	0	9	418	134	226	436	322	105			
13	0	0	0	26	273	141	208	380	343	96			
14	0	0	0	51	216	152	202	317	335	86			
15	0	0	0	40	200	142	199	301	328	74			
16	0	0	0	18	162	127	197	321	320	66			
17	0	0	9	11	142	117	184	362	314	58			
18	0	0	22	9	121	110	170	350	280	50			
19	0	0	10	0	103	110	155	288	280	49			
20	0	0	0	6	98	115	149	280	275	40			
21	0	0	0	5	128	104	142	308	262	36			
22	0	0	0	10	121	101	139	352	264	33			
23	0	0	0	8	109	102	139	388	257	27			
24	0	0	88	248	190	103	134	386	240	22			
25	0	0	96	164	180	106	128	391	209	16			
26	86	0	45	120	135	104	128	402	204	14			
27	20	0	218	87	123	108	133	368	170	0			
28	0	0	232	59	132	108	148	347	140	0			
29	0	0	124	31	124	167	314	314	142	0			
30	0	0	80	24	110	176	304	150	150	0			
31	0	0	62	17	110	110	291	0	0	0			
Sec.Ft. Days	106.0	0	1,055.0	1,138.0	3,665.0	4,550.0	5,370.0	10,352.0	8,004.0	2,428.0	0	0	Year Period
Mean	3.4	0	34.0	36.7	130.9	146.8	179.0	333.9	266.8	78.3	0	0	100.5
Max. Sec.Ft.	66.0	0	232.0	248.0	418.0	257.0	363.0	437.0	343.0	167.0	0	0	437.0
Min. Sec.Ft.	0	0	0	3.0	6.0	101.0	120.0	170.0	140.0	0	0	0	0
Total Ac. Ft.	210.3	0	2,092.6	2,257.2	7,269.5	9,024.9	10,651.4	20,533.2	15,875.9	4,816.0	0	0	72,731.0

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	0	0	0	80	25	79	107	201	129	Dry	Dry	
2	0	24	0	0	75	25	80	108	211	118			
3	0	52	28	0	93	25	86	105	192	108			
4	0	47	45	0	80	23	207	112	212	100			
5	0	43	0	0	72	24	190	127	247	91			
6	0	32	0	0	84	30	160	155	270	83			
7	0	0	0	0	75	37	124	187	258	75			
8	12	0	0	0	70	45	112	228	231	68			
9	17	0	0	0	60	51	103	266	244	56			
10	20	0	0	0	52	55	102	255	276	47			
11	10	0	0	0	51	116	120	236	283	43			
12	0	0	0	0	133	108	108	200	275	33			
13	0	0	0	0	44	135	120	169	261	21			
14	0	0	0	0	35	103	174	136	250	12			
15	0	0	0	0	33	111	161	150	250	4			
16	0	0	0	0	31	94	138	143	236	0			
17	0	0	0	0	62	81	170	133	234	0			
18	0	0	0	0	81	84	148	156	231	0			
19	0	0	0	0	98	78	145	193	219	0			
20	0	0	0	0	50	70	165	260	199	0			
21	0	0	0	0	31	65	170	292	180	0			
22	0	0	0	0	28	66	165	313	178	0			
23	0	0	0	0	0	81	168	184	185	0			
24	0	0	0	0	8	27	63	147	286	199	0		
25	0	0	0	153	27	62	151	300	184	0			
26	0	0	0	139	26	60	142	278	164	0			
27	14	0	0	129	26	56	140	210	143	0			
28	42	0	0	238	25	57	138	216	141	0			
29	27	0	0	41	132	62	181	181	144	0			
30	17	0	0	53	108	64	103	161	142	0			
31	0	0	0	92	92	78	179	0	0	0			
Sec.Ft. Days	165.0	198.0	173.0	1,003.0	1,471.0	2,022.0	4,134.0	6,148.0	6,440.0	988.0	0	0	Year Period
Mean	5.3	6.6	5.6	32.4	32.5	65.2	137.8	198.3	214.7	31.9	0	0	62.3
Max. Sec.Ft.	42.0	52.0	53.0	238.0	93.0	133.0	207.0	313.0	283.0	129.0	0	0	313.0
Min. Sec.Ft.	0	0	0	0	25.0	23.0	79.0	105.0	141.0	0	0	0	0
Total Ac. Ft.	327.3	392.7	343.2	1,989.5	2,917.7	4,010.6	8,199.8	12,194.6	12,773.7	1,959.7	0	0	45,108.8

DIVISION OF WATER RESOURCES

TABLE NO. 9 - Continued

DEEP ORRICK NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	32	108	78	140	210	208	62	Dry	Dry	
2		0	0	30	100	75	145	210	192	63			
3		0	0	28	92	70	150	203	171	61			
4		0	0	25	88	77	145	214	160	66			
5		0	0	24	84	105	150	192	158	63			
6		0	0	18	91	126	160	194	149	62			
7		0	0	13	101	103	140	202	148	56			
8		0	0	12	126	109	170	202	151	51			
9		0	0	11	122	385	160	184	153	51			
10		0	0	9	102	410	145	183	146	48			
11		0	0	8	81	375	140	183	148	46			
12		0	0	8	76	300	135	175	136	43			
13		0	0	7	77	255	130	170	125	34			
14		0	0	7	77	235	135	162	126	25			
15		0	0	7	78	230	135	156	126	23			
16		15	0	8	78	215	140	160	135	19			
17		30	0	8	78	215	145	153	144	0			
18		32	0	7	76	450	155	150	149	0			
19		130	0	4	77	300	186	152	146	0			
20		67	0	4	80	230	178	162	136	0			
21		12	0	116	82	205	172	170	138	0			
22		0	0	100	100	210	178	187	126	0			
23		0	0	380	106	185	187	207	114	0			
24		0	84	285	141	165	183	239	114	0			
25		0	98	202	117	160	184	250	94	0			
26		0	71	176	100	155	174	256	75	0			
27		0	54	161	93	155	172	249	69	0			
28		0	49	124	85	155	197	242	69	0			
29		0	46	109		160	202	229	70	0			
30		0	41	128		165	189	210	64	0			
31			36	130		145		194		0			
Sec.Ft. Days	0	286.0	479.0	2,456.0	2,616.0	6,203.0	4,822.0	6,050.0	3,940.0	773.0	0	0	Year Period
Mean	0	9.5	15.5	79.2	93.4	200.1	160.7	195.2	131.3	24.9	0	0	75.0
Max. Sec.Ft.	0	130.0	98.0	380.0	141.0	450.0	202.0	256.0	208.0	66.0	0	0	450.0
Min. Sec.Ft.	0	0	0	4.0	76.0	70.0	130.0	150.0	64.0	0	0	0	0
Total													
Ac. Ft.	0	567.3	950.1	4,871.5	5,188.8	12,303.7	9,564.4	12,000.2	7,815.0	1,533.2	0	0	57,794.2

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	0	26	80	102	184	65	Dry	Dry	
2				0	0	33	91	121	199	58			
3				0	0	28	105	157	194	51			
4				0	0	27	95	186	183	43			
5				0	0	154	84	204	198	38			
6				0	17	89	76	216	213	35			
7				0	16	64	75	198	200	26			
8				0	25	57	72	205	216	20			
9				0	32	58	63	220	174	16			
10				0	29	61	51	216	145	12			
11				0	27	66	51	202	137	7			
12				0	25	70	56	195	137	4			
13				0	23	66	47	198	138	0			
14				0	20	63	40	202	125	0			
15				0	19	52	36	198	107	0			
16				0	19	51	36	185	91	0			
17				0	17	53	34	164	78	0			
18				0	17	57	34	153	69	0			
19				0	9	62	33	152	67	0			
20				0	0	55	42	171	66	0			
21				0	0	57	39	182	61	0			
22				0	38	54	38	203	57	0			
23				0	64	55	44	226	51	0			
24				0	26	60	51	218	52	0			
25				0	19	64	52	225	54	0			
26				0	19	62	54	220	52	0			
27				0	19	59	62	205	55	0			
28				0	15	57	71	213	66	0			
29				0	15	58	68	233	72	0			
30				0		65	82	206	72	0			
31				26.5		72		210		0			
Sec.Ft. Days	0	0	0	26.5	510.0	1,855.0	1,762.0	5,986.0	3,513.0	375.0	0	0	Year Period
Mean	0	0	0	0.9	17.6	59.8	58.7	193.1	117.1	12.1	0	0	38.3
Max. Sec.Ft.	0	0	0	26.5	64.0	154.0	105.0	233.0	216.0	65.0	0	0	233.0
Min. Sec.Ft.	0	0	0	0	0	26.0	33.0	102.0	51.0	0	0	0	0
Total													
Ac. Ft.	0	0	0	52.6	1,011.6	3,679.4	3,494.9	11,873.2	6,968.0	743.8	0	0	27,823.5

KAWEAH RIVER

TABLE NO. 9 - Continued

DEEP CREEK NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	Dry	0	138	80	191	302	155	170	Dry	Dry	
2		0		0	500	78	179	294	181	160			
3		0		0	227	76	171	296	203	150			
4		0		0	206	84	166	294	232	136			
5		0		0	192	82	161	277	212	127			
6		0		0	173	77	160	267	164	115			
7		0		0	158	76	164	270	151	104			
8		0		0	148	76	171	254	139	93			
9		0		0	133	76	183	237	146	84			
10		0		0	122	75	166	257	170	69			
11		115		0	114	75	156	249	200	57			
12		260		0	110	76	148	247	215	51			
13		190		0	106	79	141	230	235	49			
14		125		0	110	79	134	209	253	47			
15		57		0	122	199	130	199	224	43			
16		0		0	108	180	134	213	212	38			
17		0		0	102	169	154	220	204	33			
18		0		0	97	159	181	197	202	32			
19		0		0	97	145	205	161	176	32			
20		0		0	93	141	238	135	150	30			
21		0		0	90	139	266	126	139	26			
22		0		0	88	140	272	129	133	23			
23		0		0	87	234	278	153	117	8			
24		0		0	86	193	278	159	110	0			
25		0		0	84	181	284	168	115	0			
26		0		0	80	300	277	170	133	0			
27		0		0	78	242	275	174	151	0			
28		0		0	79	214	265	179	172	0			
29		0		0	0	195	303	170	173	0			
30		0		0	0	185	316	161	172	0			
31		0		4	0	183	0	145	0	0			
Sec.Ft. Days	0	747.0	0	4.0	3,728.0	4,288.0	6,167.0	6,542.0	5,199.0	1,677.0	0	0	Year Period
Mean Sec.Ft.	0	24.9	0	0.1	133.1	138.3	205.6	211.0	173.3	54.1	0	0	77.7
Max. Sec.Ft.	0	260.0	0	4.0	500.0	300.0	316.0	302.0	235.0	170.0	0	0	500.0
Min. Sec.Ft.	0	0	0	0	78.0	75.0	130.0	126.0	110.0	0	0	0	0
Total Ac. Ft.	0	1,481.7	0	7.9	7,394.5	8,505.2	12,232.3	12,976.1	10,312.2	3,326.3	0	0	56,236.2

e.-Indicates quantity is estimated.

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	Dry	0	Dry	0	16	82	218	130	Dry	Dry	Dry	
2	0		0		2	16	68	217	132				
3	0		0		9	16	60	210	135				
4	0		0		9	13	60	230	122				
5	0		0		8	9	61	252	116				
6	0		0		7	7	62	278	101				
7	0		0		7	8	60	293	99				
8	0		0		2	12	58	285	90				
9	0		0		5	18	53	267	86				
10	0		0		5	20	53	236	79				
11	0		0		6	20	59	195	64				
12	0		0		5	17	72	175	62				
13	0		0		7	29	72	173	62				
14	0		0		7	46	79	166	58				
15	0		0		6	42	73	166	52				
16	0		0		13	42	96	151	48				
17	0		0		12	46	136	142	43				
18	0		0		11	47	175	143	37				
19	0		0		11	47	180	155	30				
20	0		0		10	52	180	177	27				
21	0		0		10	50	177	164	25				
22	0		30		10	46	174	138	25				
23	0		5		11	48	186	118	5				
24	0		0		16	47	199	104	0				
25	0		24		18	45	218	114	0				
26	0		0		16	47	231	104	0				
27	0		0		14	53	224	126	0				
28	0		0		15	48	231	116	0				
29	0		0		0	48	234	109	0				
30	65		0		0	130	221	114	0				
31	25		0		0	104	0	122	0				
Sec.Ft. Days	90.0	0	59.0	0	252.0	1,189.0	3,834.0	5,458.0	1,625.0	0	0	0	Year Period
Mean Sec.Ft.	2.9	0	1.9	0	9.0	38.4	127.8	176.1	54.2	0	0	0	34.3
Max. Sec.Ft.	65.0	0	30.0	0	18.0	130.0	234.0	293.0	135.0	0	0	0	293.0
Min. Sec.Ft.	0	0	0	0	0	7.0	53.0	104.0	0	0	0	0	0
Total Ac. Ft.	178.0	0	117.0	0	499.8	2,358.4	7,604.7	10,826.0	3,223.2	0	0	0	24,807.6

DIVISION OF WATER RESOURCES

TABLE NO. 9 - Continued

DEEP CREEK NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	27	117	0	13	26	111	44	Dry	Dry	Dry	
2		0	25	109	0	29	19	188	52				
3		0	28	99	0	36	21	212	44				
4		0	27	93	0	39	19	208	33				
5		0	32	90	0	31	18	209	24				
6		0	86	85	0	28	16	212	15				
7		0	50	80	0	26	15	202	20				
8		0	15	78	0	25	14	184	16				
9		0	0	76	0	25	8	147	19				
10		0	0	77	12	23	5	116	21				
11		0	0	77	5	26	5	94	20				
12		0	0	76	0	24	17	77	9				
13		0	0	76	6	24	38	83	3				
14		0	32	72	6	26	61	76	0				
15		0	62	68	0	26	93	66	0				
16		0	60	67	0	27	112	90	0				
17		0	60	65	20	27	130	108	0				
18		0	58	61	19	26	127	114	0				
19		0	55	57	16	28	126	130	0				
20		0	70	55	14	28	139	127	0				
21		0	104	55	12	27	124	117	0				
22		0	105	53	12	27	105	133	0				
23		140	100	0	12	34	90	165	0				
24		72	97	0	13	35	72	139	0				
25		35	136	0	15	31	71	126	0				
26		79	168	0	16	28	67	104	0				
27		64	203	0	17	28	65	85	0				
28		50	185	0	16	28	71	80	0				
29		40	138	0	0	33	65	89	0				
30		33	121	0	0	29	77	61	0				
31			115	0	0	27		54	0				
Sec.Ft. Days	0	513.0	2,161.0	1,666.0	210.0	864.0	1,816.0	3,908.0	320.0	0	0	0	Year Period
Mean Sec.Ft.	0	17.1	69.7	53.7	7.5	27.9	60.5	126.1	10.7	0	0	0	31.4
Max. Sec.Ft.	0	140.0	203.0	117.0	20.0	39.0	139.0	215.0	52.0	0	0	0	215.0
Min. Sec.Ft.	0	0	0	0	0	13.0	5.0	54.0	0	0	0	0	0
Total Ac. Ft.	0	1,017.5	4,286.4	3,304.5	416.5	1,713.8	3,602.0	7,751.5	634.7	0	0	0	22,726.9

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	0	69	140	16	Dry	Dry	
2						0	0	63	140	5			
3						0	0	61	117	0			
4						0	0	78	150	0			
5						0	0	134	127	0			
6						0	0	184	123	0			
7						0	0	216	141	0			
8						0	0	190	186	0			
9						0	0	142	209	0			
10						0	207	112	162	0			
11						0	237	114	157	0			
12						0	153	141	154	0			
13						0	108	169	153	0			
14						0	77	200	144	0			
15						0	73	227	129	0			
16						0	74	272	122	0			
17						0	95	286	111	0			
18						0	117	265	98	0			
19						0	110	173	88	0			
20						0	98	132	79	0			
21						0	103	116	79	0			
22						0	93	123	76	0			
23						0	84	163	76	0			
24						0	70	212	68	0			
25						20	69	227	66	0			
26						0	82	242	61	0			
27						0	100	250	57	0			
28						0	108	226	50	0			
29						0	100	188	33	0			
30						0	82	170	24	0			
31						0		154		0			
Sec.Ft. Days	0	0	0	0	0	20.0	2,238.0	5,299.0	3,324.0	21.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0.6	74.6	170.9	110.8	0.7	0	0	29.8
Max. Sec.Ft.	0	0	0	0	0	20.0	237.0	286.0	209.0	16.0	0	0	286.0
Min. Sec.Ft.	0	0	0	0	0	0	0	61.0	24.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	39.7	4,439.1	10,510.6	6,593.1	41.6	0	0	21,624.1

TABLE NO. 9 - Continued

DEEP CREEK NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	113	75	Dry	Dry	Dry	
2							0	137	77				
3							0	153	80				
4							0	103	70				
5							0	93	62				
6							0	116	62				
7							0	122	74				
8							0	120	85				
9							0	108	83				
10							20	86	77				
11							53	77	69				
12							71	99	67				
13							86	111	58				
14							104	146	53				
15							111	116	36				
16							84	99	16				
17							103	113	4				
18							93	131	0				
19							83	116	0				
20							77	99	0				
21							108	92	0				
22							154	94	0				
23							161	120	0				
24							154	148	0				
25							163	156	0				
26							129	174	0				
27							111	189	0				
28							132	170	0				
29							140	147	0				
30							120	103	0				
31								87					
Sec. Ft. Days	0	0	0	0	0	0	2,257.0	3,718.0	1,048.0	0	0	0	Year Period
Mean Sec. Ft.	0	0	0	0	0	0	75.2	119.9	34.9	0	0	0	19.2
Max. Sec. Ft.	0	0	0	0	0	0	163.0	189.0	85.0	0	0	0	189.0
Min. Sec. Ft.	0	0	0	0	0	0	0	77.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	4,476.8	7,374.6	2,078.7	0	0	0	13,930.1

DIVISION OF WATER RESOURCES

TABLE NO. 10

DEEP CREEK CUT NEAR HEAD

Point of diversion - Seven miles below McKay Point on the north bank of Deep Creek in the southeast quarter of Section 21, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 300 second-feet.

Location of gaging station - At head of cut in the southeast quarter of Section 21, Township 18 South, Range 26 East, M.D.B. and M. Map designation 10.

Description of gaging station - Open channel section, staff gage and water stage recorder, read by frequent current meter measurements.

Operating agency - Tulare Irrigation District.

Gross area of Tulare Irrigation District - 33,500 acres.

Period of record - 1927-1949; intermittent during 1927; no record during the years ending September 30, 1928, 1929, 1930, 1931, 1934, and 1935; continuous from October 1, 1931 to September 30, 1933 and from October 1, 1935 to September 30, 1949.

Criteria governing diversions - First 25 second-feet of flow in Deep Creek reaching the head of Deep Creek Cut in excess of 150 second-feet at the head of Fernere Ditch; and approximately 57 per cent of flows in excess of 175 second-feet; maximum diversion, 90 second-feet. (Criteria governing diversions from Kaweah Branch into Deep Creek have been presented at the head of Table No. 9).

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	0	86	114	24	35	Dry	Dry	Dry	
2				0	0	60	65	46	48				
3				0	28	42	41	59	43				
4				0	120	29	30	56	37				
5				0	30	21	24	50	16				
6				0	9	18	17	70	5				
7				0	6	13	16	79	3				
8				0	0	11	14	87	2				
9				0	0	11	14	92	3				
10				0	0	10	10	108	2				
11				61	0	4	12	109	0				
12				87	0	0	20	81	0				
13				28	0	0	32	81	0				
14				0	3	0	41	87	0				
15				0	3	0	45	94	0				
16				0	0	0	30	90	0				
17				0	0	0	17	60	0				
18				0	0	0	16	43	0				
19				0	0	0	25	47	0				
20				0	0	0	22	59	0				
21				0	0	0	37	73	0				
22				0	0	0	49	74	0				
23				0	72	0	57	75	0				
24				0	39	0	63	90	0				
25				0	17	0	57	86	0				
26				101	137	0	48	67	0				
27				29	75	77	32	62	0				
28				3	50	43	20	64	0				
29				0	122	29	14	48	0				
30				0	0	22	14	33	0				
31				0	0	98	23	23	0				
Sec.Ft. Days	0	0	0	309.0	711.0	574.0	994.0	2,117.0	196.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	10.0	24.5	18.5	33.1	68.3	6.5	0	0	0	13.4
Max. Sec.Ft.	0	0	0	101.0	137.0	98.0	114.0	109.0	48.0	0	0	0	137.0
Min. Sec.Ft.	0	0	0	0	0	0	10.0	23.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	612.9	1,410.3	1,136.5	1,971.6	4,199.1	388.7	0	0	0	9,721.1

TABLE NO. 10 - Continued

DEEP CREEK CUT NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	0	42	0	0	18	1	Dry	Dry	
2			0	0	0	49	0	0	24	3			
3			0	0	0	42	0	3	35	3			
4			0	0	0	32	0	12	43	3			
5			0	0	0	27	107	18	45	3			
6			0	0	0	20	41	41	58	3			
7			0	0	0	16	27	53	47	1			
8			0	0	0	12	17	65	16	2			
9			0	14	0	6	10	71	6	0			
10			0	0	35	2	24	68	18	0			
11			0	0	50	0	42	61	35	0			
12			0	0	150	0	24	72	48	0			
13			0	0	47	0	17	61	54	0			
14			0	0	29	0	14	36	50	0			
15			0	0	23	0	14	24	48	0			
16			0	0	11	0	14	28	44	0			
17			0	0	7	0	10	47	45	0			
18			0	0	0	0	5	46	29	0			
19			0	0	0	0	1	21	30	0			
20			0	0	0	0	0	24	29	0			
21			0	0	3	0	0	33	24	0			
22			0	0	0	0	0	54	25	0			
23			22	0	0	0	0	71	24	0			
24			0	39	28	0	0	68	18	0			
25			0	0	15	0	0	68	16	0			
26			0	0	0	0	0	71	35	0			
27			41	0	0	0	0	53	22	0			
28			57	0	0	0	0	43	10	0			
29			0	0	0	3	0	27	4	0			
30			0	0	0	0	0	25	1	0			
31			0	0	0	0	0	22	0	0			
Sec.Ft. Days	0	0	120.0	39.0	412.0	251.0	367.0	1,287.0	901.0	19.0	0	0	Year Period
Mean Sec.Ft.	0	0	3.9	1.3	14.7	8.1	12.0	41.5	30.0	0.6	0	0	9.3
Max. Sec.Ft.	0	0	57.0	39.0	150.0	49.0	107.0	72.0	58.0	3.0	0	0	150.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	1.0	0	0	0	0
Total Ac. Ft.	0	0	238.0	77.4	817.2	497.9	727.9	2,552.8	1,787.1	37.7	0	0	6,736.0

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	Dry	Dry	0	0	18	Dry	Dry	Dry	
2				0			0	0	17				
3				0			0	0	13				
4				0			22	0	17				
5				0			19	0	29				
6				0			10	7	34				
7				0			0	13	28				
8				0			0	25	20				
9				0			0	30	24				
10				0			0	26	34				
11				0			0	24	34				
12				0			0	25	30				
13				0			0	8	25				
14				0			12	3	21				
15				0			7	3	20				
16				0			4	3	16				
17				0			11	6	16				
18				0			6	3	15				
19				0			5	11	14				
20				0			10	32	11				
21				0			10	44	6				
22				0			8	51	6				
23				0			9	42	8				
24				6			4	45	12				
25				13			4	57	8				
26				0			3	48	3				
27				0			3	22	3				
28				26			0	25	2				
29				0			0	13	2				
30				0			0	9	0				
31				0			0	11	0				
Sec.Ft. Days	0	0	0	45.0	0	0	147.0	583.0	486.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	1.5	0	0	4.9	18.8	16.2	0	0	0	3.5
Max. Sec.Ft.	0	0	0	26.0	0	0	22.0	57.0	34.0	0	0	0	57.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	89.2	0	0	291.6	1,156.4	964.0	0	0	0	2,501.2

TABLE NO. 10 - Continued

DEEP CREEK OUT NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	Dry	0	Dry	Dry	0	0	8	Dry	Dry	Dry	
2		0		0			0	0	7.5				
3		0		0			0	0	7.5				
4		0		0			0	0	8.5				
5		0		0			0	0	8.5				
6		0		0			0	0	3				
7		0		0			0	0	0				
8		0		0			0	0	0				
9		0		0			7	0	0				
10													
11		0		0			6	0	0				
12		0		0			5	0	0				
13		0		0			3	0	0				
14		0		0			2	2	2				
15		0		0			6	2.5	3				
16		0		0			5	2.5	5				
17		0		0			3	2.5	3				
18		0		0			0	2.5	3				
19		35		0			0	2.5	3				
20		0		0			0	2.5	0				
21		0		10			0	3	0				
22		0		60			0	3	0				
23		0		0			0	5	0				
24		0		0			0	10	0				
25		0		0			0	13	0				
26		0		0			0	14.5	0				
27		0		0			0	12	0				
28		0		0			0	10	0				
29		0		0			0	8	0				
30		0		0			0	8	0				
31		0		0			0	5	0				
Sec.Ft. Days	0	35.0	0	70.0	0	0	37.0	108.5	62.0	0	0	0	Year Period
Mean Sec.Ft.	0	1.2	0	2.3	0	0	1.2	3.5	2.1	0	0	0	0.9
Max. Sec.Ft.	0	35.0	0	60.0	0	0	7.0	14.5	8.5	0	0	0	60.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	69.4	0	138.8	0	0	73.4	215.2	123.0	0	0	0	619.8

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	1	Dry	Dry	Dry							
2								0	2.5				
3								2	1.5				
4								18	0				
5								58	1				
6								84	8				
7								34	8				
8								8	15				
9								13	3.5				
10								8.5	0				
11								6.5	0				
12								6	0				
13								7.5	0				
14								10.5	0				
15								9	0				
16								3	0				
17								0	0				
18								0	0				
19								0	0				
20								0	0				
21								0	0				
22								0	0				
23								3	0				
24								8	0				
25								19	0				
26								14	0				
27								7.5	0				
28								10	0				
29								19	0				
30								7	0				
31								7	0				
Sec.Ft. Days	0	0	0	0	0	0	0	362.5	40.5	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	0	11.7	1.4	0	0	0	1.1
Max. Sec.Ft.	0	0	0	0	0	0	0	84.0	15.0	0	0	0	84.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	0	719.0	80.3	0	0	0	799.3

TABLE NO. 10 - Continued

DEEP CREEK CUT NEAR HEAD

Diverslon in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	27	0	0	46	0	2	Dry	Dry	
2					250 e.	0	2	38	0	1.5			
3					120	0	12	39	2.5	0			
4					33	0	16	38	6.5	0			
5					6	0	17	29	6.5	0			
6					0	0	17	27	0	0			
7					0	0	16	27	0	0			
8					0	0	17	21	0	0			
9					0	0	17	16	0	0			
10					0	0	13	29	0	0			
11					0	0	11	29	3.5	0			
12					0	0	9	33	11	0			
13					0	0	0	31	23	0			
14					0	0	0	18	29	0			
15					0	0	0	11	24	0			
16					0	0	0	13	19	0			
17					0	0	0	20	16	0			
18					0	27	5	13	16	0			
19					0	7	12	0	16	0			
20					0	0	27	0	12	0			
21					0	0	35	0	12	0			
22					0	0	35	0	5	0			
23					0	20	35	7.5	2	0			
24					0	6	24	10	0	0			
25					0	0	31	12.5	0	0			
26					0	42	30	10.5	0	0			
27					0	19	28	9	0	0			
28					0	7	31	5.5	3	0			
29					0	0	41	0	4	0			
30					0	0	52	0	3.5	0			
31					0	0	0	0	0	0			
Sec.Ft. Days	0	0	0	0	436.0	128.0	533.0	533.0	215.5	3.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	15.6	4.1	17.8	17.2	7.2	0.1	0	0	5.1
Max. Sec.Ft.	0	0	0	0	250.0	42.0	52.0	46.0	29.0	2.0	0	0	250.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	864.8	253.9	1,057.2	1,057.2	427.4	7.0	0	0	3,667.5

e.- Indicates quantity is estimated.

Diverslon in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	Dry	Dry	0	5	Dry	Dry	Dry	Dry	Dry	
2			0			0	2						
3			0			0	0						
4			0			0	0						
5			0			0	0						
6			0			0	0						
7			0			0	0						
8			0			0	0						
9			0			0	0						
10			0			0	0						
11			0			0	0						
12			0			0	0						
13			0			0	0						
14			0			0	0						
15			0			0	0						
16			0			0	0						
17			0			0	0						
18			0			0	1						
19			0			0	1.5						
20			0			0	1.5						
21			0			0	1						
22			48			0	0.5						
23			17			0	2.5						
24			0			0	5						
25			48			0	10						
26			0			0	16.5						
27			0			0	14.5						
28			0			0	15.5						
29			0			0	15						
30			0			16	6.5						
31			0			13							
Sec.Ft. Days	0	0	113.0	0	0	29.0	98.0	0	0	0	0	0	Year Period
Mean Sec.Ft.	0	0	3.6	0	0	0.9	3.3	0	0	0	0	0	6.6
Max. Sec.Ft.	0	0	48.0	0	0	16.0	16.5	0	0	0	0	0	48.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	224.1	0	0	57.5	194.4	0	0	0	0	0	476.0

TABLE NO. 10 - Continued

DEEP CREEK CUT NEAR HEAD

Diverslon in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	24	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	
2		0	22										
3		0	25										
4		0	24										
5		0	30										
6		0	55										
7		0	32										
8		0	10										
9		0	0										
10		0	0										
11		0	0										
12		0	0										
13		0	0										
14		0	0										
15		0	0										
16		0	0										
17		0	0										
18		0	0										
19		0	0										
20		0	0										
21		0	0										
22		0	0										
23		100	0										
24		68	0										
25		30	0										
26		70	0										
27		60	0										
28		45	0										
29		35	0										
30		30	0										
31		0	0										
Sec.Ft.													Year
Days	0	438.0	222.0	0	0	0	0	0	0	0	0	0	Period
Mean													
Sec.Ft.	0	14.6	7.2	0	0	0	0	0	0	0	0	0	1.8
Max.													
Sec.Ft.	0	100.0	55.0	0	0	0	0	0	0	0	0	0	100.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total													
Ac. Ft.	0	868.8	440.3	0	0	0	0	0	0	0	0	0	1,309.1

Note: Tabulated diversions were made due to work on lower Deep Creek which required a dry channel.

Diverslon in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	0	Dry	Dry	Dry	Dry	
2							0	0					
3							0	0					
4							0	0					
5							0	0					
6							0	0					
7							0	0					
8							0	0					
9							0	0					
10							32	0					
11							0	0					
12							0	0					
13							0	0					
14							0	2					
15							0	9.5					
16							0	28					
17							0	50					
18							0	42					
19							0	0					
20							0	0					
21							0	0					
22							0	0					
23							0	0					
24							0	0					
25							0	0					
26							0	0					
27							0	0					
28							0	0					
29							0	0					
30							0	0					
31							0	0					
Sec.Ft.													Year
Days	0	0	0	0	0	0	32.0	131.5	0	0	0	0	Period
Mean													
Sec.Ft.	0	0	0	0	0	0	1.1	4.2	0	0	0	0	0.4
Max.													
Sec.Ft.	0	0	0	0	0	0	32.0	50.0	0	0	0	0	50.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	0	0	63.5	260.8	0	0	0	0	324.3

No diversions during year ending September 30, 1949.

TABLE NO. 11

CROCKER CUT NEAR HEAD

Point of diversion - Seven and one-half miles below McKay Point on the south bank of Keweah Branch in the southeast quarter of Section 21, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 600 second-feet.

Location of gaging station - 300 feet below head of cut in the southwest quarter of Section 21, Township 18 South, Range 26 East, M.D.B. and M. Map designation (11).

Description of gaging station - Open channel section, staff gage and water stage recorder, rated by frequent current meter measurements.

Operating agency - Tulare Irrigation District.

Gross area of Tulare Irrigation District - 75,300 acres.

Period of record - April 7, 1917 to May 30, 1918 and October 1, 1923 to September 30, 1949.

Criteria governing diversions - First 80 second-feet of flow reaching the head of Crocker Cut in excess of flows required to meet downstream priorities of 113 second-feet at their respective points of diversion; next 10 second-feet in excess of flows required to meet the sum of 80 second-feet and downstream priorities of 137 second-feet, aggregating 217 second-feet at their respective points of diversion; next 30 second-feet in excess of flows required to meet the sum of 90 second-feet and downstream priorities of 170 second-feet; aggregating 260 second-feet at their respective points of diversion; next 80 second-feet in excess of flows required to meet the sum of 120 second-feet and downstream priorities of 180 second-feet, aggregating 300 second-feet at their respective points of diversion; next 35 second-feet in excess of flows required to meet the sum of 200 second-feet and downstream priorities of 221 second-feet, aggregating 421 second feet at their respective points of diversion; at higher stages, total diversions are increased to a maximum of approximately 300 second-feet.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1				0	4	141	218	70	145				
2	Dry	Dry	Dry	0	7	128	146	112	131	Dry	Dry	Dry	
3				15	62	114	110	142	100				
4				11	221	115	88	140	87				
5				2	98	95	76	131	78				
6				0	66	90	70	150	77				
7				0	48	75	60	148	83				
8				0	0	70	45	157	92				
9				0	0	66	54	164	99				
10				0	0	54	65	196	91				
11				98	0	0	25	75	216	70			
12				178	0	13	94	198	70				
13				0	0	0	106	200	77				
14				0	0	0	124	193	80				
15				0	0	0	136	187	74				
16				0	0	0	114	165	54				
17				0	0	0	92	125	46				
18				0	0	0	81	112	9				
19				0	0	0	87	123	0				
20				0	0	0	96	138	0				
21				0	0	0	108	157	0				
22				0	0	0	92	150	0				
23				0	152	0	134	141	0				
24				0	93	0	144	164	0				
25				0	63	5	138	150	0				
26				207	300	13	121	134	0				
27				44	60	129	96	147	0				
28				19	120	93	69	160	0				
29				8	216	73	54	162	0				
30				4		56	50	168	0				
31				0		149		150					
Sec.Ft.													
Days	0	0	0	586.0	1,510.0	1,504.0	2,982.0	4,750.0	1,465.0	0	0	0	Year Period
Mean													
Sec.Ft.	0	0	0	18.9	52.1	48.5	99.4	153.2	48.8	0	0	0	35.0
Max.													
Sec.Ft.	0	0	0	207.0	300.0	149.0	218.0	216.0	145.0	0	0	0	300.0
Min.													
Sec.Ft.	0	0	0	0	0	0	45.0	70.0	0	0	0	0	0
Total													
Ac. Ft.	0	0	0	1,162.3	2,995.1	2,983.2	5,914.8	9,421.6	2,901.9	0	0	0	25,378.9

DIVISION OF WATER RESOURCES

TABLE NO. 11 - Continued

CROCKER CUT NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	Dry	0	6	0	162	47	60	229	82	Dry	Dry	
2	0		0	0	0	181	56	74	226	90			
3	0		0	0	0	173	53	106	237	98			
4	0		0	0	0	153	52	161	250	99			
5	0		0	0	0	125	208	200	255	102			
6	0		0	0	0	101	86	257	254	90			
7	0		0	0	0	84	60	268	245	82			
8	0		0	0	0	77	46	285	191	68			
9	0		0	0	0	102	66	46	281	162			
10	0		0	0	0	191	54	77	270	174			
11	0		0	0	110	50	116	242	208	11			
12	0		0	0	350	40	83	240	225	0			
13	0		0	0	214	32	68	204	256	0			
14	0		0	0	163	35	59	169	243	0			
15	0		0	0	144	34	53	166	361	0			
16	0		0	0	111	28	50	234	257	0			
17	0		0	0	94	27	42	270	236	0			
18	0		0	0	68	26	34	279	215	0			
19	0		0	0	41	26	38	242	227	0			
20	0		0	0	30	27	45	252	228	0			
21	0		0	0	48	25	42	268	215	0			
22	0		0	0	53	22	41	286	210	0			
23	0		30	0	45	15	43	285	205	0			
24	0		7	117	112	6	48	277	196	0			
25	0		10	55	130	6	53	283	152	0			
26	15		2	27	91	5	47	288	115	0			
27	0		95	0	79	5	43	286	90	0			
28	0		147	0	79	5	46	275	66	0			
29	0		48	0	0	28	50	251	68	0			
30	0		26	0	0	34	61	248	77	0			
31	0		20	0	0	34		240		0			
Sec.Ft.	15.0	0	385.0	205.0	2,253.0	1,686.0	1,793.0	7,249.0	5,953.0	787.0	0	0	Year Period
Mean													
Sec.Ft.	0.5	0	12.4	6.6	80.5	54.4	59.8	233.8	198.4	25.4	0	0	55.7
Max.													
Sec.Ft.	15.0	0	147.0	117.0	350.0	181.0	208.0	288.0	261.0	102.0	0	0	350.0
Min.													
Sec.Ft.	0	0	0	0	0	5.0	34.0	60.0	66.0	0	0	0	0
Total													
Ac. Ft.	29.8	0	763.6	406.6	4,468.8	3,344.2	3,556.4	14,378.4	11,807.8	1,561.0	0	0	40,316.6

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	35	6	0	0	30	133	17	Dry	Dry	
2			0	25	6	0	0	50	127	15			
3			0	35	5	0	0	28	126	16			
4			0	99	0	0	0	86	31	133			
5			0	113	0	0	0	78	35	127			
6			0	116	0	0	0	60	57	120			
7			0	117	0	0	0	35	86	112			
8			0	124	0	0	0	22	122	113			
9			0	131	6	0	0	20	164	119			
10			0	132	14	0	0	20	152	126			
11			0	82	9	20	20	143	122	2			
12			0	0	8	38	20	106	113	1			
13			0	0	21	24	33	73	111	0			
14			0	0	16	17	75	98	117	0			
15			0	0	12	20	79	54	123	0			
16			0	0	0	13	48	53	115	0			
17			0	0	0	6	78	50	113	0			
18			0	0	0	0	60	66	125	0			
19			0	0	0	0	44	91	138	0			
20			0	0	0	0	50	144	156	0			
21			0	0	0	0	60	229	149	0			
22			0	0	0	0	60	218	145	0			
23			0	0	0	0	61	170	134	0			
24			0	0	0	0	55	160	102	0			
25			0	58	0	0	56	122	75	0			
26			0	39	0	0	54	126	57	0			
27			0	19	0	0	54	96	37	0			
28			0	128	0	0	52	130	18	0			
29			0	31	0	0	42	101	20	0			
30			0	11	0	0	30	91	20	0			
31			21	5	0	0		117		0			
Sec.Ft.													Year Period
Days	0	0	21.0	1,298.0	103.0	138.0	1,352.0	3,133.0	3,226.0	98.0	0	0	
Mean													
Sec.Ft.	0	0	0.7	41.9	3.7	4.5	45.1	101.1	107.5	3.2	0	0	25.7
Max.													
Sec.Ft.	0	0	21.0	132.0	21.0	38.0	86.0	229.0	156.0	17.0	0	0	229.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	28.0	18.0	0	0	0	0
Total													
Ac. Ft.	0	0	41.6	2,574.6	204.3	273.7	2,681.7	6,214.3	6,398.8	194.4	0	0	18,583.4

TABLE NO. 11 - Continued

CROCKER CUT NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	0	22	0	105	233	180	Dry	Dry	Dry	
2		0	0	0	13	0	106	233	157				
3		0	0	0	8	0	122	222	120				
4		0	0	0	6	0	124	245	90				
5		0	0	0	6	18	126	211	66				
6		0	0	0	7	58	154	214	54				
7		0	0	0	12	31	124	226	53				
8		0	0	0	28	40	126	229	67				
9		0	0	0	22	430	102	205	69				
10		0	0	0	10	370	84	201	62				
11		0	0	0	0	320	76	202	62				
12		0	0	0	0	170	69	189	50				
13		0	0	0	0	114	65	180	41				
14		0	0	0	0	82	85	196	41				
15		0	0	0	0	82	104	176	41				
16		0	0	0	0	69	105	150	46				
17		0	0	0	0	61	120	136	51				
18		0	0	0	0	337	130	121	60				
19		43	0	0	0	187	145	115	60				
20		15	0	0	0	128	140	115	50				
21		0	0	79	0	100	138	118	46				
22		0	0	435	0	91	156	134	40				
23		0	0	340	0	110	173	152	15				
24		0	85	222	17	170	195	193	0				
25		0	64	155	5	156	185	218	0				
26		0	28	105	0	150	179	226	0				
27		0	13	85	0	130	174	221	0				
28		0	0	37	0	130	212	213	0				
29		0	0	23	0	130	222	196	0				
30		0	0	37	0	142	218	167	0				
31		0	0	50	0	119		145	0				
Sec.Ft. Days	0	58.0	190.0	1,546.0	156.0	3,924.0	4,040.0	5,778.0	1,521.0	0	0	0	Year Period
Mean Sec.Ft.	0	1.9	6.1	49.9	5.6	126.6	134.7	186.4	50.7	0	0	0	47.2
Max. Sec.Ft.	0	43.0	85.0	435.0	28.0	430.0	222.0	245.0	180.0	0	0	0	435.0
Min. Sec.Ft.	0	0	0	0	0	0	63.0	115.0	0	0	0	0	0
Total Ac. Ft.	0	115.0	370.9	3,070.5	309.4	7,783.3	8,013.3	11,460.7	3,016.9	0	0	0	34,146.0

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	0	Dry	0	52	Dry	Dry	Dry	
2					0	0		21	61				
3					0	0		63	61				
4					0	33		95	54				
5					0	0		108	62				
6					0	0		117	83				
7					0	0		91	84				
8					0	0		100	96				
9					0	0		133	72				
10					0	0		123	56				
11					0	0		116	44				
12					0	0		113	29				
13					0	0		124	32				
14					0	0		141	17				
15					0	0		138	0				
16					0	0		92	0				
17					0	0		61	0				
18					0	0		49	0				
19					0	0		39	0				
20					0	0		42	0				
21					0	0		45	0				
22					11	0		56	0				
23					7	0		77	0				
24					0	0		76	0				
25					0	0		81	0				
26					0	0		73	0				
27					0	0		61	0				
28					0	0		70	0				
29					0	0		84	0				
30					0	0		64	0				
31					0	0		66	0				
Sec.Ft. Days	0	0	0	0	18.0	33.0	0	2,522.0	803.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0.6	1.1	0	81.4	26.8	0	0	0	9.2
Max. Sec.Ft.	0	0	0	0	11.0	33.0	0	141.0	96.0	0	0	0	141.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	35.7	65.5	0	5,002.4	1,592.7	0	0	0	6,696.3

DIVISION OF WATER RESOURCES

TABLE NO. 11 - Continued

CROCKER CUT NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	61	49	49	199	60	54	Dry	Dry	
2					420	48	43	213	76	49			
3					240	46	35	224	101	45			
4					67	52	31	228	148	36			
5					0	51	26	205	156	34			
6					0	46	26	198	112	19			
7					0	46	28	200	95	0			
8					0	46	32	183	93	0			
9					0	46	38	194	93	0			
10					0	44	27	213	111	0			
11					0	45	23	218	133	0			
12					0	46	20	205	163	0			
13					0	44	17	179	195	0			
14					0	47	14	168	206	0			
15					47	97	14	139	200	0			
16					88	49	17	156	187	0			
17					94	41	27	195	175	0			
18					97	38	42	179	171	0			
19					94	34	75	137	163	0			
20					88	33	96	118	146	0			
21					73	33	114	96	142	0			
22					66	33	109	78	123	0			
23					60	78	120	74	111	0			
24					60	50	117	72	89	0			
25					57	42	118	73	65	0			
26					53	189	111	66	59	0			
27					50	70	110	61	60	0			
28					50	48	114	62	58	0			
29						44	132	65	62	0			
30						42	171	65	59	0			
31						43		60		0			
Sec.Ft. Days	0	0	0	0	1,765.0	1,620.0	1,896.0	4,523.0	5,612.0	237.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	63.0	52.3	63.2	145.9	120.4	7.6	0	0	37.4
Max. Sec.Ft.	0	0	0	0	420.0	189.0	171.0	228.0	206.0	54.0	0	0	420.0
Min. Sec.Ft.	0	0	0	0	0	33.0	14.0	60.0	58.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	3,500.9	3,213.2	3,760.7	8,971.4	7,164.4	470.1	0	0	27,080.7

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	61	59	Dry	Dry	0	16	120	8	Dry	Dry	Dry	
2	0	30	53			0	0	121	12				
3	0	13	50			0	0	100	15				
4	0	4	51			0	0	102	12				
5	0	0	62			0	0	110	6				
6	0	0	48			0	0	127	0				
7	34	0	8			0	0	154	0				
8	93	0	0			0	0	150	0				
9	51	0	0			0	0	136	0				
10	45	0	0			0	0	110	0				
11	43	0	0			0	0	79	0				
12	49	0	0			0	0	72	0				
13	49	16	0			0	0	70	0				
14	42	53	0			0	0	67	0				
15	48	63	0			0	0	72	0				
16	73	59	0			0	5	61	0				
17	79	59	0			0	41	46	0				
18	67	59	0			0	57	44	0				
19	42	53	0			0	73	54	0				
20	0	50	0			0	79	65	0				
21	0	49	0			0	83	65	0				
22	0	47	121			0	83	47	0				
23	0	47	79			0	95	37	0				
24	0	47	141			0	107	28	0				
25	0	54	79			0	120	12	0				
26	0	60	0			0	139	0	0				
27	0	54	0			0	136	12	0				
28	0	50	0			0	136	7	0				
29	30	49	0			0	124	0	0				
30	292	68	0			0	9	124	0				
31	218		0			75		6					
Sec.Ft. Days	1,255.0	1,045.0	751.0	0	0	84.0	1,418.0	2,074.0	53.0	0	0	0	Year Period
Mean Sec.Ft.	40.5	34.8	24.2	0	0	2.7	47.3	66.9	1.8	0	0	0	18.3
Max. Sec.Ft.	292.0	68.0	141.0	0	0	75.0	139.0	154.0	15.0	0	0	0	292.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	2,489.3	2,072.8	1,489.6	0	0	166.6	2,812.6	4,113.8	105.1	0	0	0	13,249.8

TABLE NO. 11 - Continued

CROCKER CUT NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	Dry	Dry	Dry	Dry	Dry	0	Dry	Dry	Dry	Dry	
2		0						31					
3		0						40					
4		0						32					
5		0						35					
6		0						45					
7		0						80					
8		0						94					
9		0						20					
10		0						0					
11		0						0					
12		0						0					
13		0						0					
14		0						0					
15		0						0					
16		0						0					
17		0						10					
18		0						13					
19		0						19					
20		0						15					
21		0						8					
22		0						8					
23		285						18					
24		100						12					
25		9						9					
26		0						6					
27		0						0					
28		0						0					
29		0						0					
30		0						0					
31		0						0					
Sec.Ft. Days	0	394.0	0	0	0	0	0	495.0	0	0	0	0	Year Period
Mean Sec.Ft.	0	13.1	0	0	0	0	0	16.0	0	0	0	0	2.4
Max. Sec.Ft.	0	285.0	0	0	0	0	0	94.0	0	0	0	0	285.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	781.5	0	0	0	0	0	981.8	0	0	0	0	1,763.3

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	0	56	Dry	Dry	Dry	
2							0	0	55				
3							0	0	17				
4							0	15	0				
5							0	34	0				
6							0	79	0				
7							0	109	4				
8							0	86	60				
9							0	50	89				
10							98	20	59				
11							42	0	57				
12							13	18	58				
13							0	53	57				
14							0	80	44				
15							0	106	29				
16							0	190	26				
17							0	183	22				
18							0	153	18				
19							0	67	5				
20							0	19	0				
21							0	0	0				
22							0	0	0				
23							0	10	0				
24							0	38	0				
25							0	55	0				
26							0	77	0				
27							0	105	0				
28							0	99	0				
29							0	76	0				
30							0	78	0				
31							0	66	0				
Sec.Ft. Days	0	0	0	0	0	0	153.0	1,843.0	671.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	5.1	59.5	22.4	0	0	0	7.3
Max. Sec.Ft.	0	0	0	0	0	0	98.0	190.0	89.0	0	0	0	190.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	303.5	3,655.6	1,330.9	0	0	0	5,290.0

TABLE NO. 11 - Continued

CROCKER CUT NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	43	Dry	Dry	Dry	Dry	
2							0	58					
3							0	56					
4							0	42					
5							0	44					
6							0	46					
7							0	48					
8							0	46					
9							0	44					
10							C	23					
11							0	9					
12							2	20					
13							4	39					
14							8	87					
15							22	68					
16							13	35					
17							23	27					
18							14	36					
19							9	28					
20							7	20					
21							39	22					
22							76	32					
23							77	49					
24							75	66					
25							73	75					
26							58	80					
27							46	89					
28							58	83					
29							60	45					
30							46	12					
31								0					
Sec.Ft. Days	0	0	0	0	0	0	710.0	1,372.0	0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	23.7	44.3	0	0	0	0	5.7
Max. Sec.Ft.	0	0	0	0	0	0	77.0	89.0	0	0	0	0	89.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	1,408.3	2,721.3	0	0	0	0	4,129.6

TABLE NO. 12

TULARE IRRIGATION COMPANY CANAL NEAR HEAD

Point of diversion - Eight and one-half miles below McKey Point on the south bank of Keweah Branch in the northeast quarter of Section 20, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 200 second-feet.

Location of gaging station - 300 feet below head of canal in the northeast quarter of Section 20, Township 18 South, Range 26 East, M.D.S. and M. Map designation 12.

Description of gaging station - Open channel section, staff gage and water stage recorder, rated by frequent current meter measurements.

Operating agency - Tulare Irrigation Company.

Gross service area - 7,300 acres.

Period of record - May 1, 1917 to September 30, 1949; intermittent during 1920 prior to April 13; no records for the years ending September 30, 1919, 1922 and 1923; continuous during the year ending September 30, 1918; continuous from April 13, 1920 to September 30, 1921 and from October 1, 1923 to September 30, 1949.

Criteria governing diversions - First 30 second-feet of flow reaching the head of Tulare Irrigation Company Canal in excess of flows required to meet downstream priorities aggregating 58 second-feet; next 30 second-feet in excess of flows required to meet the sum of 30 second-feet and downstream priorities of 120 second-feet, aggregating 150 second-feet at their respective points of diversion; maximum diversion, 60 second-feet. These criteria apply only to water diverted into Keweah Branch at McKey Point. In addition to the foregoing, the Tulare Irrigation Company rediverts through this canal, water previously diverted from St. Johns Branch and conveyed to the Keweah Branch through Ketchum Ditch.

Remarks - Quantities set forth in this table include water previously diverted from St. Johns Branch and conveyed to Keweah Branch through Ketchum Ditch.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	57	80	100	67	121	34	Dry	Dry	
2				0	56	99	92	101	121	33			
3				0	61	98	90	114	111	9			
4				0	84	93	89	114	112	0			
5				0	77	90	85	108	98	0			
6				0	76	89	79	113	92	0			
7				0	79	84	78	111	90	0			
8				0	75	81	77	120	98	0			
9				0	57	80	76	126	96	0			
10				33	43	79	78	126	95	0			
11				81	46	77	78	130	99	0			
12				100	45	73	82	129	95	0			
13				98	45	71	85	126	88	0			
14				87	47	68	92	130	88	0			
15				60	64	67	103	132	88	0			
16				43	65	66	96	133	83	0			
17				19	61	66	84	127	79	0			
18				0	57	66	78	123	76	0			
19				0	49	60	60	122	76	0			
20				0	42	54	86	127	76	0			
21				0	36	63	94	134	74	0			
22				0	39	69	101	134	67	0			
23				0	88	71	116	133	61	0			
24				0	101	73	127	134	57	0			
25				0	93	74	123	132	53	0			
26				70	110	74	114	125	50	0			
27				97	96	99	89	124	42	0			
28				86	91	97	72	125	33	0			
29				80	89	88	66	125	24	0			
30				68	88	86	61	124	39	0			
31				57	102	102	121	121	0	0			
Sec.Ft. Days	0	0	0	979.0	1,929.0	2,437.0	2,673.0	3,790.0	2,382.0	76.0	0	0	Year Period
Sec.Ft. Mean	0	0	0	31.6	66.5	78.6	89.1	122.3	79.4	2.5	0	0	39.0
Sec.Ft. Max.	0	0	0	100.0	110.0	102.0	127.0	134.0	121.0	34.0	0	0	134.0
Sec.Ft. Mid.	0	0	0	0	36.0	54.0	61.0	67.0	24.0	0	0	0	0
Total Ac. Ft.	0	0	0	1,941.8	3,826.2	4,833.8	5,301.9	7,517.5	4,724.7	150.7	0	0	28,296.6

DIVISION OF WATER RESOURCES

TABLE NO. 12 - Continued

TULARE IRRIGATION COMPANY CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	29	0	87	70	76	103	75	Dry	Dry	
2			0	12	0	113	71	82	105	86			
3			0	0	0	110	71	85	107	83			
4			0	0	0	104	70	91	107	80			
5			0	0	0	66	96	98	105	80			
6			0	0	15	41	104	117	105	79			
7			0	12	48	41	102	126	106	78			
8			0	27	47	42	101	119	106	81			
9			0	15	103	43	90	113	103	85			
10			0	0	116	42	91	115	105	80			
11			0	0	119	43	94	120	106	72			
12			0	0	132	43	92	116	106	68			
13			0	0	121	43	90	115	109	67			
14			0	0	108	44	88	117	122	63			
15			0	12	103	43	87	115	123	59			
16			0	26	92	43	86	115	122	61			
17			0	0	84	43	83	123	122	56			
18			0	0	82	42	78	123	118	53			
19			0	0	78	42	70	121	117	52			
20			0	0	66	41	66	123	118	47			
21			0	0	68	41	63	124	118	45			
22			0	0	67	52	59	124	113	42			
23			36	0	66	74	66	120	113	39			
24			43	76	85	68	71	110	113	36			
25			32	81	90	64	76	103	103	34			
26			28	64	72	63	72	101	97	17			
27			63	53	71	65	73	103	77	0			
28			87	48	70	68	78	107	69	0			
29			56	35	67	78	78	106	69	0			
30			46	15	66	78	78	104	70	0			
31			43	0	70	70	70	104	70	0			
Sec.Ft. Days	0	0	436.0	505.0	1,903.0	1,814.0	2,414.0	3,416.0	3,157.0	1,618.0	0	0	Year Period
Mean Sec.Ft.	0	0	14.1	16.3	68.0	58.5	80.5	110.2	105.2	52.2	0	0	41.8
Max. Sec.Ft.	0	0	87.0	81.0	132.0	113.0	104.0	126.0	123.0	86.0	0	0	132.0
Min. Sec.Ft.	0	0	0	0	0	41.0	59.0	76.0	69.0	0	0	0	0
Total Ac. Ft.	0	0	864.8	1,001.7	3,774.6	3,598.1	4,788.2	6,775.6	6,261.9	3,209.3	0	0	30,274.2

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	53	Dry	0	11	0	58	57	114	62	Dry	Dry	
2	0	56		0	10	0	67	57	120	62			
3	0	79		0	10	0	68	56	118	64			
4	0	78		0	9	0	83	57	120	63			
5	0	73		0	8	0	100	57	122	65			
6	0	64		0	8	0	80	68	123	64			
7	0	34		0	8	24	68	101	123	61			
8	0	67		0	7	37	67	132	125	59			
9	0	58		0	7	33	67	132	131	57			
10	0	46		0	8	33	69	130	133	54			
11	0	14		0	25	64	73	128	134	48			
12	9	0		0	12	78	71	110	134	42			
13	12	0		0	0	65	73	92	131	37			
14	14	0		0	0	64	80	89	128	36			
15	12	0		0	0	68	84	87	128	37			
16	11	0		0	0	73	70	82	125	36			
17	8	0		0	0	66	88	74	121	15			
18	9	0		0	0	66	78	62	119	0			
19	11	0		0	0	68	70	91	116	0			
20	23	0		0	0	68	79	119	112	0			
21	37	0		0	0	68	79	131	109	0			
22	39	0		0	0	58	79	129	108	0			
23	32	0		0	0	47	79	128	104	0			
24	37	0		0	0	45	78	130	94	0			
25	42	0		42	0	44	75	135	83	0			
26	50	0		43	0	44	70	137	79	0			
27	52	0		27	0	41	69	134	71	0			
28	74	0		28	0	35	69	134	70	0			
29	60	0		29	0	35	64	129	64	0			
30	56	0		36	0	36	57	119	63	0			
31	53			22		42		111		0			
Sec.Ft. Days	641.0	622.0	0	227.0	123.0	1,302.0	2,212.0	3,198.0	3,322.0	862.0	0	0	Year Period
Mean Sec.Ft.	20.7	20.7	0	7.3	4.4	42.0	73.7	103.2	110.7	27.8	0	0	34.3
Max. Sec.Ft.	74.0	79.0	0	43.0	25.0	78.0	100.0	137.0	134.0	65.0	0	0	137.0
Min. Sec.Ft.	0	0	0	0	0	0	57.0	56.0	63.0	0	0	0	0
Total Ac. Ft.	1,271.4	1,233.7	0	450.2	243.9	2,582.5	4,387.5	6,343.2	6,589.2	1,710.0	0	0	24,811.6

TABLE NO. 12 - Continued

TULARE IRRIGATION COMPANY CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	40	72	64	112	128	114	61	Dry	Dry	
2		0	0	39	70	70	112	128	110	58			
3		0	0	38	69	73	111	127	103	57			
4		0	0	38	35	73	111	128	96	58			
5		0	0	37	0	77	111	124	85	57			
6		0	0	37	15	79	112	124	80	56			
7		0	0	38	71	75	108	123	79	52			
8		0	0	38	72	75	108	123	86	49			
9		0	0	36	70	120	106	118	87	20			
10		0	0	35	66	134	104	116	85	0			
11		0	0	34	64	119	105	116	86	22			
12		0	0	32	65	103	103	115	81	44			
13		0	0	28	69	100	102	114	74	41			
14		0	0	24	69	100	98	110	75	37			
15		0	0	23	69	98	96	106	76	37			
16		0	0	23	68	94	96	103	74	33			
17		0	0	25	66	96	96	100	76	22			
18		0	0	22	64	119	94	98	76	0			
19		6	0	22	63	95	92	98	74	0			
20		21	0	19	63	50	90	98	70	0			
21		23	0	18	63	47	87	98	70	0			
22		0	0	97	66	35	94	103	66	0			
23		0	0	115	66	0	119	109	67	0			
24		0	83	114	70	27	123	113	70	0			
25		0	111	90	70	121	123	116	68	0			
26		0	94	65	68	116	122	116	68	0			
27		0	71	64	68	115	123	115	66	0			
28		0	44	57	65	115	127	118	65	0			
29		0	44	69	0	115	126	117	65	0			
30		0	44	77	0	115	126	115	63	0			
31		0	42	75	0	110	0	111	0	0			
Sec.Ft. Days	0	50.0	533.0	1,467.0	1,736.0	2,228.0	3,237.0	3,526.0	2,355.0	704.0	0	0	Year Period
Mean Sec.Ft.	0	1.7	17.2	47.3	62.0	88.0	107.9	113.7	78.5	22.7	0	0	44.8
Max. Sec.Ft.	0	23.0	111.0	115.0	72.0	134.0	127.0	128.0	114.0	61.0	0	0	134.0
Min. Sec.Ft.	0	0	0	18.0	0	0	87.0	98.0	63.0	0	0	0	0
Total Ac. Ft.	0	99.2	1,057.2	2,909.8	3,443.4	5,411.0	6,420.6	6,993.8	4,671.1	1,396.4	0	0	2,402.5

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	50	0	0	0	39	51	111	60	Dry	Dry	
2		0	48	0	0	0	39	68	107	53			
3		0	48	0	0	0	51	68	99	49			
4		0	48	0	0	0	60	100	108	47			
5		0	49	0	0	56	59	123	108	43			
6		0	53	0	0	83	50	127	122	38			
7		0	52	0	0	61	43	123	127	36			
8		0	51	0	0	45	43	119	125	36			
9		0	45	0	0	39	49	120	109	20			
10		0	43	0	0	39	45	119	83	0			
11		0	43	0	0	40	39	119	78	0			
12		9	48	0	0	40	43	121	77	0			
13		20	46	0	0	46	45	125	79	0			
14		23	45	0	0	51	38	129	78	0			
15		23	31	0	0	44	30	127	73	0			
16		25	0	0	0	38	30	112	70	0			
17		26	0	0	0	38	30	89	67	0			
18		31	0	0	0	39	15	82	63	0			
19		37	0	0	0	39	0	67	58	0			
20		49	0	0	0	39	15	82	53	0			
21		57	0	0	0	38	49	83	53	0			
22		63	0	0	18	38	35	84	55	0			
23		61	0	0	57	37	33	97	52	0			
24		60	0	24	24	38	32	111	51	0			
25		58	0	24	0	38	34	110	51	0			
26		56	0	0	0	38	33	110	51	0			
27		54	0	0	0	37	38	108	52	0			
28		52	0	0	0	37	48	110	56	0			
29		51	0	0	0	37	56	118	62	0			
30		51	0	0	0	38	47	114	62	0			
31		0	0	0	0	39	0	114	0	0			
Sec.Ft. Days	0	806.0	700.0	48.0	99.0	1,152.0	1,168.0	3,230.0	2,340.0	382.0	0	0	Year Period
Mean Sec.Ft.	0	26.9	22.6	1.5	3.4	37.2	38.9	104.2	78.0	12.3	0	0	27.1
Max. Sec.Ft.	0	63.0	53.0	24.0	57.0	83.0	60.0	129.0	127.0	60.0	0	0	129.0
Min. Sec.Ft.	0	0	0	0	0	0	0	51.0	51.0	0	0	0	0
Total Ac. Ft.	0	1,598.7	1,368.4	95.2	196.4	2,285.0	2,316.7	6,406.7	4,641.4	757.7	0	0	19,686.2

TABLE NO. 12 - Continued

TULARE IRRIGATION COMPANY CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	Dry	Dry	0	47	85	115	81	78	Dry	Dry	
2		0			86	46	81	120	84	77			
3		0			116	45	76	126	91	74			
4		0			99	46	75	140	107	72			
5		0			95	46	73	138	117	70			
6		0			87	44	74	137	112	68			
7		0			77	44	74	134	108	68			
8		0			73	45	75	129	108	65			
9		0			69	43	76	124	107	68			
10		0			66	43	73	134	110	69			
11		0			62	41	72	135	113	52			
12		42			59	41	71	136	119	50			
13		62			40	69	71	135	125	49			
14		25			54	43	68	129	124	48			
15		17			59	87	67	127	126	44			
16		10			46	103	68	132	131	39			
17		10			46	105	69	137	134	35			
18		18			48	103	71	133	135	33			
19		30			55	99	74	126	135	11			
20		27			59	98	105	116	134	0			
21		27			53	80	120	88	134	0			
22		18			48	59	118	71	128	0			
23		13			49	85	116	70	122	0			
24		13			50	96	113	79	93	0			
25		13			49	94	117	87	84	0			
26		13			48	105	121	86	75	0			
27		13			47	96	117	85	73	0			
28		5			48	93	117	84	74	0			
29		0			0	107	120	83	80	0			
30		0			0	90	119	84	79	0			
31		0			0	88	81	81	0	0			
Sec. Ft. Dey	0	354.0	0	0	1,701.0	2,200.0	2,674.0	3,503.0	3,245.0	1,070.0	0	0	Year Period
Mean Sec. Ft.	0	11.8	0	0	60.7	71.0	89.1	113.0	108.2	34.5	0	0	40.4
Max. Sec. Ft.	0	62.0	0	0	116.0	107.0	121.0	140.0	135.0	78.0	0	0	140.0
Min. Sec. Ft.	0	0	0	0	0	40.0	67.0	70.0	73.0	0	0	0	0
Total Ac. Ft.	0	702.0	0	0	3,373.9	4,363.7	5,303.9	6,948.2	6,436.5	2,122.3	0	0	29,250.7

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	75	45	72	0	0	65	106	71	Dry	Dry	Dry	
2	0	70	14	58	0	0	62	112	71				
3	0	67	9	50	0	0	59	109	72				
4	0	65	9	49	0	0	58	104	70				
5	0	63	15	52	0	0	61	95	68				
6	0	61	12	55	0	0	61	104	65				
7	16	30	8	50	0	0	60	125	65				
8	85	0	7	46	0	0	62	123	62				
9	49	0	0	44	0	0	62	122	62				
10	25	0	0	42	0	0	62	110	61				
11	11	0	0	41	0	0	64	83	58				
12	10	0	0	40	0	15	67	77	57				
13	9	0	0	39	0	32	69	77	58				
14	7	0	0	38	0	28	69	69	58				
15	14	0	0	37	0	33	70	65	55				
16	29	0	0	15	12	36	72	71	46				
17	42	0	0	0	36	36	74	71	40				
18	31	0	0	0	30	36	73	71	39				
19	37	0	0	0	28	36	84	72	36				
20	67	0	0	0	11	40	94	73	36				
21	57	0	0	0	0	42	92	84	35				
22	49	0	55	0	0	42	95	87	34				
23	39	0	104	0	0	41	94	74	18				
24	33	0	93	0	0	41	111	64	0				
25	30	0	99	0	0	39	108	70	0				
26	25	0	98	0	0	36	91	69	0				
27	22	0	86	0	0	35	91	70	0				
28	20	0	80	0	0	36	89	69	0				
29	36	0	78	0	0	41	86	68	0				
30	93	35	77	0	0	61	92	66	0				
31	83	0	75	0	0	68	68	68	0				
Sec. Ft. Dey	919.0	466.0	964.0	728.0	111.0	774.0	2,297.0	2,628.0	1,237.0	0	0	0	Year Period
Mean Sec. Ft.	29.6	15.5	31.1	23.5	4.0	25.0	76.6	84.8	41.2	0	0	0	27.7
Max. Sec. Ft.	93.0	75.0	104.0	72.0	30.0	68.0	111.0	125.0	72.0	0	0	0	125.0
Min. Sec. Ft.	0	0	0	0	0	0	58.0	64.0	0	0	0	0	0
Total Ac. Ft.	1,822.8	924.3	1,912.2	1,444.0	220.2	1,535.2	4,556.1	5,212.7	2,453.6	0	0	0	20,081.1

TABLE NO. 12 - Continued

TULARE IRRIGATION COMPANY CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	75	Dry	0	28	30	52	45	Dry	Dry	Dry	
2		0	80		0	30	32	87	40				
3		0	72		0	34	31	90	42				
4		0	72		0	33	27	84	45				
5		0	72		0	32	29	76	41				
6		0	59		0	31	32	91	40				
7		0	87		0	30	31	96	42				
8		0	82		0	30	31	94	41				
9		0	72		0	30	32	81	42				
10		0	63		0	29	33	68	39				
11		0	56		0	30	33	61	35				
12		0	52		0	30	34	56	34				
13		0	48		0	30	35	63	24				
14		0	44		0	30	30	41	0				
15		0	46		0	30	50	56	0				
16		0	44		0	30	60	64	0				
17		0	42		18	31	65	72	0				
18		0	39		35	30	67	75	0				
19		0	36		31	30	70	75	0				
20		8	23		30	31	74	78	0				
21		0	0		30	31	69	72	0				
22		0	0		29	31	62	68	0				
23		47	0		28	32	52	69	0				
24		53	0		28	33	36	66	0				
25		28	0		28	30	31	65	0				
26		53	0		28	29	30	61	0				
27		84	0		28	29	31	60	0				
28		81	0		28	29	34	62	0				
29		76	0		0	29	34	59	0				
30		74	0		0	28	35	56	0				
31		0	0		0	28	52	52	0				
Sec.Ft.	0	514.0	1,174.0	0	341.0	938.0	1,249.0	2,170.0	510.0	0	0	0	Year Period
Mean	0	17.1	37.9	0	12.2	30.3	41.6	70.0	17.0	0	0	0	18.9
Max.	0	84.0	97.0	0	35.0	34.0	74.0	96.0	45.0	0	0	0	97.0
Min.	0	0	0	0	0	28.0	27.0	52.0	0	0	0	0	0
Total	0	1,019.5	2,328.6	0	676.4	1,860.5	2,477.4	4,304.2	1,011.6	0	0	0	13,678.2

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	46	70	15	Dry	Dry	
2							0	36	71	0			
3							0	35	71	0			
4							20	46	77	0			
5							9	61	74	0			
6							0	78	73	0			
7							0	104	72	0			
8							0	102	77	0			
9							0	89	68	0			
10							77	75	75	0			
11							109	69	68	0			
12							99	68	73	0			
13							77	69	73	0			
14							56	78	71	0			
15							38	90	68	0			
16							42	102	67	0			
17							52	132	66	0			
18							60	129	67	0			
19							63	97	69	0			
20							65	88	70	0			
21							67	81	69	0			
22							65	69	69	0			
23							62	72	68	0			
24							53	78	63	0			
25							49	87	62	0			
26							49	103	59	0			
27							54	111	49	0			
28							65	103	45	0			
29							66	98	37	0			
30							62	97	35	0			
31							0	86	0	0			
Sec.Ft.	0	0	0	0	0	0	1,359.0	2,561.0	1,998.0	15.0	0	0	Year Period
Mean	0	0	0	0	0	0	45.3	83.3	66.6	0.5	0	0	16.3
Max.	0	0	0	0	0	0	109.0	132.0	88.0	15.0	0	0	132.0
Min.	0	0	0	0	0	0	0	35.0	35.0	0	0	0	0
Total	0	0	0	0	0	0	2,695.6	5,119.4	3,993.0	29.8	0	0	11,807.8

DIVISION OF WATER RESOURCES

TABLE NO. 12 - Continued

TULARE IRRIGATION COMPANY CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	72	58	Dry	Dry	Dry	
2							0	76	63				
3							0	70	68				
4							0	60	63				
5							0	60	60				
6							0	63	57				
7							0	65	62				
8							0	64	66				
9							0	64	68				
10							17	62	66				
11							28	63	58				
12							42	67	54				
13							53	68	43				
14							63	68	38				
15							66	62	24				
16							60	63	0				
17							65	64	0				
18							64	67	0				
19							62	65	0				
20							59	64	0				
21							64	64	0				
22							72	64	0				
23							74	66	0				
24							75	69	0				
25							77	69	0				
26							74	70	0				
27							70	72	0				
28							72	79	0				
29							74	70	0				
30							75	66	0				
31								61	0				
Sec.Ft. Days	0	0	0	0	0	0	1,306.0	2,055.0	848.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	43.5	66.3	28.3	0	0	0	11.5
Max. Sec.Ft.	0	0	0	0	0	0	77.0	76.0	68.0	0	0	0	77.0
Min. Sec.Ft.	0	0	0	0	0	0	0	60.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	2,590.5	4,076.1	1,682.0	0	0	0	8,348.6

TABLE NO. 13

FLEMING DITCH NEAR HEAD

Point of diversion - Nine and one-half miles below McKay Point on the north bank of Keweeh Branch in the northeast quarter of Section 19, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 26 second-feet.

Location of gaging station - 300 feet below head of canal in the northeast quarter of Section 19, Township 18 South, Range 26 East, M.D.B. and M. Map designation 13.

Description of gaging station - Open channel section, staff gage and water stage recorder, read by frequent current meter measurements.

Operating agency - Fleming Ditch Company.

Gross service area - 1,700 acres.

Period of record - 1917-1949; intermittent during 1917 and 1920; no record during 1919 and 1923; continuous from April 13, 1920 to September 30, 1922 and from October 1, 1923 to September 30, 1949.

Criteria governing diversion - First 6 second-feet reaching the head of Fleming Ditch; next 2 second-feet in excess of flows required to meet the sum of 6 second-feet and downstream priorities of 69 second-feet, aggregating 75 second-feet at their respective points of diversion; next 4 second-feet in excess of flows required to meet the sum of 8 second-feet and downstream priorities of 92 second-feet, aggregating 100 second-feet at their respective points of diversion; maximum diversion, 12 second-feet. Water reaching the head of Fleming Ditch includes Keweeh Branch water and water previously diverted from St. Johns Branch by Visalle and Keweeh Water Company and conveyed to the Keweeh Branch through Ketchum Ditch. (See Table No. 21). These criteria do not apply to water previously diverted from St. Johns Branch by Peckwood Canal Company and conveyed to Keweeh Branch through Peckwood Canal.

Diversion in second-foot for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry			0	1.5	2	16	10	9	7.5		Dry	
2		Dry		0	2	1.3	11.5	13	8.5	7			
3				0	4.2	1	9.5	16	3	7			
4				0	8.5	0	8.5	15.5	0	8			
5				0	3.5	0	8	15.5	0	8.5			
6				0	2.5	0	0	14	1	9.5			
7				0	2	0	4.5	13	3	9.5			
8				1	1	0	7	13	5	9			
9				2	1.5	1	8	14.5	7.5	9			
10				1.5	2	1.5	8	16	11	8.5			
11				9.5	1.5	1.5	8.5	17.5	9.5	8			
12				8	1.5	1.3	10	18.5	8	7.5			
13				0	1	1.2	13	19	7.5	6.5			
14				0	3	1.2	14	19	7.5	6.5			
15				0	3.2	1.2	14	17.5	8	6.5			
16				0	1.5	1	12	18	8	6			
17				1.7	1	1	10	14.5	7	7			
18				3	1	1	8	10	6	7.5			
19				2.3	1	2.5	7.5	10	6	7			
20				2.2	1	6.5	10	10	6.5	6.5			
21				3.5	1.3	8	12.5	11	6.5	6			
22				4.5	1	8	12.5	11.5	7.5	5.5			
23				4.3	7	7.5	13	11.5	7.5	5.5			
24				4.3	6	6	12.5	12	7.5	4.5			
25				4.6	3.8	6.5	12	12.5	7.5	4.5			
26				11	7.5	7	11	11.5	7.5	4.5			
27				3.2	2.5	11.5	11	10	7.5	4			
28				1	1.5	9	10	10	7.5	3.5			
29				1	2	7.5	7.5	8	8	3.5			
30				1	5.5	8.5	8.5	7	8.5	3.5			
31				1.5		12		7.5		1			
Sec.Ft. Days Mean	0	0	0	71.1	77.0	113.7	304.5	407.0	197.5	198.5	0	0	Year Period
Sec.Ft. Max.	0	0	0	2.3	2.7	3.7	10.1	13.1	6.0	6.4	0	0	3.7
Sec.Ft. Min.	0	0	0	11.0	8.5	12.0	14.0	19.0	11.0	9.5	0	0	19.0
Sec.Ft. Total	0	0	0	0	1.0	0	4.5	7.0	0	1.0	0	0	0
Ac. Ft.	0	0	0	141.0	152.7	225.5	604.0	807.3	391.8	393.7	0	0	2,716.0

TABLE NO. 13 - Continued

FLEMING DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	10.5	5.5	5.5	13	9.5	9	7	5	
2			0	0	10.5	5.5	10.5	11.5	10	9.5	7.5	4.5	
3			0	0	10.5	5	10.5	12	10.5	10.5	8	2	
4			0	0	10.5	4	10	12.5	11.5	10.5	8	0	
5			0	0	10.5	7	19	12.5	11.5	10.5	8	0	
6			0	0	10	8	13.5	14	13	10.5	7.5	0	
7			0	0	7.5	8	6	15	12	10	8.5	0	
8			0	0	7.5	7.5	0	15	8	10.5	8.5	0	
9			0	0	16	7	0	10.5	5	11	8.5	0	
10			0	0	13	6	0	11	9.5	10.5	8.5	0	
11			0	0	2	5.5	0	12	12.5	10.5	8.5	0	
12			0	0	2.5	5	1	10	11.5	11	8	0	
13			0	0	0	4.5	2	6.5	9.5	10	7.5	0	
14			0	0	0	5.5	1.5	5.5	9.5	10	7.5	0	
15			0	0	0	6	3.5	4.5	10	8.5	7	0	
16			0	2	0	6	3	4.5	9.5	7.5	7	0	
17			0	4.5	0	6	5	5	10	7.5	7	0	
18			0	4.5	0	6.5	5.5	6.5	8.5	7.5	8.5	0	
19			0.5	4.5	0	6.5	5.5	5	8.5	7.5	7	0	
20			0	4	0.5	7	5.5	5.5	10	7.5	7	0	
21			0	4	3.5	6.5	5.5	6.5	8.5	7.5	5	0	
22			0	5	3	6	5.5	7.5	6.5	7.5	4.5	0	
23			0	4.5	2	6	6	7	7	8	4	0	
24			0	8.5	4	6	6	7	8	8	4	0	
25			0	4.5	4	6	5	6	9	8	3.5	0	
26			0	3.5	2	6	4	6.5	10.5	7	3.5	0	
27			0	2.5	0	5	4	10	9.5	5.5	4	0	
28			0	2	0.5	4	6	10.5	7	6	5	0	
29			0	1.5	0	4	12	9.5	8	6	5.5	0	
30			0	7	0	3	15.5	11.5	8.5	6	5.5	0	
31			0	10.5	0	2.5	0	9.5	6.5	5.5	5.5	0	
Sec.Ft. Days	0	0	3.5	73.0	130.5	176.0	173.5	286.0	281.5	266.5	207.0	11.5	Year Period
Mean Sec.Ft.	0	0	0.1	2.4	4.7	5.7	5.8	9.2	9.4	8.6	6.7	0.4	4.4
Max. Sec.Ft.	0	0	2.0	10.5	16.0	8.0	19.0	15.0	13.0	11.0	9.0	5.0	19.0
Min. Sec.Ft.	0	0	0	0	0	2.5	0	4.5	5.0	5.5	3.5	0	0
Total Ac. Ft.	0	0	0.9	144.8	258.9	349.1	344.1	567.3	558.4	528.6	410.6	22.8	3,191.5

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	2.6	7.5	11.9	8.8	5.6	4.4	Dry	
2					0	2.7	7.8	12	11.2	5.3	5.2		
3					0	2.8	8.1	11.5	8.8	5.2	5.4		
4					0	2.8	10.9	11.9	8.6	5.3	5.2		
5					0	2.6	11	12.3	8.5	5.4	5		
6					0	2	9.8	13.6	8.4	5.9	5.3		
7					3	2.5	8.4	14.7	8	5.9	5.2		
8					2.3	3.7	8.3	13.3	7.6	8.5	5.6		
9					2.7	4.6	8	13	7.7	6.9	6.4		
10					2.7	4.6	7.9	11	8.2	6.2	6.3		
11					2.3	7	4.9	8.9	10	8.3	6.6	6.7	
12					2.2	7	8.9	9.6	9	6.7	6.4	6.4	
13					2.3	8.9	8.7	11.7	8.9	6.8	6.3	6.3	
14					1.9	8.7	9.9	11.6	8.6	7	7.8	6.8	
15					1.8	9.1	10.6	9.6	8.6	6.6	6.8	6.8	
16					1.7	8.4	10.7	6.9	8.2	5.6	4.3	4.3	
17					2	7.4	9.4	9.4	8.4	5.6	2.5	2.5	
18					2.6	7.1	10	10.3	8.7	6.1	0	0	
19					2.3	6.8	10.7	11.7	8.2	6.6	0	0	
20					1.8	6.5	11.5	13.3	8.1	8.6	0	0	
21					1.4	6.2	11.3	14.4	7.5	10	0	0	
22					1.9	6.2	11.4	14.2	7.4	10	0	0	
23					1.8	6.2	12.8	12.5	7.2	10.1	0	0	
24					2	6.1	13.4	12.7	6.4	9.9	0	0	
25					2.8	6	13.7	10.8	6.9	9.9	0	0	
26					2.7	5.9	13.3	9.7	7.3	9.8	0	0	
27					2.5	5.9	10.3	9.3	7.1	8.3	0	0	
28					2.5	6	11.7	7.6	7.1	6.4	0	0	
29					6.1	6.1	11.7	0	5.2	6.4	0	0	
30					6.4	6.4	11.5	6	6.2	6.3	0	0	
31					6.8	6.8	7	7	5	5	0	0	
Sec.Ft. Days	0	0	0	0	49.2	173.4	309.3	333.5	239.1	218.5	91.8	0	Year Period
Mean Sec.Ft.	0	0	0	0	1.8	5.6	10.3	10.8	8.0	7.0	3.1	0	3.9
Max. Sec.Ft.	0	0	0	0	3.0	9.1	13.7	14.7	11.2	10.1	7.8	0	14.7
Min. Sec.Ft.	0	0	0	0	0	2.0	7.5	0	5.2	5.0	0	0	0
Total Ac. Ft.	0	0	0	0	97.6	343.9	613.5	661.5	474.3	433.4	188.0	0	2,812.2

TABLE NO. 13 - Continued

FLEMING DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1			0	0.5	Dry	0	0	8.5	0	5.8	7.5	Dry	
2	Dry	Dry	0	0.5	0	0	0	9	3.7	7.7	7.6		
3			0	0	0	0	4.5	8.2	6.3	7.6	7.3		
4			0	0	0	0	7.5	9.8	8.5	5.8	7.2		
5			0	0	0	0	6.5	2.8	9	5.7	5.3		
6			0	0	0	0	2	0	8.5	5.5	6.8		
7			0	0	0	0	0	0	9.5	5.4	5.6		
8			0	0	0	0	0	0	9.2	5.3	6.4		
9			0	0	0	9.5	0	0	7.6	5.4	6		
10			0	0	0	24	0	0	7.3	5.3	5.2		
11			0	0	0	22	0	0	7.3	5	4.2		
12			0	0	0	11.5	0	0	5	5.3	3		
13			0	0	0	7	0	0	0	5.1	2		
14			0	0	0	6	0	0	4	5.1	1		
15			0	0	0	5	1	0	3	5.4	1.6		
16			0	0	0	3	1	0	2	5.7	0.6		
17			0	0	0	2	0	0	1	5.8	0		
18			0	0	0	20	0	0	0	7.1	0		
19			0	0	0	15	0	0	6.2	7.4	0		
20			0	0	0	13	0	5.3	9.3	7.5	0		
21			0	5	0	7.5	0	11	9.2	7.4	0		
22			0	26	0	5	1.5	11.7	7	7.4	0		
23			0	22	0	4.5	0	11.5	4.5	7.4	0		
24			4	0	0	1.5	0	12.5	4.5	7.3	0		
25			2	0	0	0	0	11	4.3	7.2	0		
26			0	0	0	0	2	10.5	5	7.1	0		
27			0	0	0	0	3.5	10	6.5	8.2	0		
28			1.3	0	0	0	5.5	9.5	6.9	4	0		
29			1.3	0	0	0	7	9	7.5	5	0		
30			1	0	0	0	7.3	7.7	6.9	6.8	0		
31			0.5	0	0	0	0	6	6	0.9	0		
Sec.Ft. Days	0	0	10.1	54.0	0	156.5	49.3	154.0	169.7	193.6	77.3	0	Year Period
Mean Sec.Ft.	0	0	0.3	1.7	0	5.0	1.6	5.0	5.7	6.2	2.5	0	2.4
Max. Sec.Ft.	0	0	4.0	26.0	0	24.0	7.5	12.5	9.5	8.2	7.6	0	26.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	4.0	0	0	0
Total Ac. Ft.	0	0	20.0	107.1	0	310.4	97.8	305.5	336.6	384.0	153.3	0	1,714.7

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1			Dry	Dry	Dry	0	7	6.8	2	3.9	4	Dry	
2	Dry	Dry	Dry	Dry	Dry	0	7.3	8.6	0	3.9	0		
3			0	0	0	0	7.4	10	0	5.8	0		
4			0	0	0	0	7	10.8	0	6.4	0		
5			0	0	0	0	6.6	11.1	0	6.4	0		
6			0	0	0	0	6.6	10.8	3	6.2	0		
7			0	0	0	0	7	9.9	9.4	6.2	0		
8			0	0	0	0	5	8.8	10.6	6.4	0		
9			0	0	0	0	0	10.4	7.6	6.6	0		
10			0	0	0	0	5.2	10.1	6.9	8	0		
11			0	0	0	0	4.1	9.6	7.6	7.8	0		
12			0	0	0	0	4.5	10	8.3	7.5	0		
13			0	0	0	0	4.1	10.4	8	7.4	0		
14			0	0	0	0	5	8	8.3	7	0		
15			0	0	0	0	4.9	8.3	8.4	6.2	0		
16			0	0	0	0	5	11	7.6	6.6	0		
17			0	0	0	0	5	10.3	6.3	6.3	0		
18			0	0	0	0	5.9	5.2	9.6	5.5	2.8	0	
19			0	0	0	0	9.5	6.4	9.7	6	3.2	0	
20			0	0	0	0	9.3	7	10.8	6.7	2.8	0	
21			0	0	0	0	7.9	5.8	11.1	6.4	3.1	0	
22			0	0	0	0	7	6.4	11.5	6	3.2	0	
23			0	0	0	0	6.6	7	12	2.5	3.2	0	
24			0	0	0	0	6.8	6.6	11.6	2.3	3.2	0	
25			0	0	0	0	7	5.6	12.5	2.4	3	0	
26			0	0	0	0	7	5.2	13	3	3.7	0	
27			0	0	0	0	6.9	5.4	7.1	2.5	5.4	0	
28			0	0	0	0	6.6	5.6	0	2.6	5	0	
29			0	0	0	0	6.6	5	5.5	2.2	5.4	0	
30			0	0	0	0	6.6	5.8	7.6	4.1	5	0	
31			0	0	0	0	6.8	7.7	7.7	4.8	0	0	
Sec.Ft. Days	0	0	0	0	0	100.5	168.7	294.6	146.2	162.4	4.0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	3.2	5.6	9.5	4.9	5.2	0.1	0	2.4
Max. Sec.Ft.	0	0	0	0	0	9.5	7.4	13.0	10.6	8.0	4.0	0	13.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	2.8	0	0	0
Total Ac. Ft.	0	0	0	0	0	199.4	334.6	584.3	290.0	322.1	7.9	0	1,738.3

TABLE NO. 13 - Continued

FLEMING DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	0	8	6.3	8.2	Dry	
2							0	0	8.8	8	8		
3							0	0	9.8	9.2	8.8		
4							0	0	9.8	7.5	8.8		
5							4	0	9.7	6.2	8.2		
6							6.6	0	9.2	5.5	6		
7							6.7	5.8	8.6	5.7	6.8		
8							6.8	8.9	8.5	5.4	5.2		
9							7.2	9.5	8.2	5.7	4.6		
10							6.9	10.3	7.8	5.7	3.3		
11							6.8	9.8	8.6	4.3	1		
12							6.6	9.2	8.2	1.2	1		
13							6.6	9.1	11.7	4.6	1		
14							6.8	8.8	14.2	6.2	0.7		
15							3.2	9.1	14.4	6	0.3		
16							0	9.4	13.6	6	0		
17							0	10	12	5.8	0		
18							0	10	10.5	5.7	0		
19							0	9	10.6	7.2	0		
20							0	7.5	10.8	6.7	0		
21							0	6.4	10.6	6.6	0		
22							0	8.4	10.1	6.6	0		
23							0	8.2	9.5	6.7	0		
24							0	8.6	9.2	7.3	0		
25							0	8.4	10.2	8	0		
26							0	8	10.2	7.6	0		
27							0	8	10.3	7.4	0		
28							0	7.8	10.2	8.6	0		
29							0	7	9.6	9	0		
30							0	6.5	6.8	8.8	0		
31							0	7.4	8	8.8	0		
Sec.Ft. Days	0	0	0	0	0	0	68.2	211.1	299.7	204.3	71.9	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	2.3	6.8	10.0	6.6	2.3	0	2.3
Max. Sec.Ft.	0	0	0	0	0	0	7.2	10.3	14.4	9.2	8.8	0	14.4
Min. Sec.Ft.	0	0	0	0	0	0	0	0	6.8	1.2	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	135.3	418.7	594.5	405.2	142.6	0	1,696.3

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	0	5.8	3.5	8	Dry	Dry	
2						0	0	7.4	3.5	9.4			
3						0	0	7.9	3.3	10.3			
4						0	0	8.4	3.5	9.8			
5						0	0	8.6	6.4	8.5			
6						0	0	9	6.5	5.8			
7						0	0	9.8	7.3	5			
8						0	0	9.9	7.3	5.8			
9						0	0	9.7	5.6	5.4			
10						0	0	8.6	5.2	7			
11						0	0	8.8	5.1	6.6			
12						0	0	8.8	5.6	5.5			
13						0	0	7.7	1.7	6.7			
14						0	0	6.8	0	5.2			
15						0	0	6.9	4	3.3			
16						0	0	7.6	6.3	3.7			
17						0	0	8.4	6.3	4.6			
18						0	0	8.5	5.8	3.9			
19						0	0	8.8	5.8	1.2			
20						0	0	9.3	6.3	0			
21						3	0	9.8	5.5	0			
22						4.6	0	9	4.9	0			
23						4.7	1.5	7.9	7.5	0			
24						4.7	6.6	7.4	9	0			
25						4.6	7.6	7.4	8.7	0			
26						4.8	9.5	6.6	8.4	0			
27						5	9.8	2.8	8	0			
28						4.7	8	1	6.4	0			
29						4.6	7.7	1	5.7	0			
30						1.1	6.8	3.1	5.1	0			
31						0	0	3.5	0	0			
Sec.Ft. Days	0	0	0	0	0	41.8	57.5	226.2	168.2	115.7	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	1.3	1.9	7.3	5.6	3.7	0	0	1.7
Max. Sec.Ft.	0	0	0	0	0	5.0	9.8	9.9	9.0	10.3	0	0	10.3
Min. Sec.Ft.	0	0	0	0	0	0	0	1.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	82.9	114.0	448.7	333.6	229.5	0	0	1,208.7

TABLE NO. 13 - Continued

FLEMING DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	4.8	4.1	5.1	Dry	Dry	
2							0	5.6	4.7	5.7			
3							0	6.1	4.1	4.9			
4							0	5.7	1.9	5.1			
5							0	5.5	2.2	5.9			
6							0	5.6	5.3	6.1			
7							0	5.4	6.2	5.3			
8							0	4.9	6.3	0.8			
9							0	4	6.4	0			
10							0	3.5	6.3	0			
11							0	3.5	6.3	0			
12							0	3.4	6.7	0			
13							0	4.3	7.3	0			
14							0	4.9	8.4	0			
15							0	4.5	7.4	0			
16							0	5.8	7.7	0			
17							0	6.1	7.7	0			
18							0	5.9	7.3	0			
19							0	4.9	7.3	0			
20							0	4.6	6.6	0			
21							0	5.3	6.3	0			
22							0	6.3	6.7	0			
23							0	7.2	7.4	0			
24							3.1	6.7	7	0			
25							3	6.9	5.7	0			
26							2.8	6.7	5.9	0			
27							3	6.9	5.7	0			
28							3.6	8.2	5.5	0			
29							3.8	3	6.6	0			
30							4.1	2.4	4.9	0			
31								4.4		0			
Sec.Ft. Days	0	0	0	0	0	0	25.4	163.0	181.6	38.9	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	0.8	5.3	6.1	1.3	0	0	1.1
Max. Sec.Ft.	0	0	0	0	0	0	4.1	8.2	8.4	6.1	0	0	8.4
Min. Sec.Ft.	0	0	0	0	0	0	0	2.4	1.9	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	50.4	323.3	360.2	77.2	0	0	811.1

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	4	7.6	0	5.6	Dry	Dry	
2						0	4.1	7.7	5.4	5.6			
3						0	4.3	7.6	5.4	6.5			
4						0	3.8	7.7	5.8	7.4			
5						0	4.4	8.3	5.2	7.8			
6						0	5.7	8.9	4.1	8.4			
7						0	5.7	9.3	4.3	9.2			
8						0	5.6	6.4	5.2	9.1			
9						0	5.4	4.6	7.3	6.7			
10						0	6.6	3.5	6.2	6.3			
11						0	4.5	6.1	4.7	6.4			
12						0	4	6.7	5.1	6.7			
13						0	3.4	7	5.5	9			
14						0	4.7	7.6	5.5	8.9			
15						0	5.1	7.5	5.5	7.3			
16						0	5.5	8	5.3	6.6			
17						0	5.2	7.8	5.4	5.8			
18						5.2	5.6	7.6	5.3	6.4			
19						4.5	5.6	5.6	5.2	3.8			
20						4.7	5.7	4.9	5.1	1.7			
21						4.3	5.9	4.6	4.9	4.2			
22						4	6.1	4.6	4.7	1			
23						4.5	5.8	5.4	5.3	0			
24						4.6	5.4	0	5.4	0			
25						3.5	5.3	0	5	0			
26						3.9	6.8	0	4.4	0			
27						4.6	8.4	0	4.5	0			
28						4.7	8.2	0	4.5	0			
29						4.6	6.9	0	4.5	0			
30						4.5	6.8	0	4.5	0			
31						4.1		0		0			
Sec.Ft. Days	0	0	0	0	0	61.7	164.5	155.0	149.2	140.4	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	2.0	5.5	5.0	5.0	4.5	0	0	1.8
Max. Sec.Ft.	0	0	0	0	0	5.2	8.4	9.3	7.3	9.2	0	0	9.3
Min. Sec.Ft.	0	0	0	0	0	0	3.4	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	122.4	326.3	307.4	295.9	278.5	0	0	1,330.5

TABLE NO. 13 - Continued

FLEMING DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1						0	5	10	7	6.5			
2	Dry	Dry	Dry	Dry	Dry	0	4.5	10.5	8.5	7			
3						0	4.5	10.5	11	6			
4						0	0	9	9	5			
5						0	0	9	7.5	5			
6						0	0	9.5	7.5	6.5			
7						0	0	10	7.5	6			
8						0	0	10	7.5	1			
9						0	0	9.5	7.5	0			
10						0	0	9	8.5	0			
11						0	0	9.5	10	0			
12						0	0	6.5	9	0			
13						0	0	6.5	9	0			
14						0	0	6.5	9.5	0			
15						0.5	0	6	9.5	0			
16						1	5.5	2.5	9.5	0			
17						4	8	0	9	0			
18						6.5	7.5	0	9	0			
19						6.5	6.5	0	9	0			
20						7	6	0	8.5	0			
21						7	8	0	8	0			
22						5	10.5	0	8	0			
23						4.5	10.5	0	8	0			
24						5	10.5	6.5	9	0			
25						6	11	9.5	10	0			
26						5	11.5	11	10.5	0			
27						4.5	11	11	10	0			
28						4.5	12	11	8	0			
29						5	12	11	7	0			
30						5	11.5	11	8	0			
31						5	5	9	0	0			
Sec.Ft. Days	0	0	0	0	0	82.0	158.0	214.5	260.0	43.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	2.6	5.3	6.9	8.7	1.4	0	0	2.1
Max. Sec.Ft.	0	0	0	0	0	7.0	12.0	11.0	11.0	7.0	0	0	12.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	7.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	162.6	313.4	425.5	515.7	85.3	0	0	1,502.5

TABLE NO. 14

PECKWOOD CREEK NEAR HEAD

Point of diversion - Eleven and one-quarter miles below McKay Point at the point of bifurcation of the Kawash Branch into Peckwood and Mill creeks in the northwest quarter of Section 25, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 465 second-feet.

Location of gaging station - Prior to 1940, one mile below head of creek in the southeast quarter of Section 26, Township 18 South, Range 25 East, M.D.B. and M. Map designation 14 a. Since 1940, three quarters of a mile below the head of creek in same section. Map designation 14 b.

Description of gaging station - Open channel section, staff gage and water stage recorder, rated by frequent current meter measurements.

Operating agency - Peckwood Canal Company.

Gross service area - 15,000 acres.

Period of record - 1918-1949; intermittent during the years ending September 30, 1919 and 1925; no records for the year ending September 30, 1923; continuous from October 1, 1917 to September 30, 1918, from October 1, 1919 to September 30, 1922, from October 1, 1923 to September 30, 1924 and from October 1, 1925 to September 30, 1949.

Criteria governing diversions - Diversions into Peckwood Creek consist principally of water previously diverted from St. Johns Branch and conveyed to Kawash Branch through Peckwood Canal. Water originating in Kawash Branch is diverted into Peckwood Creek during high water stages, only. (See Table No. 22).

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	0	163	142	0	103	Dry	Dry	Dry	
2				0	0	125	111	42	106				
3				0	5	125	98	114	93				
4				0	100	84	99	113	96				
5				0	70	0	95	108	88				
6				0	52	23	53	109	49				
7				0	30	64	0	105	0				
8				0	0	62	0	109	0				
9				0	0	60	0	122	27				
10				0	0	54	0	144	66				
11				76	0	29	0	162	74				
12				15	0	0	29	166	55				
13				0	0	0	87	164	0				
14				0	0	0	95	168	0				
15				0	0	0	98	180	0				
16				0	0	0	90	178	0				
17				0	0	0	47	162	0				
18				0	0	0	0	142	0				
19				0	0	0	0	136	0				
20				0	0	0	47	146	0				
21				0	0	0	84	160	0				
22				0	0	0	101	165	0				
23				0	64	0	102	156	0				
24				0	82	0	100	171	0				
25				0	59	0	93	176	0				
26				140	188	0	85	162	0				
27				40	181	57	82	151	0				
28				0	150	82	47	150	0				
29				0	174	56	0	111	0				
30				0	0	27	0	97	0				
31				0	0	70	0	96	0				
Sec.Ft. Days	0	0	0	271.0	1,155.0	1,081.0	1,785.0	1,150.0	737.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	6.7	32.6	32.9	59.6	153.9	24.6	0	0	0	25.1
Max. Sec.Ft.	0	0	0	140.0	188.0	103.0	142.0	160.0	106.0	0	0	0	188.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	537.5	2,291.0	2,144.2	3,540.5	8,251.5	1,461.8	0	0	0	16,212.5

DIVISION OF WATER RESOURCES

TABLE NO. 14 - Continued

PACKWOOD CREEK NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	0	57	0	98	99	Dry	Dry	Dry	
2			0	0	0	58	19	105	107				
3			0	0	0	58	46	112	111				
4			0	0	0	48	46	117	114				
5			0	0	0	64	120	114	115				
6			0	0	0	72	1	77	119				
7			0	0	0	60	45	122	120				
8			0	0	0	58	42	115	105				
9			0	0	0	25	55	41	114				
10			0	0	153	52	62	119	126				
11			0	0	105	50	72	155	150				
12			0	0	205	50	60	150	150				
13			0	0	106	52	55	145	135				
14			0	0	64	62	45	116	131				
15			0	0	50	57	0	110	127				
16			0	0	20	50	0	100	123				
17			0	0	20	51	0	115	129				
18			0	0	20	52	0	126	113				
19			0	0	20	53	0	113	101				
20			0	0	20	56	0	119	125				
21			0	0	30	50	0	126	112				
22			0	0	20	41	0	137	90				
23			15	0	20	33	0	155	85				
24			0	8	35	33	0	145	84				
25			0	0	35	33	0	138	78				
26			0	0	20	33	0	140	91				
27			38	0	20	0	0	127	82				
28			125	0	20	0	0	117	49				
29			35	0	0	0	33	117	0				
30			25	0	0	0	98	123	0				
31			0	0	0	0	0	102	0				
Sec.Ft. Days	0	0	238.0	8.0	1,008.0	1,338.0	861.0	3,811.0	3,068.0	0	0	0	Year Period
Men													
Sec.Ft.	0	0	7.7	0.3	36.0	43.2	28.7	122.9	102.3	0	0	0	28.3
Max.													
Sec.Ft.	0	0	125.0	8.0	205.0	72.0	120.0	155.0	150.0	0	0	0	205.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	98.0	0	0	0	0	0
Total Ac. Ft.	0	0	472.1	15.9	1,999.3	2,653.9	1,707.8	7,559.1	6,085.4	0	0	0	20,493.5

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	38	Dry	0	0	148				
2				0	35		0	0	147	Dry	Dry	Dry	
3				0	46		0	0	121				
4				0	42		40	0	105				
5				0	42		69	0	147				
6				0	54		35	23	155				
7				0	52		0	78	120				
8				0	49		0	104	94				
9				0	46		0	133	130				
10				0	45		0	135	116				
11				0	24		0	129	135				
12				0	0		0	94	127				
13				0	0		0	20	106				
14				0	0		0	20	94				
15				0	0		0	20	91				
16				0	0		0	15	82				
17				0	0		0	15	83				
18				0	0		0	37	91				
19				0	0		0	58	79				
20				0	0		0	115	88				
21				0	0		0	185	95				
22				0	0		0	195	99				
23				0	0		39	172	95				
24				0	0		68	162	77				
25				30	0		68	175	22				
26				83	0		50	174	0				
27				59	0		0	164	0				
28				110	0		0	165	0				
29				73	0		0	143	0				
30				43	0		0	119	0				
31				38	0		0	130	0				
Sec.Ft. Days	0	0	0	441.0	477.0	0	309.0	2,780.0	2,047.0	0	0	0	Year Period
Men													
Sec.Ft.	0	0	0	14.1	16.9	0	1.3	89.7	88.0	0	0	0	18.4
Max.													
Sec.Ft.	0	0	0	110.0	54.0	0	09.0	195.0	155.0	0	0	0	195.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	874.7	938.1	0	721.3	2,814.4	2,250.4	0	0	0	11,300.3

TABLE NO. 14 - Continued

PACKWOOD CREEK NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	30	0	87	143	120	Dry	Dry	Dry	
2				0	30	0	86	143	107				
3				0	30	0	88	133	78				
4				0	30	0	89	162	60				
5				0	49	24	92	155	45				
6				0	88	86	110	181	43				
7				0	75	100	94	228	49				
8				0	90	110	94	211	73				
9				0	94	360*	89	175	87				
10				0	51	465*	72	170	94				
11				0	0	460*	62	176	65				
12				0	0	380*	58	155	0				
13				0	0	240	54	153	0				
14				0	0	230	44	121	0				
15				0	0	220	32	97	0				
16				0	0	171	32	85	0				
17				0	0	154	37	74	0				
18				0	0	410*	44	63	0				
19				0	0	350*	64	59	0				
20				0	0	306	64	64	0				
21				0	0	246	67	74	0				
22				350*	0	205	70	101	0				
23				360*	0	200	95	128	0				
24				305	0	165	129	163	0				
25				108	0	103	131	191	0				
26				97	0	114	127	178	0				
27				87	0	104	120	141	0				
28				35	0	105	139	117	0				
29				35		101	148	99	0				
30				35		107	136	103	0				
31				35		92		95	0				
Sec.Ft. Days	0	0	0	1,447.0	567.0	5,608.0	2,554.0	4,148.0	821.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	46.7	20.3	180.9	85.1	133.8	27.4	0	0	0	41.5
Max. Sec.Ft.	0	0	0	360.0	94.0	465.0	148.0	228.0	120.0	0	0	0	465.0
Min. Sec.Ft.	0	0	0	0	0	0	32.0	59.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	2,870.0	1,124.6	11,123.5	5,065.8	8,227.6	1,628.5	0	0	0	30,040.1

* Creek overflowed both above and below the gaging station.

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	0	Dry	Dry	0	49	Dry	Dry	Dry	
2			0	0	0			0	19				
3			0	0	0			0	0				
4			0	0	0			0	0				
5			0	0	0			48	0				
6			0	14	0			111	52				
7			0	39	0			106	87				
8			0	0	0			103	81				
9			0	0	0			118	39				
10			0	0	0			108	0				
11			0	0	0			84	0				
12			0	0	0			76	0				
13			0	0	0			79	0				
14			0	0	0			83	0				
15			0	0	0			68	0				
16			0	0	0			24	0				
17			0	0	0			0	0				
18			0	0	0			0	0				
19			0	0	0			0	0				
20			0	0	0			0	0				
21			14	0	0			0	0				
22			39	0	21			0	0				
23			26	0	0			0	0				
24			22	0	0			0	0				
25			21	0	0			14	0				
26			23	0	0			62	0				
27			12	0	0			60	0				
28			0	0	0			66	0				
29			0	0	0			71	0				
30			0	0	0			76	0				
31			0	0	0			81	0				
Sec.Ft. Days	0	0	157.0	53.0	21.0	0	0	1,441.0	327.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	5.1	1.7	0.7	0	0	46.5	10.9	0	0	0	5.5
Max. Sec.Ft.	0	0	39.0	39.0	21.0	0	0	118.0	87.0	0	0	0	118.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	311.4	105.1	41.7	0	0	2,855.2	648.6	0	0	0	3,965.0

TABLE NO. 14 - Continued

PACKWOOD CREEK NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	Dry	Dry	42	42	133	198	0				
2		0			360	41	69	182	20				
3		0			355	41	0	177	75				
4		0			79	51	0	184	148				
5		0			53	57	0	180	161				
6		0			23	53	0	175	147				
7		0			0	51	0	109	122	Dry	Dry	Dry	
8		0			0	42	0	154	123				
9		0			0	44	0	145	106				
10		0			0	45	0	160	76				
11		150			0	47	0	153	108				
12		200			0	49	0	135	142				
13		70			0	51	0	130	179				
14		36			0	51	0	117	222				
15		36			118	106	0	121	231				
16		34			124	107	0	125	213				
17		20			83	66	0	136	205				
18		0			69	63	0	128	202				
19		0			58	51	0	108	204				
20		0			58	49	89	87	185				
21		0			49	33	177	41	172				
22		0			46	0	174	0	148				
23		0			44	70	176	0	126				
24		0			47	114	171	24	57				
25		0			64	104	176	59	0				
26		0			45	179	165	59	0				
27		0			40	212	139	57	0				
28		0			42	179	110	54	0				
29		0				166	141	27	0				
30		0				157	159	0	0				
31		0				140		0					
Sec.Ft.	0	548.0	0	0	1,807.0	2,461.0	1,879.0	3,285.0	3,372.0	0	0	0	Year Period
Mean													
Sec.Ft.	0	18.3	0	0	64.5	79.4	62.6	106.0	112.4	0	0	0	36.6
Max.													
Sec.Ft.	0	200.0	0	0	360.0	212.0	177.0	198.0	231.0	0	0	0	360.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total													
Ac. Ft.	0	1,080.9	0	0	3,584.2	4,881.4	3,727.0	6,515.8	6,688.4	0	0	0	26,483.7

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	63	Dry	0	39	0	85	79	Dry	Dry	Dry	Dry	
2	0	45		0	40	0	58	76					
3	0	30		0	42	0	0	44					
4	0	24		0	57	0	0	0					
5	0	20		0	60	0	0	0					
6	0	15		0	60	0	0	0					
7	0	32		0	60	0	0	58					
8	0	54		0	58	0	0	104					
9	0	27		0	56	0	0	103					
10	0	0		0	56	0	0	55					
11	0	0		0	33	0	0	0					
12	0	0		0	0	0	0	0					
13	0	0		0	0	0	0	0					
14	0	0		0	0	0	0	0					
15	0	0		0	0	0	0	0					
16	0	0		0	0	0	0	0					
17	0	0		0	0	0	0	0					
18	0	0		0	0	0	0	0					
19	0	0		0	0	0	0	0					
20	0	0		0	0	0	30	0					
21	0	0		0	0	0	106	60					
22	0	0		10	0	0	90	115					
23	0	0		28	0	0	99	47					
24	0	0		29	0	0	113	0					
25	0	0		31	0	0	130	0					
26	0	0		39	0	0	156	0					
27	0	0		43	0	0	174	0					
28	0	0		42	0	24	177	0					
29	0	0		42	0	91	160	0					
30	166	0		40	0	86	123	0					
31	128	0		38	0	80		0					
Sec.Ft.	295.0	310.0	0	342.0	561.0	281.0	1,501.0	741.0	0	0	0	0	Year Period
Mean													
Sec.Ft.	9.5	10.3	0	11.0	20.0	9.1	50.0	23.9	0	0	0	0	11.0
Max.													
Sec.Ft.	166.0	63.0	0	43.0	60.0	91.0	177.0	115.0	0	0	0	0	177.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total													
Ac. Ft.	582.1	614.9	0	678.4	1,112.7	557.4	2,977.2	1,469.8	0	0	0	0	7,993.5

TABLE NO. 14 - Continued

FACEWOOD CREEK NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	44	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	
2		0	60										
3		0	44										
4		0	39										
5		0	39										
6		0	76										
7		0	98										
8		0	127										
9		0	109										
10		0	110										
11		0	104										
12		0	102										
13		0	97										
14		0	94										
15		0	94										
16		0	91										
17		0	88										
18		0	85										
19		0	82										
20		43	80										
21		15	41										
22		7	0										
23		105	0										
24		180	0										
25		93	0										
26		42	0										
27		15	40										
28		26	70										
29		50	38										
30		44	29										
31			7										
Sec.Ft. Days	0	620.0	1,888.0	0	0	0	0	0	0	0	0	0	Year Period
Mean		20.7	60.9										6.9
Sec.Ft.	0	180.0	127.0	0	0	0	0	0	0	0	0	0	180.0
Max.													
Min.													
Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1,229.8	3,744.8	0	0	0	0	0	0	0	0	0	4,974.6
Ac. Ft.													

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	0	0	Dry	Dry	Dry	
2							0	0	0	0			
3							0	0	0	0			
4							0	0	0	0			
5							0	0	0	0			
6							0	0	0	0			
7							0	0	0	0			
8							0	0	0	0			
9							0	0	22	0			
10							93	0	20	0			
11							85	0	0	0			
12							45	0	0	0			
13							0	0	0	0			
14							0	9	0	0			
15							0	11	0	0			
16							0	33	0	0			
17							0	68	0	0			
18							0	96	0	0			
19							0	33	0	0			
20							0	0	0	0			
21							0	0	0	0			
22							0	0	0	0			
23							0	5	0	0			
24							0	21	0	0			
25							0	17	0	0			
26							0	35	0	0			
27							0	87	0	0			
28							0	90	0	0			
29							0	90	0	0			
30							0	60	0	0			
31							0	0	0	0			
Sec.Ft. Days	0	0	0	0	0	0	223.0	661.0	42.0	0	0	0	Year Period
Mean							7.4	21.3	1.4	0	0	0	2.5
Sec.Ft.	0	0	0	0	0	0	0	0	22.0	0	0	0	96.0
Max.													
Min.													
Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	442.3	1,311.1	83.3	0	0	0	1,836.7
Ac. Ft.													

No diversion during year ending September 30, 1949.

TABLE NO. 15

OAKES DITCH NEAR HEAD

Point of diversion - Eleven and one-half miles below McKey Point on the south bank of Mill Creek in the northwest quarter of Section 25, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 30 second-feet.

Location of gaging station - Prior to April 1940, one-half mile below head of ditch in southeast quarter of Section 26, Township 18 South, Range 25 East, M.D.B. and M. Map designation 15 a. Since April 1940, near the center of Section 26. Map designation 15 b.

Description of gaging station - Open channel section, staff gage and water stage recorder, rated by frequent current meter measurements, prior to 1930. A Venturi meter installed in 1930 and destroyed in the flood of December 1937 has not been replaced. Since April 1940, measurements have been made by means of a water stage recorder located above a concrete weir.

Operating agency - Oakes Ditch Company.

Gross service area - 1,200 acres.

Period of record - 1917-1937; 1940-1949; intermittent during 1917 and 1918; no records during the years ending September 30, 1919, 1923, 1938 and 1939; continuous from April 16, 1920 to September 30, 1922 and from October 1, 1923 to September 30, 1937; continuous from April 18, 1940 to September 30, 1949.

Criteria governing diversions - First 5 second-feet of flow reaching the head of Oakes Ditch in excess of flows required to meet downstream priorities aggregating 32 second-feet at their respective points of diversion; next 5 second-feet in excess of flows required to meet the sum of 5 second-feet and downstream priorities of 64 second-feet, aggregating 69 second-feet at their respective points of diversion; next 3 second-feet in excess of flows required to meet the sum of 8 second-feet and downstream priorities of 84 second-feet, aggregating 92 second-feet at their respective points of diversion; next 3 second-feet in excess of flows required to meet the sum of 11 second-feet and downstream priorities of 129 second-feet, aggregating 140 second-feet at their respective points of diversion; maximum diversion, 14 second-feet. Water reaching the head of Oakes Ditch includes Keweenaw Branch water and water previously diverted from St. Johns Branch by Visalia and Keweenaw Water Company and conveyed to the Keweenaw Branch through Ketchum Ditch. (See Table No. 21). At higher stages, diversions into the Oakes Ditch are increased to a maximum of 18 second-feet.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	No record	No record	No record	No record	7.8	12.2	6.8	Dry	Dry	
2								14.3	11.9	5.6			
3								18.7	11.6	6.4			
4								14.5	10.3	6.9			
5								14.2	10.6	8			
6								15	8.1	10.4			
7								16.3	6.2	11.4			
8								15	8.4	10.1			
9							0	12.8	9.8	10.5			
10							0	16.5	9.6	11			
11							0	16.8	9.1	6.4			
12							0	16.5	7.5	5.9			
13							0	17	6.5	6			
14							0	19	9.6	5.5			
15					0		0	18.6	9.1	5.3			
16					0		0	16.7	9.4	5			
17					0		0	18.6	9.4	5			
18					0		0	8.4	16.5	8.9			
19					0		0	11.4	15.8	8.6			
20					0		0	12.5	12.5	6.7			
21					0		14	10	5.2	3.3			
22					0		13	14	4.6	0			
23					0		13.8	11.2	3.1	0			
24					0		18.5	11.9	3.9	0			
25					0		17.5	15.2	5.3	0			
26					0		15.4	14	5.8	0			
27					0		13.3	15.2	5.5	0			
28					0		13.8	15.2	6.2	0			
29					0		11.6	14	8	0			
30							7.5	13.2	9.4	0			
31								12.7		0			
Sec.Ft.	0	0	0					457.7	242.5	144.0	0	0	Year Period
Mean Sec.Ft.	0	0	0					14.8	8.1	4.6	0	0	
Max. Sec.Ft.	0	0	0					19.0	12.2	11.4	0	0	
Min. Sec.Ft.	0	0	0	0	0	0	0	7.8	3.1	0	0	0	0
Total Ac. Ft.	0	0	0	270*	200*	200*	485*	907.8	481.0	285.6	0	0	2,829.4*

* Estimated

TABLE NO. 15 - Continued

OAKES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	4.7	6.3	0	0	2	9.1	21.5	9.7	9.2	Dry	
2	0	0	4.7	7.7	0	0	2.1	16.4	22.4	9.7	9.2		
3	0	0	4.6	7.1	0	0	0	15	22.7	9.7	9.2		
4	0	0	4.2	8.1	0	0	0	12.3	24	9.7	9.2		
5	0	0	0.8	8.1	6.6	0	0	12	24.5	9.4	9.2		
6	0	0	0	8.1	0	0	0	11.2	26	9.4	9.2		
7	0	0	0	7.7	0	0	0	10.2	23.6	9.4	9.2		
8	0	0	0	7.5	0	0	0	0.6	11.2	10.8	9.2		
9	0	0	0	2.3	0	0	0	3.9	19	18.5	9.2		
10	0	0	0	0	0	0	0	3.3	6.8	12	9.2		
11	0	0	0	0	0	0	0	0	2.9	23.7	10.8	9	
12	0	0	0	0	0	0	0	0	0	20.2	9.2	9	
13	0	0	0	0	0	0	0	0	0	18.5	9	9.2	
14	0	0	0	0	0	0	0	0	13.3	18.2	8.0	9.2	
15	0	0	0	0	0	0	0	0	20.8	18.5	8.0	5	
16	0	0	0	0	0	0	0	0	22.5	17	5.8	5	
17	0	0	0	0	0	0	0	0	24.5	17.0	2.5	6.7	
18	0	0	0	0	0	0	0	1.1	28	16	5.5	6.7	
19	0	0	0	0	0	0	0	3.3	22.2	14	5.5	5.9	
20	0	0	0	0	0	0	0	2.1	23.5	16	4.8	5.9	
21	0	0	5.3	0	0	0	1.3	22.2	15.2	4.8	5.3	5.3	
22	0	0	5.2	0	0	0	1.3	25.7	14.4	4.8	4.8	4.8	
23	0	0	5.3	0	0	0	0	24	13	4.2	2.2	4.8	
24	0	0	5.3	0	0	0	0	22.7	9.4	4.5	0	0	
25	0	0	4.4	0	0	0	0	3.3	5.2	4.3	0	0	
26	0	0	6.6	0	0	4.6	6.8	22.7	8.3	6	0	0	
27	0	3.1	7.5	0	0	7.6	8.8	19.4	10.8	9.7	0	0	
28	0	0	7.7	0	0	2.4	7	20	9.2	9.7	0	0	
29	0	0	7.7	0	0	0	7.8	21.8	6.4	9.4	0	0	
30	0	4.9	7.1	0	0	0	5.8	24	9.7	9.4	0	0	
31	0	0	6.4	0	0	0	0	22.4	9.2	9.2	0	0	
Sec.Ft. Days	0	13.0	116.1	60.8	9.6	20.6	72.6	322.5	512.3	248.7	169.7	0	Year Period
Mean Sec.Ft.	0	0.4	3.7	2.3	0.3	0.7	2.4	16.9	17.1	8.0	5.5	0	4.8
Max. Sec.Ft.	0	5.0	8.5	8.1	6.6	7.6	7.8	28.5	26.0	12.5	9.2	0	28.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	5.2	2.5	0	0	0
Total Ac. Ft.	0	25.8	280.3	120.6	19.0	40.9	144.0	1,036.4	1,010.1	493.3	136.6	0	1,463.0

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	7.3	9.6	11	13.1	5	10.3	12	10.6	4.8	Dry	
2	0	0	7.3	8	11	13.1	4.9	10.3	15.2	10.3	4.5		
3	0	0	8.2	8	11.2	10.4	5.3	10.3	17.2	10.4	4.1		
4	0	0	9.2	9.3	9	8	8.8	10.4	19.8	10.3	3.9		
5	0	0	8	9.5	7.8	8.2	12	11.1	20.2	10.3	3.9		
6	0	0	8	9.2	7.5	8.4	11.2	11.7	20.5	9.8	1.6		
7	0	0	7.3	9	6.4	7.8	9.6	12.6	20	9.8	0		
8	0	0	6.8	9.2	6.2	5.3	9.5	12.1	19.3	8.6	0		
9	0	0	6.4	9	5.8	7.6	7.5	12.2	20.4	4.9	0		
10	0	0	7.5	8.7	6.8	11.7	5.5	12.8	19.5	3.7	0		
11	0	0	10.2	11.7	8.2	12.3	8.7	12.8	15.8	5.6	0		
12	0	0	10.2	14.2	10.7	12.3	12	11.3	14.4	5.4	0		
13	0	0	10.4	14.8	12.6	12	10.4	10	14.8	5.4	0		
14	0	0	10.4	12.6	11.7	11.3	10.7	11.3	14.3	5.5	0		
15	0	0	9.5	10.4	11.7	11.4	10.2	11.5	11.7	5.9	0		
16	0	0	9.6	12	12.6	9.7	9.0	11.5	8.4	6.1	0		
17	0	0	9.5	13.1	13.4	7.3	8.0	11.5	9.5	6.1	0		
18	0	0	9.5	12.8	14	6.5	8.0	10.3	9	8.3	0		
19	0	0	9.5	12.6	14	5.2	9.5	10.3	7.9	10.8	0		
20	0	0	9.2	12.6	13.4	5	10.0	13	6.7	11.3	0		
21	0	0	9.2	12	7.8	4.2	11	22.8	4.3	11.2	0		
22	0	0	9.2	8.7	5.8	4.2	10.4	15.3	7.5	11.2	0		
23	0	0	9.2	5.7	5.3	4.4	11.3	12	12	10.8	0		
24	0	0	9.2	7	5.3	4.9	11.2	17.4	10.8	10.7	0		
25	0	0	9.2	10.2	5.8	5	11.0	25	11	10.0	0		
26	0	0	9.2	10.8	9.2	5	10.6	23.8	11	10.6	0		
27	0	0	8.7	9	13.1	5	11.5	15	10.4	9.5	0		
28	0	0	8.7	8.7	13.1	5.2	12	14.4	10.8	6.7	0		
29	0	0	9.0	12.2	11.5	5.4	11	13.3	11.6	5.9	0		
30	0	0	11	11.5	11.5	5.3	10.3	12.3	11	5.7	0		
31	0	0	11	11	11	5	12.3	12.3	12.3	5.5	0		
Sec.Ft. Days	0	0	278.2	323.1	271.6	241.0	289.3	414.1	388.1	256.6	22.8	0	Year Period
Mean Sec.Ft.	0	0	9.0	10.4	9.7	7.8	9.0	11.4	11.3	8.3	0.7	0	6.8
Max. Sec.Ft.	0	0	11.0	14.8	14.0	13.1	12.0	25.0	20.3	11.3	4.8	0	25.0
Min. Sec.Ft.	0	0	6.4	5.4	5.6	4.0	4.3	10.0	4.3	1.7	0	0	0
Total Ac. Ft.	0	0	511.8	640.9	516.7	478.0	571.6	811.4	789.0	509.2	41.2	0	1,484.4

TABLE NO. 15 - Continued

OAKES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	4.6	7.6	11.5	8.4	8.1	9.2	10.6	8.6	5.7	Dry	
2		0	4.6	7.5	11.2	8	7.8	10.3	9.5	7.3	5.4		
3		0	0.6	7.3	11.3	7.9	8	11.1	8.6	5.8	5		
4		0	0.7	7	11.9	9	8.1	11.2	8.5	5.8	1.8		
5		0	0	6.9	12.2	10.4	7.8	11	7.8	4.8	0		
6		0	0	7	12.2	11.4	8.3	10.3	7.8	4.6	0		
7		0	0	7.4	11.5	9.9	7.6	9.6	9.5	5	0		
8		0	2.5	7	10.3	9.5	7.3	9.9	10.3	5.4	0		
9		0	4.6	7	9.2	14.1	6.9	10.2	10.3	5.4	0		
10		0	4.5	6.8	8	22.5	6.5	10.1	9.6	5.1	0		
11		0	4.6	6.6	6.8	23	6.2	10.1	9.6	4.9	0		
12		0	4.8	6.7	6.4	12.5	6.1	9	9	5	0		
13		0	4.8	6.8	5.8	3.9	6.2	8.4	9	4.9	0		
14		0	4.7	6.9	6.7	1.3	5.6	9.5	9	4.8	0		
15		0	4.5	7	8.4	1.4	5	11.5	9.2	5	0		
16		0	4.1	7.1	8.1	2	5.1	10.2	9.7	5	0		
17		0	4	7.1	7.4	1.6	7.2	9.5	10.2	5	0		
18		0	3.7	6.8	6.5	8.4	11.1	8.8	10.2	6	0		
19		0	3.6	6	6.3	4	11.2	8.3	9.9	6.1	0		
20		0	3.5	6.4	6.2	1.3	11	8.2	9.3	6.2	0		
21		0	3.4	9.9	6.2	1.1	11.5	6.9	9.2	6.2	0		
22		0	3.4	14	6.9	1.1	11.9	6.6	9	6.1	0		
23		3.4	3.4	13.6	7.6	1	9.9	6.5	9	6	0		
24		10.4	8.1	11.3	8.7	0.8	9	6.8	9.2	6	0		
25		4.6	8.6	6.6	9.5	0.8	8.9	9.7	9	6	0		
26		4	6.6	4.1	9.9	7.1	8.7	12	9	6	0		
27		3.9	6.8	8.8	9.5	10.4	8.7	11.4	8.7	6	0		
28		4	7.5	10.9	8.8	10	9.2	7.8	8.7	6	0		
29		4.1	7.8	9.7		9.8	9.5	6.8	8.6	5.9	0		
30		4.8	7.9	1.9		9.5	9.4	6.3	9	5.8	0		
31			7.6	7.4		8.6		6.8		5.8	0		
Sec.Ft.													Year
Days	0	39.2	134.5	237.3	245.0	230.7	247.8	284.0	277.0	176.5	17.9	0	Period
Mean													
Sec.Ft.	0	1.3	4.3	7.7	8.8	7.4	8.3	9.2	9.2	5.7	0.6	0	5.2
Max.													
Sec.Ft.	0	10.4	8.6	14.0	12.2	23.0	11.9	12.0	10.6	8.6	5.7	0	23.0
Min.													
Sec.Ft.	0	0	0	1.9	5.8	0.8	5.0	6.3	7.8	4.6	0	0	0
Total													
Ac. Ft.	0	77.7	266.8	470.7	486.0	457.6	491.5	563.3	549.4	350.1	35.5	0	3,748.6

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	4.9	4.5	9.3	6.9	5.3	9.8	4.5	Dry	Dry	
2			0	4.8	4.4	8	6.2	7.3	9.5	4.7			
3			0	5	4.4	7.8	5.7	9.8	9.2	4.6			
4			0	5	4.4	7.7	6	10.8	9	4.6			
5			0	4.7	4.4	9.3	5.3	12.4	9.5	4.5			
6			0	5	1.8	6.7	5	12.7	10	4.7			
7			0	5.5	0	6.5	5.2	11.4	10	4.8			
8			0	3.5	0	5.9	5.3	11.4	9.5	5.1			
9			0	0.8	0	5.2	4.9	13	9.2	5.3			
10			0	0	0	5.4	4.2	13.2	7	7			
11			0	0	0	5.5	4.3	12.4	6.2	6.9			
12			0	0	0	5.8	4.5	12.4	9	6.8			
13			0	2.5	0	5.7	4.2	12.4	9.4	6.7			
14			0	3.5	0	5.4	4	12.7	9.6	6.3			
15			0	3.5	0	5	4.1	13.2	9.6	5.8			
16			0	3.3	4.5	5.4	4.1	12	9	5.9			
17			0	3.1	7.7	5.4	4	11.1	8.3	5.6			
18			0	3	7.7	5.4	4.1	9.7	6.4	5.4			
19			0	3	7.7	5.8	6	9.4	5.9	5.3			
20			0	3	7.4	5.5	6.7	10.6	5.8	5.2			
21			4.4	3	7.4	3.6	6.2	10.3	5.8	4.9			
22			6.2	3	9.3	4	5.5	11.1	5.1	4.9			
23			5.2	3	8.8	5	5.1	12.2	4.5	5.7			
24			4.8	3.2	5.7	5.1	5.2	9.5	4.8	5.5			
25			4.5	4.3	5.4	5.3	5	10	4.8	4			
26			4.4	5.1	5.4	5.3	4.5	9.5	4.6	3.8			
27			3.8	5	7.4	5.2	5	9.5	4.5	2.5			
28			3.4	4.6	9	5.2	5.5	9.5	4.5	0			
29			4.6	4.5	8.7	5.4	5	9.5	4.5	0			
30			5.1	4.5		5.1	4.5	10	4.5	0			
31			5.1	4.7		5.5		10.2		0			
Sec.Ft.													Year
Days	0	0	51.5	109.0	126.0	181.4	154.2	333.5	219.5	141.0	0	0	Period
Mean													
Sec.Ft.	0	0	1.7	3.5	4.3	3.9	5.1	10.8	7.3	4.5	0	0	3.6
Max.													
Sec.Ft.	0	0	6.2	5.5	9.3	9.3	8.7	13.2	10.0	7.0	0	0	13.2
Min.													
Sec.Ft.	0	0	0	0	0	3.6	4.0	5.3	4.5	0	0	0	0
Total													
Ac. Ft.	0	0	102.1	216.2	249.9	359.8	305.9	661.5	435.4	279.7	0	0	2,610.5

TABLE NO. 15 - Continued

OAKES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	6.9	8	13	9.6	7.7	5.4	Dry	
2					0	6.9	7.8	12.1	10.8	7.7	5.4		
3					0	6.8	7.4	12.3	12.6	7.4	5.8		
4					0	6.9	7	12.7	14.4	7	5.8		
5					0	7	6.4	12.8	14.7	6.9	5.4		
6					0	6.9	6.8	12.3	14.2	6.8	5.2		
7					0	7.1	6.9	11.4	12.8	7.4	5.3		
8					0	6.7	7	11.3	11.8	7.1	5.2		
9					0	6.8	7.2	11.2	12	6.9	5		
10					0	6.8	6.9	11.8	11.8	6.5	4.8		
11					0	6.5	6.8	12.1	12	5.6	4.2		
12					0	6.4	6.7	13.5	12.4	4.4	4		
13					0	6.4	6.5	13.5	12.6	4.9	1.6		
14					0	6.3	6.5	13	13.4	4.8	0		
15					0	8.3	6.7	13	13.1	4.6	0		
16					0	11	6.8	12.6	12.6	4.6	0		
17					0	10.3	7.2	12.4	12.4	4.4	0		
18					0	11.3	7.9	12.4	12.4	4.4	0		
19					0	10.7	8.4	12.9	12.8	5	0		
20					0	10.5	10.7	11.9	13.1	6	0		
21					0	10.8	11.8	10.8	13.4	6	0		
22					0	11.4	11.8	9.8	13	6	0		
23					0	11.1	11.8	9.5	12.4	5.9	0		
24					0	10.4	11.6	9.5	10.6	5.2	0		
25					3.5	10.1	11.9	9.5	8.3	5.6	0		
26					7.1	10	11.9	9.2	8.3	5.5	0		
27					7.2	9.9	12.1	9.2	8.4	5.4	0		
28					7	9.1	11.2	10.5	8.5	5.8	0		
29						9.1	11.9	10.7	9.5	5.8	0		
30						8.5	14	9.8	7.9	5.6	0		
31								9.6		5.6	0		
Sec.Ft. Days	0	0	0	0	24.8	265.9	265.6	356.3	350.3	182.9	63.1	0	Year Period
Mean Sec.Ft.	0	0	0	0	0.9	8.6	8.9	11.5	11.7	5.9	2.0	0	4.1
Max. Sec.Ft.	0	0	0	0	7.2	11.4	14.0	13.5	14.7	7.7	5.8	0	14.7
Min. Sec.Ft.	0	0	0	0	0	6.3	6.4	9.2	7.9	4.4	0	0	0
Total Ac. Ft.	0	0	0	0	49.2	527.4	526.8	706.7	694.8	362.8	125.2	0	2,992.9

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	2.5	7.7	7.7	11.1	6.8	7	Dry	Dry	
2				0	2.5	7.8	8	7	6.8	7			
3				0	2.4	7	7.9	6.2	5	6.8			
4				0	1.7	6.9	7.9	5.8	7	6.6			
5				0	1.3	6.7	7.7	6.1	5.6	6.6			
6				0	1.3	6.7	6.8	8.3	5.9	6.3			
7				0	1.3	6.7	6.9	11	6.3	5.9			
8				0	1.2	6.7	6.1	11.8	6.3	5.4			
9				0	1.1	7	5.2	11.6	6.1	5			
10				0	1.1	6.8	5.3	9.6	5.6	4.5			
11				0	1.3	7	6.1	7	5.2	4.3			
12				0	1.7	6.7	7.1	7	5	3.5			
13				0	1.7	6.3	7.8	7	5.2	3.5			
14				0	1.8	6.3	6.8	6.8	5.2	3.3			
15				0	1.7	5.9	7.1	6.6	5.2	2.6			
16				0.2	1.7	5.7	8.1	6.1	5.4	1.8			
17				1.6	1.5	5.6	6.7	6.1	5.4	1.6			
18				2.4	1.4	5.6	6.4	6.3	5.4	1.3			
19				2.2	1.4	5.6	5.6	6.6	5.4	0.7			
20				2.2	1.4	5.6	5	6.8	5.4	0			
21				2.2	1.5	5.5	4.7	6.8	5.2	0.7			
22				2.2	1.5	5.4	4.6	7	7.6	0.9			
23				2.4	1.5	5.7	5	6.1	11.1	0.6			
24				2.5	1.6	5.4	6.1	5	7.5	0.2			
25				2.5	6.2	5.2	7	4.7	7.3	0			
26				2.2	7	5.3	7.3	5.9	7	0			
27				2.1	6.2	5.3	7.7	5.6	7	0.6			
28				2.1	6.6	5.2	7.3	5	6.8	0			
29				2		6.3	10.4	4.7	7	0			
30				2		8.6	12.3	4.7	6.8	0			
31				2		8.6		5.4		0			
Sec.Ft. Days	0	0	0	32.8	64.1	196.8	208.8	215.7	187.5	86.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	1.1	2.3	6.3	7.0	7.0	6.3	2.8	0	0	2.7
Max. Sec.Ft.	0	0	0	2.5	7.0	8.6	12.3	11.8	11.1	7.0	0	0	12.3
Min. Sec.Ft.	0	0	0	0	1.1	5.2	4.7	4.7	5.0	0	0	0	0
Total Ac. Ft.	0	0	0	65.0	127.1	390.4	414.2	427.8	371.9	171.6	0	0	1,968.0

DIVISION OF WATER RESOURCES

TABLE NO. 15 - Continued

OAKES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	3.8	7.5	6.7	4.9	Dry	Dry	
2						0	3.8	7.5	6.7	6.7			
3						0	3.8	7.5	6.4	5.6			
4						0	3.9	7.5	5.3	4.4			
5						0	3.9	7.5	5	3.9			
6						0	3.9	7.7	5	3.9			
7						0	4	7.7	5.6	3.5			
8						0	4.1	7.2	5.6	0.8			
9						0	4.1	6	5.6	0			
10						0	4.1	5.7	5.5	0			
11						0.5	4.1	5.6	5.5	0			
12						1.7	4.1	5.6	5.3	0			
13						1.6	4.2	5.8	5.6	0			
14						1.5	4.4	5.8	6.4	0			
15						1.4	5.2	5.7	7.5	0			
16						0.9	5.7	5.8	7.5	0			
17						1	5.9	6.1	7.3	0			
18						1.8	5.9	6.1	7.3	0			
19						1.8	6.1	6.5	7.3	0			
20						1.8	6.3	6.6	7.3	0			
21						1.8	6.1	6.3	7.1	0			
22						1.8	5.6	6.5	6.8	0			
23						1.8	5.3	7.5	6.1	0			
24						1.8	5.5	7.5	5.5	0			
25						2	5.6	7.7	5.5	0			
26						2.7	5.5	7.7	5.5	0			
27						3.9	7	7.1	5.5	0			
28						3.9	7.9	7.5	5.3	0			
29						3.9	7.5	7.3	5.3	0			
30						3.8	6.8	7	5.2	0			
31						3.8	6.8	6.8	5.2	0			
Sec.Ft. Days	0	0	0	0	0	45.2	154.1	210.3	182.2	33.7	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	1.5	5.1	6.8	6.1	1.1	0	0	1.7
Max. Sec.Ft.	0	0	0	0	0	3.9	7.9	7.7	7.5	6.7	0	0	7.9
Min. Sec.Ft.	0	0	0	0	0	0	3.8	5.6	5.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	89.7	305.7	417.1	361.4	66.8	0	0	1,240.7

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	4	1	4.5	4	Dry	Dry	
2						0	4.5	1	4.5	5			
3						0	3.5	2.5	4.5	5			
4						0	4	4	4.5	5			
5						0	5.5	4.5	5	5			
6						0	7	5	5	5			
7						0	5	5	4.5	5			
8						0	5	4	4.5	5			
9						0	5	4	4	5			
10						0	6.5	4.5	4	5			
11						0	8.5	5	4	5			
12						0	9.5	4.5	4	4.5			
13						0	5	5	4	4.5			
14						0	4.5	5	4.5	4.5			
15						0	5.5	6.5	4	4.5			
16						0	5	7.5	3	4			
17						0	4.5	6	3	4			
18						1.5	5	6	3	3.5			
19						1	6	6.5	3.5	3.5			
20						1.5	6	6	3.5	2			
21						2	5.5	5.5	3.5	1.5			
22						1.5	5.5	5.5	4	1.5			
23						1.5	5	6	4.5	1			
24						1	4.5	5.5	5	1			
25						1.5	4	5	5	0			
26						2.5	3.5	5	5	0			
27						2.5	3	5	5	0			
28						2.5	2	5	5	0			
29						3.5	1	4.5	4.5	0			
30						4.5	1	5	4	0			
31						4		4	4	0			
Sec.Ft. Days	0	0	0	0	0	31.0	145.5	149.5	128.0	93.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	1.0	4.9	4.8	4.3	3.0	0	0	1.5
Max. Sec.Ft.	0	0	0	0	0	4.5	9.5	7.5	5.5	5.0	0	0	9.5
Min. Sec.Ft.	0	0	0	0	0	0	1.0	1.0	3.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	61.5	288.6	296.5	253.9	184.5	0	0	1,085.0

TABLE NO. 15 - Continued

OAKES DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	7	8	6.5	Dry	Dry	Dry	
2						0	6.5	7.5	7				
3						0	6.5	7	6.5				
4						0	6.5	6	6				
5						0	6	6	6				
6						0	6.5	6.5	6				
7						1	8.5	6.5	6.5				
8						3.5	8.5	7.5	6.5				
9						3.5	8.5	8	6.5				
10						3.5	8	8	7				
11						3.5	6	8.5	6.5				
12						3.5	6.5	8.5	6				
13						3.5	8.5	8.5	7.5				
14						3.5	8	9	7				
15						3.5	7.5	8	6.5				
16													
17						3	7.5	8	7.5				
18						3	8	8	8				
19						2.5	7	7.5	7.5				
20						2.5	6.5	7.5	7.5				
21						2.5	6.5	7.5	7.5				
22						2.5	8	8.5	7.5				
23						4.5	8.5	7.5	7				
24						6	9	7.5	7				
25						6.5	9	8	7				
26						6.5	8.5	8	6.5				
27							8.5	8	6				
28							5	7.5	5.5				
29							5	7.5	2.5				
30							5	8	7.5				
31							7.5	7	7				
Sec.Ft. Days	0	0	0	0	0	100.0	231.0	237.0	193.0	0	0	0	Year Period
Mean Sec.Ft.						3.2	7.7	7.6	6.4	0	0	0	2.1
Max. Sec.Ft.						7.5	9.5	9.0	8.0	0	0	0	9.5
Min. Sec.Ft.						0	6.0	6.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	198.3	458.2	470.1	382.8	0	0	0	1,509.4

TABLE NO. 16

EVANS DITCH NEAR HEAD

Point of diversion - Thirteen miles below McKey Point on the south bank of Mill Creek in the southeast quarter of Section 27, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 72 second-feet.

Location of gaging station - One-half mile below head of ditch in southwest quarter of Section 27, Township 18 South, Range 25 East, M.D.B. and M. Map designation 19.

Description of gaging station - A concrete weir consisting of two sections, each 10 feet in length with the same crest elevations, one across the head of Evans Ditch and the other across the head of Watson Ditch; and a staff gage and water stage recorder above the weir. An accurate relationship has been established between water levels at the recorder and flows over each of the weir sections.

Operating agencies - Evans and Watson ditch companies.

Gross service area - 4,500 acres.

Period of record - 1917-1949; intermittent during the years ending September 30, 1917 and 1918; no record during the year ending September 30, 1919; continuous from October 1, 1919 to September 30, 1949.

Criteria governing diversions - One-half of first 32 second-feet reaching the head of Evans-Watson Ditch; one-half of the next 22 second-feet in excess of flows required to meet the sum of 32 second-feet and downstream priorities of 15 second-feet, aggregating 47 second-feet at their respective points of diversion; one-half of the next 35 second-feet in excess of flows required to meet the sum of 54 second-feet and downstream priorities of 35 second-feet, aggregating 89 second-feet at their respective points of diversion; one-half of the next 6 second-feet in excess of flows required to meet the sum of 89 second-feet and downstream priorities of 40 second-feet, aggregating 129 second-feet at their respective points of diversion; maximum diversion, 47½ second-feet. Water reaching the head of Evans-Watson Ditch includes Keweenaw Branch water and water previously diverted from St. Johns Branch by Visalis and Keweenaw Water Company and conveyed to the Keweenaw Branch through Ketchum Ditch. (See Table No.21) Diversions increased to 57 sec.ft.at high river stages.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	14.5	23	31	40	25.5	17.5	0.5	Dry	
2				0	17	10.5	23.5	38	25.5	14	0		
3				6	15.5	18	19.5	32	21.5	16	0		
4				11	21	16.5	13.5	27	22.5	20	0		
5				25.5	15	21	13	28	18	23.5	0		
6				15.5	15.5	19.5	16	32	16	22	0		
7				9.5	17	16	19	32	19.5	21.5	0		
8				25.5	15	17.5	19.5	31	18.5	20	0		
9				25.5	13	18	21	35.5	21	17	0		
10				37	18.5	20	22.5	45	21	16.5	0		
11				33.5	16.5	24	23	47	14	17	0		
12				17.5	15	24	21	49.5	19	18.5	0		
13				15	11.5	28	18.5	50	24.5	17.5	0		
14				22	13	23	25	44	19.5	17.5	0		
15				21	11.5	22	30	41.5	18.5	16.5	0		
16				18.5	8	21	23	47	20.5	16	0		
17				17.5	10	20.5	20.5	39	22	17	0		
18				20.5	9	20.5	25	31	20	17	0		
19				15.5	11	21	30	34	17	14.5	0		
20				13.5	11.5	22	28	40	14	13	0		
21				13	15.5	21	25.5	46	13.5	13	0		
22				13	13.5	18.5	28	43.5	17	12.5	0		
23				13	24	20	22	47	17	11	0		
24				14	19	22	18.5	48	16	8	0		
25				16	17	25	18.5	42	15.5	6	0		
26				26	28.5	26	15.5	39	16	5.5	0		
27				13.5	27	29.5	16	32	14.5	5	0		
28				7	22.5	25	17	33.5	14.5	4.5	0		
29				10.5	27	25.5	17	32	19	3	0		
30				11.5	25	25	27.5	29	25	2.5	0		
31				14		30.5		22.5		2	0		
Sec.Ft.	0	0	0	501.5	473.0	674.0	648.0	1,176.0	566.0	425.5	0.5	0	Year
Mean													Period
Sec.Ft.	0	0	0	16.2	16.3	21.7	21.0	38.0	16.9	13.7	0	0	12.2
Max.													
Sec.Ft.	0	0	0	37.0	28.5	30.5	31.0	50.0	25.5	23.5	0.5	0	50.0
Min.													
Sec.Ft.	0	0	0	0	8.0	10.5	13.0	22.5	13.5	2.0	0	0	0
Total													
Ac. Ft.	0	0	0	99.7	936.2	1,336.9	1,285.3	2,330.5	1,122.7	84.0	1.0	0	8,859.3

TABLE NO. 16 - Continued

EVANS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	16	13.5	20.5	37.5	19	32.5	36	19.5	22.5	5.5	
2		0	16.5	14	28	39	23.5	37.5	37.5	17.5	21.5	4.5	
3		0	16	16	28	41	21	30	40.5	16.5	21	3.5	
4		0	17	19.5	29	31	20	35	43	16.5	19	2.5	
5		0	3	21	29	34	31	35	42.5	16.5	18	2	
6		0	0	21	29.5	37	25	39	49	15	17	1	
7		0	0	19.5	18	35	27	43	46.5	13.5	18.5	0	
8		0	0	18	14	34.5	23.5	31	35.5	14	21	0	
9		0	0	17	27	31	23	27	33.5	15.5	18.5	0	
10		0	0	2.5	26	29	30.5	28	37	12	17.5	0	
11		0	0	25	14	27	35.5	28	42	14	17	0	
12		0	0	23.5	37	25.5	30.5	22	37	16	15	0	
13		0	0	24	24.5	24	26.5	18.5	33	14	13.5	0	
14		0	0	24.5	23	21.5	25	15.5	34.5	12.5	16	0	
15		12	0	23.5	25.5	20.5	26	12.5	39	11	15.5	0	
16		13.5	0	22	24	18.5	26.5	12	37	10.5	14	0	
17		14	0	23	21	16.5	26	18	38	12.5	26	0	
18		14	12.5	25.5	16.5	33	24	21	33.5	11	23.5	0	
19		14.5	11	25	15	34	25	15.5	32	14	12	0	
20		15	11	25	19.5	35	27	18	32.5	13	14	0	
21		15	13	27	25.5	21	26	19	28	14	14.5	0	
22		15	12	27.5	25.5	17	23	33	26	15	13	0	
23		15	21	25.5	20	17	21	37	26.5	13	11.5	0	
24		15.5	11	31	26	17	26	32	25	16.5	12	0	
25		15.5	17.5	15	20	16.5	20.5	32	19.5	10	10.5	0	
26		17	10.5	16	21	27	19.5	33	21.5	16	8.5	0	
27		16	17.5	20	16.5	30	22.5	26.5	15	21	7	0	
28		16.5	25.5	14.5	16.5	33.5	25.5	30	20	22	4	0	
29		15.5	15	13.5	15	26	23	33.5	13.5	23	5.5	0	
30		16	11	15.5	18	21	32	46.5	16.5	23	6.5	0	
31			14	18		17.5		39.5		23	6		
Sec.Ft. Days	0	240.0	282.0	648.5	650.5	538.0	756.5	883.0	975.0	490.5	464.0	19.0	Year Period
Mean Sec.Ft.	0	8.2	9.1	20.9	23.2	27.0	25.2	28.5	32.5	15.8	15.0	0.6	17.1
Max. Sec.Ft.	0	18.0	25.5	31.0	37.0	41.0	35.5	46.5	49.0	23.0	26.0	5.5	49.0
Min. Sec.Ft.	0	0	0	13.5	14.0	16.5	19.0	12.0	13.5	10.5	4.0	0	0
Total Ac. Ft.	0	487.9	559.4	1,286.3	1,290.3	1,662.2	1,500.5	1,751.4	1,933.9	972.9	920.5	37.7	12,402.8

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	21	18.5	23	28	21	21	39	22.5	13.5		Dry
2		0	21	11.5	23	28.5	19	24	40	22	14.5		
3		0	20.5	11	26.5	29.5	21	22	40	23	14		
4		0	22.5	18.5	26	30.5	31	23.5	48	21	12.5		
5		0	18.5	16.5	26	31	30.5	28.5	52	20	12.5		
6		0	20	14.5	29.5	32	23	33	50	15.5	14.5		
7		0	23	14	28	23.5	23	35	47	14.5	14		
8		0	23	14.5	26.5	14	21	33.5	43	13.5	13		
9		0	23	15.5	25	17	18.5	33.5	43.5	12	13		
10		0	23	15	23	18.5	20	32.5	45	14	11		
11		0	21	18.5	23	22	24.5	30	52	16.5	13.5		
12		0	21	21	26.5	20	23.5	29.5	52	15	12.5		
13		0	21	21	33	23.5	23.5	34	43.5	13.5	6		
14		0	20.5	23.5	30.5	23	26	31	42.5	16	5.5		
15		0	22	26	30	24.5	25	31	42.5	19.5	5		
16		0	22.5	25	29.5	18.5	25	30	43	20.5	3		
17		0	23	25	31	17.5	24	26.5	42.5	22.5	1		
18		0	23	25	35	20	19	32	44	26.5	0		
19		0	23	24	35	15	25	35.5	42.5	28	0		
20		0	23	24	33	12	28	39	43	28	0		
21		0	23	24.5	30.5	11.5	26.5	37.5	38	22	0		
22		0	23	30.5	35	14.5	26.5	38	38	21	0		
23		0	23	34	34	18	29	29.5	36.5	22.5	0		
24		0	23.5	26.5	32	18	28	40.5	33.5	20.5	0		
25		0	23	12	31	18	29.5	43	31	19.5	0		
26		8	23	0	30	17	31	49	24	18	0		
27		4	24	10	28	16	27	46	20.5	18	0		
28		17	24.5	26	28	18.5	27	43	23	21.5	0		
29		19	22.5	27	20	23	39	24	21	0	0		
30		21	24.5	21	23.5	20	35	23.5	18	0	0		
31			20	23.5		24		38		10.5	0		
Sec.Ft. Days	0	69.0	689.5	615.5	811.5	647.5	739.0	1,043.5	1,187.0	602.5	179.0	0	Year Period
Mean Sec.Ft.	0	2.3	22.2	19.8	29.0	20.9	24.6	33.7	39.6	19.4	5.6	0	18.0
Max. Sec.Ft.	0	21.0	24.5	34.0	35.0	32.0	31.0	49.0	52.0	28.0	14.5	0	52.0
Min. Sec.Ft.	0	0	18.5	0	23.0	11.5	18.5	21.0	20.5	12.0	0	0	0
Total Ac. Ft.	0	130.9	1,307.6	1,220.5	1,603.0	1,284.3	1,465.8	2,009.8	2,354.4	1,195.1	355.1	0	13,059.4

TABLE NO. 16 - Continued

EVANS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	13.5	17.5	18.5	17	33	41	35	19.5	15.5	Dry	
2		0	13.5	16.5	18	15	33	52	32.5	17.5	12.5		
3		0	4.5	12.5	16.5	14	34	48.5	30	18	10.5		
4		0	5	12.5	15	20	35.5	50	25.5	19.5	10.5		
5		0	6.5	12	18.5	25	36	50	22.5	20	10.5		
6		0	5.5	14.5	16	22.5	39	52	20	19.5	14		
7		0	5	18	17.5	21.5	35	55	25	17.5	12		
8		0	5	16	12.5	19.5	36	59	28	16	11.5		
9		0	5	15	13.5	36.5	36	47	27	17.5	10.5		
10		0	4	13.5	13.5	56	29	48	21	16.5	8.5		
11		0	7	12.5	21	72	25.5	49.5	22	15.5	6.5		
12		0	14.5	13.5	21	54	24.5	39.5	22.5	15.5	6		
13		0	15.5	14	20.5	31	24	31.5	19.5	15	5		
14		0	18.5	15.5	23	25	22	33.5	18	14	4.5		
15		0	13	17.5	21	21.5	20	39	20	15.5	2.5		
16		0	9	19.5	20	18.5	20.5	42.5	27	15.5	0		
17		0	9	19.5	18	18.5	21.5	39	32.5	15.5	0		
18		0	8.5	17	15.5	42	25.5	36.5	33	25.5	0		
19		0	9.5	11	14.5	55	34	37	28	30.5	0		
20		0	9	12	14	29.5	34	39.5	18.5	32	0		
21		1	9	24	14.5	22	33	39	18.5	32	0		
22		16	8.5	25	16.5	16	35	35.5	16.5	29.5	0		
23		17	9	29	18.5	17	32	35	16.5	29.5	0		
24		9.5	29	37	23.5	13.5	31	39.5	24	25.5	0		
25		8.5	24	21	23.5	15	31	36.5	18.5	23.5	0		
26		8.5	14.5	16.5	24	10	29.5	35.5	20	22	0		
27		8.5	9.5	16	22.5	12.5	29	34	21	21	0		
28		8.5	25	17.5	18.5	28	32.5	34	22.5	19.5	0		
29		8.5	22.5	19.5	15	34	35	33.5	24	21	0		
30		12	21	21.5	36	34	34	34	23.5	19	0		
31			17.5	21.5	33	33	35	35	17.5	17.5	0		
Sec.Ft. Days	0	98.0	368.5	551.0	495.5	854.0	920.0	1,281.5	712.5	636.5	140.5	0	Year Period
Mean Sec.Ft.	0	3.3	11.9	17.8	17.7	27.5	30.7	41.3	23.7	20.5	4.5	0	16.6
Max. Sec.Ft.	0	17.0	29.0	37.0	24.0	72.0	39.0	59.0	35.0	32.0	15.5	0	72.0
Min. Sec.Ft.	0	0	4.0	11.0	7.5	10.0	20.0	31.5	16.5	14.0	0	0	0
Total Ac. Ft.	0	194.4	730.9	1,092.9	98.8	1,693.9	1,824.8	2,541.9	1,413.2	1,262.5	278.7	0	12,016.0

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	8	23	33.5	20	22	26	18	3	Dry	
2			0	8.5	22	27.5	23.5	23	27.5	17.5	2		
3			0	15.5	21.5	26	16.5	25.5	30.5	17.5	0		
4			0	19.5	23.5	27.5	21.5	28	27	17	0		
5			0	18	25	32.5	16	27	27	16	0		
6			0	19.5	24.5	17	16	22.5	23	16	0		
7			0	19.5	23.5	17.5	19	20.5	19.5	15.5	0		
8			0	0	29.5	19.5	19.5	25.5	21	17	0		
9			0	0	37.5	20.5	22.5	28	17.5	18	0		
10			0	0	34.5	23	16	28	17	28	0		
11			0	0	31.5	26	16.5	28	13.5	25.5	0		
12			0	0	27.5	29	22	30	20.5	17.5	0		
13			0	6.5	27	25.5	14.5	29	17.5	22.5	0		
14			0	11.5	24.5	19.5	11.5	30	17.5	20.5	0		
15			0	12.5	23	13	14	28	19	20	0		
16			0	13	21.5	14	15	22.5	14	19.5	0		
17			0	13.5	19.5	14	14.5	21.5	14	18.5	0		
18			5.5	13	19.5	14	16	19	14	17	0		
19			12.5	15.5	16.5	16.5	22.5	18	16	16	0		
20			10.5	16	19	18.5	23	21.5	21.5	15	0		
21			0	17.5	18.5	17	11.5	23.5	20	11.5	0		
22			0	18	22.5	14.5	15	25.5	18	12.5	0		
23			0	19	22	16.5	18	22	16	14.5	0		
24			4.5	23	16	19.5	20	28	18.5	12	0		
25			7.5	26	30	19.5	20	26	19.5	8.5	0		
26			8.5	28.5	31.5	19.5	16	19.5	17	7.5	0		
27			6.5	27	32	19	17	19	17	6	0		
28			5.5	19	27.5	16.5	18.5	19.5	20	5.5	0		
29			8.5	19	25	16	25	20	20	6.5	0		
30			8.5	18.5	17.5	17.5	14	30.5	19.5	6.5	0		
31			10	23.5	18.5	18.5	30	30	5	5	0		
Sec.Ft. Days	0	0	88.0	449.0	724.0	628.5	519.0	773.0	58.0	474.0	5.0	0	Year Period
Mean Sec.Ft.	0	0	2.8	14.5	25.0	20.3	17.3	24.9	19.5	15.3	0.2	0	11.6
Max. Sec.Ft.	0	0	12.5	28.5	37.5	33.5	23.5	30.5	30.5	28.0	3.0	0	37.5
Min. Sec.Ft.	0	0	0	0	16.0	13.0	9.0	18.0	13.5	5.0	0	0	0
Total Ac. Ft.	0	0	174.6	890.6	1,436.1	1,246.6	1,029.4	1,533.2	1,162.3	950.2	9.9	0	8,422.9

TABLE NO. 16 - Continued

EVANS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	13	18	20.5	18	22	46	20.5	20.5	15.5		Dry
2		0	13	18.5	27.5	18	19	46.5	24.5	19	15		
3		0	16.5	18	32.5	18	17.5	39	30	18.5	19		
4		0	15	19	22.5	17.5	18.5	30.5	37.5	18	19.5		
5		0	12.5	18.5	20	16	20	27	33.5	16.5	15.5		
6		0	12	18	18.5	15	16.5	26.5	28.5	14	13		
7		0	16	11	19.5	15.5	17	26	26	14.5	14.5		
8		0	23	10.5	18.5	17.5	18	43	27	13	14		
9		0	22.5	9	18	18.5	20	23	27.5	14	11.5		
10		0	21	9.5	15	19	19	24.5	28	14	9		
11		0	19	9.5	13	19	18	24.5	29	15.5	8		
12		0.5	18.5	9	11.5	19	17	29.5	31	18.5	7		
13		0.5	18	16	12.5	19.5	16	29	31.5	16.5	6.5		
14		13	17.5	16	13.5	19.5	15	26.5	28	16	7		
15		20	17.5	17	24	24	17	28	21	14.5	6.5		
16		19.5	17	19.5	22	27.5	20	33.5	21	15	3.5		
17		21	16.5	17.5	14.5	22.5	23.5	38.5	19.5	14	0.5		
18		25	16	16.5	4.5	20.5	32	38	24	13	0		
19		22.5	16.5	14.5	7.5	16.5	35	36.5	31.5	21	0		
20		24	17	12.5	7.5	16	34.5	32.5	30	27	0		
21		22.5	20	11	11	15.5	38	28.5	29.5	27	0		
22		22.5	27	11	18	16.5	31.5	27.5	28.5	26.5	0		
23		24	29.5	10.5	19	29	29.5	27.5	28.5	26	0		
24		15	24.5	10.5	17	36.5	29.5	27.5	25.5	19	0		
25		12.5	23	14	14	34.5	31.5	28	24.5	18	0		
26		12	22	17	14.5	40.5	31.5	28	25	14.5	0		
27		12	20	16.5	17	28	32	27.5	25.5	14.5	0		
28		12	18.5	16	17.5	23	29	26.5	24	18.5	0		
29		13	20	15.5	20	32	25	20	20	18.5	0		
30		13.5	19.5	15	22	22	42	24	20.5	18	0		
31			18	17		26.5		20.5		18	0		
Sec.Ft. Days	0	305.0	580.0	452.0	471.0	669.0	742.0	939.0	801.0	551.5	185.5	0	Year Period
Men	0	10.2	18.7	14.6	16.8	21.6	24.7	30.3	26.7	17.8	6.0	0	15.6
Max. Sec.Ft.	0	25.0	29.5	19.5	32.5	40.5	42.0	46.5	37.5	27.0	19.5	0	46.5
Min. Sec.Ft.	0	0	12.0	9.0	4.5	15.0	15.0	20.5	19.5	13.0	0	0	0
Total Ac. Ft.	0	605.0	1,150.4	896.5	934.2	1,327.0	1,471.8	1,862.5	1,588.8	1,093.9	367.9	0	11,298.0

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	1	20.5	27	33.5	33	34	24.5	23			Dry
2		0	0	20.5	27	33.5	29	33	26	20.5			
3		0	0	23	27	33.5	20.5	27.5	25.5	19			
4		0	0	23	22.5	33.5	21.5	17.5	25	17.5			
5		0	0	25	20	33	20	19.5	25	15.5			
6		0	0	24.5	20	32	20.5	24.5	20.5	14			
7		0	0	21.5	20	32	20	30	19.5	12			
8		8.5	1.5	20	19.5	30	18	36.5	16	9			
9		11.5	14.5	19.5	19.5	32	14	36	15.5	8			
10		14	15.5	18	19.5	31.5	13.5	29.5	12.5	6			
11		19.5	16.5	18	20.5	30	16	17	11	10			
12		21	15.5	17.5	23	28	21.5	24	13.5	8			
13		20.5	15	16.5	23	29	27	25	15	8.5			
14		19.5	18	17	23	35.5	23	24.5	15	7.5			
15		18.5	18.5	17	24	28	21.5	25.5	14	6			
16		19	19.5	22.5	30	24.5	27	21	14	7.5			
17		19	19.5	36	28.5	21.5	31.5	22	15.5	5			
18		18.5	19.5	33.5	30.5	20	31	21.5	15.5	3			
19		15	19.5	31	32	20	28	24	15	0.5			
20		14.5	19	29.5	28	20.5	26	31	15	0			
21		15	20.5	29.5	29	16.5	26	34	14.5	0			
22		15	46	28.5	28	14.5	28	36.5	11	0			
23		12	35	27	27	15	32	32	15.5	0			
24		10	24	27	27	15	32	24.5	25	0			
25		8.5	25.5	27	26	14	28.5	21.5	24.5	0			
26		7.5	25.5	27	31.5	15.5	33.5	19	24	0			
27		11	23	25	33	14	36	26	23	0			
28		18	23	25	33	15.5	32	27	23	0			
29		18.5	23	27	27	21	29	24.5	23	0			
30		14	22	27	27	23.5	34	24	19.5	0			
31			21.5	26		31.5		25.5		0			
Sec.Ft. Days	0	348.5	502.0	750.0	719.0	777.5	773.5	818.0	556.5	200.5	0	0	Year Period
Men	0	11.0	16.2	24.2	25.7	25.3	25.8	26.4	18.6	6.5	0	0	14.9
Max. Sec.Ft.	0	21.0	46.0	36.0	33.0	35.5	36.0	36.5	26.0	23.0	0	0	46.0
Min. Sec.Ft.	0	0	0	16.5	19.5	14.0	13.5	17.0	11.0	0	0	0	0
Total Ac. Ft.	0	913.5	995.7	1,487.0	1,426.1	1,542.2	1,534.2	1,622.5	1,103.8	397.7	0	0	10,801.1

TABLE NO. 16 - Continued

EVANS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	1.5	19	19	25	18.5	14.5	22.5	8.5	7.5	Dry	Dry	
2	0	1.5	17.5	19	25	21.5	14.5	23.5	13	6.5			
3	0	2	23	19	25	26	16	25.5	11.5	5			
4	0	2	16.5	19	25	23.5	15.5	24.5	11.5	3			
5	0	1.5	27	19	25	20	14.5	23.5	13.5	1.3			
6	0	2	28	17.5	25	17.5	12	24.5	13	2			
7	0	2	23.5	17	25.5	16	12	24.5	14	0.6			
8	0	1.5	20	17	25.5	10.5	11	23	16	0			
9	0	3	24	17	25	17.5	11.5	20.5	15.5	0			
10	0	4.5	23.5	17	25.5	10.5	13	10	17.5	0			
11	0	5.5	10.5	17	26.5	18.5	14	14	18.5	0			
12	0	7.5	16.5	17.5	25.5	17	17	14.5	14.5	0			
13	0	6.5	21	19.5	30	17	20	15	17	0			
14	0	3.5	19	19.5	31.5	17.5	20	13	24	0			
15	0	10	19	19.5	31	17.5	14	10.5	26	0			
16	0	9	18.5	19.5	30	18.5	14.5	14	26	0			
17	0	9.5	16.5	19.5	31	18.5	17.5	17.5	25	0			
18	0	11.5	15.5	19.5	26	17	18.5	19.5	23.5	0			
19	0	17.5	15	16	19.5	17.5	21	20.5	24	0			
20	0	26.5	14	12.5	19.5	18.5	24	21	26	0			
21	0	23.5	19.5	12	20	14	23	20.5	22.5	0			
22	0	23.5	25	12	19.5	19.5	16	20	18.5	0			
23	0	30.5	25	13.5	17	17.5	9.5	21.5	14	0			
24	0	29	26	20	17.5	21.5	10	21.5	15	0			
25	0	20	26	23.5	19	17	12	19.5	14	0			
26	0	14	28.5	24	19.5	13.5	8	18	14	0			
27	0	17.5	29	24	19.5	14	9.5	14	13.5	0			
28	0	21.5	26.5	25.5	19.5	15	13.5	17	11	0			
29	0	23.5	20.5	25.5	16	13.5	14.5	14.5	12	0			
30	0.5	16.5	13.5	25	16	15.5	13.5	13.5	11.5	0			
31	1		16	25	14.5		11	11	14	0			
Sec.Ft. Days	1.5	350.0	649.0	590.5	673.5	549.5	445.5	578.5	504.5	25.9	0	0	Year Period
Mean Sec.Ft.	0	11.7	20.0	19.0	24.1	17.7	14.9	18.7	16.8	0.6	0	0	12.0
Max. Sec.Ft.	1.0	20.5	29.0	25.5	31.5	26.0	24.0	25.5	26.0	7.5	0	0	31.5
Min. Sec.Ft.	0	1.5	13.5	12.0	17.0	13.5	8.0	10.5	8.5	0	0	0	0
Total Ac. Ft.	3.0	694.2	1,287.3	1,171.3	1,335.9	1,089.9	883.6	1,147.4	1,000.7	51.4	0	0	3,664.7

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	15	16	18.5	16.5	Dry	Dry	
2						0	20	17	20.5	21.5			
3						0	23	16	20.5	21.5			
4						0	16	16	26.5	20.5			
5						0	15.5	14.5	24	19			
6						0	13	15.5	23.5	10			
7						0	15	26.5	24.5	12			
8						0	10	25	26.5	11.5			
9						0	9.5	17.5	27	12			
10						0	25	13	24	11.5			
11						0	24	21	21	14.5			
12						0	21	24.5	21	14.5			
13						0	11.5	25	21.5	12			
14						0	6	25.5	21.5	9			
15						0	14	25	23.5	6.5			
16						2	19	25.5	21	4.5			
17						10.5	15.5	30	18	2			
18						3.5	15	25	17	1			
19						6.5	16	21.5	15.5	0			
20													
21						3	14.5	19.5	15	0			
22						1	14.5	23	14.5	0			
23						4	14.5	25.5	14	0			
24						11.5	14	28.5	17	0			
25						18	13	30	19	0			
26						15	15	30	15	0			
27						13.5	17.5	29	13.5	0			
28						15	10.5	25	14.5	0			
29						17.5	18	24	13	0			
30						17.5	10.5	23.5	15	0			
31						16.5		19.5		0			
Sec.Ft. Days	0	0	0	0	0	158.5	469.0	705.0	585.0	226.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	5.1	15.6	22.7	19.5	7.3	0	0	5.9
Max. Sec.Ft.	0	0	0	0	0	18.0	25.0	30.0	27.0	21.5	0	0	30.0
Min. Sec.Ft.	0	0	0	0	0	0	6.0	13.0	13.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	314.4	930.2	1,398.4	1,160.3	448.3	0	0	4,281.6

TABLE NO. 16 - Continued

EVANS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	9.5	14	13.5	13	3.5	Dry	Dry	
2					0	9	15	17	15.5	1			
3					0	11	14	18	15	0			
4					0	12	16.5	10.5	14	0			
5					0	13.5	30	10	14.5	0			
6					0	11	48	15.5	13	0			
7					0	11	44	16	14.5	0			
8					0	10.5	43	17	15	0			
9					0	10.5	40	17	14.5	0			
10					0	10	34	15.5	13.5	0			
11					0	12	22.5	13	12	0			
12					0	18	19	19	12.5	0			
13					0	9.5	19.5	20	12	0			
14					0	10	20	20.5	11	0			
15					0	16.5	20	14.5	12.5	0			
16					0	11.5	18.5	14.5	20.5	0			
17					0	9	17.5	18.5	21	0			
18					0	11	18.5	22	19	0			
19					0	18	15	20.5	18.5	0			
20					0	24	13	18.5	10.5	0			
21					4.5	21.5	12.5	16.5	15.5	0			
22					8.5	19.5	14.5	17	15.5	0			
23					9	23.5	18.5	22.5	15	0			
24					11.5	26	23	21	15	0			
25					12.5	23	25.5	18	14	0			
26					14	18.5	15	19	12.5	0			
27					14.5	16	13	19	10.5	0			
28					12	18.5	19	16	6.5	0			
29						23	20.5	11	5	0			
30						18.5	16	11	5.5	0			
31						17		12		0			
Sec.Ft. Days	0	0	0	0	86.5	472.5	652.5	514.0	413.0	4.5	0	0	Year Period
Sec.Ft.	0	0	0	0	3.1	15.2	22.0	16.6	13.8	0.1	0	0	5.9
Max. Sec.Ft.	0	0	0	0	14.5	26.0	48.0	22.5	21.0	3.5	0	0	48.0
Min. Sec.Ft.	0	0	0	0	0	9.0	12.5	10.0	5.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	171.6	937.2	1,308.1	1,019.5	819.2	8.9	0	0	4,264.5

TABLE NO. 17

WATSON DITCH NEAR HEAD

Point of diversion - Thirteen miles below McKay Point on the south bank of Mill Creek in the southeast quarter of Section 27, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 72 second-feet.

Location of gaging station - One-half mile below head of ditch in southwest quarter of Section 27, Township 18 South, Range 25 East, M.D.B. and M. Map designation ①7.

Description of gaging station - A concrete weir consisting of two sections, each 10 feet in length, with the same crest elevations, one across the head of Evans Ditch and the other across the head of Watson Ditch; and a staff gage and water stage recorder above the weir. An accurate relationship has been established between water levels at the recorder and flows over each of the weir sections.

Operating agencies - Evans and Watson ditch companies.

Gross service area - 4,600 acres.

Period of record - 1917-1949; intermittent during the years ending September 30, 1917 and 1918; no record during the year ending September 30, 1919; continuous from February 23, 1920 to September 30, 1949.

Criteria governing diversions - One-half of first 32 second-feet reaching the head of Evans-Watson Ditch; one-half of the next 22 second-feet in excess of flows required to meet the sum of 32 second-feet and downstream priorities of 15 second-feet, aggregating 47 second-feet at their respective points of diversion; one-half of the next 35 second-feet in excess of flows required to meet the sum of 54 second-feet and downstream priorities of 35 second-feet, aggregating 89 second-feet at their respective points of diversion; one-half of the next 6 second-feet in excess of flows required to meet the sum of 89 second-feet and downstream priorities of 40 second-feet, aggregating 129 second-feet at their respective points of diversion; maximum diversion, 47½ second-feet. Water reaching the head of Evans-Watson Ditch includes Kaweah Branch water and water previously diverted from St. Johns Branch by Visalia and Kaweah Water Company and conveyed to the Kaweah Branch through Ketchum Ditch. (See Table No. 21).

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	14	23	29.5	35	24	17	0.5	Dry	
2				0	16	11	23	33	24	13.5	0		
3				11	15	17.5	18.5	27.5	20	15	0		
4				10	20	16	14	23	21	19	0		
5				19	14.5	20	13	23.5	17	22	0		
6				14.5	15	18.5	15.5	25	15	20.5	0		
7				9	16	16	18.5	25	18.5	20	0		
8				23	14.5	17.4	19	24	17.5	19	0		
9				23.5	12.5	17.5	20.5	27	20	16	0		
10				33	18	20	22	24	20	15.5	0		
11				30	16	23	23	25.5	13.5	16.5	0		
12				16.5	14	23.5	21	27	18	17.5	0		
13				14	11.5	27	19	28	23	17	0		
14				20.5	12.5	22.5	25	26	18.5	17	0		
15				19	10.5	21.5	29.5	25	17.5	15.5	0		
16				17	8	20.5	23.5	28	19	15	0		
17				16	10	20	21	24	20.5	16	0		
18				19	9	20	25.5	20	19	16	0		
19				15	11	20.5	28.5	21	16.5	14	0		
20				13	11	21.5	27	24	13.5	13	0		
21				12.5	14.5	20	25	26	13	13	0		
22				12	13	18	26	25	16.5	12	0		
23				12.5	22	19	21	26	16	10.5	0		
24				13.5	18	21.5	17.5	26.5	15	6	0		
25				15	16	24.5	17	24	15	6	0		
26				24	27	25	14.5	22	15	5.5	0		
27				13	26	28.5	15	29	14	5	0		
28				7	22	25	15	31	14	4.5	0		
29				10.5	27	25	15.5	29.5	16	2.5	0		
30				11.5	25	23	24	26.5	23	2.4	0		
31				13		29.5		21		1.5	0		
Sec.Ft. Days	0	0	0	467.5	454.5	657.9	627.0	802.0	535.5	405.9	0.5	0	Year Period
Mean Sec.Ft.	0	0	0	15.1	15.7	21.2	20.9	25.9	17.8	13.1	0	0	10.8
Max. Sec.Ft.	0	0	0	33.0	27.0	29.5	29.5	35.0	24.0	22.0	0.5	0	35.0
Min. Sec.Ft.	0	0	0	0	8.0	11.0	13.0	21.0	13.0	1.5	0	0	0
Total Ac. Ft.	0	0	0	927.3	901.5	1,304.9	1,243.6	1,590.8	1,062.2	805.1	1.0	0	7,836.4

TABLE NO. 17 - Continued

WATSON DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	15.5	13	20	34.5	18.5	26.5	26	22	24.5	6.5	
2		0	16	13.5	27.5	36	23	29.5	28.5	20	24	5.5	
3		0	15	15	27.5	37.5	21	24.5	29	19	23.5	4	
4		0	16.5	19	28.5	27.5	20	28	33	19	21	3	
5		0	4	20	29	30.5	30	28	33	19	20	2.5	
6		0	0	20	29.5	33.5	24.5	30.5	38.5	17	19	1.5	
7		0	0	18.5	17.5	33	26.5	33	37	15	20	0	
8		0	0	16.5	14	32.5	23	26	29	16.5	23	0	
9		0	0	15.5	27.5	29.5	22	24	28	19	20	0	
10		0	0	20	26.5	28	30	24	30	14	19	0	
11		0	0	23	14	27	35	24	33	16	18.5	0	
12		0	0	21	37	25	30	21	29	18.5	16	0	
13		0	0	21	24.5	24	25.5	29.5	26	16.5	14.5	0	
14		4	0	21	22.5	22	25.5	31	27	14.5	17.5	0	
15		11.5	6	20	25	21	25	28	29	13	16.5	0	
16		13	0	19	24	19.5	26	27.5	27.5	12.5	15	0	
17		13.5	0	22	20.5	17.5	25	33.5	28.5	14.5	27	0	
18		13.5	12	23.5	15.5	9	23.5	36.5	26	13.5	24.5	0	
19		14	11	23	14.5	0	24.5	31	25.5	15	16.5	0	
20		14.5	9	23	19	0	27	33.5	26.5	15	15.5	0	
21		14.5	12.5	25.5	24.5	12.5	25.5	34.5	23.5	16	16	0	
22		15	11.5	25	24.5	18	23	31	23	17	14	0	
23		15	20.5	24.5	23	18	21	30.5	23.5	17	12.5	0	
24		15	20	30	24.5	18	21	28.5	22.5	18.5	13.5	0	
25		15	17	16.5	24.5	17.5	20	25.5	19	18	12	0	
26		16.5	10.5	14.5	19	27.5	19	26	21	18	10	0	
27		17.0	17	19	14.5	31	22	21.9	20	23	8	0	
28		16	25	14	14.5	24	24	22.5	20	23.5	5	0	
29		15	15.5	13	25.5	25	24	19	19	24.5	6	0	
30		15.5	10.5	15	21	29	30	30	18.5	25	7	0	
31			14	17.5	17	17				25	7	0	
Sec.Ft.	0	239.1	273.0	606.5	633.0	717.5	735.0	868.5	797.5	556.0	506.5	23.0	Year Period
Days													
Mean													
Sec.Ft.	0	8.0	8.8	19.6	22.6	23.1	24.5	25.0	26.6	17.9	16.3	0.8	16.3
Max.													
Sec.Ft.	0	17.6	25.0	30.0	37.0	37.5	35.0	36.5	38.5	25.0	27.0	6.5	38.5
Min.													
Sec.Ft.	0	0	0	13.0	14.0	0	18.5	21.0	15.0	12.5	5.0	0	0
Total													
Ac. Ft.	0	474.2	541.5	1,203.0	1,255.6	1,423.2	1,457.9	1,722.7	1,581.8	1,102.8	1,004.6	45.6	11,812.9

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	20	15	22	26	20.5	18	34	22	13	Dry	
2		0	19.5	10.5	22	27	18	20.5	34.5	21.5	14		
3		0	19.5	10	26	28	20.5	18.5	34.5	23	13.5		
4		0	21	18	26	29	33.5	20	41	21	11.5		
5		0	17	15.5	25.5	29.5	31	24.5	44	19.5	11.5		
6		0	18.5	13.5	29	31	24	29.5	43	15	14		
7		0	22	13	28	23	24	30	31	14	13.5		
8		0	22	14	26.5	13	23	18	31	13	11		
9		0	22	15.5	25	16	18	29	40	11	12.5		
10		0	22	15	23	17.5	20	27.5	41	13.5	10.5		
11		0	20.5	18.5	23	21	24.5	25	44	15.5	13		
12		8	21	22	27	19.5	23.5	24	44	14.5	11.5		
13		13	21	21.5	33.5	23	23.5	28.5	38.5	15	5.5		
14		13.5	20.5	23	31	22.5	23	26	36	15	5		
15		13.5	21.5	25	30.5	24.5	24.5	26	36	19	5		
16		13	22	24	29	18	24.5	24	35	20	3		
17		14	23	23.5	30.5	17	23	20	36	22	0		
18		19	23	23	33	19	18	25	38.5	22	0		
19		17.5	23	23	33	14	24	29.5	36.5	28	0		
20		16.5	23	22	29.5	11	27	32.5	35.5	28	0		
21		16.5	23.5	23	27	10	25	31	33	21.5	0		
22		15.5	24	28.5	30	13	28	31.5	33	21	0		
23		16.5	24	32.5	29	17	27	33.5	33	22	0		
24		15.5	24.5	35	27	17	25.5	33	30	20	0		
25		14	24	11	27	17	27	14	28	19	0		
26		4.5	23.5	0	27	15.5	28	18	21	17.5	0		
27		2	24	8.5	25	15	24.5	15	19	17.5	0		
28		15	24	24.5	25	17	24.5	14	21.5	22	0		
29		18	21.5	25.5	19	20	19	33.5	24	21	0		
30		17.5	23	19	22	17	30	27	23.5	17.5	0		
31			13.5	22	23	23		33		15.5	0		
Sec.Ft.	0	265.0	671.5	581.0	770.0	615.0	709.5	764.5	1,035.0	582.0	158.0	0	Year Period
Days													
Mean													
Sec.Ft.	0	8.8	21.7	18.8	27.5	19.8	23.0	24.7	34.5	19.0	5.1	0	16.9
Max.													
Sec.Ft.	0	19.5	24.5	32.5	33.5	31.0	31.5	33.5	44.0	28.0	14.0	0	44.0
Min.													
Sec.Ft.	0	0	13.5	0	22.0	10.0	17.0	13.0	19.0	11.0	0	0	0
Total													
Ac. Ft.	0	525.2	1,331.9	1,158.4	1,527.3	1,219.9	1,407.3	1,516.4	2,052.9	1,166.3	313.4	0	12,219.4

TABLE NO. 17 - Continued

WATSON DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	13.5	17.5	18.5	17	33	41	35	19.5	15.5		Dry
2		0	13.5	16.5	18	15	33	52	32.5	17.5	12.5		
3		0	4.5	15	16.5	14	34	48.5	30	18	10.5		
4		0	5	12.5	15	20	35.5	30	25.5	19.5	10.5		
5		0	6.5	12	18.5	25	36	30	22.5	20	10.5		
6		0	5.5	14.5	16	22.5	39	52	20	19.5	14		
7		0	5	18	7.5	21.5	35	55	25	17.5	12		
8		0	5	16	12.5	22.5	36	59	28	16	11.5		
9		0	5	15	13.5	36.5	36	47	27	17.5	10.5		
10		0	4	13.5	13.5	36	29	48	21	16.5	8.5		
11		0	7	12.5	21	72	25.5	49.5	22	15.5	6.5		
12		0	14.5	13.5	21	54	24.5	34	22.5	15.5	6		
13		0	15.5	14	20.5	51	24	24.5	19.5	15	5		
14		0	18.5	15.5	21	25	22	26	18	14	4.5		
15		0	13	17.5	21	21.5	20	33.5	20	15.5	2.5		
16		0	9	19.5	20	18.5	20.5	37.5	27	15.5	0		
17		0	9	19.5	18	18.5	21.5	33.5	32.5	15.5	0		
18		0	8.5	17	15.5	42	25.5	30	33	25.5	0		
19		0	9.5	11	14.5	55	34	31	28	30.5	0		
20		0	9	12	14	29.5	34	34	18.5	34	0		
21		1	9	24	14.5	22	33	32.5	18.5	36	0		
22		16	8.5	25	16.5	16	35	29	16.5	29.5	0		
23		17	9	29	18.5	17	32	28.5	16.5	29.5	0		
24		9.5	29	37	21.5	13.5	31	33.5	24	26	0		
25		8.5	24	21	23.5	15	31	30	18.5	23.5	0		
26		8.5	14.5	16.5	24	10	29.5	28	20	22	0		
27		8.5	9.5	16	22.5	12.5	29	27	21	21	0		
28		8.5	23	17.5	18.5		28	32.5	27	22.5	19.5	0	
29		8.5	22.5	19.5			34	35	26	24	21	0	
30		12	21	21.5	36		34	25.5	23.5	19	0		
31			17.5	21.5	33		33	25	17.5	17.5	0		
Sec.Ft.													Year
Days	0	98.0	368.5	551.0	495.5	854.0	920.0	1,148.0	712.5	642.5	140.5	0	Period
Mean													
Sec.Ft.	0	3.3	11.9	17.8	17.7	27.5	30.7	37.0	23.7	20.7	4.5	0	16.2
Max.													
Sec.Ft.	0	17.0	29.0	37.0	24.0	72.0	39.0	59.0	35.0	36.0	19.5	0	72.0
Min.													
Sec.Ft.	0	0	4.0	11.0	7.5	10.0	20.0	24.5	16.5	14.0	0	0	0
Total													
Ac. Ft.	0	194.4	730.9	1,092.9	982.8	1,693.9	1,824.8	2,277.1	1,413.2	1,274.4	278.7	0	11,763.1

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	8	23	33.5	20	22	26	18	3		Dry
2			0	8.5	22	27.5	23.5	23	27.5	17.5	2		
3			0	15.5	21.5	26	37	23.5	30.5	17.5	0		
4			0	19.5	23	27.5	21.5	28	27	17	0		
5			0	18	22	32.5	16	27	27	16	0		
6			0	19.5	21	17	16	22.5	23	16	0		
7			0	19.5	20.5	17.5	19	20.5	19.5	15.5	0		
8			0	0	25.5	19.5	19.5	25.5	21	17	0		
9			0	0	35	20.5	22.5	28	17.5	18	0		
10			0	0	32	23	16	28	17	28	0		
11			0	0	28.5	26	16.5	28	13.5	25.5	0		
12			0	0	27.5	29	22	30	17.5	23	0		
13			0	6.5	27	25.5	14.5	29	17.5	22.5	0		
14			0	11.5	24.5	19.5	11.5	30	17.5	20.5	0		
15			0	12.5	23	13	14	28	19	20	0		
16			0	13	21.5	14	15	22.5	14	19.5	0		
17			0	13.5	19.5	14	14.5	21.5	14	18.5	0		
18			5.5	13	19.5	14	16	19.5	17	17	0		
19			12.5	15.5	19.5	16.5	22.5	18	16	16	0		
20			10.5	16	19	18.5	23	21.5	21.5	15	0		
21			7.5	17.5	18.5	17	11.5	23.5	20	11.5	0		
22			7	18	22.5	18.5	15	25.5	18	12.5	0		
23			14	19	16	16.5	18	29	16	14.5	0		
24			11.5	23	16	19.5	20	28	18.5	12	0		
25			7.5	26	30	19.5	20	26	19.5	8.5	0		
26			8.5	28.5	31.5	19.5	16	19.5	17	7.5	0		
27			6.5	34	27	19	17	19	14	6	0		
28			5.5	37	27.5	16.5	16.5	19.5	20	9.5	0		
29			8.5	19	25	16	9	25	20	6.5	0		
30			8.5	18.5		17.5	14	30.5	19.5	6.5	0		
31			10	23.5		18.5		30		5	0		
Sec.Ft.													Year
Days	0	0	123.5	449.0	702.0	628.5	539.5	773.0	568.0	474.0	5.0	0	Period
Mean													
Sec.Ft.	0	0	4.0	14.5	24.2	20.3	18.0	24.9	18.9	15.3	0.2	0	11.6
Max.													
Sec.Ft.	0	0	14.0	28.5	35.0	33.5	37.0	30.5	30.5	28.0	3.0	0	37.0
Min.													
Sec.Ft.	0	0	0	0	16.0	13.0	9.0	16.0	13.5	5.0	0	0	0
Total													
Ac. Ft.	0	0	245.0	890.6	1,392.4	1,246.6	1,070.1	1,533.3	1,126.6	940.2	9.9	0	8,454.7

TABLE NO. 17 - Continued

WATSON DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	13	18	20.5	18	22	47.5	20.5	20.5	15.5		Dry
2		0	13	18.5	27.5	16	17	48	24.5	19	15		
3		0	16.5	18	3.5	18	17.5	39	30	18.5	19.5		
4		0	15	19	22.5	17.5	16.5	30.5	37.5	18	19.5		
5		0	12.5	18.5	20	16	20	27	35.5	16.5	15.5		
6		0	12	18	18.5	15	16.5	26.5	28.5	14	13		
7		0	16	11	19.5	15.5	17	26	26	14.5	14.5		
8		0	23	10.5	18.5	17.5	18	44	29.5	13	14		
9		0	22.5	9	18	18.5	20	23	30	14	11.5		
10		0	21	9.5	15	19	19	2.5	30.5	14	9		
11		0	19	9.5	15	19	18	24.5	32.5	15.5	8		
12		0	18.5	9	11.5	19	17	29.5	35	18.5	7		
13		0	18	10	12.5	19.5	16	29	36.0	10.5	6.5		
14		0	17.5	16	13.5	19.5	15	26.5	31.5	10	7		
15		0	17.5	17	24	24	17	28	21	14.5	6.5		
16		0	17	19.5	22	27.5	20	36	21	15	3.5		
17		0	16.5	17.5	14.5	22.5	23.5	40.5	19.5	14	0.5		
18		0	16	16.5	4.5	20.5	32	40	24	13	0		
19		0	16.5	14.5	7	16.5	35	39	36.5	21	0		
20		0	17	12.5	7.5	16	34.5	34.5	34	27	0		
21		0	20	11	11	15.5	38	28.5	33.5	27	0		
22		0	27	11	18	12.5	31.5	27.5	32	26.5	0		
23		0	29.5	10.5	19	29	29.5	27.5	32	26	0		
24		6.5	24.5	10.5	17	36.5	29.5	27.5	25.5	19	0		
25		12.5	23	14	14	34.5	31.5	28	24.5	18	0		
26		12	22	17	14.5	40.5	31.5	28	25	14.5	0		
27		12	20	16.5	17	28	32	27.5	25.5	14.5	0		
28		12	18.5	16	17.5	23	29	26.5	24	18.5	0		
29		13	20	15.5	15	20	32	25	20	18.5	0		
30		13.5	19.5	15	15	22	40	24	20.5	18	0		
31			18	17		26.5		20.5		18	0		
Sec.Ft.	0	83.5	580.0	452.0	470.5	669.0	746.0	954.0	844.6	551.5	186.0	0	Year Period
Mean													
Sec.Ft.	0	2.8	18.7	14.6	16.8	21.6	24.9	30.8	28.1	17.5	6.0	0	15.2
Max.													
Sec.Ft.	0	13.5	29.5	19.5	32.5	40.5	46.0	48.0	37.5	27.0	19.5	0	48.0
Min.													
Sec.Ft.	0	0	12.0	9.0	4.5	15.0	15.0	20.5	19.5	13.0	0	0	0
Total													
Ac. Ft.	0	165.0	1,150.4	890.5	933.2	1,327.0	1,479.7	1,892.3	1,675.3	1,093.9	365.9	0	10,932.8

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	1	20.5	27	33.5	33	34	24.5	23	Dry	Dry	
2		0	0	20.5	27	33.5	29	33	26	20.5			
3		0	0	23	27	33.5	20.5	27.5	25.5	19			
4		0	0	23	22.5	33.5	21.5	17.5	25	17.5			
5		0	0	25	20	33	20	19.5	25	15.5			
6		0	0	24.5	20	32	20.5	24.5	20.5	14			
7		0	0	21.5	20	32	20	30	19.5	12			
8		8.5	1.5	20	19.5	30	18	36.5	16	9			
9		11.5	14.5	19.5	19.5	32	14	36	15.5	8			
10		14	15.5	18	19.5	31.5	13.5	39.5	12.5	6			
11		19.5	16.5	18	20.5	30	16	17	11	10			
12		21	15.5	17.5	23	28	21.5	24	17.5	8			
13		15	20.5	15	16.5	23	29	27	25	15	6.5		
14		19.5	18	17	23	35.5	23	24.5	15	7.5			
15		18.5	18.5	17	24	28	21.5	25.5	14	6			
16		19	19.5	22.5	30	24.5	27	21	14	6			
17		19	15.5	36	28.5	21.5	31.5	22	15.5	5			
18		18.5	19.5	33.5	30.5	20	31	21.5	15.5	5			
19		15	19.5	31	36	20	28	24	15	0.5			
20		14.5	19	29.5	28	20.5	26	31	15	0			
21		15	20.5	29.5	29	16.5	26	34	14.5	0			
22		15	46	28.5	28	14.5	28	36.5	11	0			
23		12	35	27	27	15	32	32	15.5	0			
24		10	24	27	27	15	32	24.5	25	0			
25		8.5	25.5	27	26	14	28.5	21.5	24.5	0			
26		7.5	25.5	27	31.5	15.5	33.5	19	24	0			
27		11	23	25	33	14	36	26	23	0			
28		18	23	25	33	15.5	32	27	23	0			
29		15.5	23	27	27	21	29	24.5	23	0			
30		14	22	27	27	22	34	24	19.5	0			
31			21.5	26		31.5		25.5		0			
Sec.Ft.													Year Period
Mean													
Sec.Ft.	0	348.5	502.0	750.0	719.0	777.5	772.5	818.1	556.5	200.5	0	0	14.9
Max.													
Sec.Ft.	0	21.0	46.0	36.0	31.0	35.5	36.0	36.5	26.0	23.0	0	0	46.0
Min.													
Sec.Ft.	0	0	0	16.5	19.5	14.0	13.5	17.0	11.0	0	0	0	0
Total													
Ac. Ft.	0	691.3	997.7	1,487.6	1,426.1	1,542.2	1,534.2	1,320.7	1,103.8	397.7	0	0	11,801.3

TABLE NO. 17 - Continued

WATSON DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	1.5	19	19	25	18.5	14.5	22.5	8.5	7.5	Dry	Dry	
2	0	1.5	17.5	19	25	21.5	14.5	23.5	13	6.5			
3	0	2	23	19	25	26	16	25.5	11.5	5			
4	0	2	16.5	19	25	23.5	15.5	24.5	11.5	3			
5	0	1.5	27	19	25	20	14.5	23.5	13.5	1.3			
6	0	2	28	17.5	25	17.5	12	24.5	13	2			
7	0	2	23.5	17	25.5	16	12	24.5	14	0.6			
8	0	1.5	26	17	25.5	16.5	11	23	16	0			
9	0	3	24	17	25	17.5	11.5	20.5	15.5	0			
10	0	4.5	23.5	17	25.5	16.5	13	16	17.6	0			
11	0	5.5	16.5	17	26.5	18.5	14	14	18.5	0			
12	0	7.5	16.5	17.5	25.5	17	17	14.5	14.5	0			
13	0	6.5	21	19.5	30	17	20	15	17	0			
14	0	3.5	19	19.5	31.5	17.5	20	13	24	0			
15	0	10	19	19.5	31	17.5	14	10.5	26	0			
16	0	9	18.5	19.5	30	18.5	14.5	14	26	0			
17	0	9.5	16.5	19.5	31	18.5	17.5	17.5	25	0			
18	0	11.5	15.5	19.5	26	17	18.5	19.5	23.5	0			
19	0	17.5	15	16	19.5	17.5	21	20.5	24	0			
20	0	28.5	14	12.5	19.5	18.5	24	21	26	0			
21	0	23.5	19.5	12	20	14	23	20.5	22.5	0			
22	0	23.5	25	12	19.5	14.5	16	20	18.5	0			
23	0	30.5	25	13.5	17	17.5	9.5	21.5	14	0			
24	0	29	26	20	17.5	21.5	10	21.5	15	0			
25	0	20	26	23.5	19	17	12	19.5	14	0			
26	0	14	28.5	24	19.5	13.5	8	18	14	0			
27	0	17.5	29	24	19.5	14	9.5	14	13.5	0			
28	0	21.5	26.5	25.5	19.5	15	13.5	17	11	0			
29	0	23.5	20.5	25.5	16	13.5	14.5	12	0	0			
30	0.5	16.5	13.5	25	16	15.5	13.5	11.5	0	0			
31	1.0	16	25	25	14.5	14.5	11	11	0	0			
Sec.Ft. Days	1.5	350.0	649.0	590.5	673.5	544.5	445.5	578.5	504.6	25.9	0	0	Year Period
Mean Sec.Ft.	0	11.7	20.9	19.0	24.1	17.6	14.8	18.7	16.8	0.8	0	0	12.0
Max. Sec.Ft.	1.0	30.5	29.0	25.5	31.5	26.0	24.0	25.5	26.0	7.5	0	0	31.5
Min. Sec.Ft.	0	1.5	13.5	12.0	17.0	13.5	8.0	10.5	8.5	0	0	0	0
Total Ac. Ft.	3.0	694.2	1,287.3	1,171.2	1,335.9	1,080.0	883.6	1,147.5	1,000.9	51.4	0	0	8,655.0

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	15	16	18.5	16.5	Dry	Dry	
2						0	20	17	20.5	21.5			
3						0	23	16	20.5	21.5			
4						0	16	16	26.5	20.5			
5						0	5.5	14.5	24	19			
6						0	13	15.5	23.5	16			
7						0	15	26.5	24.5	12			
8						0	10	25	26.5	11.5			
9						0	9.5	17.5	27	12			
10						0	25	13	24	11.5			
11						0	24	21	21	14.5			
12						0	21	24.5	21	14.5			
13						0	11.5	25	21.5	12			
14						0	6	25.5	21.5	9			
15						0	14	25	23.5	6.5			
16						2	19	25.5	21	4			
17						3	11	27.5	19	2			
18						10.5	15.5	30	18	0			
19						3.5	15	25	17	0			
20						6.5	16	21.5	15.5	0			
21						3	14.5	19.5	15	0			
22						1	14.5	23	14.5	0			
23						4	14.5	23.5	14	0			
24						11.5	17.5	14	28.5	0			
25						16	13	30	19	0			
26						15	15	30	15	0			
27						13.5	17.5	29	13.5	0			
28						15.5	18.5	25	14.5	0			
29						17.5	18	24	14	0			
30						17.5	16.5	23.5	15	0			
31						16.5	16.5	19.5	15	0			
Sec.Ft. Days	0	0	0	0	0	158.5	459.0	705.0	585.0	225.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	5.1	15.3	22.7	19.5	7.3	0	0	5.8
Max. Sec.Ft.	0	0	0	0	0	18.0	25.0	30.0	27.0	21.5	0	0	30.0
Min. Sec.Ft.	0	0	0	0	0	0	5.5	13.0	13.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	314.4	910.4	1,398.4	1,160.3	447.3	0	0	4,230.8

TABLE NO. 17 - Continued

WATSON DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	9.5	14	13.5	13	3.5	Dry	Dry	
2					0	9	15	17	15.5	1			
3					0	11	14	18	15	0			
4					0	12	16.5	10.5	14	0			
5					0	13.5	16	10	14.5	0			
6					0	11	0	15.5	13	0			
7					0	11	0	16	14.5	0			
8					0	10.5	0	17	15	0			
9					0	10.5	0	17	14.5	0			
10					0	10	24	15.5	13.5	0			
11					0	12	22.5	13	12	0			
12					0	16	19	19	12.5	0			
13					0	9.5	19.5	20	12	0			
14					0	10	20	20.5	11	0			
15					0	16.5	20	14.5	12.5	0			
16					0	11.5	18.5	14.5	20.5	0			
17					0	9	17.5	18.5	21	0			
18					0	11	18.5	22	19	0			
19					0	18	15	20.5	18.5	0			
20					0	24	13	18.5	16.5	0			
21						4.5	21.5	12.5	16.5	15.5	0		
22						6.5	19.5	14.5	17	15.5	0		
23						9	23.5	18.5	22.5	15	0		
24						11.5	26	16	21	15	0		
25						12.5	23	11	18	14	0		
26						14	18.5	15	19	12.5	0		
27						14.5	16	13	19	10.5	0		
28						12	18.5	19	16	6.5	0		
29							23	20.5	11	5	0		
30							18.5	16	11	5.5	0		
31							17		12	0			
Sec.Ft. Days	0	0	0	0	86.5	472.5	439.0	514.0	413.0	4.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	3.1	15.2	14.6	16.6	13.8	0.1	0	0	5.3
Max. Sec.Ft.	0	0	0	0	14.5	26.0	24.0	22.5	21.0	3.5	0	0	26.0
Min. Sec.Ft.	0	0	0	0	0	9.0	0	10.0	5.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	171.6	937.2	870.8	1,019.5	819.2	8.9	0	0	3,827.2

TABLE NO. 18

MILL CREEK BELOW MILLER DROP

Point of diversion - The first 40 second-feet of flow measured at this station is diverted into Persian Ditch, which heads on the south bank of Mill Creek five miles below the gaging station and nineteen miles below McKey Point in the southwest quarter of Section 26, Township 18 South, Range 24 East, M.D.B. and M.

Maximum diversion capacities - Mill Creek, 440 second-feet. Persian Ditch, 80 second-feet.

Location of gaging station - On Mill Creek fourteen miles below McKey Point in the southwest quarter of Section 27, Township 18 South, Range 25 East, M.D.B. and M. Map designation 19.

Description of gaging station - A timber trapezoidal control section, staff gage and water stage recorder, rated by frequent current meter measurements.

Operating agency - Persian Ditch Company.

Gross service area - 6,300 acres.

Period of record - 1917-1949; intermittent during the years ending September 30, 1917 and 1918; no record during the years ending September 30, 1919 and 1923; continuous from October 1, 1919 to September 30, 1922 and from October 1, 1923 to September 30, 1949.

Criteria governing diversions - First 40 second-feet of the flow in Mill Creek reaching the head of Persian Ditch. The flow in Mill Creek reaching the head of Persian Ditch includes a portion of the water previously diverted from St. Johns Branch and conveyed to the Kaweah Branch through Ketchum Ditch and 25 per cent of the water previously diverted from St. Johns Branch and conveyed to Kaweah Branch through Jennings Ditch. (See Tables No. 21 and No. 26). Jennings Ditch entitlements are in addition to the 40 second-feet allowance which applies to Kaweah Branch and Ketchum Ditch water, only. At high river stages, diversions from Kaweah Branch are increased to a maximum of 58 second-feet.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	9	163	84	16	28	0	Dry	Dry	
2				0	13	45	43	16	20	0			
3				4	20	34	26	21	14	7			
4				14	102	27	18	25	16	17			
5				72	45	54	16	18	17	24			
6				12	24	46	18	17	14	21			
7				8	26	27	30	22	18	20			
8				29	22	27	23	23	16	18			
9				36	21	25	21	30	11	22			
10				22	19	25	26	38	12	18			
11				151	15	24	29	48	16	15			
12				89	14	20	25	62	21	14			
13				29	13	14	22	69	25	13			
14				8	18	14	28	84	22	13			
15				3	55	13	27	94	15	14			
16				3	25	13	22	109	15	9			
17				6	14	13	18	90	15	4			
18				15	14	13	14	58	15	2			
19				12	13	13	18	46	15	0			
20				12	12	14	19	54	11	0			
21				14	12	13	32	77	6	0			
22				15	12	13	36	106	6	0			
23				15	88	14	26	107	6	0			
24				14	88	15	25	131	5	0			
25				14	41	16	24	142	3	0			
26				123	157	16	21	133	2	0			
27				51	104	19	12	100	1	0			
28				17	164	21	13	81	0	0			
29				9	190	18	17	57	0	0			
30				9		15	17	39	0	0			
31				9		57		29					
Sec.Ft. Days	0	0	0	815.0	1,350.0	841.0	750.0	1,942.0	365.0	331.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	26.3	40.0	27.1	25.0	62.6	12.2	7.5	0	0	17.2
Max. Sec.Ft.	0	0	0	151.0	190.0	163.0	84.0	142.0	22.0	24.0	0	0	190.0
Min. Sec.Ft.	0	0	0	0	9.0	13.0	12.0	16.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	1,616.5	2,677.7	1,666.1	1,487.0	3,552.0	724.0	458.2	0	0	12,484.1

TABLE NO. 18 - Continued

MILL CREEK BELOW MILLER DROP

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	17.5	41	61	31.5	39	134	14.5	15	Dry	
2		0	0	14	31	56	34.5	30	138	14	14.5		
3		0	0	21.5	29.5	57	27	35	140	14	14.5		
4		0	0	33.5	31.5	46	21	38.5	147	13.5	14		
5		0	0	30.5	28	57	162	38	1-9	13.5	14		
6		0	0	32	30.5	80	138	50	170	12.5	13.5		
7		0	0	29	13.5	80	137	87	164	13	13.5		
8		0	0	20.5	12.5	75	120	133	130	13	14		
9		0	0	27.5	66	67	102	188	93	17.5	14		
10		0	0	36	101	55	116	192	119	18.5	13.5		
11		0	0	34.5	55	52	146	232	146	16	13.5		
12		0	0	33	178	47	121	247	152	15	13.5		
13		0	0	37	78	42	100	210	122	14	12		
14		0	0	38.5	35	50	97	196	114	13.5	0.7		
15		0	0	33.5	34	48	98	189	115	13	0.7		
16		0	0	40	29.5	43	96	159	114	6.5	0.7		
17	0.5	0	0	39	25.5	45	89	169	124	3	10		
18	2	58	36	22	47	82	82	185	109	2	14.5		
19	3	52	36	23	49	63	63	158	110	0	15		
20	2.5	22	35	35.5	52	43	43	161	113	0	12		
21	2	12.5	32	43	46	42	42	171	102	0	1		
22	2	14.5	36	34	50	41	182	77	0	1.5			
23	2.8	54	34.5	25	48	37	195	72	0	0.5			
24	3.5	63	91	49	56	34.5	195	59	0	0			
25	5	71	66	53	58	33.5	189	33	0	0			
26	2	36	40	30	47	29	191	32	5.5	0			
27	0	70	20	25	42	27	177	26	25	0			
28	0	141	17	22.5	38	27	156	16.5	25.5	0			
29	0	50	14		40	3-	141	13	20.5	0			
30	0	34	20.5		36	47	153	14	17.5	0			
31		22.5	45		32		140		16				
Sec.Ft. Days	0	25.5	70.5	1,046.5	1,183.5	1,602.0	2,170.0	4,626.5	3,047.5	337.0	236.1	0	Year Period
Mean Sec.Ft.	0	0.8	22.0	33.8	42.3	51.7	72.5	149.2	101.6	10.9	7.6	0	41.0
Max. Sec.Ft.	0	5.0	141.0	91.0	178.0	80.0	162.0	247.0	170.0	25.5	15.0	0	247.0
Min. Sec.Ft.	0	0	0	14.0	12.5	32.0	21.0	30.0	13.0	0	0	0	0
Total Ac. Ft.	0	50.2	1,389.4	2,079.7	2,347.5	3,177.6	4,316.1	9,176.7	6,044.7	668.4	468.3	0	29,718.6

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	0	20.5	20.5	16	15.5	81	16.5	12.5	Dry	
2		0	0	0	20.5	21	15.5	16.5	84	14	8.5		
3		0	0	0	29.5	23.5	15.5	16	87	15.5	2		
4		0	31	0.5	25	30.5	41	16.5	132	16	0		
5		0	11.5	0	24	38	34.5	18.5	160	19	0		
6		5	7.5	0	36	40	24.5	23.5	153	16.5	0		
7		1	0	0	34.5	28	15	26	134	14.5	0		
8		0	0	0	32	15.5	14.5	23.5	119	14	0		
9		0	0	0	29	15.5	14	25.5	144	11.5	0		
10		0	0	0	28	15.5	15	22.5	157	6	0		
11		13	0	27	31.5	16.5	24	18	166	4	0		
12		23	0	46	40	16.5	21	21.5	157	0	0		
13		17	0	48	37	17	24	27.5	117	0	0		
14		15.5	0	43	28	17	21	21	106	0	0		
15		15	0	42	24.5	19	18.5	20.5	106	0	0		
16		16.5	0	38	23.5	16.5	17.5	20.5	104	0	0		
17		19.5	0	32	30	16.5	17	16	101	7	0		
18		30	0	29	42	19.5	15	23	106	18.5	0		
19		26	0	28	41	17	17	30.5	97	19.5	0		
20		25	0	28	32	16	24.5	45	93	21	0		
21		23.5	0	28	23.5	14.5	24.5	52	63	18	0		
22		22.5	0	31	32	12.5	22	97	54	17.5	0		
23		27.5	0	53	31	14.5	22	124	49	17.5	0		
24		26	0	33	27	16	19.5	103	40	17	0		
25		21.5	0	64	25	16	22	126	33.5	16.5	0		
26		3.5	0	79	23.5	15.5	24.5	140	19	16.5	0		
27		4	0	42	24	15	18.5	116	13.5	16.5	0		
28		10.5	0	97	22.5	15.5	17	98	19	16.5	0		
29		1.5	0.5	31	15.5	15.5	15.5	78	22.5	15	0		
30		0	6	20	16	15.5	15.5	61	19.5	14.5	0		
31			6	21	16.5			67		13.5	0		
Sec.Ft. Days	0	347.0	62.5	860.5	818.0	587.0	606.0	1,509.5	2,737.0	393.5	23.0	0	Year Period
Mean Sec.Ft.	0	11.6	2.0	27.8	29.2	16.9	20.2	48.7	91.2	12.7	0.7	0	21.8
Max. Sec.Ft.	0	30.0	31.0	97.0	42.0	40.0	41.0	140.0	166.0	21.0	17.5	0	165.0
Min. Sec.Ft.	0	0	0	0	20.5	12.5	14.0	15.5	13.5	0	0	0	0
Total Ac. Ft.	0	686.3	134.0	1,706.8	1,622.5	1,164.3	1,202.0	2,924.1	5,428.8	780.5	45.6	0	15,750.9

TABLE NO. 18 - Continued

MILL CREEK BELOW MILLER DROP

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	20	17	60	22.5	117	72	135	1	13.5	Dry	
2		0	19	17	58	15.5	116	62	118	1	11		
3		0	12.5	17	53	15.5	118	61	96	1	6		
4		0	12	16.5	52	28	122	94	62	1	0		
5		0	13.5	16	55	55	123	140	40	1	0		
6		0	12.5	10	41	74	133	139	37	1	0		
7		0	13	7.5	34	34	125	140	35	1	0		
8		0	13	8	35	29	121	157	37	1	0		
9		0	13	8	35	186	120	188	31	1	0		
10		0	15	8	38	395	116	183	22.5	1	0		
11		0	12	8	44	440	117	184	22.4	1	0		
12		0	8	8	43	370	115	183	19	1	0		
13		0	7.5	8	40	260	115	184	18.5	1	0		
14		0	4	8	48	230	109	156	18	1	0		
15		0	2	7	63	207	102	111	18	1	0		
16		0	2	6	62	188	103	75	19	1	0		
17		0	2	5.5	54	184	108	70	23.5	3.5	0		
18		0	1.5	5	36	280	100	66	24.5	14.5	0		
19		0	0	5	31	390	80	62	21.5	19.5	0		
20		0	0	4.5	31	317	78	64	18	22	0		
21		25	0	40	34	262	77	74	18	20	0		
22		34	0	203	50	266	80	88	17	19.5	0		
23		32	0	244	59	285	72	87	16.5	18.5	0		
24		46	56	275	86	212	69	100	12	19.5	0		
25		26	43	166	80	187	69	124	10	20	0		
26		27	19	118	46	184	65	161	9	19.5	0		
27		25	17	105	39	155	64	165	2.5	19	0		
28		26	23	82	29	130	70	154	1	19	0		
29		27	23	69		123	77	141	1	15	0		
30		24	19.5	79		126	72	135	1	15	0		
31			17	78		118		133		14	0		
Sec.Ft. Days	0	292.0	399.0	1,649.0	1,336.0	5,768.5	2,951.0	3,753.0	903.9	274.5	30.5	0	Year Period
Mean Sec.Ft.	0	9.7	12.9	53.2	47.7	186.1	96.4	121.1	30.1	8.9	1.0	0	47.6
Max. Sec.Ft.	0	46.0	56.0	275.0	86.0	440.0	133.0	188.0	135.0	22.0	13.5	0	440.0
Min. Sec.Ft.	0	0	0	4.5	29.0	15.5	64.0	61.0	1.0	1.0	0	0	0
Total Ac. Ft.	0	579.2	791.4	3,270.8	2,649.9	11,441.8	5,853.3	7,444.1	1,792.9	544.5	60.5	0	34,428.4

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	29.5	43	17.5	22	18	0	Dry	Dry	
2			0	0	25	27.5	20.5	24.5	24	0			
3			0	0	24	21.5	21.5	30.5	30.5	0			
4			0	5	30.5	17	15	35.5	20.5	0			
5			0	2.5	30.5	66	13.5	39	25.5	0			
6			0	13.5	26	12.5	14	25	38	0			
7			0	27	29.5	8	17	17.5	18.5	0			
8			0	4	35	8.5	19.5	25.5	19.5	0			
9			0	0	45	9	20	40	15.5	4.5			
10			0	0	37.5	10	15.5	29	15.5	21			
11			0	0	33	12.5	15.5	28.5	15	19.5			
12			0	0	30.5	15.5	16.5	38	16	18			
13			0	0	29	19	15.5	41	15.5	17			
14			0	0	26.5	17	14.5	47	15	16			
15			0	0	26.5	15.5	13.5	46	15.5	16			
16			0	0	22.5	15.5	12	33.5	15	16			
17			4	0	19	14	12	30.5	6	15.5			
18			5	0	19.5	12.5	15.5	25.5	0	15.5			
19			1	0	18	13	24	20.5	0	15			
20			16.5	0	17.5	13.5	27	16	0	14.5			
21			37	0	17.5	13.5	18.5	17	0	14.5			
22			37	0	48	12.5	16.5	21.5	0	8			
23			16.5	0	36	11.5	17.5	30	0	0			
24			7	20.5	20	12	15	25	0	0			
25			3	30	29	16.5	17	32	0	0			
26			2	40	35	18	14	38	0	0			
27			1.5	35	44	13.5	14	31	0	0			
28			1.5	19	29.5	15.5	15	37	4.5	0			
29			1.5	17	26.5	15.5	14	39	4	0			
30			1.5	16.5		15	15.5	23.5	0	0			
31			1	32		15.5		23		0			
Sec.Ft. Days	0	0	130.0	264.0	840.0	530.0	497.0	922.0	332.0	211.0	0	0	Year Period
Mean Sec.Ft.	0	0	4.4	8.5	29.0	17.1	16.6	30.1	11.1	6.8	0	0	10.2
Max. Sec.Ft.	0	0	37.0	40.0	48.0	66.0	27.0	47.0	38.0	21.0	0	0	66.0
Min. Sec.Ft.	0	0	0	0	17.5	8.0	12.0	16.0	0	0	0	0	0
Total Ac. Ft.	0	0	269.8	523.7	1,666.1	1,051.3	985.8	1,848.6	658.5	418.5	0	0	7,422.3

TABLE NO. 18 - Continued

MILL CREEK BELOW MILLER DROP

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	31.5	16.5	34	22	46	120	28	25.5	10		Dry
2		0	48	16.5	284	21.5	46	122	34.5	23	10		
3		0	68	16.5	312	20.5	43	157	49.5	18.5	10		
4		0	52	16.5	125	20.5	36	128	91	11	10.5		
5		0	52	16.5	53	19	19	101	109	11	10.5		
6		0	55	16.5	35	18	18	97	100	11	10		
7		0	50	15.5	28	18.5	18.5	90	71	12	10		
8		0	38.5	15.5	22	20.5	84	56	56	10.5	10		
9		0	36	13.5	20	20.5	31	77	57	7	10		
10		0	33.5	11.5	18.5	20	26.5	86	56.5	0	6		
11		100	32	12	18	21	21.5	91	60	0	0		
12		120	32	12	17.5	21.5	20	122	69	0	0		
13		50	29	12.5	17.5	21.5	17.5	124	75	0	0		
14		24	27.5	12.5	19.5	23.5	17.5	110	98	0	0		
15		15.5	27	13	67	61	16.5	117	105	0	0		
16		13	26	13	40	61	16.5	116	106	0	0		
17		15	25.5	13.5	18	24.5	19.5	131	102	0	0		
18		32	25.5	13	12.5	25	31	132	97	0	0		
19		16	25.5	13	12	25	43	117	92	7.5	0		
20		9	31	13	12	23	62	96	127	21.5	0		
21		6	29.5	13	15	28	76	64	142	20.5	0		
22		8.5	31.5	12.5	25.5	40	82	56	142	20	0		
23		19.5	45	12.5	27.5	71	84	53	128	19.5	0		
24		25.5	27.5	12.5	28	62	84	53.5	92	17.5	0		
25		27	22	4.5	24.5	52	92	57.5	34	17	0		
26		24	18	0	24	120	96	56.5	29.5	17	0		
27		22.5	17	0	23.5	89	100	54.5	30.5	14.5	0		
28		23.5	16.5	0	23.5	72	69	51.5	30.5	10.5	0		
29		30	17	0	68	89	45	28	10.5	0	0		
30		33.5	17.5	0	64	133	42	26	10.5	0	0		
31			16.5	0	52	52	31	31	10	0	0		
Sec.Ft. Days	0	614.5	1,003.5	337.5	1,357.0	1,227.5	1,474.5	2,782.5	2,266.0	326.0	97.0	0	Year Period
Mean Sec.Ft.	0	20.5	32.4	10.9	48.5	39.6	49.2	89.8	75.5	10.5	3.1	0	31.5
Max. Sec.Ft.	0	120.0	68.0	16.5	312.0	120.0	133.0	157.0	142.0	25.5	10.5	0	157.0
Min. Sec.Ft.	0	0	16.5	0	12.0	18.0	16.5	31.0	26.0	0	0	0	0
Total Ac. Ft.	0	1,218.9	1,990.4	669.4	2,691.6	2,434.8	2,924.7	5,519.1	4,494.6	646.6	192.4	0	22,782.5

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	29.5	0	1.5	0	35.5	22	28.5	17.5	18.5			Dry
2	0	9	0	4	0	36	18.5	28.5	17.5	17			Dry
3	0	0	0	18.5	0	36	19.5	21.5	18	16.5			
4	0	0	0	24	0	34.5	15.5	17.5	18	16.5			
5	0	0	0	43	0	26.5	15.5	18	18	16			
6	0	0	0	48	0	23.5	15.5	19.5	17	16			
7	0	18	0	26.5	0	24	15.5	28.5	17	16			
8	0	21	0	20.5	0	25.5	15.5	41.5	16	15.5			
9	0	26	0	13	0	35	15	40	15	12			
10	0	52	7	8	0	37	15	29.5	14.5	6			
11	0	73	19	6	16	44.5	15	18	5.5	0			
12	0	96	19	1.5	45	37	16	18	1.5	0			
13	0	85	19	0	45	19.5	17.5	18	0	0			
14	0	56	13	0	5	26.5	16.5	18	0	0			
15	0	40.5	11.5	0	43	17	16.5	19	0	0			
16	0	41	12	9	31.5	16.5	18.5	17.5	1	0			
17	0	34.5	9	17.5	20.5	16.5	23	17.5	0.5	0			
18	0	25.5	7	20.5	19	16.5	35	17.5	0	0			
19	0	23.5	5.5	22.5	39	16.5	27.5	18	0	0			
20	0	24	7	23.5	31	16.5	25	23	0	0			
21	0	24	10	22.5	25.5	16	21.5	29	0	0			
22	0	25	137	14	31	15.5	25.5	36	0	0			
23	0	25	96	2	37	16	26.5	28	19	0			
24	0	29.5	45	2.5	43	15.5	23.5	18	28	0			
25	0	33.5	137	4	49	15.5	43	17.5	22.5	0			
26	0	46	43	3	34	16	69	17.5	20.5	0			
27	0	33	40.5	0	34	17	87	18	19.5	0			
28	0	18.5	26	0	34	16.5	72	18	18.5	0			
29	0	16.5	20	0	34	21.5	61	17.5	19.5	0			
30	72	16.5	64.5	0	56	38	38	17.5	18.5	0			
31	77		2.5	0	47			17.5		0			
Sec.Ft. Days	149.0	922.0	840.5	355.5	622.5	793.0	841.0	692.0	336.0	150.0	0	0	Year Period
Mean Sec.Ft.	4.8	36.7	27.1	11.5	22.2	25.6	28.0	22.3	11.2	4.8	0	0	15.6
Max. Sec.Ft.	77.0	96.0	160.0	48.0	49.0	56.0	87.0	41.5	28.0	18.5	0	0	160.0
Min. Sec.Ft.	0	0	0	0	0	15.5	15.0	17.5	0	0	0	0	0
Total Ac. Ft.	295.6	1,826.8	1,667.1	705.1	1,234.7	1,572.9	1,668.1	1,372.6	666.5	297.5	0	0	11,308.9

TABLE NO. 18 - Continued

MILL CREEK BELOW MILLER DROP

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	15.5	29.5	24	12.5	12	17.5	14	3.5	Dry	Dry	
2		0	15	23.5	25	18.5	12	20.5	14.5	1.5			
3		0	11	23	25	18	12	30.5	11	0			
4		0	11	23	25	13.5	12	29	0	0			
5		0	18	25	27	12	12	23.5	0	0			
6		0	57	8	28	11.5	11.5	28.5	0	0			
7		0	76	8	29.5	11.5	11.5	26.5	0	0			
8		0	27	8	32	11.5	11.5	23.5	0	0			
9		0	11	8	32	11.5	11.5	20.5	0	0			
10		0	7	8	62	11.5	11.5	13	0	0			
11		0	7	8	49	11.5	11.5	10.5	0	0			
12		0	7	8	45.5	11.5	11.5	12.5	0	0			
13		0	7	9.5	39	11.5	12.5	15.5	9.5	0			
14		0	7	9.5	40	11.5	12.5	15	32	0			
15		0	7	9	37	11.5	12.5	14.5	30.5	0			
16		0	7	9	53	11.5	12	16	29	0			
17		0	7	9	50	11	16	19.5	22	0			
18		0	7	9.5	33	11	15	21	17.5	0			
19		0	7	14	17	11	17	25.5	17	0			
20		39	7	20.5	13.5	11	23	23.5	17.5	0			
21		31	17	20.5	12	10	17.5	20	15.5	0			
22		0	22	22	12	9.5	13.5	23	14	0			
23		52	22	37.5	12	10.5	14.5	23	13.5	0			
24		104	28.5	26	12	14	18.5	14	14	0			
25		62	38	19	12.5	12.5	13	17.5	13	0			
26		55	59	19.5	13	16	12.5	16	12.5	0			
27		29	62	21	13	13.5	11.5	15	12.5	0			
28		20.5	31	22	13	12.5	10	15	11.5	0			
29		19.5	7	24.5		12.5	10	15	8	0			
30		18	7	23.5		12.5	10	15	8	0			
31			13	24.5		12		14.5		0			
Sec.Ft.													Year
Days	0	430.0	623.0	530.0	786.0	378.5	389.5	598.5	337.0	5.0	0	0	Period
Mean													
Sec.Ft.	0	14.3	20.1	17.1	28.1	12.2	13.0	19.3	11.2	0.2	0	0	11.2
Max.													
Sec.Ft.	0	104.0	76.0	37.5	62.0	18.5	23.0	30.5	32.0	3.5	0	0	104.0
Min.													
Sec.Ft.	0	0	7.0	8.0	12.0	9.5	10.0	10.5	0	0	0	0	0
Total													
Ac. Ft.	0	852.9	1,235.7	1,051.3	1,559.0	750.8	772.6	1,187.1	668.4	9.9	0	0	8,087.7

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	0	9	19	Dry	Dry	Dry	
2						0	1	12	21				
3						0	13	9	20				
4						0	26	16	39				
5						0	9	36	32				
6						0	15	44	28				
7						0	15	39	29				
8						0	14	33	34				
9						0	14	18	34				
10						0	110	16	28				
11						0	108	21	23				
12						0	56	32	18				
13						0	18	37	19				
14						0	16	52	18				
15						0	4	53	19				
16						5	9	58	17				
17						0	10	61	16				
18						0	13	68	16				
19						0	14	39	16				
20						0	17	21	15				
21						0	20	18	15				
22						0	19	23	15				
23						0	10	44	15				
24						0	6	60	6				
25						0	4	62	0				
26						0	7	61	0				
27						0	27	62	0				
28						0	23	44	0				
29						0	17	35	0				
30						0	11	35	0				
31						0		19					
Sec.Ft.													Year
Days	0	0	0	0	0	5.0	626.0	1,135.0	512.0	0	0	0	Period
Mean													
Sec.Ft.	0	0	0	0	0	0.2	20.9	36.6	17.1	0	0	0	6.2
Max.													
Sec.Ft.	0	0	0	0	0	5.0	110.0	68.0	39.0	0	0	0	110.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	9.0	0	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	0	9.9	1,241.7	2,251.3	1,015.5	0	0	0	4,518.4

TABLE NO. 18 - Continued

MILL CREEK BELOW MILLER DROP

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	0	15.5	11.5	1.5				
2					0	0	15	12	0.5	Dry	Dry	Dry	
3					0	0	14.5	12.5	1.5				
4					0	0	14	11	0				
5					0	0	22	10.5	0				
6					0	0	40	11.5	0				
7					0	0	45	11.5	0				
8					0	0	43	11.5	2				
9					0	0	38	11	1				
10					0	0	26	11	0				
11					0	4.5	16	9	0				
12					0	24	14.5	15	0				
13					0	14	15	18.5	0				
14					0	5	16	22.5	0				
15					0	0	16.5	15	7.5				
16					0	0	12.5	15	33				
17					0	0	13	16.5	29.5				
18					0	0	12.5	21	20.5				
19					5	0	12	17.5	15				
20					9	9	11.5	16	8				
21					9	2	11	15.5	2.5				
22					0.5	0	11.5	15.5	2				
23					0	17.5	14	20	0				
24					0	31	15	20.5	0				
25					0	24	21.5	17.5	0				
26					0	19	12.5	19	0				
27					0	17	12	19	0				
28					0	17	15	14.5	0				
29						18.5	17.5	13.5	0				
30						17	11.5	11	0				
31						16.5		3					
Sec.Ft. Days	0	0	0	0	23.5	236.0	554.0	449.0	124.5	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0.8	7.6	18.5	14.5	4.2	0	0	0	3.8
Max. Sec.Ft.	0	0	0	0	9.0	31.0	45.0	22.5	33.0	0	0	0	45.0
Min. Sec.Ft.	0	0	0	0	0	0	11.0	3.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	46.6	468.1	1,098.9	890.6	246.9	0	0	0	2,751.1

TABLE NO. 19

LONGS CANAL NEAR HEAD

Point of diversion - One end one-quarter miles below McKey Point on the south bank of St. Johns Branch in the southeast quarter of Section 5, Township 18 South, Range 27 East, M.D.B. and M.

Maximum canal capacity - 40 second-feet.

Location of gaging station - 500 feet below head of canal in the southeast quarter of Section 5, Township 18 South, Range 27 East, M.D.B. and M., prior to December 1937 and since 1937 measurements at the pump itself on the river bank. Map designation 19.

Description of gaging station - Open channel section, staff gage and water stage recorder, rated by frequent current meter measurements, prior to the flood of December 1938, when diversion works and gaging station were destroyed. Since that time, diversions and measurements have been made by means of a rated low head electrically driven pumping plant.

Operating agency - Individual landowners.

Gross service area - 880 acres.

Period of record - 1922-1949; intermittent during the years ending September 30, 1922, 1924, 1926, 1927 and 1931; no record during the years ending September 30, 1923, 1928, 1929 and 1930; continuous from October 1, 1924 to September 30, 1925 and from February 19, 1931 to September 30, 1949.

Criteria governing diversions - First 15 second-feet of flow reaching the head of Longs Canal; next 7 second-feet in excess of flows required to meet the sum of 15 second-feet and downstream priorities of 202 second-feet, aggregating 217 second-feet at their respective points of diversion; maximum diversion, 22 second-feet.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1							0	13.2	13.6	13.4			
2	Dry		Dry	Dry	Dry	Dry	0	13.2	13.6	13.4	Dry	Dry	
3							0	13.3	13.6	13.4			
4							0	13.3	13.7	13.3			
5							0	13.4	13.7	13.3			
6							0	13.5	13.8	13.3			
7							0	13.5	13.8	13.3			
8							0	13.5	13.8	13.3			
9							0	13.5	13.8	13.3			
10							0	13.5	13.8	13.3			
11							0	13.5	13.7	13.3			
12							0	13.5	13.7	13.3			
13							0	13.5	13.7	13.3			
14							0	13.5	13.6	13.3			
15							0	13.5	13.6	13.3			
16							0	13.5	13.5	13.3			
17							0	13.5	13.5	13.3			
18							0	13.5	13.4	13.3			
19							0	13.5	13.4	13.3			
20							0	13.5	13.4	13.2			
21							0	13.6	13.4	13.2			
22							0	13.6	13.4	13.2			
23							0	13.6	13.4	13.2			
24							0	13.6	13.4	13.2			
25							0	13.6	13.4	13.2			
26								13.2	13.6	13.4			
27								13.2	13.6	13.4			
28								13.2	13.6	13.4			
29								13.2	13.6	13.4			
30								13.2	13.6	13.4			
31									13.6	13.4			
Sec.Ft.													Year
Mean	0	0	0	0	0	0	60.0	418.5	406.7	394.6	0	0	Period
Sec.Ft.	0	0	0	0	0	0	2.2	13.5	13.6	12.7	0	0	3.5
Max.													
Sec.Ft.	0	0	0	0	0	0	13.2	13.6	13.8	13.4	0	0	13.8
Min.													
Sec.Ft.	0	0	0	0	0	0	0	13.2	13.4	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	0	0	130.9	830.1	806.7	782.7	0	0	2,550.4

TABLE NO. 19 - Continued

LONGS CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	12.4	12.9	11.9	10.5	9.5	
2							0	12.4	12.9	11.9	10.5	0	
3							0	12.4	12.8	11.9	10.5	0	
4							0	12.4	12.8	11.9	10.4	0	
5							0	12.5	12.7	11.8	10.4	0	
6							0	13.5	12.8	11.7	10.4	0	
7							0	14	12.7	11.5	10.4	0	
8							0	14	12.5	11.5	10.3	0	
9							0	14	12.3	0	10.2	0	
10							0	14	12.4	0	0	0	
11							0	14	12.4	0	0	0	
12							0	14	12.4	13.4	6	0	
13							0	14	12.4	13.4	12.5	0	
14							0	13.7	12.4	13.4	12.5	0	
15							0	13.2	12.4	13.3	12.5	0	
16							0	13.5	12.4	13.3	12.5	0	
17							0	14	12.4	13.2	12.5	0	
18							0	14	12.4	13.2	12.5	0	
19							0	13	12.4	13.2	12.2	0	
20							0	13.2	12.4	13.2	12	0	
21							0	13.7	12.5	13	11.5	0	
22							0	13.7	12.5	12.8	11.3	0	
23							12.4	13.7	12.4	12.6	10.5	0	
24							12.4	13.6	12.2	11.5	10	0	
25							12.4	13.5	12	11	9.8	0	
26							12.4	13.5	12	11	9.8	0	
27							12.4	13.4	12	10.9	10	0	
28							12.4	13.3	11.8	10.8	10	0	
29							12.4	13.1	11.8	10.7	9.8	0	
30							12.4	13.1	11.9	10.7	9.8	0	
31								13		10.6	9.8		
Sec.Ft. Days	0	0	0	0	0	0	99.2	415.6	371.9	339.3	305.1	9.5	Year Period
Mean													
Sec.Ft.	0	0	0	0	0	0	3.3	13.4	12.4	10.9	9.8	0.3	4.2
Max.													
Sec.Ft.	0	0	0	0	0	0	12.4	14.0	12.9	13.4	12.5	9.5	14.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	12.4	11.8	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	0	0	196.8	824.3	737.7	673.0	605.2	18.8	3,055.8

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	5.2	0	11.8	12.6	13	Dry	
2							13	0	11.8	12.6	13		
3							13	0	12.1	12.6	13		
4							12.2	0	11.8	12.7	13		
5							12.7	0	11.4	12.8	8.5		
6							12.8	6.3	11.2	13	0		
7							12.9	12.3	11.4	13.1	0		
8							13	12.1	11.7	13.1	0		
9							13	11.9	9.1	13.1	0		
10							12.9	12.1	0	13.1	0		
11							12.8	6	0	13.1	0		
12							12.9	0	0	13.1	0		
13							12.8	0	6.7	13.2	13.2		
14							12.2	6.4	11.5	13.2	13.2		
15							12.7	12.8	11.5	13.2	8.4		
16							12.8	12.8	11.7	13.2	0		
17							12.5	12.8	11.7	13.2	0		
18							12.7	12.6	11.7	13.2	0		
19							12.7	12.2	11.9	13.2	0		
20							12.6	11.5	12.1	13.2	0		
21							12.6	11	12.2	13.2	0		
22							12.6	11	12.2	13.2	0		
23							12.6	11	12.3	13.2	0		
24							12.7	11	12.5	13.1	0		
25							5.3	11	12.6	13.1	0		
26							0	11	12.7	13.1	0		
27							0	11.8	12.9	13	0		
28							0	11.7	12.9	13	0		
29							0	12.2	12.8	13	0		
30							0	12.4	12.8	13	0		
31								12.1		13	0		
Sec.Ft. Days	0	0	0	0	0	0	303.1	266.1	317.0	404.4	100.3	0	Year Period
Mean													
Sec.Ft.	0	0	0	0	0	0	10.1	8.5	10.6	13.0	3.2	0	3.8
Max.													
Sec.Ft.	0	0	0	0	0	0	11.0	12.8	12.9	13.2	13.2	0	13.2
Min.													
Sec.Ft.	0	0	0	0	0	0	0	0	0	12.0	0	0	0
Total													
Ac. Ft.	0	0	0	0	0	0	601.8	531.8	628.8	802.1	198.9	0	2,763.4

TABLE NO. 19 - Continued

LONGS CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks	
1	Dry	Dry	Dry	Dry	Dry	Dry	0	11.6	11	12.2	11.5	Dry		
2							0	11.6	11	12.2	11.5			
3							0	11.6	11	12.2	11.7			
4							0	11.6	11	12.2	11.7			
5							0	11.6	11.2	12.2	12			
6							0	11.6	11.2	12.2	12.2			
7							0	11.6	11.2	11.9	12.2			
8							0	11.6	11.2	11.9	12.2			
9							0	11.6	11.2	11.9	12.2			
10							0	11.6	11.3	11.9	12.2			
11							0	11.6	11.3	11.9	12.2			
12							0	11.6	11.4	11.9	12.2			
13							0	11.6	11.4	11.8	12.2			
14							0	11.6	11.5	11.8	12.2			
15							0	11.6	11.5	11.8	10			
16							0	11.6	11.5	11.7	0			
17							0	11.6	11.5	11.7	0			
18							0	11.6	11.5	11.7	0			
19							0	11.6	11.6	11.7	0			
20							0	11.6	11.7	11.7	0			
21							0	11.6	11.7	11.7	0			
22							0	11.4	11.8	11.6	0			
23							0	11.3	12	11.5	0			
24							0	11	12	11.5	0			
25							0	11	12	11.5	0			
26							0	11	12.2	11.5	0			
27							0	11	12.2	11.5	0			
28							0	11	12.2	11.5	0			
29							0	11	12.2	11.5	0			
30							8.5	11	12.2	11.5	0			
31								11		11.5	0			
Sec.Ft. Days	0	0	0	0	0	0	0	8.5	354.3	340.7	365.3	178.2	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	0	0.3	11.4	11.6	11.8	5.7	0	3.4
Max. Sec.Ft.	0	0	0	0	0	0	0	8.5	11.6	12.2	12.2	12.2	0	12.2
Min. Sec.Ft.	0	0	0	0	0	0	0	11.0	11.0	11.5	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	0	16.9	702.7	687.7	724.6	353.4	0	2,485.3

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	11.5	11.4	11.1	11	8.5	Dry	
2						0	11.5	11.1	11.1	11	0		
3						0	11.4	10.9	11.1	11.1	0		
4						0	11.5	10.8	11.1	11.1	0		
5						0	11.5	10.9	11.1	11.2	0		
6						0	0	9.5	10.9	11	11.2	0	
7						0	0	0	11.1	11.3	0		
8						0	0	0	11	11.3	0		
9						0	8.7	10.8	11.1	11.3	0		
10						0	11.8	10.9	11.1	11	0		
11						0	11.7	10.9	11.1	10.5	0		
12						0	11.6	10.9	11.1	12.3	0		
13						0	11.8	10.9	11.1	12.4	0		
14						0	11.8	10.8	11.1	12.4	0		
15						0	11.8	10.8	11.1	12.4	0		
16						0	11.8	10.9	11.1	12.3	0		
17						0	12.1	11.2	11.1	12.2	0		
18						0	12	11.3	11.1	12.2	0		
19						0	12	11.4	11.1	12.2	0		
20						0	11.7	11.3	11.1	12.2	0		
21						0	11.8	11.3	11.1	12.2	0		
22						0	11.8	11.1	11.1	12.3	0		
23						8	0	10.9	11.1	12.4	0		
24						11.6	0	10.9	11.1	12.4	0		
25						11.6	0	10.9	11.1	12.3	0		
26						11.6	0	10.9	11.1	12.3	0		
27						11.6	11.7	11	11.1	12.2	0		
28						11.6	11.7	10.9	10.9	12.2	0		
29						11.6	11.7	10.8	10.9	12	0		
30						11.6	11.6	11	10.9	12.2	0		
31						11.6		11		12.2	0		
Sec.Ft. Days	0	0	0	0	0	100.8	270.0	318.8	332.2	367.3	8.5	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	3.3	9.2	10.3	11.1	11.8	0.3	0	3.8
Max. Sec.Ft.	0	0	0	0	0	11.6	12.1	11.4	11.1	12.4	8.5	0	12.4
Min. Sec.Ft.	0	0	0	0	0	0	0	0	10.9	10.5	0	0	0
Total Ac. Ft.	0	0	0	0	0	199.9	547.5	632.3	658.9	728.5	16.9	0	2,784.0

TABLE NO. 19 - Continued

LONGS CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	11.6	13.6	12.4	12.4	Dry	
2							0	11.6	13.8	12.2	12.4		
3							0	11.5	13.9	12	12.5		
4							0	11.5	14	11.8	12.2		
5							0	11.4	14	11.6	12		
6							0	11.4	14	11.3	11.9		
7							0	11.4	14	11.1	11.7		
8							0	11.5	14	11	11.5		
9							0	11.4	14	10.8	11.4		
10							0	11.5	14	10.7	11.3		
11							0	11.5	14	10.5	11.2		
12							0	11.5	13.6	10.7	11.1		
13							0	11.5	13.6	10.7	6		
14							0	11.7	13.6	10.5	0		
15							0	12	13.5	10.3	0		
16							0	11.7	13.5	4	0		
17							0	11.7	13.5	8	0		
18							0	11.9	13.4	13.4	0		
19							0	12.3	13.4	13.4	0		
20							0	12.8	13.4	13.4	0		
21							0	12.9	13.4	13.4	0		
22							0	12.9	13.2	13.4	0		
23							0	13	12.7	13.2	0		
24							7.8	13	12.5	13.1	0		
25							11.7	13	12.3	13.1	0		
26								11.7	13	12.4	13	0	
27								11.7	13	12.5	12.8	0	
28								11.7	13	12.5	12.8	0	
29								11.7	13	12.6	12.7	0	
30								11.7	13.2	12.5	12.5	0	
31									13.4	12.4	0		
Sec.Ft. Days	0	0	0	0	0	0	78.0	376.8	401.4	362.2	147.6	0	Year Period
Mean							2.6	12.2	13.4	11.7	4.8	0	3.7
Max. Sec.Ft.	0	0	0	0	0	0	11.7	13.4	14.0	13.4	12.5	0	14.0
Min. Sec.Ft.	0	0	0	0	0	0	0	11.4	12.3	4.0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	154.7	747.4	796.2	718.4	292.8	0	2,709.5

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	13.3	13.5	12.7	10.9	Dry	Dry	
2						0	13.3	13.4	12.8	10.8			
3						0	13.3	13.4	12.8	10.8			
4						0	13.3	13.4	12.6	10.8			
5						0	13.3	13.6	12.4	10.7			
6						0	13.3	13.7	12	10.7			
7						0	13.3	13.8	11.8	11			
8						0	13.2	13.8	11.5	12			
9						0	13.1	13.9	11.5	13			
10						0	13.3	13.6	11.5	13.1			
11						0	13.3	13.5	11.5	13.1			
12						0	13.4	13.4	11.5	13.1			
13						0	13.5	13.2	11.5	12.8			
14						0	13.4	13.1	11.8	12.5			
15						0	13.5	13.3	12	12			
16						0	13.6	13.3	12.2	11.7			
17						0	13.7	13.3	12.4	11.7			
18						0	13.8	13.5	12.4	5.5			
19						0	13.9	13.3	12.2	0			
20						0	14	13.3	12	0			
21						0	14	13	11.8	0			
22						0	14.1	12.9	11.6	0			
23						0	14.1	12.8	11.4	0			
24						0	14.2	12.6	11.2	0			
25						0	14.4	12.6	11.3	0			
26						0	14.5	12.6	11.2	0			
27						0	14.3	12.7	11.2	0			
28						0	14.2	12.6	11.1	0			
29						13.3	13.9	12.5	11.1	0			
30						13.3	13.7	12.6	11	0			
31						13.3		12.7		0			
Sec.Ft. Days	0	0	0	0	0	45.9	410.2	408.9	354.0	206.2	0	0	Year Period
Mean						1.5	13.7	13.2	11.8	6.7	0	0	3.9
Max. Sec.Ft.	0	0	0	0	0	13.3	14.5	13.9	12.8	13.1	0	0	14.5
Min. Sec.Ft.	0	0	0	0	0	0	13.1	12.5	11.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	91.0	813.0	811.1	702.2	409.0	0	0	2,826.9

TABLE NO. 19 - Continued

LONGS CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	13.6	13.3	Dry	Dry	Dry	
2							0	0	13.6				
3							0	0	12.9				
4							0	12.7	12.6				
5							0	14	3				
6							0	14	0				
7							0	14	0				
8							0	14	0				
9							0	13.8	0				
10							0	13.2	0				
11							0	12.3	0				
12							0	12.3	0				
13							0	13.1	0				
14							0	12.8	0				
15							0	12.4	0				
16							0	13.5	0				
17							0	13.7	0				
18							0	13.7	0				
19							0	14.1	0				
20							0	14.1	0				
21							0	13.9	0				
22							0	14	0				
23							0	14.2	0				
24							0	13.9	0				
25							0	13.7	0				
26							0	13.6	0				
27							0	13.2	0				
28							11.8	12.8	0				
29							11.5	12.5	0				
30							12	12.5	0				
31								13.6					
Sec.Ft. Days	0	0	0	0	0	0	35.3	369.2	55.4	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	1.2	12.6	1.8	0	0	0	1.3
Max. Sec.Ft.	0	0	0	0	0	0	12.0	14.2	13.6	0	0	0	14.2
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	70.0	772.0	109.9	0	0	0	951.9

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	14.6	13.9	13.9	13.5	Dry	Dry	
2						0	14.7	13.9	13.9	13.5			
3						0	14.6	13.9	14	13.4			
4						0	14.5	14	14	13.3			
5						0	14.4	14	14.1	13.3			
6						0	14.3	14	14	13.2			
7						0	14.2	14	13.9	13.1			
8						0	14.1	14.1	14	13.1			
9						0	14	14.1	14	13.1			
10						0	13.9	14.1	14.1	13.1			
11						0	13.8	14	14.2	13.1			
12						0	13.7	14	14.3	13.1			
13						0	13.6	13.9	14.4	13.1			
14						0	13.5	13.8	14.5	13.1			
15						0	13.4	13.8	14.4	13.2			
16						0	13.3	13.7	14.3	13.2			
17						0	13.2	13.6	14.3	12.9			
18						12.5	13.3	13.5	14.2	12.6			
19						12.7	13.3	13.5	14.1	12.2			
20						13	13.4	13.4	14	12.2			
21						13.2	13.4	13.4	13.9	8.6			
22						13.4	13.5	13.5	13.9	0			
23						13.7	13.6	13.5	13.8	0			
24						13.9	13.6	13.6	13.8	0			
25						14.2	13.7	13.6	13.7	0			
26						14.3	13.7	13.6	13.7	0			
27						14.3	13.8	13.7	13.7	0			
28						14.4	13.9	13.7	13.6	0			
29						14.4	13.9	13.8	13.6	0			
30						14.5	13.9	13.8	13.6	0			
31						14.6		13.8		0			
Sec.Ft. Days	0	0	0	0	0	200.1	414.8	427.2	419.9	269.9	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	6.5	13.8	13.8	14.0	8.7	0	0	4.7
Max. Sec.Ft.	0	0	0	0	0	14.6	14.7	14.1	14.5	13.5	0	0	14.7
Min. Sec.Ft.	0	0	0	0	0	0	13.2	13.4	13.6	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	390.9	822.8	847.3	832.9	535.3	0	0	3,435.2

TABLE NO. 19 - Continued

LONGS CANAL NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	14	15	13.0	Dry	Dry	
2							0	14.1	15	13.0			
3							0	14.2	15	13.5			
4							0	14.3	15.2	10			
5							0	14.3	15.2	0			
6							0	14.3	15.2	0			
7							0	14.3	15	0			
8							0	14.2	14.8	0			
9							0	14	14.6	0			
10							0	14	14.4	0			
11							0	14	14.2	0			
12							0	14	14.2	0			
13							0	14.6	14.1	0			
14							0	15.0	14.2	0			
15							0	14.6	14.2	0			
16							0	14	14.2	0			
17							0	14.2	14.2	0			
18							3	14.0	14.4	0			
19							14.1	14.8	14.4	0			
20							14.1	15	14.4	0			
21							14.1	15.2	14.4	0			
22							14	15.2	14.4	0			
23							14.9	15.2	14.2	0			
24							14.9	15.2	14.2	0			
25							14.8	15.2	14	0			
26							14.7	15	13.7	0			
27							15.0	15	13.7	0			
28							15.7	14.8	13.7	0			
29							13.8	14.8	13.7	0			
30							13.9	14.8	13.6	0			
31										0			
Sec.Ft. Days	0	0	0	0	0	0	169.0	451.7	431.3	50.7	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	5.7	14.0	14.4	1.0	0	0	3.0
Max. Sec.Ft.	0	0	0	0	0	0	14.1	15.2	15.2	13.6	0	0	15.2
Min. Sec.Ft.	0	0	0	0	0	0	0	14.0	13.6	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	336.4	895.9	855.5	100.6	0	0	2,188.4

TABLE NO. 20

LANES SLOUGH NEAR HEAD

Point of diversion - Four and three-quarters miles below McKey Point on the south bank of St. Johns Branch in the southeast quarter of Section 2, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 100 second-feet.

Location of gaging station - 500 feet below head of slough in the southeast quarter of Section 2, Township 18 South, Range 26 East, M.D.B. and M. Map designation ⑩.

Description of gaging station - A timber control section, staff gage and water stage recorder, rated by frequent current meter measurements.

Operating agency - Visalia and Kaweah Water Company, prior to June 30, 1921.

Period of record - July 5, 1917 to June 30, 1921; no record since 1921.

Remarks - The use of Lanes Slough as a diversion channel was discontinued in the summer of 1921 and water entitlements of Visalia and Kaweah Water Company appertaining thereto were diverted through the Packwood Canal until January 1930, subsequent to which they have been diverted through the Ketchum Ditch. All flows from June 3 to 18, 1920, inclusive, and during May and June 1921, were diverted for the Tuare Irrigation District.

TABLE NO. 21

KETCHUM DITCH NEAR HEAD

Point of diversion - Five miles below McKay Point on the south bank of St. Johns Branch in the northeast quarter of Section 11, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 125 second-feet.

Location of gaging station - 500 feet below head of ditch in the northeast quarter of Section 11, Township 18 South, Range 26 East, M.D.B. and M. Map designation ②1.

Description of gaging station - Open section, staff gage and water stage recorder, rated by frequent current meter measurements, prior to December 1936; Parshall Measuring Flume since December 1936.

Operating agencies - Visalia and Kawesh Water Company, Tulare Irrigation Company and Tulare Irrigation District.

Gross service areas - Visalia and Kawesh Water Company, 18,300 acres; Tulare Irrigation Company, 7,300 acres; Tulare Irrigation District, 33,500 acres.

Period of record - 1917-1949; intermittent during the years ending September 30, 1920 and 1924; no record during the years ending September 30, 1919, 1921, 1922 and 1923; continuous from May 1, 1917 to September 30, 1918 and from October 1, 1924 to September 30, 1949.

Criteria governing diversions -

- (a) For Visalia and Kawesh Water Company - First 60 second-feet of flow reaching the head of Ketchum Ditch. This rate of diversion is continued until the river flow exceeds 200 second-feet when diversions for Visalia and Kawesh Water Company are terminated; in effect since January 1930.
- (b) For Tulare Irrigation Company - 35 second-feet, when the flow reaching the head of Ketchum Ditch exceeds 200 second-feet; first 5 second-feet in excess of 300 second-feet; next 5 second-feet in excess of 400 second-feet; next 5 second-feet in excess of 500 second-feet; next 5 second-feet in excess of 600 second-feet; next 5 second-feet in excess of 700 second-feet; maximum diversion, 60 second-feet.

(a) For Visalia and Kawesh Water Company

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	8	0	11	Dry	Dry	Dry	Dry	Dry	0	Dry	Dry	
2	0	7.5	0	15						0			
3	0	7	0	28.5						34.5			
4	0	0	0	35						53.5			
5	0	0	0	35						59.5			
6	0	0	0	33						60.5			
7	0	0	0	34						60			
8	0	0	0	46						59.5			
9	0	0	0	50.5						59.5			
10	15	0	0	25						59.5			
11	0	0	0	0						59.5			
12	15	0	0	0						59.5			
13	16.5	0	0	0						58.5			
14	17	0	0	0						58			
15	18	0	0	0						57			
16	16	0	0	0						54.5			
17	12	0	0	37.5						53.5			
18	4	0	0	56						49.5			
19	5.5	0	0	55.5						44.5			
20	0	0	0	55						42			
21	0	0	0	55						40.5			
22	6	0	0	54.5						37.5			
23	1	0	0	54.5						33.5			
24	0	0	0	54.5						28.5			
25	0	0	0	56						26			
26	0	0	0	0						26			
27	0	0	0	0						25			
28	6	0	0	0						25.5			
29	17	0	0	8						23			
30	13.5	0	10	0						20.5			
31	7.5	0	11	0						2			
Sec.Ft. Days	170.0	22.5	29.0	791.5	0	0	0	0	0	1,269.0	0	0	Year Period
Mean Sec.Ft.	5.5	0.8	0.9	25.5	0	0	0	0	0	40.9	0	0	6.2
Max. Sec.Ft.	18.0	8.0	11.0	56.0	0	0	0	0	0	60.5	0	0	60.5
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	337.2	44.8	57.5	1,569.9	0	0	0	0	0	2,517.1	0	0	4,526.3

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

(b) For Tulare Irrigation Company

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	35.5	58	56	49.5	58	35.5	Dry	Dry	
2				0	36	55	52	58	57.5	35			
3				0	38.5	53	51.5	61	56	7			
4				0	44.5	51	50.5	59.5	56.5	0			
5				0	40	49	46	59	56	0			
6				0	38	47	42	59	52.5	0			
7				0	37.5	45.5	42	59	50.5	0			
8				0	37	46	42.5	61.5	52	0			
9				0	38.5	46	45.5	63.5	54.5	0			
10				23	36	45	47.5	65.6	56	0			
11				26	35.5	45	49	66	53	0			
12				25	35	41	50.5	65	51	0			
13				34.5	35	38.5	54.5	65	51	0			
14				35.5	37.5	38.5	58	65.5	51	0			
15				34.5	38.5	38	59.5	67	47.5	0			
16				35	36.5	38	57	67.5	43.5	0			
17				12	39.5	39	47.5	65	43	0			
18				0	35.5	39	42.5	62.5	42.5	0			
19				0	35.5	39.5	42.5	63.5	41.5	0			
20				0	35.5	40	47	71	37.5	0			
21				0	35.5	37	55.5	82.5	35	0			
22				0	35.5	35.5	59	78.5	35	0			
23				0	48	35.5	62	78.5	35	0			
24				0	56	35.5	62.5	80	35	0			
25				0	57	43	62	80	35	0			
26				76.5	74.5	47	52.5	77.5	35	0			
27				55	64.5	54.5	47.5	76.5	34.5	0			
28				51	60.5	52	46	76	36	0			
29				43.5	63.5	49	45	74	38	0			
30				37		49	45.5	72	38.5	0			
31				36		56		66.5	0	0			
Sec. Ft. Days	0	0	0	524.5	1,234.5	1,386.0	1,521.0	2,095.5	1,368.0	77.5	0	0	Year Period
Mean Sec. Ft.	0	0	0	16.9	42.6	44.7	50.7	67.6	45.6	2.5	0	0	22.4
Max. Sec. Ft.	0	0	0	76.5	74.5	58.0	62.5	82.5	58.0	35.5	0	0	82.5
Min. Sec. Ft.	0	0	0	0	35.0	35.5	42.0	49.5	34.5	0	0	0	0
Total Ac. Ft.	0	0	0	1,040.4	2,448.7	2,749.1	3,016.9	4,156.4	2,713.4	153.7	0	0	16,278.6

(e) For Visalia and Keweenaw Water Company

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	57.8	0	60	Dry	Dry	Dry	Dry	0	62.4	25.8	
2		0	58.5	34.1	60					0	61.7	23.9	
3		0	56	49	59.7					0	61.7	7.9	
4		0	6.8	60.7	59.4					0	60.7	4.4	
5		0	3.5	61.4	59.4					0	60	2.5	
6		0	0	61.4	42.8					0	61	0	
7		0	0	25.8	0					0	63.7	0	
8		0	0	0	0					0	66.4	0	
9		0	0	35.2	0					0	62.4	0	
10		0	0	59.7	0					0	60.7	0	
11		0	0	59.4	0					0	62	0	
12		2	0	59.1	0					0	59.4	0	
13		35.6	0	58.8	0					0	55.3	0	
14		58.1	0	62	0					0	47.3	0	
15		60.4	0	62	0					0	48.8	0	
16		60.1	0	60.7	0					0	49.1	0	
17		60.4	3.8	60.1	0					0	78.7	0	
18		60.7	37	59.7	0					0	73.5	0	
19		60.1	59.4	59.7	0					0	59.7	0	
20		57.5	55	59.4	0					0	55.6	0	
21		57.5	54.3	59.4	0					0	44.9	0	
22		57.2	54.6	60.7	0					0	41.8	0	
23		58.1	28.3	60.1	0					0	39.2	0	
24		60.1	0	25	0					0	38.7	0	
25		59.7	0	0	0					0	36	0	
26		60.1	0	0	0					29.9	32	0	
27		60.7	0	0	0					55.9	31	0	
28		60.7	0	0	0					57.1	29.5	0	
29		60.7	0	0	0					65	28.7	0	
30		58.8	0	35.2	0					66.3	28	0	
31			0	60	0					65.4	27	0	
Sec. Ft. Days	0	1,048.5	473.0	1,288.6	341.3	0	0	0	0	339.6	1,586.9	64.5	Year Period
Mean Sec. Ft.	0	35.0	15.3	41.6	12.2	0	0	0	0	11.0	51.2	2.2	14.1
Max. Sec. Ft.	0	60.7	59.4	62.0	60.0	0	0	0	0	66.3	78.7	25.8	78.7
Min. Sec. Ft.	0	0	0	0	0	0	0	0	0	0	27.0	0	0
Total Ac. Ft.	0	2,079.7	938.2	2,556.0	677.0	0	0	0	0	673.6	3,147.6	127.9	10,200.0

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

(b) For Tulare Irrigation Company

Diversions in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	51.8	0	37.3	34.3	52.5	34.6	Dry	Dry	
2				0	51.2	0	35.4	34.6	59	34.6			
3				0	53	0	35.7	34.9	68.8	34.9			
4				0	52.5	0	53.7	36.2	70.9	34.6			
5				0	51.8	0	63.4	36.2	72.3	34.9			
6				0	53.7	0	49	42	73	34.3			
7				0	53	20.8	37.5	55.8	71.9	34.3			
8				0	53	35.7	35.4	67.4	70.2	34.6			
9				0	51.8	0	37	39.8	44.6	70.5	34.9		
10				0	51.8	30.2	35.1	77.6	73.3	34.3			
11				0	50.6	37.5	35.7	70.2	73	34.3			
12				0	21.1	37.8	35.7	62.6	72.6	33.8			
13				0	0	37.3	36.2	44.3	71.2	33.3			
14				0	0	37	39.8	44.6	70.5	33.8			
15				0	0	37.5	41.2	44.6	70.5	34.6			
16				0	0	36.8	40.6	42.3	70.2	34.6			
17				0	0	36	41.5	40	69.8	16.2			
18				0	0	34.9	40.6	40.9	69.5	0			
19				0	0	34.1	40.6	47.9	68.4	0			
20				0	0	33.6	41.2	67.8	67.1	0			
21				0	0	33.6	43.5	74.4	65.7	0			
22				0	0	33.6	45.8	75	65.4	0			
23				0	0	33.6	45.8	73.7	61.1	0			
24				0	0	34.1	45.5	73.7	48.8	0			
25				27.2	0	35.1	45.5	74.7	42.9	0			
26				39.5	0	35.1	45.2	73.3	38.9	0			
27				38.9	0	34.9	45.2	69.5	38.7	0			
28				49.3	0	35.1	45.2	70.2	37.5	0			
29				55.6	0	35.7	39.2	67.4	34.9	0			
30				53.7	0	36.2	34.3	66	37.6	0			
31				52.5	0	37.5	0	53	0	0			
Sec.Ft. Days	0	0	0	316.7	595.3	875.4	1,245.9	1,773.4	1,857.8	566.6	0	0	Year Period
Mean Sec.Ft.	0	0	0	10.2	21.3	28.2	41.5	57.2	61.9	18.3	0	0	19.8
Max. Sec.Ft.	0	0	0	55.6	53.7	37.8	63.4	77.6	73.3	34.9	0	0	77.6
Min. Sec.Ft.	0	0	0	0	0	0	34.3	34.3	34.9	0	0	0	0
Total Ac. Ft.	0	0	0	628.2	1,180.8	1,736.4	2,471.2	3,517.5	3,684.9	1,123.9	0	0	14,342.9

(a) For Visalia and Keweenaw Water Company

Diversions in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	79	57.5	Dry	Dry	Dry	Dry	Dry	0	45.2	Dry	
2		0	69.4	57.5						0	39.5		
3		0	36.8	37.5						0	36.2		
4		0	34.9	57.5						0	34.1		
5		0	33.3	56.2						0	32.3		
6		0	31	58.8						0	39.2		
7		0	30	57.5						0	37.8		
8		0	31	54.3						0	39.5		
9		0	31.5	53						0	34.6		
10		0	29.5	50.9						0	30.2		
11		0	29.5	49.4						0	28.7		
12		0	29.5	48.8						0	25.6		
13		0	29.5	47.6						0	24.4		
14		0	29	47.3						0	24		
15		0	27	46.8						0	23.5		
16		0	26	50						0	11.9		
17		0	26	49.1						0	0		
18		0	25.6	44.3						30	0		
19		0	25.1	36.8						61.1	0		
20		33.3	25.1	40.1						64.4	0		
21		58.1	25.1	0						62.4	0		
22		52.9	24.6	0						60.1	0		
23		56.5	28	0						58.8	0		
24		62	0	0						59.1	0		
25		79.4	0	0						57.8	0		
26		84.5	50	0						57.5	0		
27		81.9	64	0						57.5	0		
28		82.7	62.7	0						57.5	0		
29		82.7	62.7	0						56.8	0		
30		80.8	60.1	0						54.3	0		
31			57.5	0						49.4	0		
Sec.Ft. Days	0	757.8	1,113.4	1,022.9	0	0	0	0	0	788.7	506.7	0	Year Period
Mean Sec.Ft.	0	25.3	35.9	33.0	0	0	0	0	0	25.4	16.3	0	11.5
Max. Sec.Ft.	0	82.7	79.0	58.8	0	0	0	0	0	64.4	45.2	0	82.7
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	1,503.1	2,208.4	2,028.9	0	0	0	0	0	1,564.4	1,005.1	0	8,309.9

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

(b) For Tulare Irrigation Company

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	48.2	41.8	4.9	75.1	74.4	34.9	Dry	Dry	
2			0	0	47	41.8	4.9	74.7	71.6	34.6			
3			0	0	43.8	41.2	4.9	74	67.8	34.9			
4			0	0	41.5	42.6	4.9	75.4	63.4	34.3			
5			0	0	41.2	45.5	4.6	72.3	59.4	34.1			
6			0	0	40.6	47.6	4.2	73	53	34.1			
7			0	0	40.6	45.8	3.5	74.4	37.3	33.3			
8			0	0	42.3	46.1	3.3	74.4	38.4	32.8			
9			0	0	41.8	65.4	3.3	72.6	40.1	10.6			
10			0	0	40.9	63	3.1	72.6	42	0			
11			0	0	40.6	60.4	3.1	73.3	42.3	21.3			
12			0	0	40.6	54.3	2.9	71.9	41.5	33.3			
13			0	0	40.6	57.5	2.9	71.6	40.6	32.3			
14			0	0	40.6	60.4	2.9	69.8	40.9	31.5			
15			0	0	41.2	58.1	2.4	66.1	40.9	34.9			
16			0	0	41.3	54.6	2.4	63	41.5	33.8			
17			0	0	41.5	55.6	2.2	61.7	42.3	35.7			
18			0	0	41.2	74.4	2.2	60.1	42.6	19.1			
19			0	0	41.2	65	2.1	61.1	42.3	0			
20			0	0	41.2	60.7	2.1	64	41.2	0			
21			0	73.4	41.5	58.8	1.5	66.7	41.2	0			
22			0	60.7	42.6	32	1.5	69.5	40.3	0			
23			0	60.4	42.9	5.9	33.5	71.6	37.8	0			
24			62	51.2	45.5	5.9	68.1	74.7	34.9	0			
25			56.2	42.6	44.3	5.7	69.8	70.9	35.4	0			
26			0	39.8	42.9	5.7	68.4	77.2	36	0			
27			0	40.6	42.3	5.7	68.1	77.2	36	0			
28			0	37	41.8	5.4	72.6	77.2	36	0			
29			0	52.5	5.1	5.1	73.7	75.4	35.7	0			
30			0	58.1	5.1	5.1	73.3	73.7	35.4	0			
31			0	50.9	4.9	4.9	71.6	71.6	0	0			
Sec.Ft. Days	0	0	118.2	567.2	1,181.7	1,222.0	597.3	2,212.8	1,332.2	525.5	0	0	Year Period
Mean Sec.Ft.	0	0	3.8	18.3	42.2	39.4	19.9	71.4	44.4	17.0	0	0	21.3
Max. Sec.Ft.	0	0	62.0	73.4	48.2	74.4	73.7	77.2	74.4	35.7	0	0	77.2
Min. Sec.Ft.	0	0	0	0	40.6	4.9	1.5	60.1	34.9	0	0	0	0
Total Ac. Ft.	0	0	234.5	1,125.0	2,343.9	2,423.8	1,184.8	4,389.1	2,642.4	1,042.3	0	0	15,385.8

(a) For Visalia and Keweenaw Water Company

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	39.8	64	57.8	0	Dry	Dry	0	24.2	Dry
2			0	0	44.6	62.7	55.9	0			0	7.3	
3			0	0	68.8	63	54	0			0	3.7	
4			0	0	43.1	66.4	54.3	0			0	2	
5			0	0	0	64.7	34.7	0			0	0	
6			0	0	64	0	0	0			0	0	
7			0	0	62.7	0	0	0			0	0	
8			0	0	61.1	0	0	0			0	0	
9			0	0	64	0	0	0			40.4	0	
10			0	0	59.4	0	0	0			66.1	0	
11			0	0	58.8	0	0	0			65	0	
12			0	14.6	58.1	0	0	0			62.4	0	
13			0	44.9	57.5	0	0	0			62.1	0	
14			0	44.6	56.5	0	0	0			61.4	0	
15			0	44.4	56.2	0	0	0			61.1	0	
16			47.3	44.6	55.9	0	0	0			60.4	0	
17			48.8	44.1	55.0	0	0	0			59.4	0	
18			50.3	42.6	55	0	35.5	0			58.8	0	
19			66.1	46.1	58.5	0	58.5	0			58.1	0	
20			77.9	45.5	58.8	0	31.0	0			37.2	0	
21			88.3	47.3	59.4	0	0	0			54.6	0	
22			78.7	45.8	48.8	0	0	0			51.8	0	
23			64.7	47.6	0	0	0	0			47	0	
24			55	46.5	33.7	0	0	0			43.8	0	
25			52.5	33.2	56.9	0	0	0			37.3	0	
26			54	60.4	58.1	0	0	0			37.3	0	
27			42.9	59.4	56.9	0	0	0			34.9	0	
28			41.8	59.7	53.7	0	0	0			30.8	0	
29			40.9	59.1	53.9	0	0	0			30.3	0	
30			58.9	61.1	0	0	0	0			31	0	
31			45.5	66.4	0	0	0	0			28	0	
Sec.Ft. Days	0	0	893.6	1,154.2	1,622.3	256.7	125.6	0	0	1,143.2	37.2	0	Year Period
Mean Sec.Ft.	0	0	28.8	37.2	55.9	6.3	4.2	0	0	36.9	1.2	0	14.3
Max. Sec.Ft.	0	0	88.3	68.8	66.4	57.8	58.5	0	0	66.1	24.2	0	88.3
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	1,772.5	2,269.4	3,217.8	589.2	249.1	0	0	2,267.5	73.8	0	10,373.3

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

(b) For Tulare Irrigation Company

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	54.6	0	0	0	36	37	53.7	34.6	Dry	Dry	
2		0	54	0	0	0	36.5	38.4	52.5	34.9			
3		0	53.1	0	0	0	37	38.9	50.6	35.1			
4		0	53.4	0	0	0	36.8	44.3	53.7	35.1			
5		0	55.3	0	0	23.9	36.2	71.5	54.3	34.3			
6		0	60.7	0	0	45.5	36	95.9	72.3	34.1			
7		0	58.5	0	0	43.8	36.2	91	75.4	34.1			
8		0	55	0	0	41.8	36.5	92	58.8	33.8			
9		0	50.6	0	0	38.9	36	90.1	53.4	12.6			
10		0	47.6	0	0	35.1	39.2	65.4	45.2	0			
11		0	49.1	0	0	39.8	35.4	64.7	41.5	0			
12		21.7	51.5	0	0	40.1	36.2	64.7	41.5	0			
13		27.5	51.2	0	0	36.1	35.4	65	41.8	0			
14		29	50	0	0	36.2	35.1	65.7	39.5	0			
15		28.5	46.8	0	0	35.1	34.9	62.5	35.1	0			
16		31.5	0	0	0	34.6	35.1	55.9	34.6	0			
17		31.5	0	0	0	34.9	34.6	47	33.8	0			
18		36.2	0	0	0	35.7	13.5	41.2	33.6	0			
19		40.9	0	0	0	36	0	40.6	35.1	0			
20		54.3	0	0	0	36.2	17.4	41.2	36.5	0			
21		62.7	0	0	0	35.7	35.1	41.5	36.5	0			
22		73	0	0	8.5	35.7	34.6	42.3	36.2	0			
23		70.9	0	0	33.3	35.4	35.1	47.6	36	0			
24		69.8	0	13.6	14	35.7	35.4	53.7	36.2	0			
25		66.1	0	15.9	0	36	35.4	54	36.2	0			
26		63	0	0	0	36	35.1	53.7	36.8	0			
27		60.4	0	0	0	36	36	53.1	36.8	0			
28		57.5	0	0	0	35.7	35.4	54.3	37.6	0			
29		57.2	0	0	0	35.7	35.1	57.2	36.2	0			
30		56.5	0	0	0	35.7	36.2	55	34.6	0			
31		0	0	0	0	35.7		55.3	0	0			
Sec.Ft. Days	0	938.2	793.4	29.5	55.8	993.1	993.3	1,780.7	1,305.2	288.6	0	0	Year Period
Mean Sec.Ft.	0	31.3	25.6	1.0	1.9	32.0	33.1	57.4	43.5	9.3	0	0	19.6
Max. Sec.Ft.	0	73.0	60.7	15.9	33.3	45.5	37.0	95.9	75.4	35.1	0	0	95.9
Min. Sec.Ft.	0	0	0	0	0	0	0	37.0	33.6	0	0	0	0
Total Ac. Ft.	0	1,860.9	1,573.7	56.5	110.7	1,969.8	1,970.2	3,532.0	2,588.9	572.5	0	0	14,237.2

(a) For Visalia and Llewellyn Water Company

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	56.3	Dry	Dry	Dry	Dry	Dry	Dry	0	Dry	
2		0	14.8	56.5							0		
3		0	66.7	56.5							0		
4		0	57.5	60.7							0		
5		0	57.5	60.7							0		
6		0	59.4	54.8							0		
7		0	61.4	40.1							0		
8		0	62.1	39.8							0		
9		0	59.4	17.6							0		
10		0	56.5	0							0		
11		21	54	0							0		
12		57	51.8	0							0		
13		39.5	49.4	0							0		
14		2.7	48.2	0							19		
15		0	48.2	0							35.7		
16		0	46.7	0							7.5		
17		0	46.1	0							4.1		
18		0	45.8	0							3.7		
19		0	46.7	0							0		
20		0	57.2	0							0		
21		0	68.4	0							0		
22		0	71.2	0							0		
23		0	67.1	0							0		
24		0	60.7	0							0		
25		0	58.9	0							0		
26		0	58.1	0							0		
27		0	57.2	0							0		
28		0	57.2	0							0		
29		0	58.1	0							0		
30		0	57.5	0							0		
31		0	56.5	0							0		
Sec.Ft. Days	0	120.2	1,660.3	445.0	0	0	0	0	0	0	70.0	0	Year Period
Mean Sec.Ft.	0	4.0	53.0	14.4	0	0	0	0	0	0	2.3	0	6.3
Max. Sec.Ft.	0	57.0	71.2	60.7	0	0	0	0	0	0	35.7	0	71.2
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	238.4	3,291.2	882.7	0	0	0	0	0	0	138.8	0	4,553.1

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

(b) For Tulare Irrigation Company

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	60.7	40	70.2	46.7	42.6	Dry	Dry	
2					0	60.7	39.5	70.2	45.8	42.3			
3					0	60.1	38.9	70.2	51.8	42			
4					0	60.7	38.7	70.2	67.1	39.8			
5					0	60.7	38.4	68.8	67.4	36.5			
6					0	60.1	38.4	68.8	63.7	36.2			
7					0	60.1	38.4	68.8	58.5	36			
8					0	60.1	38.7	68.1	48.2	35.7			
9					0	60.1	38.9	67.1	48.5	35.1			
10					0	60.4	38.7	68.8					
11					0	60.7	38.4	68.8	50.6	34.9			
12					0	61	38.1	69.5	55.6	34.9			
13					0	61.4	37.8	69.1	59.7	34.9			
14					0	62	37.6	67.1	60.1	34.9			
15					29.2	70.5	37.3	65.4	59.4	34.1			
16					62.1	64.7	37.8	66.7	58.8	34.1			
17					62.1	64	38.9	68.8	58.5	33.8			
18					61.7	63	40.1	67.7	59.4	33			
19					62.1	61.4	40.0	64.4	66.4	9			
20					61.7	61.4	55.2	59.4	61.7	0			
21					61.1	40	67.4	46.2	61.7	0			
22					61.1	38.4	67.1	43.5	60.1	0			
23					60.7	37.6	66.7	44	58.5	0			
24					60.7	63.7	66.4	45.8	53.1	0			
25					60.7	63	66.7	47.6	44	0			
26					60.7	72.3	66.1	48.2	42	0			
27					60.7	66	66.1	47.6	42.3	0			
28					60.7	63.7	66.7	48.2	42.6	0			
29						62.4	68.1	47.6	42.9	0			
30						61.7	69.5	47.6	42.6	0			
31						50.6		46.7		0			
Sec.Ft.													
Days	0	0	0	0	825.3	1,879.2	1,461.2	1,873.1	1,623.1	665.5	0	0	Year Period
Mean													
Sec.Ft.	0	0	0	0	29.5	60.6	48.7	60.4	54.1	21.5	0	0	22.8
Max.													
Sec.Ft.	0	0	0	0	62.1	72.3	69.5	70.2	67.4	42.6	0	0	72.3
Min.													
Sec.Ft.	0	0	0	0	0	38.4	37.3	43.5	42.0	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	1,637.0	3,727.4	2,898.3	3,715.3	3,219.4	1,320.0	0	0	15,517.4

(a) For Viselle end Keweah Meter Company

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	29	0	62.1	62.7	Dry	Dry	0	60.4	Dry	Dry	
2		0	5.9	0	62.1	60.7			0	60.7			
3		0	43.8	36.6	62.7	60.1			0	60.1			
4		0	5.4	0	62.6	59.8			0	60.1			
5		0	5.4	0	62.7	59.1			0	58.8			
6		0	4.6	0	62.7	58.8			0	56.5			
7		22	4.1	0	62.7	56.5			0	53.1			
8		42.9	62.7	0	62.4	59.8			0	48.2			
9		47.9	62.1	0	62.4	60.7			0	46.1			
10					62.1	61			0	42			
11		62.4	61.7	0	62.4	60.7			0	41.5			
12		63	62.7	0	62.4	37.5			0	35.7			
13		63.4	61.4	0	61.4	0			0	37.3			
14		63.7	36.2	0	60.7	0			0	34.3			
15		63.4	59.1	0	60.7	0			0	32.8			
16		63.7	60.7	37.2	63	0			0	34.1			
17		62.1	61.4	63.7	62.7	0			0	26.3			
18		61	38.8	63.7	62.4	0			0	23.3			
19		59.7	57.5	63.4	62.1	0			0	9			
20		59.4	55.6	63.4	61.4	0			0	2.1			
21		60.7	67.4	63.4	60.7	0			0	0			
22		60.4	40.4	63	60.7	0			0	0			
23		60.1	0	62.7	61.4	0			37.8	0			
24		59.1	0	63	62.1	0			62.4	0			
25		60.1	0	63.4	62.7	0			59.8	0			
26		60.0	0	63.7	62.4	0			59.4	0			
27		59.1	0	63.4	62.1	0			59.4	0			
28		58.8	0	63.7	61.4	0			61.7	0			
29		58.8	0	62.7	0	0			61.4	0			
30		63	0	62.4	0	0			60.7	0			
31			0	62.1	0	0				0			
Sec.Ft.													
Days	0	1,376.9	924.4	984.6	1,736.2	699.4	0	0	461.6	822.4	0	0	Year Period
Mean													
Sec.Ft.	0	46.0	29.8	31.8	62.1	22.6	0	0	15.4	26.5	0	0	19.2
Max.													
Sec.Ft.	0	63.7	67.4	63.7	63.0	62.7	0	0	62.4	60.7	0	0	67.4
Min.													
Sec.Ft.	0	0	0	0	0.7	0	0	0	0	0	0	0	0
Total													
Ac. Ft.	0	2,755.0	1,832.5	1,953.0	3,447.7	1,387.3	0	0	915.6	1,631.2	0	0	13,903.3

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

(b) For Tulare Irrigation Company

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	0	36.8	0	35.7	Dry	0	38.7	62.7	36.2	Dry	Dry	Dry	
2	0	35.1	0	35.4		0	37.6	62.7	36.8				
3	0	34.1	0	35.7		0	37.3	61.7	36.8				
4	0	33.8	0	34.9		0	37.3	57.5	36.8				
5	0	33	0	36.2		0	36.8	51.2	36.8				
6	0	31.5	0	35.7		0	35.7	56.5	36.2				
7	0	15.7	0	34.9		0	35.4	61.4	35.1				
8	0	0	0	34.6		0	35.1	60.7	34.1				
9	0	0	0	34.1		0	35.1	60.4	34.1				
10	0	0	0	34.1		0	34.9	54	33.6				
11	0	0	0	34.1		0	35.4	47.6	32.8				
12	0	0	0	34.1		13.5	36.2	47.3	32.5				
13	0	0	0	34.1		37.3	37	47.3	32.5				
14	0	0	0	34.1		37.3	37.3	42.3	32.5				
15	0	0	0	34.4		36.5	37.3	38.9	32.5				
16	0	0	0	14.2		36.2	39.5	38.4	32.5				
17	0	0	0	0		36.2	42.3	37.8	33.3				
18	0	0	0	0		36.2	42.9	37.8	35.1				
19	0	0	0	0		36.2	46.4	38.7	36.5				
20	0	0	0	0		36.2	49.4	39.2	36.5				
21	0	0	0	0		36.2	49.4	42.6	36.5				
22	0	0	23.4	0		36.2	49.4	43.5	36				
23	0	0	40.9	0		36.2	50	38.4	14.9				
24	0	0	38.1	0		36.2	54.3	36.2	0				
25	0	0	41.2	0		36.2	64	36.2	0				
26	0	0	38.9	0		36.2	64.7	36.2	0				
27	0	0	37	0		36.8	64.7	36.8	0				
28	0	0	36.5	0		36.8	65	36.2	0				
29	0	0	36.2	0		36.8	65.4	36.2	0				
30	45.8	0	36	0		41.2	64	36.2	0				
31	36.4	0	35.7	0		40.1		36.2	0				
Sec. Ft. Days	88.8	220.0	363.9	536.3	0	714.3	1,358.5	1,418.8	780.6	0	0	0	Year Period
Mean													
Sec. Ft.	2.9	7.3	11.7	17.3	0	23.0	45.3	45.8	26.0	0	0	0	15.0
Max.													
Sec. Ft.	45.8	36.8	41.2	36.2	0	41.2	65.4	62.7	36.8	0	0	0	65.4
Min.													
Sec. Ft.	0	0	0	0	0	0	34.9	36.2	0	0	0	0	0
Total													
Ac. Ft.	176.1	436.4	721.8	1,063.8	0	1,416.8	2,694.6	2,814.2	1,548.3	0	0	0	10,872.0

(a) For Visalia and Kaweah Water Company

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	60.7	55.9	60.7	34.3	35.7		0	44.9	Dry	Dry	
2		0	69.5	55.6	60.7	35.1	35.7	Dry	0	43.5			
3		0	70.2	55	60.7	35.4	35.7		0	35.7			
4		0	70.2	54.3	61.1	35.1	35.7		0	32			
5		0	73	54.3	61.4	34.6	35.7		0	32			
6		0	0	54.3	61.1	34.6	35.4		0	29.5			
7		0	0	54.3	61.1	34.3	35.1		0	21.2			
8		0	0	54.3	61.7	34.3	35.1		0	3			
9		0	0	54.3	61.7	34.3	35.1		0	2			Drainage not included in total
10		0	0	54.3	64.7	34.3	35.1		0	1			
11		0	53.7	54.3	53.7	34.3	35.1		0	2			
12		0	53.7	57.5	59.8	34.3	35.7		0	2.2			
13		0	53.1	60.1	58.8	34.6	0		38.3	3.7			
14		0	53.1	60.1	58.1	35.1	0		60.7	0			
15		0	52.5	59.4	57.8	35.1	0		60.7	0			
16		0	52.5	58.8	57.5	35.1	0		60.7	0			
17		0	51.8	58.8	60.4	35.4	0		60.1	0			
18		0	51.2	58.8	48.9	35.7	0		61.1	0			
19		0	50.6	58.8	55.4	35.4	0		62.4	0			
20		0	50.6	58.8	55.1	35.1	0		62.7	0			
21		0	63.2	58.8	35.1	35.1	0		61.4	0			
22		0	67.4	58.8	35.1	35.1	0		59.4	0			
23		0	67.4	59.1	34.9	35.7	0		60.1	0			
24		0	67.4	59.1	34.6	36	0		61.1	0			
25		0	72.1	59.1	34.6	35.7	0		60.7	0			
26		0	0	59.1	34.6	35.1	0		60.7	0			
27		0	0	59.4	34.6	35.4	0		61.4	0			
28		0	55.6	60.4	34.6	35.7	0		58.8	0			
29		0	55.6	60.7	34.6	35.7	0		58.1	0			
30		0	57.6	57.5	60.7	35.7	0		58.1	0			
31		0	56.2	60.7	60.7	35.7	0		52.5	0			
Sec. Ft. Days	0	166.8	1,317.8	1,787.9	1,428.3	1,687.4	425.1	0	1,060.9	238.8	0	0	Year Period
Mean													
Sec. Ft.	0	5.6	42.5	57.7	51.0	35.1	1.2	0	35.2	7.7	0	0	20.6
Max.													
Sec. Ft.	0	54.8	71.0	60.7	64.7	35.7	35.7	0	62.7	44.9	0	0	73.0
Min.													
Sec. Ft.	0	0	0	54.3	34.6	34.3	0	0	0	0	0	0	54.3
Total													
Ac. Ft.	0	330.8	2,033.6	3,540.3	2,531.0	2,150.7	631.2	0	2,100.3	473.7	0	0	10,802.8

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

(b) For Tulare Irrigation Company

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	0	Dry	Dry	Dry	0	36.5	33.6	Dry	Dry	Dry	
2		0	0				0	58.6	34.1				
3		0	0				0	40.9	34.1				
4		0	0				0	40.3	34.3				
5		0	0				0	40.6	34.1				
6		0	58.6				0	43.2	33.8				
7		0	58.8				0	45.8	34.1				
8		0	55.6				0	45.5	33.8				
9		0	55				0	42.6	34.1				
10		0	54.3				0	40.3	33.8				
11		0	0				0	37.8	33.8				
12		0	0				0	35.7	34.9				
13		0	0				36.2	36.5	13.6				
14		0	0				37.3	36.2	0				
15		0	0				37.8	35.7	0				
16		0	0				38.4	36.2	0				
17		0	0				38.9	37.8	0				
18		0	0				38.9	40.3	0				
19		0	0				38.9	42.3	0				
20		0	0				39.5	45.5	0				
21		30.7	0				38.9	41.2	0				
22		70.2	0				37.6	37.3	0				
23		65.3	0				36	37.8	0				
24		50.6	0				35.1	37.3	0				
25		52.7	0				34.9	37.3	0				
26		57.5	75.8				34.6	36.8	0				
27		56.2	71.6				34.6	36.2	0				
28		0	62.1				35.1	35.7	0				
29		0	58.8				34.6	35.1	0				
30		0	0				35.4	34.6	0				
31		0	0					34.3	0				
Sec.Ft.	0	403.2	550.6	0	0	0	662.7	1,201.9	422.1	0	0	0	Year Period
Mean													
Sec.Ft.	0	13.4	17.8	0	0	0	22.1	38.8	14.1	0	0	0	8.9
Max.													
Sec.Ft.	0	85.3	75.8	0	0	0	39.5	45.8	34.9	0	0	0	85.3
Min.													
Sec.Ft.	0	0	0	0	0	0	0	34.3	0	0	0	0	0
Total													
Ac. Ft.	0	799.7	1,092.1	0	0	0	1,314.5	2,384.0	837.2	0	0	0	06,427.5

(a) For Visalia and Kaweah Water Company

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	26	60.5	Dry	Dry	31.5	Dry	Dry	
2					0	23.5	63.5			62.5			
3					0	22	62.5			62			
4					0	24	21.5			60.5			
5					0	19	37			59.5			
6					0	18	61.5			59			
7					0	19.5	61.5			59.5			
8					0	17.5	60			60.5			
9					0	16	60.5			61.5			
10					0	19.5	32.5			57.5			
11					0	16	0			59			
12					0	12.5	0			55			
13					0	12.5	0			50.5			
14					0	28	0			44			
15					0	54	0			42			
16					0	45	0			38.5			
17					0	60	0			34			
18					0	56	0			31			
19					2	44	0			30			
20					18	50.5	0			27.5			
21					20	35.5	0			23			
22					25.5	37.5	0			0			
23					34.5	32	0			0			
24					31.5	63.5	0			0			
25					25	59.5	0			0			
26					24	57	0			0			
27					22.5	58	0			0			
28					26	58	0			0			
29					31.5	58	0			0			
30						59	0			0			
31						59.5	0			0			
Sec.Ft.	0	0	0	0	260.5	1,181.0	521.0	0	0	1,008.5	0	0	Year Period
Mean													
Sec.Ft.	0	0	0	0	9.0	38.1	17.4	0	0	32.5	0	0	8.1
Max.													
Sec.Ft.	0	0	0	0	34.5	63.5	63.5	0	0	62.5	0	0	63.5
Min.													
Sec.Ft.	0	0	0	0	0	12.5	0	0	0	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	516.7	2,342.5	1,033.4	0	0	2,000.4	0	0	5,893.0

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

(b) For Tulare Irrigation Company

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	35	42	18	Dry	Dry	
2							0	35	41	0			
3							0	35	40	0			
4							24	36	41	0			
5							14	38	40	0			
6							0	42.5	40	0			
7							0	49.5	40	0			
8							0	48	42.5	0			
9							0	46	46.5	0			
10							38.5	41	44	0			
11							57	37.5	42.5	0			
12							45.5	36	42.5	0			
13							36	39.5	42.5	0			
14							34	46.5	42	0			
15							33.5	52	39	0			
16							33.5	57.5	35	0			
17							34.5	66	34.5	0			
18							34.5	63.5	34.5	0			
19							34.5	51	34	0			
20							34.5	38	34	0			
21							34.5	32.5	33.5	0			
22							34.5	31.5	33.5	0			
23							34	33	33.5	0			
24							33.5	42.5	33	0			
25							33	49	33	0			
26							33.5	52	35	0			
27							35	55	38	0			
28							37	52	37.5	0			
29							37	49.5	37	0			
30							35.5	48	37	0			
31								46		0			
Sec.Ft. Days	0	0	0	0	0	0	801.5	1,384.5	1,148.5	18.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	26.7	44.7	38.3	0.6	0	0	9.2
Max. Sec.Ft.	0	0	0	0	0	0	57.0	66.0	46.5	18.0	0	0	66.0
Min. Sec.Ft.	0	0	0	0	0	0	0	31.5	33.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	1,589.8	2,746.2	2,278.0	35.7	0	0	6,649.7

(c) For Visalia and Keweenaw Water Company

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	0	48.5	59.5	Dry	0	38	Dry	Dry	
2				0	0	49	59.5		0	31.5			
3				0	0	57	59		0	28.5			
4				0	0	54	60		0	26.5			
5				0	0	52	62		0	24			
6				0	0	49.5	63.5		0	22.5			
7				0	0	49	62		0	18			
8				0	0	49	62		0	7			
9				0	0	48	62		0	4.5			
10				0	0	47.5	24		0	4			
11				0	0	52	0		0	0			
12				0	0	51	0		0	0			
13				0	0	49.5	0		0	0			
14				0	0	48	0		0	0			
15				0	0	48	0		35	0			
16				0	0	48	0		65.5	0			
17				0	19	48	0		65.5	0			
18				0	16	55	0		60.5	0			
19				0	34.5	62.5	0		60	0			
20				12	59.5	64.5	0		58	0			
21				39	59.5	62	0		57.5	0			
22				28.5	55	62	0		53.5	0			
23				32.5	57.5	64.5	0		60.5	0			
24				27	20	64	0		60	0			
25				22	60.5	60.5	0		59	0			
26				19	60	60	0		53.5	0			
27				19.5	60.5	59.5	0		53.5	0			
28				19	53.5	60	0		50	0			
29				19.5	60.5	60.5	0		43.5	0			
30				19	59.5	59.5	0		40	0			
31				8	59.5	59.5	0		0	0			
Sec.Ft. Days	0	0	0	265.0	645.5	1,702.0	573.5	0	877.5	204.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	8.5	23.1	54.9	19.1	0	29.3	6.6	0	0	11.7
Max. Sec.Ft.	0	0	0	39.0	60.5	64.5	63.5	0	65.5	38.0	0	0	64.5
Min. Sec.Ft.	0	0	0	0	0	47.5	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	525.6	1,280.4	3,375.9	1,137.6	0	1,740.5	405.6	0	0	8,465.6

TABLE NO. 21 - Continued

KETCHUM DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	39.5	34	Dry	Dry	Dry	
2							0	40	34.5				
3							0	40	34.5				
4							0	37.5	34				
5							0	34.5	34				
6							0	35	34				
7							0	35	34.5				
8							0	34.5	35.5				
9							0	34	35.5				
10							22.5	33.5	35				
11							37	34.5	34.5				
12							38	38.5	34.5				
13							38	39	35.5				
14							38.5	39.5	35.5				
15							39	39	17.5				
16							38.5	37.5	0				
17							38.5	37	0				
18							38.5	37.5	0				
19							38	37	0				
20							37	36	0				
21							38	36	0				
22							39	37	0				
23							39	37	0				
24							38.5	37.5	0				
25							39.5	38	0				
26							38.5	38	0				
27							38.5	42.5	0				
28							39	44.5	0				
29							39.5	40.5	0				
30							39.5	37	0				
31								34.5					
Sec.Ft. Days	0	0	0	0	0	0	792.5	1,161.5	503.0	0	0	0	Year Period
Sec.Ft.	0	0	0	0	0	0	26.4	37.5	16.8	0	0	0	6.7
Max. Sec.Ft.	0	0	0	0	0	0	39.5	44.5	35.5	0	0	0	44.5
Min. Sec.Ft.	0	0	0	0	0	0	0	33.5	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	1,571.9	2,303.9	997.7	0	0	0	4,873.5

TABLE NO. 22

PECKWOOD CANAL BELOW HEAD

Point of diversion - Five and one-half miles below McKay Point on the south bank of St. Johns Branch in the northeast quarter of Section 10, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 500 second-feet.

Location of gaging station - Two miles below head of canal in the northwest quarter of Section 16, Township 18 South, Range 26 East, M.D.B. and M. Map designation 22.

Description of gaging station - Open channel section through solid rock, staff gage and water stage recorder, rated by frequent current meter measurements.

Operating agency - Peckwood Canal Company thru 1948. Since 1949, Tulare Irrigation District.

Gross service area - 15,000 acres.

Period of record - 1917-1949; no record during the years ending September 30, 1918, 1919, 1920, 1922, and 1925; partial record during 1921; continuous from May 1 to September 30, 1917 and from October 1, 1924 to September 30, 1949.

Criteria governing diversions -

- (a) For Peckwood Canal Company - First 125 second-feet of flow reaching the head of Peckwood Canal in excess of flows required to meet downstream priorities aggregating 664 second-feet at their respective points of diversion; next 75 second-feet in excess of flows required to meet the sum of 125 second-feet and downstream priorities of 932 second-feet, aggregating 1,057 second-feet at their respective points of diversion; maximum diversion, 200 second-feet.
- (b) For Visalia and Kaweah Water Company - On account of excessive channel losses in Leas Slough, the diversion entitlements of Visalia and Kaweah Water Company in that channel were diverted through Peckwood Canal from the summer of 1921 to the fall of 1929 under special arrangement with the Peckwood Canal Company. Since January 1930, these entitlements have been diverted through the Ketchum Ditch.

(a) For Peckwood Canal Company
 Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	0	70	176	0	111	Dry	Dry	Dry	
2				0	0	14	117	59	112				
3				0	5	77	93	144	93				
4				0	53	72	80	142	103				
5				0	74	30	76	132	89				
6				0	55	46	29	141	39				
7				0	35	58	0	137	0				
8				0	0	58	0	152	0				
9				0	0	57	0	169	45				
10				0	0	52	0	186	89				
11				25	0	22	0	195	78				
12				0	0	0	39	185	36				
13				0	0	0	100	188	0				
14				0	0	0	119	190	0				
15				0	0	0	124	192	0				
16				0	0	0	100	190	0				
17				0	0	0	39	157	0				
18				0	0	0	0	122	0				
19				0	0	0	0	127	0				
20				0	0	0	57	145	0				
21				0	0	0	124	166	0				
22				0	0	0	143	172	0				
23				0	110	0	142	169	0				
24				0	117	0	146	181	0				
25				0	80	0	133	177	0				
26				84	206	0	119	159	0				
27				78	185	87	97	146	0				
28				20	164	100	40	141	0				
29				0	178	80	0	124	0				
30				0	0	26	0	107	0				
31				0	0	101	0	93	0				
Sec.Ft. Days	0	0	0	207.0	1,272.0	950.0	2,093.0	4,588.0	795.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	6.7	43.9	30.6	69.8	148.0	26.5	0	0	0	27.1
Max. Sec.Ft.	0	0	0	84.0	206.0	101.0	176.0	195.0	112.0	0	0	0	206.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	410.6	2,523.0	1,884.3	4,151.5	9,100.3	1,576.9	0	0	0	19,546.6

TABLE NO. 22 - Continued

PACKWOOD CANAL BELOW HEAD

(a) For Peckwood Canal Company

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	Dry	0	94	28	115	72	Dry	Dry	Dry	
2			0		0	100	57	125	58				
3			0		0	102	61	136	36				
4			0		0	94	61	144	36				
5			0		0	89	128	145	35				
6			0		0	80	97	155	37				
7			0		0	74	91	159	35				
8			0		0	70	78	155	32				
9			0		94	68	70	146	55				
10			0		147	64	94	140	127				
11			0		123	57	111	104	141				
12			0		187	55	86	61	96				
13			0		125	55	70	39	35				
14			0		86	61	64	35	64				
15			0		76	57	62	33	99				
16			0		56	50	66	34	96				
17			0		53	49	60	72	96				
18			0		46	51	56	111	83				
19			0		40	52	52	100	100				
20			0		36	56	50	123	128				
21			0		60	48	48	125	117				
22			0		55	47	49	120	118				
23			0		46	48	53	84	123				
24			0		76	55	57	39	121				
25			0		78	52	32	33	120				
26			0		57	52	18	33	128				
27			70		47	36	18	32	111				
28			154		44	16	17	30	59				
29			59			16	129	84	0				
30			20			15	121	116	0				
31			0			14		76	0				
Sec.Ft. Days	0	0	303.0	0	1,532.0	1,777.0	1,984.0	2,904.0	2,358.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	9.8	0	54.7	57.5	66.1	93.7	78.6	0	0	0	29.7
Max. Sec.Ft.	0	0	154.0	0	147.0	102.0	129.0	159.0	141.0	0	0	0	159.0
Min. Sec.Ft.	0	0	0	0	0	14.0	17.0	30.0	0	0	0	0	0
Total Ac. Ft.	0	0	601.0	0	3,038.7	3,524.7	3,935.2	5,760.1	4,677.1	0	0	0	21,536.8

(a) For Peckwood Canal Company

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry		26	Dry	0	0	159	Dry	Dry	Dry	
2					25		0	0	155				
3					40		0	0	141				
4					30		60	0	161				
5					29		65	0	182				
6					41		31	65	101				
7					37		0	121	59				
8					31		0	134	77				
9					28		0	144	124				
10					26		0	140	88				
11					25		0	136	89				
12					15		0	92	66				
13					0		0	53	28				
14					0		0	52	27				
15					0		0	52	27				
16					0		0	51	25				
17					0		0	49	35				
18					0		0	59	55				
19					0		0	84	65				
20					0		0	146	120				
21					0		0	173	112				
22					0		0	155	113				
23					0		65	122	113				
24					0		92	110	90				
25				34	0		100	108	31				
26					87		73	131	0				
27					55	0	0	144	0				
28					124	0	0	157	0				
29					57		0	129	0				
30					35		0	112	0				
31					29			134					
Sec.Ft. Days	0	0	0	421.0	353.0	0	486.0	2,853.0	2,243.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	13.6	12.6	0	16.2	92.0	74.8	0	0	0	17.4
Max. Sec.Ft.	0	0	0	124.0	41.0	0	100.0	173.0	182.0	0	0	0	182.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	835.0	700.2	0	964.0	5,658.9	4,449.0	0	0	0	12,607.1

TABLE NO. 22 - Continued

PACKWOOD CANAL BELOW HEAD

(a) For Peckwood Canal Company

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	Dry	0	25	48	186	Dry	Dry	Dry	
2				0		0	25	33	168				
3				0		0	25	38	151				
4				0		0	25	108	102				
5				0		0	25	154	85				
6				0		0	25	158	76				
7				0		0	25	198	102				
8				0		0	30	200	117				
9				0		250	30	192	118				
10				0		245	30	192	111				
11				0		235	25	198	75				
12				0		205	25	193	4				
13				0		190	25	185	2				
14				0		160	25	178	2				
15				0		125	25	137	2				
16				0		110	25	128	5				
17				0		150	25	119	6				
18				0		245	25	109	8				
19				0		200	30	109	6				
20				0		175	30	122	3				
21				0		150	30	140	2				
22				250		150	30	168	1				
23				250		35	35	183	0				
24				175		25	35	203	0				
25				105		25	35	207	0				
26				55		25	35	205	0				
27				45		25	35	163	0				
28				30		25	35	140	0				
29				25		25	30	139	0				
30				23		25	31	162	0				
31				0		25		172					
Sec.Ft. Days	0	0	0	958.0	0	2,825.0	856.0	4,687.0	1,312.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	30.9	0	91.1	28.5	151.2	43.7	0	0	0	29.1
Max. Sec.Ft.	0	0	0	250.0	0	250.0	35.0	200.0	186.0	0	0	0	250.0
Min. Sec.Ft.	0	0	0	0	0	0	25.0	33.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	1,900.2	0	5,603.4	1,697.9	9,296.7	2,602.3	0	0	0	21,100.5

(a) For Peckwood Canal Company

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	45	Dry	Dry	Dry							
2								0	0				
3								0	0				
4								19	18				
5								73	18				
6								110	79				
7								74	100				
8								93	116				
9								122	56				
10								109	15				
11								86	0				
12								100	0				
13								107	0				
14								116	0				
15								85	0				
16								20	0				
17								0	0				
18								0	0				
19								0	0				
20								0	0				
21								0	0				
22								0	0				
23								0	0				
24								0	0				
25								38	0				
26								75	0				
27								69	0				
28								75	0				
29								97	0				
30								98	0				
31								104					
Sec.Ft. Days	0	0	0	0	0	0	0	1,670.0	429.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	0	53.9	14.3	0	0	0	5.7
Max. Sec.Ft.	0	0	0	0	0	0	0	122.0	116.0	0	0	0	122.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	0	3,322.5	850.9	0	0	0	4,163.4

TABLE NO. 22 - Continued

PACKWOOD CANAL BELOW HEAD

(a) For Peckwood Canal Company

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	84	134	233	1	Dry	Dry	Dry	
2					0	83	113	230	31				
3					0	83	0	228	98				
4					0	94	0	200	181				
5					0	94	0	191	190				
6					0	84	0	188	192				
7					0	81	0	181	155				
8					0	83	0	164	157				
9					0	82	0	163	132				
10					0	83	0	164	85				
11					0	84	0	155	116				
12					0	84	0	158	143				
13					0	88	0	157	174				
14					95	94	0	168	233				
15					191	127	0	198	253				
16					182	136	0	203	247				
17					140	80	0	211	243				
18					104	80	0	207	243				
19					104	80	0	195	259				
20					102	84	115	137	272				
21					100	90	202	43	272				
22					99	88	204	0	262				
23					97	139	200	0	250				
24					93	160	197	34	107				
25					89	154	224	68	0				
26					88	218	235	68	0				
27					86	233	203	66	0				
28					84	215	123	68	0				
29						204	157	61	0				
30						199	234	2	0				
31						166		2	0				
Sec.Ft. Days	0	0	0	0	1,654.0	3,654.0	2,341.0	4,143.0	4,296.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	59.1	117.9	78.0	133.6	143.2	0	0	0	44.1
Max. Sec.Ft.	0	0	0	0	191.0	233.0	235.0	233.0	272.0	0	0	0	272.0
Min. Sec.Ft.	0	0	0	0	0	80.0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	3,280.7	7,247.7	4,643.4	8,217.6	8,521.1	0	0	0	31,910.5

(b) For Viselle and Kaweah Water Company

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	57	Dry							
2										0	57		
3										0	63		
4										0	61		
5										0	58		
6										0	56		
7										0	58		
8										0	56		
9										0	53		
10										0	46		
11										0	39		
12										0	38		
13										0	34		
14										0	21		
15										0	1		
16										0	0		
17										0	0		
18										0	0		
19										38	0		
20										64	0		
21										65	0		
22										65	0		
23										65	0		
24										64	0		
25										63	0		
26										58	0		
27										56	0		
28										57	0		
29										59	0		
30										59	0		
31										60	0		
Sec.Ft. Days	0	0	0	0	0	0	0	0	0	773.0	698.0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	0	0	0	24.9	22.5	0	4.0
Max. Sec.Ft.	0	0	0	0	0	0	0	0	0	65.0	63.0	0	65.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	0	0	0	1,533.2	1,384.5	0	2,917.7

TABLE NO. 22 - Continued

PACKWOOD CANAL BELOW HEAD

(e) For Peckwood Canal Company

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	0	0	Dry	Dry	Dry	
2							0	0	0				
3							0	0	0				
4							0	0	0				
5							0	0	0				
6							0	0	0				
7							0	0	0				
8							0	0	0				
9							0	0	59				
10							106	0	43				
11							140	0	0				
12							70	0	0				
13							0	0	0				
14							0	0	0				
15							0	0	0				
16							0	0	0				
17							0	50	0				
18							0	102	0				
19							0	37	0				
20							0	0	0				
21							0	0	0				
22							0	0	0				
23							0	0	0				
24							0	0	0				
25							0	0	0				
26							0	38	0				
27							0	110	0				
28							0	117	0				
29							0	138	0				
30							0	90	0				
31							0	0	0				
Sec.Ft. Days	0	0	0	0	0	0	316.0	682.0	102.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	10.5	22.0	3.4	0	0	0	3.0
Max. Sec.Ft.	0	0	0	0	0	0	140.0	138.0	59.0	0	0	0	140.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	626.8	1,352.7	202.3	0	0	0	2,181.8

No diversion during year ending September 30, 1949.

TABLE NO. 23

TULARE IRRIGATION DISTRICT CANAL BELOW HEAD

Point of diversion - Six and one-half miles below McKay Point on the north bank of St. Johns Branch in the northwest quarter of Section 10, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 500 second-feet.

Location of gaging station - Two and one-quarter miles below head of canal at the flume crossing St.

Johns Branch in the southeast quarter of Section 17, Township 18 South, Range 26 East, M.O.B. and M. Map designation 23.

Description of gaging station - Flume section, staff gage and water stage recorder, read by frequent current meter measurements. Due to the shape of the flume entrance, it is, in effect, a Parshall flume with a constant rating.

Operating agency - Tulare Irrigation District.

Gross area of Tulare Irrigation District - Prior to January 1948, 33,500 acres. Since October 1948, 75,350 acres.

Period of record - 1917-1949; continuous from May 1, 1917 to September 30, 1918 and from October 1, 1924 to September 30, 1949; no records during the years ending September 30, 1919, 1920, 1921, 1922 and 1923.

Criteria governing diversions - First 138 second-feet of flow reaching the head of Tulare Irrigation District Canal in excess of flows required to meet downstream priorities aggregating 526 second-feet at their respective points of diversion; next 22 second-feet in excess of flows required to meet the sum of 138 second-feet and downstream priorities of 726 second-feet, aggregating 864 second-feet at their respective points of diversion; next 90 second-feet in excess of flows required to meet the sum of 160 second-feet and downstream priorities of 772 second-feet, aggregating 932 second-feet at their respective points of diversion; maximum diversion, 250 second-feet.

Remarks - Quantities in this table do not include water received from Wutchunne Ditch hereinafter set forth in Table No. 30. During the summer of 1949 water from the Central Valley Project was also measured at this point, hereinafter set forth in Table No. 34 and not included herein.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	0	56	32	51	109				
2				0	0	142	29	92	108	Dry	Dry	Dry	
3				0	6	150	32	102	105				
4				0	53	144	36	100	106				
5				0	88	137	35	108	103				
6				0	88	135	15	115	103				
7				0	82	134	0	116	104				
8				0	39	130	0	113	109				
9				0	2	127	0	103	111				
10				0	0	123	15	55	107				
11				32	0	54	31	30	108				
12				84	0	7	43	56	115				
13				85	0	8	52	63	116				
14				34	0	0	53	70	105				
15				0	0	0	54	54	97				
16				0	0	0	51	56	85				
17				0	0	0	50	54	74				
18				0	0	0	53	71	25				
19				0	2	0	63	90	3				
20				0	8	0	76	95	5				
21				0	6	0	87	97	0				
22				0	0	0	105	95	0				
23				0	94	0	117	90	0				
24				0	148	0	124	93	0				
25				0	140	0	121	95	0				
26				67	0	10	104	95	0				
27				89	0	38	89	97	0				
28				35	0	70	78	101	0				
29				10	12	51	32	106	0				
30				7	0	38	10	107	0				
31				0	0	40	0	105	0				
Sec.Ft. Days	0	0	0	443.0	768.0	1,594.0	1,587.0	2,675.0	1,798.0	0	0	0	Year Period
Mean	0	0	0	14.3	26.5	51.4	52.9	86.3	59.9	0	0	0	24.2
Max. Sec.Ft.	0	0	0	89.0	148.0	150.0	124.0	116.0	116.0	0	0	0	150.0
Min. Sec.Ft.	0	0	0	0	0	0	0	30.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	278.7	1,523.3	3,161.7	3,147.8	5,305.9	3,566.3	0	0	0	17,583.7

TABLE NO. 23 - Continued

TULARE IRRIGATION DISTRICT CANAL BELOW HEAD

Diverslon in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	0	43	79	75	35	89	Dry	Dry	
2			0	0	0	34	81	81	26	128			
3			0	0	0	3	80	80	0	123			
4			0	0	0	0	81	72	0	123			
5			0	0	0	23	47	50	0	113			
6			0	0	0	43	41	44	0	97			
7			0	0	3	42	40	45	8	61			
8			0	0	3	41	52	0	76	45			
9			0	0	61	41	56	0	100	39			
10			0	0	100	40	29	0	97	0			
11			0	0	97	39	29	0	66	10			
12			0	0	50	38	27	0	47	10			
13			0	4	21	38	26	0	54	7			
14			0	4	37	45	26	0	82	9			
15			0	3	51	53	26	0	80	17			
16			0	4	55	50	27	0	79	15			
17			0	3	58	50	28	0	61	14			
18			0	4	58	50	28	0	79	14			
19			0	3	57	51	57	50	99	14			
20			0	4	55	52	84	31	98	13			
21			0	4	56	50	83	0	96	13			
22			0	4	55	48	83	0	95	10			
23			25	4	53	58	84	0	101	10			
24			32	68	20	67	84	0	104	0			
25			6	100	0	68	69	0	109	0			
26			0	89	17	69	59	0	119	0			
27			41	45	58	25	61	0	116	0			
28			101	2	54	0	64	0	114	0			
29			88	3		46	73	41	120	0			
30			28	3		76	78	19	78	0			
31			9	3		75		19		0			
Sec.Ft. Days	0	0	330.0	354.0	1,019.0	1,358.0	1,682.0	607.0	2,139.0	974.0	0	0	Year Period
Mean Sec.Ft.	0	0	10.6	11.4	36.4	43.8	56.1	19.6	71.3	31.4	0	0	23.2
Max. Sec.Ft.	0	0	101.0	100.0	100.0	76.0	84.0	81.0	120.0	128.0	0	0	128.0
Min. Sec.Ft.	0	0	0	0	0	0	26.0	0	0	0	0	0	0
Total Ac. Ft.	0	0	654.6	702.2	2,021.2	2,693.6	3,336.2	1,204.0	4,242.7	1,931.9	0	0	16,786.4

Diverslon in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	58	110.5	0	6.5	7	103	9	Dry	Dry	
2			0	53	109.5	0	5	7	102	7			
3			0	51.5	92.5	0	4	6	104	7			
4			0	50	84	0	64	39	111	6			
5			0	48.5	87.5	0	164	106	114	4.5			
6			0	46	80	0	100	132	107	4			
7			0	46	76.5	0	21	142	85	5			
8			0	47.5	75	0	10	146	98	5			
9			0	48.5	70	0	10	123	97	5			
10			0	48.5	69.5	0	10	124	74	3			
11			0	37.5	67.5	19	25	134	57	1.5			
12			0	0	82.5	76.5	6.5	94	73	0			
13			0	0	83	73.5	6.5	60	85	0			
14			0	0	55.5	4.5	23	58	84	0			
15			0	0	41	6	54	57	85	0			
16			0	0	37	5	20	58	84	0			
17			0	0	30.5	1	100	56	83	0			
18			0	0	28	0	94	58	90	0			
19			0	0	20	4	31	111	98	0			
20			0	0	3	4	51	150	93	0			
21			0	0	2	6	116	128	100	0			
22			0	0	23.5	6	132	127	101	0			
23			0	0	12	4	140	126	109	0			
24			0	0	1	4	142	127	113	0			
25			0	66	0	5	145	122	113	0			
26			0	123	0	3	132	133	98	0			
27			0	117	0	5	95	124	64	0			
28			0	112	0	3	56	129	26	0			
29			0	132	0	4	17	136	20	0			
30			0	126	0	6	7	135	8.5	0			
31			32.5	117	6	6		122		0			
Sec.Ft. Days	0	0	32.5	1,328.0	1,341.5	245.5	1,787.5	1,077.0	2,579.5	57.0	0	0	Year Period
Mean Sec.Ft.	0	0	1.0	42.8	47.9	7.9	59.6	99.3	86.0	1.8	0	0	28.6
Max. Sec.Ft.	0	0	32.5	132.0	110.5	76.5	164.0	150.0	114.0	9.0	0	0	164.0
Min. Sec.Ft.	0	0	0	0	0	0	4.0	6.0	8.5	0	0	0	0
Total Ac. Ft.	0	0	64.5	2,634.1	2,660.9	486.9	3,545.5	6,103.2	5,116.4	113.1	0	0	20,724.6

TABLE NO. 23 - Continued

TULARE IRRIGATION DISTRICT CANAL BELOW HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	37.5	70	0	91	95	22	Dry	Dry	
2				0	103	69	0	91	96	24			
3				0	102	68	0	110	116	25			
4				0	74	69	0	98	121	26			
5				0	54.5	71	0	115	151	26			
6				0	54	74	0	131	124	25			
7				0	54	72	32.5	123	90	24			
8				0	61.5	72	95	108	89	24			
9				0	68	92	0	117	102	29			
10				0	66.5	29	0	131	129	31			
11				0	67.5	2	71	133	112	17			
12				0	66.5	0	71	137	105	0			
13				0	65.5	0	72	145	106	0			
14				0	64	0	72	151	93	0			
15				0	64	0	74	150	60	0			
16				0	64	0	95	153	61	0			
17				0	62.5	0	125	152	93	0			
18				0	61.5	0	125	150	94	0			
19				0	61	0	125	151	88	0			
20				0	59.5	0	125	153	132	0			
21				20	58.5	0	125	156	144	0			
22				49.5	58.5	0	125	132	141	0			
23				23.5	54.5	0	124	129	106	0			
24				9.5	63.5	0	125	133	96	0			
25				4.5	79.5	0	127	115	45	0			
26				3.5	75	0	128	107	7	0			
27				4	73	0	129	97	6	0			
28				4.5	71	0	140	77	8	0			
29				5.5		0	114	65	6	0			
30				7		0	91	88	15	0			
31				8		0		107		0			
Sec.Ft. Deye	0	0	0	139.5	1,844.5	688.0	2,310.5	3,796.0	2,611.0	273.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	4.5	65.9	22.2	77.0	122.5	87.0	8.8	0	0	32.0
Max. Sec.Ft.	0	0	0	49.5	103.0	92.0	140.0	156.0	144.0	31.0	0	0	156.0
Min. Sec.Ft.	0	0	0	0	37.5	0	0	65.0	6.0	0	0	0	0
Total Ac. Ft.	0	0	0	276.7	3,658.6	1,364.6	4,582.9	7,529.4	5,178.9	541.5	0	0	23,132.6

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	Dry	Dry	0	17.5	125	Dry	Dry	Dry	
2			0	0			0	18	86				
3			0	0			0	46	10				
4			0	0			0	116	9				
5			0	0			0	153	54				
6			0	0			0	152	169				
7			0	0			0	136	171				
8			0	0			0	147	145				
9			0	38			0	175	140				
10			0	50			0	165	73				
11			0	48.5			12	144	8				
12			0	40.5			26.5	132	7				
13			0	0			26.5	146	6				
14			0	0			20	146	6				
15			0	0			13.5	143	6				
16			0	0			13.5	116	6				
17			0	0			13.5	35	11				
18			0	0			10.5	11	5				
19			0	0			3.5	10	4				
20			0	0			2.5	10	4				
21			26	0			2	10	3				
22			19.5	0			3	10	3				
23			0	0			3	41	3				
24			0	0			3	98	3				
25			0	0			3	95	2				
26			0	0			2.5	93	2				
27			0	0			3	91	2				
28			0	0			3	112	0				
29			0	0			6	158	0				
30			0	0			6	131	0				
31			0	0				130					
Sec.Ft. Deye	0	0	45.5	177.0	0	0	176.5	2,987.5	1,063.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	1.5	5.7	0	0	5.9	96.4	35.4	0	0	0	12.2
Max. Sec.Ft.	0	0	26.0	50.0	0	0	26.5	175.0	171.0	0	0	0	175.0
Min. Sec.Ft.	0	0	0	0	0	0	0	10.0	0	0	0	0	0
Total Ac. Ft.	0	0	90.2	351.1	0	0	350.1	5,925.7	2,108.5	0	0	0	8,825.6

TABLE NO. 23 - Continued

TULARE IRRIGATION DISTRICT CANAL BELOW HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	51	54.5	128	113	127	108	Dry	Dry	
2					308	49	129	113	130	101			
3					84	46	129	111	125	92			
4					33	83	73	111	103	51			
5					14	77	49	106	100	11			
6					16	48	41	107	134	10			
7					0	43.5	30	106	115	9			
8					15	42	30	104	106	8			
9					136	46	30	102	115	5			
10					117	53	33	106	133	0			
11					115	62.5	30	105	127	0			
12					151	66.5	30	103	121	0			
13					153	77.5	29	104	121	0			
14					139	91	28	98	120	0			
15					100	178	27	99	122	0			
16					40	173	28	101	120	0			
17					53	120	28	105	116	0			
18					99	118	27	96	108	0			
19					111	114	112	103	110	0			
20					93	112	160	97	105	0			
21					85	86	149	98	100	0			
22					80	88	135	106	122	0			
23					79	177	123	107	148	0			
24					74	164	123	107	142	0			
25					69	159	126	103	146	0			
26					60	188	124	98	105	0			
27					54.5	175	117	93	104	0			
28					58.5	175	107	96	104	0			
29						170	108	112	72	0			
30						171	109	131	92	0			
31						141		128		0			
Sec.Ft. Days	0	0	0	0	2,388.0	3,348.5	2,392.0	3,269.0	3,493.0	395.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	85.3	108.0	79.7	105.5	116.4	12.7	0	0	41.9
Max. Sec.Ft.	0	0	0	0	308.0	188.0	160.0	131.0	148.0	108.0	0	0	308.0
Min. Sec.Ft.	0	0	0	0	0	42.0	27.0	93.0	72.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	4,736.6	6,641.7	4,744.5	6,484.1	6,928.4	783.5	0	0	30,318.8

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	27	Dry	Dry	0	84	130	82	Dry	Dry	Dry	
2			62			0	52	130	83				
3			57			0	5	127	84				
4			58			0	0	130	83				
5			69			0	3	137	81				
6			72			0	9	137	77				
7			53			0	6	130	54				
8			39			0	7	122	33				
9			2			0	6	122	0				
10			0			0	6	107	0				
11			0			0	6	73	0				
12			0			0	7	48	0				
13			0			0	3	46	0				
14			0			0	4	45	0				
15			0			0	3	50	0				
16			0			0	2	69	0				
17			0			0	61	64	0				
18			0			0	106	64	0				
19			0			0	104	78	0				
20			0			0	105	125	0				
21			25			0	114	129	0				
22			123			0	108	119	0				
23			104			0	115	127	0				
24			49			0	134	111	0				
25			93			0	153	99	0				
26			149			0	175	88	0				
27			124			0	168	93	0				
28			116			0	174	88	0				
29			113			0	180	86	0				
30			109			0	60	86	0				
31			79			100		82					
Sec.Ft. Days	0	0	1,523.0	0	0	160.0	2,047.0	3,042.0	577.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	49.1	0	0	5.2	68.2	98.1	19.2	0	0	0	20.1
Max. Sec.Ft.	0	0	149.0	0	0	100.0	180.0	137.0	84.0	0	0	0	180.0
Min. Sec.Ft.	0	0	0	0	0	0	0	45.0	0	0	0	0	0
Total Ac. Ft.	0	0	3,020.9	0	0	317.3	4,060.2	6,033.8	1,144.5	0	0	0	24,576.7

TABLE NO. 23 - Continued

TULARE IRRIGATION DISTRICT CANAL BELOW HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	4	50.5	Dry	Dry	Dry	0	Dry	Dry	Dry	Dry	
2		0	0	40.5				17					
3		0	0	29.5				84					
4		0	0	24				80.5					
5		0	0	42				82					
6		0	72	60				122					
7		0	69	57				164					
8		0	55.5	50				113					
9		0	44.5	48.5				29					
10		0	15.5	45.5				45					
11		0	4.5	42				66					
12		0	0	42				64					
13		0	0	38.5				23					
14		0	0	35				0					
15		0	0	34.5				0					
16		0	0	31.5				0					
17		0	0	30.5				0					
18		0	0	29.5				0					
19		0	0	27				49					
20		0	0	25.5				91					
21		16	0	18				48.5					
22		7	0	13				0					
23		33.5	0	0				0					
24		54	0	0				0					
25		81	42	0				0					
26		77.5	56	0				0					
27		72	83	0				0					
28		55.5	85.5	0				0					
29		30	72.5	0				0					
30		14	67.5	0				0					
31			63.5	0				0					
Sec.Ft. Deys	0	440.5	735.0	814.5	0	0	0	1,078.0	0	0	0	0	Year Period
Mean Sec.Ft.	0	14.7	23.7	26.3	0	0	0	34.8	0	0	0	0	8.4
Max. Sec.Ft.	0	81.0	85.5	60.0	0	0	0	164.0	0	0	0	0	164.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	873.7	1,457.9	1,615.6	0	0	0	2,138.2	0	0	0	0	6,085.4

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	0	45	Dry	Dry	Dry	
2							0	0	0				
3							0	0	0				
4							0	0	55				
5							0	0	48				
6							0	0	0				
7							0	88	0				
8							0	165	75				
9							0	90	127				
10							123	24	96				
11							174	0	104				
12							117	46	71				
13							49	141	0				
14							0	182	0				
15							0	177	0				
16							0	162	0				
17							0	139	0				
18							0	107	0				
19							0	75	0				
20							0	22	0				
21							0	0	0				
22							0	0	0				
23							0	0	0				
24							0	0	0				
25							0	76	0				
26							0	140	0				
27							0	143	0				
28							0	137	0				
29							0	125	0				
30							0	111	0				
31							0	111	0				
Sec.Ft. Deys	0	0	0	0	0	0	463.0	2,261.0	621.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	15.4	72.9	20.7	0	0	0	9.1
Max. Sec.Ft.	0	0	0	0	0	0	174.0	182.0	127.0	0	0	0	182.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	916.4	4,484.7	1,231.7	0	0	0	6,634.8

TABLE NO. 23 - Continued

TULARE IRRIGATION DISTRICT CANAL BELOW HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	0	Dry	Dry	Dry	Dry							
2								0					
3								0					
4								0					
5								0					
6								0					
7								0					
8								0					
9								0					
10								0					
11								0					
12								0					
13								0					
14								0					
15								0					
16								0					
17								0					
18								0					
19								0					
20								0					
21								0					
22								0					
23								0					
24								0					
25								0					
26								0					
27								45					
28								77					
29								40					
30								0					
31								0					
Sec.Ft. Days	0	0	0	0	0	0	0	162.0	0	0	0	0	Year Period
Max. Sec.Ft.	0	0	0	0	0	0	0	5.2	0	0	0	0	0.4
Min. Sec.Ft.	0	0	0	0	0	0	0	77.0	0	0	0	0	77.0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Ac. Ft.	0	0	0	0	0	0	0	321.3	0	0	0	0	321.3

TABLE NO. 24

MATHEWS DITCH NEAR HEAD

Point of diversion - Twelve miles below McKay Point on the north bank of St. Johns Branch in the northeast quarter of Section 23, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 42.5 second-feet.

Location of gaging station - One-quarter mile below head of ditch in the northwest quarter of Section 23, Township 18 South, Range 25 East, M.D.B. and M. Map designation (24).

Description of gaging station - Open channel section, staff gage and water stage recorder rated by frequent current meter measurements; replaced by Parshall Measuring Flume in 1936. This was used through the season 1938; then open channel section until December 1938, when a 42 inch Calco meter gage was installed with a differential recorder just below head of ditch.

Operating agency - Mathews Ditch Company.

Gross service area - 1,850 acres.

Period of record - 1917-1949; intermittent during the years ending September 30, 1920, 1937, and 1938; no record during the years ending September 30, 1918, 1919 and 1923; continuous from May 2 to September 30, 1917, October 1, 1920 to September 30, 1922, October 1, 1923 to September 30, 1938 and from October 1, 1938 to September 30, 1949.

Criteria governing diversions - First 17 second-feet of flow reaching the head of Mathews Ditch; next 8 second-feet in excess of flows required to meet the sum of 17 second-feet and downstream priorities of 587 second-feet, aggregating 604 second-feet at their respective points of diversion; next 5 second-feet in excess of flows required to meet the sum of 25 second-feet and downstream priorities of 597 second-feet, aggregating 622 second-feet at their respective points of diversion; maximum diversion, 30 second-feet.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	9.5	10	9	26 e	25 e	19	Dry	Dry	
2				0	9.5	9	8	25 e	25 e	14			
3				6	10.5	9	10.5	24 e	24 e	15			
4				6.5	18.5	3	12	23 e	24	16			
5				13	13	8	11.5	23 e	23	14.5			
6				6	11	11.5	12	23	22	11.5			
7				3.5	10.5	10.5	10.5	22	21	14			
8				13	10.5	10.5	8.5	25	19.5	13			
9				18.5	10	10	8.5	25	19.5	20			
10				17	10	9.5	8.5	22	19	19.5			
11				28	10	10.5	8.5	21	23 e	11			
12				20	9.5	10.5	8.5	16	24 e	10			
13				11.5	9	16 e	14 e	10	24 e	2			
14				10	10	17 e	16 e	20 e	22 e	0			
15				9.5	12	18 e	20 e	23 e	21 e	0			
16				10.5	10.5	16 e	20 e	23 e	20.5	0			
17				11	10	17 e	20 e	25 e	20	0			
18				10	10	17 e	18	24 e	17.5	0			
19				9.5	9.5	1- e	22 e	26 e	18.5	0			
20				8.5	9.5	14 e	27 e	24 e	14	0			
21				7.5	7	13.5 e	24 e	22 e	14	0			
22				7	5	15.5	30 e	24 e	18 e	0			
23				2.5	11.5	11.5	32 e	26 e	18 e	0			
24				5	8	11.5	34 e	27 e	19 e	0			
25				5	6.5	11.5	34 e	25 e	10.5 e	0			
26				21.5	1.5	11.5	30 e	27 e	20.5	0			
27				13	9.5	11	37 e	26 e	21.5	0			
28				11	8.5	7.5	25 e	2- e	17.5	0			
29				10.5	10	8.5	26 e	20 e	19.5	0			
30				10		9	26 e	22 e	2-	0			
31				10		10.5		22 e		0			
Sec.Ft.	0	0	0	219.0	291.5	351.5	561.0	722.0	417.0	179.5	0	0	Year
Mean				10.7	10.1	11.3	18.7	23.3	20.1	5.8	0	0	8.3
Max.													
Sec.Ft.	0	0	0	8.5	13.5	18.0	30.0	27.0	25.0	20.0	0	0	34.0
Min.													
Sec.Ft.	0	0	0	0	2.0	3.0	8.0	10.0	11.0	0	0	0	0
Total	0	0	0	230.7	578.2	697.2	1,112.8	1,215.9	556.0	0	0	0	6,024.9

e. Estimated in part due to small diversions above the gage.

TABLE NO. 24 - Continued

MATHEWS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	3.2	8	7	15	18	22.4	24.4	Dry	
2				0	5.7	4.5	7	12.2	17.2	22	25.5		
3				8.4	2.4	3.8	4	11.2	18	21.6	17		
4				8.6	3.8	4.5	0	9.8	18.4	22	7.4		
5				8.4	6.2	4	0	9.8	22.8	21.6	2.8		
6				6.2	7.3	3.2	0	9.5	21.6	24.7	3.4		
7				8.2	6	3	0	15.2	21.7	24	18		
8				5	9	5.4	0	12.7	18.4	21.5	9.5		
9				2.8	9.5	6.6	0	13	24.5	22	2		
10				3.8	8	6.6	0	13.6	32	25	1		
11				7.3	11.7	6.6	3.7	11.7	34.5	25	1		
12				8.6	9.3	5.5	7	15.2	39.2	20	1		
13				8.2	8.2	5	6	17	42.5	17	0		
14				9.3	8	5	8.4	18.4	39.5	14	0		
15				7.7	8.8	5.5	7	19.4	36	12.8	0		
16				6.9	10	6.9	6	25.4	38.5	14.4	0		
17				6.2	9.8	6.9	5	30	29	14	2		
18				6.2	9	6.9	3.5	27.2	27	21.8	0		
19				6	8.6	6.9	3.5	27.2	26	19.4	0		
20				5.8	9.5	6.6	8.4	34	25	17.4	0		
21				6.9	2.7	6.4	7.8	39	16	0	0		
22				6.2	9	6.4	6	41.5	25.5	15	0		
23				10.4	10.4	6.2	6	37	22	16	0		
24				4	9.5	6	6.2	34	19	18	0		
25				8.6	6.4	6.5	6.4	35	20.4	16	0		
26				7.5	6.6	6.5	8	34.5	18.8	10.6	0		
27				7.5	7.7	7.5	12	29.5	16.4	16	0		
28				6.4	7	8	13	18.2	20.6	13.4	0		
29				5	8	8	14	15.6	23.7	25	0		
30				3.7	8	8		15		29	0		
31													
Sec.Ft. Days	0	0	0	193.5	213.1	185.5	164.9	662.3	763.9	598.8	147.0	0	Year Period
Mean													
Sec.Ft.	0	0	0	6.2	7.6	6.0	5.5	21.4	25.5	19.3	4.7	0	8.0
Max.													
Sec.Ft.	0	0	0	10.4	11.7	8.0	14.0	41.5	42.5	29.0	32.0	0	42.5
Min.													
Sec.Ft.	0	0	0	0	2.4	3.0	0	9.5	16.4	10.6	0	0	0
Total													
Ac. Ft.	0	0	0	383.8	422.7	367.9	327.1	1,313.7	1,515.2	1,187.7	291.6	0	5,809.7

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	5	0	3.5	12	17.5	19	17	Dry	Dry	
2			0	3	0	3.5	12.5	17.5	17.5	17			
3			0	2.5	2.5	4	13	16	17	18.5			
4			12	2	4.5	4	16	16	20	17			
5			8	1.5	3.5	4.5	13	15	23.5	17			
6			5.5	1.5	5.5	5	16.5	15.5	24	13			
7			3.5	2.5	5	5.5	16.5	14	20.5	11			
8			3	2.5	4.5	6.5	16	16.5	19.5	9.5			
9			3	3	3	8	16	23	19	8			
10			3	3	2.5	11	16.5	22	21	6.5			
11			3	3	2	11.5	20.5	22	17	7.5			
12			3.5	4.5	1	12.5	18	22	21	5.5			
13			5	5	1	7.5	19	23	20.5	3			
14			3.5	5	3	5.5	20	20.5	20.5	7.5			
15			4	5	3.5	3.5	20	21	24.5	10			
16			6	4.5	3.5	3.5	19	22	24	9.5			
17			7	4	3.5	3.5	17	24	23.5	8.5			
18			5.5	4	3.5	3.5	14	22	23.5	9			
19			4	3.5	3.5	4.5	17	19	24	9.5			
20			4	3.5	4	7	17	25	26	6			
21			4	3	4	7	15.5	33	23	10			
22			4	3.5	4.5	7	14.5	36	23	10			
23			3	5.5	5	7	13	34	23	10.5			
24			3	4.5	5	7	10.5	31	26	9.5			
25			3	9.5	5	7	10.5	31	25	8			
26			3.5	9	4.5	6.5	9	26	23	5			
27			5	7	4.5	6	16	18	17	15			
28			6.5	13.5	4	7	21	18	18	11			
29			7	7.5	9	9	18	16	19.5	6			
30			10	6	14.5	17	19	19	19	0			
31			8	2.5	12	18	18	18	18	0			
Sec.Ft. Days	0	0	138.5	140.0	96.0	208.0	474.5	673.0	642.0	295.5	0	0	Year Period
Mean													
Sec.Ft.	0	0	4.5	4.5	3.4	6.7	15.8	21.7	21.4	9.5	0	0	7.3
Max.													
Sec.Ft.	0	0	12.0	13.5	5.5	14.5	20.5	36.0	26.0	18.5	0	0	36.0
Min.													
Sec.Ft.	0	0	0	1.5	0	3.5	9.0	14.0	17.0	0	0	0	0
Total													
Ac. Ft.	0	0	274.7	277.7	190.4	412.6	941.2	1,334.9	1,273.4	586.1	0	0	5,291.0

TABLE NO. 24 - Continued

MATHEWS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	1	0	6.5	3	15	24	17	10.5	Dry	
2			0	0	0	6.5	3	15.5	23	17	10.5		
3			0	0	0	6.5	3	14.5	21	16.5	12.5		
4			0	0	0	6.5	3	14	20	17	5		
5			0	0	0	7.5	3	14	22	16.5	6		
6			0	0	0	5.5	3	14.5	17	16.5	0		
7			0	0	0	5	3	15	20	17	0		
8			0	0	0	5	3	15	21	13.5	0		
9			0	0	0	16	3	15	21	14	0		
10			0	0	0	15.5	3	15.5	19	14	0		
11			0	0	0	12.5	2.5	14.5	20.5	13.5	0		
12			0	0	1.5	8	2.5	11.5	21	13.5	0		
13			0	0	7	6.5	2	7.5	19	12.5	0		
14			0	0	7	6	1.5	12.5	20	11.5	0		
15			0	0	7	5.5	1	12	20.5	12	0		
16			0	0	7	5.5	1	11.5	17.5	10.5	0		
17			0	0	4.5	5	3.5	13.5	18.5	6	0		
18			0	0	2.5	11.5	7.5	14.5	18	3.5	0		
19			0	0	2	6	9.5	14	18.5	3	0		
20			0	0	2	5	10	15	16	5.5	0		
21			0	0	2	4.5	10	19	14.5	11	0		
22			0	4	2	4.5	11.5	21	14	9	0		
23			0	3.5	2	4	13	22.5	16	13	0		
24			0	0	2.5	4	12.5	25	17	14	0		
25			0	0	2	3.5	13	28	17	11.5	0		
26			1	0	2	3.5	12.5	28	18.5	10	0		
27			3	0	2	3.5	12.5	28	18.5	5.5	0		
28			2	0	5	3.5	13	10	18.5	4	0		
29			2	0		3.5	14.5	15	18.5	6.5	0		
30			2	0		3.5	14.5	24	17	6	0		
31			1.5	0		3		22.9		9	0		
Sec.Ft. Days	0	0	11.5	8.5	60.0	193.0	198.0	523.9	567.0	350.0	44.5	0	Year Period
Mean Sec.Ft.	0	0	0.4	0.3	2.1	6.2	6.6	16.9	18.9	11.3	1.4	0	5.4
Max. Sec.Ft.	0	0	3.0	4.0	7.0	16.0	14.5	28.0	24.0	17.0	12.5	0	28.0
Min. Sec.Ft.	0	0	0	0	0	3.0	1.0	10.0	14.0	3.0	0	0	0
Total Ac. Ft.	0	0	22.8	16.9	119.0	382.8	392.7	1,039.2	1,124.6	694.2	88.3	0	3,880.5

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	1	10.2	11.6	14	15.4	Dry	Dry	
2						2.2	12	15.8	20.5	12.3			
3						1.6	13.6	21	30	10.8			
4						1	12.2	19	29	10			
5						4	9.2	15.4	24	8			
6						2.2	8.8	16.7	17	6.6			
7						3.8	9.7	13.2	14.2	7.8			
8						5.2	11	14.2	19.8	8.4			
9						6.5	10.8	18.7	14.2	6.4			
10						7.2	7.8	19.8	14.8	3.8			
11						8.3	7.4	19.4	19.8	3			
12						7	8.8	18.7	20	1.7			
13						6.8	6	19.4	22.5	6.5			
14						4.4	4.6	22.5	18	25			
15						4	4.8	22.5	13.4	29.6			
16						4	5.3	20	11	7.2			
17						5.2	5	17.3	7.8	5.4			
18						8.2	3.4	16.4	6.8	4.8			
19						9.5	3	14.8	7.8	0.8			
20						10.2	5.8	17.3	8.6	0			
21						8.4	5.8	19.8	9	0			
22						6.8	4.6	23.3	8.8	0			
23						6.7	5.4	25.8	7.2	0			
24						7.8	7.2	20.3	11.8	0			
25						9	7.6	19.4	15.4	0			
26						9.7	6.5	17	14.8	0			
27						8.6	7.6	15.4	14.8	0			
28						8.4	9.7	16	17.8	0			
29						8	7.2	17.3	18.4	0			
30						8.6	8.6	14.8	16	0			
31						9		16.7		0			
Sec.Ft. Days	0	0	0	0	0	193.3	229.6	559.5	467.2	173.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	6.2	7.7	18.0	15.6	5.6	0	0	4.4
Max. Sec.Ft.	0	0	0	0	0	10.2	13.6	25.8	30.0	29.6	0	0	30.0
Min. Sec.Ft.	0	0	0	0	0	1.0	3.0	11.6	6.8	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	383.4	455.4	1,109.8	926.7	344.1	0	0	3,219.4

TABLE NO. 24 - Continued

MATHEWS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	14	22	16	18			
2						0	14	22	11	18	Dry	Dry	
3						0	15	25	10	16			
4						0	14.5	33	11	14			
5						0	14	34	12	14			
6						0	14	25	19	16			
7						0	14	28	18.5	16			
8						0	14.5	34.5	18	16			
9						0	15	33	18.5	15.5			
10						0	15	34.5	22	15.5			
11						0	14	34	23.5	15.5			
12						0	14	35	25	16			
13						0	13.5	35	27	16			
14						0	13.5	30.5	25.5	17			
15						6.5	13	27	24.5	16.5			
16						14	13.5	16	24.5	16			
17						13	14	19	24.5	16.5			
18						14.5	19	23.5	25	16			
19						15	24.5	21.5	25.5	16			
20						14.5	18.5	21	23	17.5			
21						14.5	19	21.5	25	17			
22						13.5	19	21.5	27	17			
23						14	19	18	24.5	17			
24						12	18.5	28.5	20	17			
25						10	19	31	20	14.5			
26						11.5	19.5	25	18	12			
27						12.5	19.5	18	16	13			
28						11	20.5	17	19	14.5			
29						11	21.5	16	18	14.5			
30						11.5	21.5	19	18	12			
31						12		18.5		3			
Sec.Ft. Days	0	0	0	0	0	211.0	428.5	787.5	609.5	473.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	6.8	16.6	25.4	20.3	15.3	0	0	7.1
Max. Sec.Ft.	0	0	0	0	0	15.0	24.5	35.0	27.0	18.0	0	0	35.0
Min. Sec.Ft.	0	0	0	0	0	0	13.0	16.0	10.0	3.0	0	0	0
Total Ac. Ft.	0	0	0	0	0	418.5	988.8	1,562.0	1,208.9	939.2	0	0	5,117.4

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	6.2	7.8	15	21.5	17	Dry	Dry	Dry	
2				0	6.4	9	14	21.5	19.3				
3				0	5.5	12.2	22.5	21	21.6				
4				0	4.5	11.5	21	22.5	19.3				
5				0	3.9	12.7	21	22.5	18				
6				0	3.6	13.2	21.2	24.5	15				
7				0	3.9	13.2	20.8	22.5	15.4				
8				0	3.9	13.2	19.8	22.3	16.3				
9				0	3.5	13.2	18.4	23	17.6				
10				0	3.3	13.2	18.4	22	15.8				
11				2.6	3.2	13.2	19	22	12.7				
12				6.2	3.2	13	21.5	22.5	13.2				
13				6	2.7	14.5	23.6	22.5	14.5				
14				6.2	3	18	19.8	22.5	14				
15				6.2	2.7	14.8	19	21	12.8				
16				5.6	3.9	14.5	21.2	20	12.4				
17				4.2	4.7	14.8	22.5	19	11.6				
18				4.4	4.2	16	22	17.5	11.8				
19				4.2	3.7	13.8	21.5	18.5	13.4				
20				4	3.6	14.5	21.5	19.3	14				
21				3.8	3.3	15	21	15.8	14				
22				3.5	3.6	14.8	21	9.5	10.8				
23				3.3	4.4	16.6	29.5	11	7.4				
24				3.5	7.2	18	26.5	13.9	4.3				
25				3.9	7.4	19.3	23	15.8	4.5				
26				3.9	7.5	20.8	25.5	13.5	3.8				
27				3.6	9.5	17.2	28.5	18	3.1				
28				3.5	7.8	11.2	30.5	15.8	2.2				
29				3.5		24.5	26.5	14	1.3				
30				3.2		20.1	20.5	14	7.1				
31				3.6		14.5		16.4					
Sec.Ft. Days	0	0	0	88.9	130.3	458.3	656.2	585.9	364.2	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	2.9	4.7	14.8	21.9	18.9	12.1	0	0	0	6.3
Max. Sec.Ft.	0	0	0	6.2	9.5	24.5	30.5	24.5	21.6	0	0	0	30.5
Min. Sec.Ft.	0	0	0	0	2.7	7.8	14.0	9.5	1.3	0	0	0	0
Total Ac. Ft.	0	0	0	176.3	258.5	909.0	1,301.6	1,161.9	722.4	0	0	0	4,529.7

TABLE NO. 24 - Continued

MATHEWS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	3.5	7.6	22	10.5	Dry	Dry	Dry	
2					0	3.5	7.4	30	12.5				
3					0	3.5	7.6	32	5.5				
4					0	3.5	8.6	28	4.5				
5					0	3.5	7.2	27	4				
6					0	3.5	6.6	22	4				
7					0	3.4	6.3	21	4.4				
8					0	3.3	6.1	21	4				
9					0	3.4	6.1	12	4				
10					0	3.3	7	11.4	4.3				
11					0	4.3	6.8	8.6	4.3				
12					0	4.4	9.4	8	3.6				
13					0	5	12.8	12	3				
14					0	5.5	16	12.8	3.8				
15					0	5.6	17.6	11	5				
16					0	5.8	19.3	14.2	5				
17					0	5.6	20.2	17	4				
18					0	5.5	19	17	3				
19					0	5.8	17.3	17	4.4				
20					0	5.5	18.6	14.5	15.2				
21					0	5.5	16.6	14	12.5				
22					0	5.5	14	17	16.5				
23					0	6.3	12.2	17	10				
24					0	7.6	11.2	12.5	9				
25					0	7	11.4	12	6				
26					0	8	10.4	11.5	4				
27					2	8.6	11	11	0				
28					3.5	12.5	12.6	10	0				
29						13	11.2	6.2	0				
30						8.8	12.2	5.2	0				
31						8		4					
Sec.Ft. Days	0	0	0	0	5.5	178.2	350.3	478.9	167.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0.2	5.7	11.7	15.4	5.6	0	0	0	3.2
Max. Sec.Ft.	0	0	0	0	3.5	13.0	20.2	32.0	16.5	0	0	0	32.0
Min. Sec.Ft.	0	0	0	0	0	3.3	6.1	4.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	10.9	353.5	694.8	949.9	331.2	0	0	0	2,340.3

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	17.5	21	20	Dry	Dry	
2							0	16	20.5	21			
3							0	17	17.5	26			
4							9	20	21	25.5			
5							18.5	18.5	19	20			
6							16	19.5	20.4	11			
7							14.5	22.5	20.5	0			
8							6	22	22.5	0			
9							1	19	18.5	0			
10							15.5	17.5	17.5	0			
11							18	19	18.5	0			
12							19.5	21	19	0			
13							23	20	21	0			
14							16.5	21	19.5	0			
15							19	22	16	0			
16							17	23	16.5	0			
17							18	24	18.5	0			
18							19	22.5	18	0			
19							19	19	17.5	0			
20							24.5	17.5	18	0			
21							23	14.5	19	0			
22							16.5	18	19	0			
23							20.5	24.5	19	0			
24							19.5	26	19.5	0			
25							19	26.5	20.5	0			
26							20	31.5	22.5	0			
27							18.5	30.3	22.5	0			
28							17.5	28.5	22.5	0			
29							19	27.5	18.5	0			
30							19	22.5	18	0			
31								23.5		0			
Sec.Ft. Days	0	0	0	0	0	0	466.5	672.0	581.5	124.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	15.6	21.7	19.4	4.0	0	0	5.0
Max. Sec.Ft.	0	0	0	0	0	0	24.5	31.5	22.5	26.5	0	0	31.5
Min. Sec.Ft.	0	0	0	0	0	0	0	14.5	16.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	925.3	1,332.9	1,153.4	247.0	0	0	3,658.6

TABLE NO. 24 - Continued

MATHEWS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	11	16	18.5	Dry	Dry	Dry	
2						0	10	18.5	18.5				
3						0	8	18	19.5				
4						0	8	14.5	18.5				
5						0	15	17.5	17.5				
6						0	13	19	18.5				
7						0	16	19	19				
8						0	18	18.5	17				
9						0	17.5	17.5	15.5				
10						0	19	17	15.5				
11						0	19	17	15				
12						0	17.5	20	14.5				
13						6	17.5	21	11.5				
14						6	19.5	21	11				
15						6	19	19.5	11.5				
16						5	19.5	19	14				
17						7	16.5	19.5	13				
18						9	14.5	20.5	10				
19						10.5	14	20	9				
20						6.5	13.5	19.5	4.5				
21						6	19.5	19.5	1				
22						8.5	19.5	20	0				
23						11	17.5	20.5	0				
24						11.5	16.5	20.5	0				
25						11	21	21	0				
26						13.5	20.5	21	0				
27						13.5	20	20.5	0				
28						12	22	20	0				
29						11.5	19.5	18.5	0				
30						9	16	17.5	0				
31						11		16.5					
Sec.Ft. Days	0	0	0	0	0	174.5	498.0	590.0	293.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	5.6	16.6	19.0	9.8	0	0	0	4.3
Max. Sec.Ft.	0	0	0	0	0	13.5	22.0	21.0	19.5	0	0	0	22.0
Min. Sec.Ft.	0	0	0	0	0	0	8.0	16.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	346.1	987.8	1,170.2	581.2	0	0	0	03,085.3

TABLE NO. 25

BARTON CUT AT HEAD

Point of diversion - Thirteen and one-quarter miles below McKay Point on the south bank of St. Johns Branch in the southwest quarter of Section 22, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 90 second-feet.

Location of gaging station - At point of diversion. Map designation (25).

Description of gaging station - Hsdgate, staff gage and water stage recorder, rated by current meter measurements; replaced by Parshall Measuring Flume in 1937.

Operating agency - Wutchumna Water Company.

Gross service area - Approximately 1,500 acres (westerly portion of Wutchumna Water Company service area, only.)

Period of record - 1917-1945; intermittent during the years ending September 30, 1918, 1920, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, and 1932; no record during the years ending September 30, 1919, 1921, 1922, 1923 and 1936; continuous from May 2 to September 30, 1917, October 1, 1932 to September 30, 1935 and October 1, 1936 to September 30, 1945.

Criteria governing diversions - First 20 second-feet of flow reaching the head of Barton Cut in excess of flows required to meet downstream priorities aggregating 103 second-feet at their respective points of diversion when the flow of St. Johns Branch at Ketchum Ditch does not exceed 200 second-feet; next 40 second-feet in excess of flows required to meet the sum of 20 second-feet and downstream priorities of 98 second-feet, aggregating 118 second-feet at their respective points of diversion when the flow of St. Johns Branch at Ketchum Ditch is greater than 200 second-feet; maximum diversion, 60 second-feet.

Remarks - The Wutchumna Water Company, upon serving prior notice to intervening diverters, may transfer Barton Cut diversion entitlements in the amount of 25, 35, 50 or 60 second-feet to its main Wutchumna Ditch point of diversion above McKay Point. Since February 1946 all entitlements have been transferred to the main heading of Wutchumna Ditch above McKay Point.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	14.1	28.2	23.3	12.6	Dry	Dry	
2						0	12.8	26.1	22.8	7.6			
3						0	10.7	23.7	21.4	5.4			
4						0	9.8	24.9	17.8	2.7			
5						0	15.1	24.6	23.5	0			
6						0	21.1	26.1	26.1	0			
7						0	23.5	25.6	26.5	0			
8						0	24.2	25.6	23.7	0			
9						0	25.3	25.8	21.9	0			
10						0	25.3	26.3	25.1	0			
11						0	25.1	26.8	24.6	0			
12						0	25.3	25.6	25.1	0			
13						0	25.6	25.8	25.1	0			
14						12	26.8	26.1	26.5	0			
15						20.1	27.5	26.3	26.1	0			
16						19.5	25.1	26.1	25.1	0			
17						20.1	26.9	24.6	25.6	0			
18						21.2	28.5	25.3	26.5	0			
19						16.9	27.7	27.3	27.5	0			
20						14.5	24.4	26.5	27	0			
21						15	24.4	26.1	24.6	0			
22						16.2	26.1	26.1	24.6	0			
23						17.4	25.6	25.6	21.9	0			
24						18.2	25.8	26.1	20.6	0			
25						17.8	25.3	24.6	20.1	0			
26						17.4	26.8	23.7	16.6	0			
27						14.8	26.1	24.2	14.1	0			
28						12.4	24.4	24	13.1	0			
29						16.3	25.6	22.6	12.2	0			
30						20.4	26.5	25.5	17.4	0			
31						19.1	27.7	27.7	0	0			
Sec.Ft. Days	0	0	0	0	0	309.3	701.4	793.5	676.4	28.3	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	10.0	23.4	25.6	22.5	0.9	0	0	6.9
Max. Sec.Ft.	0	0	0	0	0	21.2	28.5	28.2	27.5	12.6	0	0	28.5
Min. Sec.Ft.	0	0	0	0	0	0	9.8	22.6	12.2	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	615.5	1,391.2	1,573.9	1,341.7	56.1	0	0	4,976.4

TABLE NO. 25 - Continued

BARTON CUT AT HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	7.6	22.4	31	21	Dry	Dry	
2						0	8.2	23.3	33.6	21.9			
3						0	7.0	26.1	34.9	25.1			
4						0	9.2	26.5	36.5	24.4			
5						0	17.2	21.5	37.3	24.2			
6						0	11.7	23.3	38.1	24.2			
7						0	9.6	24.0	37.3	25.1			
8						0	9.2	26.5	19.9	26.6			
9						0	8.6	27.5	19.7	25.6			
10						0	9.8	26.5	22.6	25.3			
11						0	10.7	35.3	26.5	35.8			
12						0	9.3	18.1	28	28.5			
13						0	8.6	35.7	26.5	28			
14						0	6.1	29.7	22.4	23.3			
15						0	8.1	32	18	17.4			
16						0	9.1	34.6	17.4	15.8			
17						0	12.0	33.0	19.9	13.9			
18						0	10.7	30	21.2	16			
19						0	6.9	25.1	28.1	17.8			
20						0	7.9	32.5	28.7	14.1			
21						0	7.3	39.5	30	13.9			
22						0	12.9	41.5	28	12.6			
23						0	18.7	37.3	27.5	11.5			
24						0	21.5	34.3	25.8	10.8			
25						0	24.4	34.3	24.6	7.9			
26						0	24.9	35.1	24.6	6.6			
27						7.9	24.2	35.1	19.7	2.6			
28						14.1	26.5	37.3	18.9	0			
29						6.8	27.5	34.1	24.9	0			
30						4	24.6	32.5	24.2	0			
31						6		31.7		0			
Sec. Ft. Days	0	0	0	0	0	36.8	405.7	969.5	795.0	510.3	0	0	Year Period
Mean Sec. Ft.	0	0	0	0	0	1.3	13.5	31.3	26.5	16.5	0	0	7.5
Max. Sec. Ft.	0	0	0	0	0	14.1	27.5	41.5	36.1	28.5	0	0	41.5
Min. Sec. Ft.	0	0	0	0	0	0	7.3	21.5	17.4	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	76.9	804.7	1,923.0	1,576.9	1,012.2	0	0	5,393.7

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	20.6	22.4	23.5	24.9	Dry	Dry	
2						0	21.9	22.8	26.8	25.1			
3						0	23.5	23	22.4	25.1			
4						0	25.8	23.2	23.5	24.2			
5						0	17.2	16.9	26	24.6			
6						0	19.5	18.7	29.5	23.5			
7						0	23.9	18.9	29.5	23.7			
8						0	23.2	20.6	24.8	22.4			
9						0	23.5	22.4	21.2	19.1			
10						0	23.5	21.5	22.4	16.8			
11						0	24.9	21.7	24.4	16			
12						0	23.5	21.2	25.8	13			
13						0	24.9	23.3	25.4	9.3			
14						0	27	25.1	24.4	8.2			
15						0	24.9	25.3	24.2	8.2			
16						5.5	22.8	24.9	23.9	8.1			
17						10.5	23.7	23.7	23.3	6.6			
18						10.3	23.3	27.6	23.7	4.9			
19						10	24.6	27.7	23.3	3.3			
20						9.2	26.3	26.9	19.3	2.3			
21						10.3	25.6	32.6	19.7	1.5			
22						0	24.4	34.1	27	1			
23						0	22.8	33.1	23	0			
24						0	20.3	33.0	23.7	0			
25						9.4	23.3	33.3	20	0			
26						14.5	2.6	25.3	26.5	0			
27						1.1	27.4	22.4	24.6	0			
28						14.1	24.0	24.9	25.0	0			
29						15.0	23.5	23.9	2.2	0			
30						17.0	22.1	24.2	20.2	0			
31						19.7		24.2		0			
Sec. Ft. Days	0	0	0	0	0	160.8	707.4	773.4	737.7	311.6	0	0	Year Period
Mean Sec. Ft.	0	0	0	0	0	5.2	23.6	24.9	24.6	10.1	0	0	7.4
Max. Sec. Ft.	0	0	0	0	0	19.7	27.4	34.1	29.5	25.1	0	0	34.1
Min. Sec. Ft.	0	0	0	0	0	0	17.2	18.7	19.3	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	319.0	1,101.1	1,534.0	1,463.2	618.5	0	0	5,337.8

TABLE NO. 25 - Continued

BARTON CUT AT HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	9.6	12.8	30	19.2	22.8	Dry	Dry	
2					0	12.2	13.3	29.7	14.4	23			
3					0	11.9	13.7	29	17.9	22.8			
4					0	14.2	13.3	33	23.3	23.7			
5					0	8.5	13.7	34.3	23.9	24.4			
6					0	7.3	14.8	41.2	22.6	22.8			
7					0	6	11.9	46	30.5	22.3			
8					0	5.7	13	41.7	30.3	20.2			
9					0	13.7	16	37.3	28.2	21			
10					0	14.5	11.2	36.1	24.6	21.7			
11					0	13.3	9.2	30.9	27.9	20.6			
12					0	10.7	8.9	26.5	29.1	18.7			
13					0	9.2	8.4	31	26.4	16.4			
14					0	8.5	8.7	26.8	28.7	13.8			
15					3.7	8.2	8.9	27.5	29.5	12.6			
16					14.1	7.9	8.9	28.5	30.3	10.8			
17					14.1	7.3	9.3	24.9	28.2	9.2			
18					13.3	7.3	9.6	21.9	27.9	6.2			
19					12.6	7.3	10.7	21.7	25.8	1.3			
20					13.3	7.5	10.2	27	23.7	0			
21					14.1	7.5	16	28	21.6	0			
22					18.7	7.3	23.3	27.7	23.2	0			
23					20.6	7.6	25.1	26.4	25	0			
24					20.2	7.6	24.2	25	25	0			
25					12.3	7.3	24.9	28.5	24	0			
26					7.6	7.3	24.2	29	22.2	0			
27					6.2	7.2	22.8	29.1	23.5	0			
28					5	0.9	24.2	29.1	23.1	0			
29					0.9	0.9	21.9	26	23	0			
30					7	7	25.1	22.8	22.4	0			
31					9.3	9.3		24.6		0			
Sec.Ft. Days	0	0	0	0	175.8	270.7	458.4	925.2	746.0	334.3	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	6.3	8.7	15.3	29.8	24.9	10.8	0	0	8.0
Max. Sec.Ft.	0	0	0	0	20.6	14.5	25.1	46.0	30.5	24.4	0	0	46.0
Min. Sec.Ft.	0	0	0	0	0	5.7	8.4	21.7	14.4	0	0	0	0
Total Ac. Ft.	0	0	0	0	348.7	536.9	909.3	1,835.1	1,479.7	663.1	0	0	5,772.8

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	0	11.4	20.3	11.9	17.6			
2					0	0	15.6	31	21.9	14.1			
3					0	0	19.7	28	22.4	11.9			
4					0	0	16.6	21.5	12.6	10.5			
5					0	0	10.5	20.1	14.8	8.2			
6					0	0	8.2	24.6	14.5	6.5			
7					0	0	11.2	19.3	15.5	5.1			
8					0	0	13.3	26	21.2	4.4			
9					0	0	12.2	25.1	18.9	3			
10					0	0	7.2	25.8	25.6	0			
11					0	0	7.2	32.8	32	0			
12					0	0	10.6	29	22.4	0			
13					0	0	6.6	28	15.9	0			
14					0	2.6	4	25.9	21.3	0			
15					0	5.1	3.8	22.4	22.4	0			
16					0	3.6	4.4	25.4	21.9	0			
17					0	4.1	3.8	17.8	16.8	0			
18					0	4.9	0	22.8	13.7	0			
19					0	7.6	0	23.3	13.3	0			
20					0	6.0	6.4	26	13.3	0			
21					0	5.8	5.4	25.6	12.2	0			
22					1	4.1	3.7	19.7	11.5	0			
23					3	2.5	5.4	17.2	9.2	0			
24					0	4.5	7.9	13.3	10.5	0			
25					0	9.3	8.2	14.1	10.2	0			
26					0	10.2	5.9	12.6	9.5	0			
27					0	8.9	9.5	14.5	9.8	0			
28					0	7.6	3.5	16.8	15.2	0			
29					0	6.8	10.2	13.7	18.5	0			
30					0	7.8	13.7	9.7	18.5	0			
31					0	8.9		11.2		0			
Sec.Ft. Days	0	0	0	0	4.0	112.8	257.6	602.3	503.7	81.3	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0.1	3.6	8.0	21.4	16.8	2.6	0	0	4.4
Max. Sec.Ft.	0	0	0	0	3.0	10.2	19.7	32.8	32.0	17.0	0	0	32.8
Min. Sec.Ft.	0	0	0	0	0	0	0	9.7	9.2	0	0	0	0
Total Ac. Ft.	0	0	0	0	7.9	223.7	510.9	1,313.7	999.1	161.3	0	0	3,216.6

TABLE NO. 25 - Continued

BARTON CUT AT HEAD

Diversion in second-foot for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	27	0	Dry	Dry	Dry	
2							0	27.5	0				
3							0	26	19				
4							0	28	19				
5							0	22.5	10				
6							0	23.5	5				
7							0	26	0				
8							0	25	0				
9							0	24	0				
10							0	26	10				
11							0	25	15				
12							0	25	19				
13							0	25	24.5				
14							5	13	16				
15							10	12	23.5				
16							13	15	20.5				
17							15	19	19.5				
18							20.5	15	23.5				
19							26	10	24				
20							26	5	23				
21							23	0	13				
22							20.5	0	10				
23							23.5	0	0				
24							27	0	0				
25							28.5	0	0				
26							23	0	0				
27							23	0	0				
28							38	0	0				
29							34	0	0				
30							28	0	0				
31								0					
Sec.Ft. Days	0	0	0	0	0	0	382.0	419.5	294.5	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	12.7	13.5	9.8	0	0	0	3.0
Max. Sec.Ft.	0	0	0	0	0	0	38.0	28.0	24.5	0	0	0	38.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	757.7	832.1	584.1	0	0	0	2,173.9

TABLE NO. 26

JENNINGS DITCH NEAR HEAD

Point of diversion - Thirteen and one-half miles below McKay Point on the south bank of St. Johns

Branch in the southwest quarter of Section 22, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 45 second-feet.

Location of gaging station - One-half mile below head of ditch in the southeast quarter of Section 21, Township 18 South, Range 25 East, M.D.B. and M. Map designation 26.

Description of gaging station - Open channel section, staff gage and water stage recorder, rated by frequent current meter measurements. Since 1939, timber control rated by current meter, with a water stage recorder in operation during seasons of diversion.

Operating agency - Jennings Ditch Company.

Gross service area - 1,260 acres.

Period of record - 1917-1949; intermittent during the years ending September 30, 1918 and 1920; no record during the year ending September 30, 1919; continuous from May 3 to September 30, 1917 and from October 1, 1920 to September 30, 1949.

Criteria governing diversions - First 39 second-feet of flow reaching the head of Jennings Ditch when the flow of St. Johns Branch at Ketchum Ditch does not exceed 200 second-feet, which rate of diversion is decreased to 34 second-feet when the flow of St. Johns Branch at Ketchum Ditch exceeds 200 second-feet; next 5 second-feet in excess of flows required to meet the sum of 34 second-feet and downstream priorities of 97 second-feet, aggregating 131 second-feet at their respective points of diversion; maximum diversion, 39 second-feet. After the flood of February 1945 and the change in the river channel and the position of the headgate constructed, Jennings Ditch was unable to divert its full entitlement. Until 1948 when a concrete weir was constructed across the river.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	0	19.5	17.5	36	35	11.5			
2				0	0	20.5	15.5	31	33	7			
3				0	7.5	20.5	21	31	28	20			
4				0	21.5	20	24.5	30.5	29.5	20			
5				10.5	15.5	22	23	29	29	18.5			
6				1.5	15	21.5	21	31.5	30	16.5			
7				0	15	21	21	30.5	35	15			
8				14	18	22	23.5	33	35	16.5			
9				15.5	21.5	24	30.5	35	30	11			
10				15.5	24	24	31	38	23	0			
11				25	22	23.5	31.5	35	23	0			
12				12	20.5	29	30.5	31	27	0			
13				15.5	19	28	28.5	22	29	0			
14				17.5	15	27	29	26.5	30	0			
15				22	13	26	28.5	32	30	0			
16				19.5	11.5	27	26	30	25	0			
17				16	11	28	26	31	23.5	0			
18				11	11	27	30	33	23	0			
19				7.5	17	27	38	29.5	21	0			
20				5	20.5	27.5	35.5	30	16.5	0			
21				3.5	20.5	30	35.5	32	14.5	0			
22				1	19	31	36	32.5	14.5	0			
23				0	21	28	31.5	31.5	13	0			
24				0	15	27.5	33	30	14	0			
25				0	14.5	24	35	30	15.5	0			
26				0	23.5	24.5	33	33	9	0			
27				0	19.5	23.5	30.5	32	9.5	0			
28				0	18	18	27.5	29	10.5	0			
29				0	21	23	30.5	20.5	11.5	0			
30				0	0	22.5	33	31	15	0			
31				0	0	17.5	31	31	0	0			
Sec.Ft.	0	0	0	212.5	470.5	754.5	855.5	958.0	682.5	136.0	0	0	Year Period
Max. Sec.Ft.	0	0	0	6.9	16.2	24.3	28.5	30.9	22.8	4.4	0	0	11.1
Min. Sec.Ft.	0	0	0	25.0	24.0	31.0	38.0	38.0	35.0	20.0	0	0	38.0
Total Ac. Ft.	0	0	0	421.5	933.2	1,496.6	1,696.9	1,900.2	1,353.7	269.8	0	0	8,071.9

KAWEAH RIVER

TABLE NO. 26 - Continued

JENNINGS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	3.5	17	17.5	22	28.5	28	12	Dry	
2			0	0	3	18.5	18.5	20.5	30	26	0	0	
3			0	0	2.5	19.5	17.5	24.5	29	27	0	0	
4			0	0	2.5	17.5	13	26	28	26	0	0	
5			0	0	2	17	15	25	28	20.5	0	0	
6			0	0	2.5	21	10.5	23	29	22	0	0	
7			0	0	9.5	23	19.5	24	28	25.5	0	0	
8			0	3	4.5	23	26.5	28	25.5	26	0	0	
9			0	0	15	22	24	28	26	26	0	0	
10			0	0	13.5	21	22.5	28	26	26	0	0	
11			0	0	8	20	17	30	30.5	23.5	0	0	
12			0	0	15	20	15	26	29	20.5	0	0	
13			0	0	9.5	20	20	20	30.5	16.5	0	0	
14			0	5.5	11	21.5	25	25.5	27.5	16	0	0	
15			0	3.5	9.5	20	24	27.5	26	12	0	0	
16			0	0	13	17	23	27	28	10.5	0	0	
17			0	0	16	15.5	22.5	29.5	28	14	0	0	
18			0	0	19	15.5	25.5	28	26.5	15	0	0	
19			0	0	20	16.5	25.5	25.5	30.5	13.5	0	0	
20			0	0	18	16.5	23	25.5	28.5	10.5	0	0	
21			0	0	11.5	20	18.5	26.5	27	15	0	0	
22			0	0	12.5	10	19	28.5	27	15.5	0	0	
23			0	0	15	9	19	26.5	26	10	0	0	
24			0	7	18	9	19	27	27	8.5	0	0	
25			0	9.5	19.5	11	21.5	27	25	11	0	0	
26			0	11	19	11	23	27	26	10	0	0	
27			0	11	19	15	25	25.5	23.5	11	0	0	
28			0	9	15	22.5	27	25.5	21	11	0	0	
29			0	7.5	21	21	27	26	25.5	13	0	0	
30			3.5	6	13.5	13.5	24.5	26	28	7	0	0	
31			0	4	14	14	24.5	26	28	5	0	0	
Sec.Ft. Days	0	0	3.5	80.0	333.5	529.5	630.0	808.0	819.0	522.0	12.0	0	Year Period
Mean Sec.Ft.	0	0	0.1	2.6	11.9	17.1	21.0	26.1	27.3	16.8	0.4	0	10.2
Max. Sec.Ft.	0	0	3.5	11.0	20.0	23.0	27.0	30.0	30.5	28.0	12.0	0	30.5
Min. Sec.Ft.	0	0	0	0	2.0	9.0	10.5	20.5	21.0	5.0	0	0	0
Total Ac. Ft.	0	0	6.9	158.7	661.5	1,050.2	1,249.6	1,602.7	1,624.5	1,035.4	23.8	0	7,413.3

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	2	0	0	9.5	16	29	20.5	Dry	Dry	
2			0	1	0	0	10	20.5	27.5	19			
3			0	0	1.5	0	12.5	18.5	25	20			
4			0	0	0.5	0	16.5	19.5	29	18			
5			0	0	0	0	12.5	19	32	19			
6			0	0	1	0	13	19	31	16.5			
7			0	0	2	2.5	16.5	20	27	17			
8			2	0	1.5	4.5	16.5	23	24	16.5			
9			2	0	0	6.5	16	28.5	25.5	9.5			
10			2	0	0	7.5	15.5	25.5	28.5	8			
11			1	0	0	12.5	19	22.5	24.5	8.5			
12			0	0	0	16	18.5	20.5	24.5	8.5			
13			0	0	0	13	20.5	20.5	28	7			
14			0	0	0	12.5	21.5	17.5	28	7			
15			0.5	0	0	13	21.5	16	25	11			
16			1.5	0	0	17.5	21.5	15.5	25.5	16			
17			0	0	0	15.5	21.5	14	27.5	12.5			
18			0	0	0	15.5	18	18.5	28.5	11			
19			0	0	0	15	19.5	19	24	9.5			
20			0	0	0	10	22	31	26.5	11			
21			0	0	0	9	21.5	27	25	11			
22			0.5	0	0	12	27	27	24.5	9.5			
23			2	2	0	13.5	24.5	25	23.5	8.5			
24			2.5	0	0	11.5	18.5	25	21.5	6.5			
25			1.5	3.5	0	9.5	18	26.5	21.5	13			
26			1.7	7	0	7	17.5	23.5	20.5	15			
27			3	9.5	0	6	19	24.5	18	7.5			
28			3.5	7.5	0	6	23.5	26	18.5	0			
29			3.5	7.5	0	15	18.5	22	20	0			
30			3.5	4.5	0	7.5	14	20	21.5	0			
31			4.5	0	0	8.5	23	23	23	0			
Sec.Ft. Days	0	0	37.2	41.0	6.5	260.0	544.0	671.0	766.0	336.0	0	0	Year Period
Mean Sec.Ft.	0	0	1.2	1.3	0.2	8.4	18.1	21.6	25.3	10.9	0	0	7.3
Max. Sec.Ft.	0	0	5.5	9.5	2.0	17.5	27.0	31.0	32.0	20.5	0	0	32.0
Min. Sec.Ft.	0	0	0	0	0	0	9.5	14.0	18.0	0	0	0	0
Total Ac. Ft.	0	0	73.8	81.3	12.9	515.7	1,079.0	1,330.9	1,507.5	670.4	0	0	5,271.5

TABLE NO. 26 - Continued

JENNINGS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	3	3	23.5	27	29	12.5			
2				0	2	2	24	27.5	30	12	Dry	Dry	
3				0	1	1.5	24	25.5	25.5	12			
4				0	1.5	5	23.5	27.5	24	15			
5				0	1.5	9	24	24	17.5	17.5			
6				0	1.5	10	24.5	23.5	15.5	17.5			
7				0	1.5	8	22.5	24.5	21	15.5			
8				0	1.5	6.5	21.5	25	26	14			
9				0	1.5	12.5	24	25.5	26.5	14			
10				0	1	12	21.5	25.5	21	17			
11				0	1	11	20	26	25	16.5			
12				0	1	9	19	25	25	15.5			
13				0	1	16	18.5	25.5	21.5	14			
14				0	1	22	17.5	20.5	22.5	13			
15				0	1.5	21.5	18.5	15	24	18.5			
16				0	5	20	18.5	16.5	26.5	20			
17				0	3.5	16.5	19	18	27.5	18.5			
18				0	3	12	23	13	29.5	15			
19				0	2.5	8	27	11.5	26.5	13			
20				0	3	7	26.5	15.5	14	17			
21				0	4	14	26.5	19.5	21.5	17			
22				0	9	19	27.5	26.5	17.5	21.5			
23				0	11	18.5	28	30	15	26			
24				0	13.5	18	31	30.5	16	16.5			
25				0	13	18	33	29.5	15.5	14			
26				3	9.5	18.5	26.5	30	18.5	11.5			
27				7.5	7	19	26.5	30.5	18.5	7			
28				5.5	5	24.5	22	32	19.5	7.5			
29				5	5	25	23.5	31	17.5	5.5			
30				5	5	25.5	26	27.5	15	5			
31				4.5	4.5	24.5	24.5	25	5	0			
Sec.Ft. Days	0	0	0	30.5	110.5	437.0	711.0	754.0	652.5	437.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	1.0	3.9	14.1	23.7	24.3	21.8	14.1	0	0	8.6
Max. Sec.Ft.	0	0	0	7.5	13.5	25.5	33.0	32.0	30.0	26.0	0	0	33.0
Min. Sec.Ft.	0	0	0	0	1.0	1.5	17.5	11.5	14.0	0	0	0	0
Total Ac. Ft.	0	0	0	60.5	219.2	866.8	1,410.3	1,495.5	1,294.2	867.8	0	0	6,214.3

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	3	8	9	21	12	Dry	Dry	
2					0	2.5	10	13	23	9.5			
3					0	0	12	12	26	8			
4					0	0	9.5	15	22.5	11			
5					0	10.5	7	12.5	22.5	12			
6					0	4.5	5.5	13.5	18	9.5			
7					0	6	7	13.5	17	8			
8					0	4.5	8	17.5	22.5	5			
9					0	5.0	8.5	21.5	17.5	2.5			
10					0	6.5	5.5	20.5	14	2.5			
11					0	8	5	20	16	4			
12					0	8	7.5	21.5	18	2.5			
13					0	6	4.5	22	22.5	1			
14					0	4.5	2.5	22.5	19	0			
15					0	3.5	2.5	21.5	16	0			
16					0	2.5	2.5	20	12.5	0			
17					0	3	2	20	9	0			
18					0	4	0	19.5	7.5	0			
19					0	5	0	17	8	0			
20					0	5.5	3.5	21	9	0			
21					0	4.5	3.5	24.5	8	0			
22					0	3	2	24.5	7.5	0			
23					2.5	2.5	3	26.5	5.5	0			
24					3.5	4	5	25	6	0			
25					0	5	5	26	5.5	0			
26					0	6	3.5	24	7.5	0			
27					2.5	5	5	24.5	10.5	0			
28					0	4.5	9	27.5	13	0			
29					0	4.5	3.5	27.5	14	0			
30					0	5.5	7	22.5	13	0			
31					0	6.5	6.5	22.5	13	0			
Sec.Ft. Days	0	0	0	0	8.5	143.5	159.5	628.0	432.0	87.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0.3	4.6	5.3	20.3	14.4	2.8	0	0	4.0
Max. Sec.Ft.	0	0	0	0	3.5	10.5	12.0	27.5	26.0	12.0	0	0	27.5
Min. Sec.Ft.	0	0	0	0	0	0	0	9.0	5.5	0	0	0	0
Total Ac. Ft.	0	0	0	0	16.9	284.6	316.4	1,245.6	856.9	173.5	0	0	2,893.9

TABLE NO. 26 - Continued

JENNINGS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	15.5	10	12	Dry	Dry	
2							0	14.5	14.5	10.5			
3							0	22	20	9			
4							0	16.5	19.5	7.5			
5							0	17	20	9.5			
6							0	17	7.5	7.5			
7							0	18.5	6	5.5			
8							0	17	6	5			
9							0	12	6.5	4			
10							0	18.5	15	3			
11							0	21.5	32	2			
12							0	26.5	30.5	2			
13							0	22.5	30.5	2			
14							0	17	24.5	1			
15							2	11.5	19	0			
16							7	16.5	16.5	0			
17							10.5	11.5	15.5	0			
18							3	14	15	0			
19							2	11.5	13	0			
20							1	11.5	10.5	0			
21							0	13.5	15	0			
22							0	15	10	0			
23							0	17	3.5	0			
24							0	16	4	0			
25							3	19	9	0			
26							6	17	12	0			
27							9.5	15.5	14	0			
28							14.5	16	14.5	0			
29							15.5	15.5	16	0			
30							15.5	16	15	0			
31								11.5		0			
Sec.Ft. Days	0	0	0	0	0	0	89.5	505.5	448.0	81.5	0	0	Year Period
Mean							3.0	16.3	14.9	2.6	0	0	3.1
Max.							15.5	26.5	32.0	12.0	0	0	32.0
Min.													
Sec.Ft.	0	0	0	0	0	0	0	11.5	3.5	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	0	0	177.5	1,002.7	888.6	161.6	0	0	2,250.4

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	17.7	9.8	Dry	Dry	Dry	
2							0	16.2	12				
3							0	14.8	11.8				
4							0	18	10				
5							0	20.4	9.6				
6							0	23.4	8.2				
7							0	23.4	8				
8							0	18.3	7.5				
9							0	17	8.2				
10							0	13.9	7				
11							0	15	5.4				
12							0	16.2	4.6				
13							0	15.6	3.8				
14							0.2	14.5	3.2				
15							3.3	15.6	2.6				
16							9.8	13.9	2.4				
17							9.8	12.6	2				
18							9.8	12.3	1.8				
19							9.6	13.6	0.7				
20							9.6	14.5	0.4				
21							9.6	13	0.4				
22							9.8	11.4	0				
23							11.2	9.3	0				
24							7.7	8.4	0				
25							6.4	9	0				
26							6.8	8.5	0				
27							7	9.3	0				
28							7	8.4	0				
29							13.6	7.5	0				
30							14.8	7.7	0				
31								6.9					
Sec.Ft. Days	0	0	0	0	0	0	146.0	428.3	119.4	0	0	0	Year Period
Mean							4.9	13.8	4.0	0	0	0	1.9
Max.							14.8	23.4	12.0	0	0	0	23.4
Min.													
Sec.Ft.	0	0	0	0	0	0	0	7.5	0	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	0	0	289.6	849.6	236.8	0	0	0	1,376.0

DIVISION OF WATER RESOURCES

TABLE NO. 26 - Continued

JENNINGS DITCH NEAR HEAD

Diverslon in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	2.7	2.7	7.2	Dry	Dry	Dry	
2						0	2.7	6.4	8.8				
3						0	2.8	15.6					
4						0	3.1	17	8				
5						0	2.4	18.2	7				
6						0	2.3	18.8	6.8				
7						0	2	14.5	5.8				
8						0	1.9	14.2	3				
9						0	1.8	12.6	2.7				
10						0	1.8	11.8	2.7				
11						0	1.9	7.6	2.2				
12						0	2.7	6.6	1.4				
13						0	3.6	10.1	1.6				
14						0	5.8	11.5	3.2				
15						0	7.2	10.7	4				
16						0	9.1	12.1	3.2				
17						0	10.6	14.5	2.3				
18						0	10.8	14.5	1.9				
19						0	11.5	13.9	1.9				
20						0.7	12	13.1	2.2				
21						1.9	11	12.6	1.1				
22						1.9	9.7	16.5	0				
23						2.8	7.6	22	0				
24						4.8	6	18.8	0				
25						2.6	5.6	16	0				
26						2	5	14.2	0				
27						2.2	5	11.8	0				
28						2.4	6.4	12.3	0				
29						3.2	6.8	11	0				
30						2.7	4.7	10.1	0				
31						2.6		9					
Sec.Ft. Days	0	0	0	0	0	29.8	166.3	398.7	85.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	1.0	5.5	12.9	2.8	0	0	0	1.9
Max. Sec.Ft.	0	0	0	0	0	4.8	12.0	22.0	8.8	0	0	0	22.0
Min. Sec.Ft.	0	0	0	0	0	0	1.8	2.7	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	59.1	329.9	790.8	168.6	0	0	0	1,348.4

Diverslon in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	2	7	Dry	Dry	Dry	
2							0	1	10				
3							0	0.5	8				
4							0	2.5	10.5				
5							0	9	7				
6							0	14.5	7.5				
7							0	20	9.5				
8							0	10.5	12				
9							0	7.5	12.5				
10							3	8	6				
11							4	9	8				
12							3	11	9.5				
13							2.5	11.5	12				
14							2	14	11.5				
15							2	21	9.5				
16							2	17.5	9.5				
17							3	15	8				
18							5.5	16.5	6.5				
19							6	10	6.5				
20							5	9	6				
21							5.5	8	6				
22							5.5	7.5	5				
23							4	11.5	5				
24							2.5	17	4				
25							2	17	3.5				
26							3.5	17.5	3				
27							4.5	17	2.5				
28							5.5	13	1.5				
29							5.5	7	0.5				
30							4	6	0.5				
31								8					
Sec.Ft. Days	0	0	0	0	0	0	80.5	339.5	208.5	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	2.7	11.0	7.0	0	0	0	1.7
Max. Sec.Ft.	0	0	0	0	0	0	6.0	21.0	12.5	0	0	0	21.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0.5	0.5	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	159.7	673.4	413.5	0	0	0	1,246.6

TABLE NO. 26 - Continued

JENNINGS DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	6.5	15	Dry	Dry	Dry	
2							0	12.5	23				
3							0	13	30.5				
4							0	9.5	31				
5							0	8.5	31.5				
6							0	10.5	32.5				
7							0	11	31.5				
8							0	12.5	30.5				
9							0	14	30.5				
10							0	13	29.5				
11							1	12	29				
12							3.5	12.5	29.5				
13							4	14	24				
14							5.5	17.5	17.5				
15							6	15	16				
16							5	13	13.5				
17							5.5	13.5	6.5				
18							5	15.5	2				
19							4.5	14.5	0				
20							4	13	0				
21							6	12.5	0				
22							9.5	14.5	0				
23							11.5	18	0				
24							11	20	0				
25							12	18	0				
26							8	21.5	0				
27							7.5	22	0				
28							9	19.5	0				
29							9	16.5	0				
30							7.5	16	0				
31								15					
Sec.Ft. Days	0	0	0	0	0	0	135.0	445.0	423.5	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	4.5	14.4	14.1	0	0	0	2.7
Max. Sec.Ft.	0	0	0	0	0	0	12.0	22.0	32.5	0	0	0	32.5
Min. Sec.Ft.	0	0	0	0	0	0	0	6.5	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	267.8	882.6	840.0	0	0	0	1,990.4

TABLE NO. 27

UPHILL DITCH NEAR HEAD

Point of diversion - Fifteen miles below McKay Point on the north bank of St. Johns Branch in the northwest quarter of Section 21, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 60 second-feet.

Location of gaging station - Prior to December 1939, 700 feet below head of ditch in the northwest quarter of Section 21, Township 18 South, Range 25 East, M.D.B. and M. Since December 1939, 100 yards below ditch head in same section. Map designation (27).

Description of gaging station - Open channel, staff gage and water stage recorder, rated by frequent current meter measurements; replaced by Marshall Measuring Flume in 1938 until December 1939; since December 1939 open channel section rated by current meter, with a water stage recorder in operation.

Operating agency - Uphill Ditch Company.

Gross service area - 1,800 acres.

Period of record - 1917-1949; intermittent during the years ending September 30, 1918 and 1920; no record during the years ending September 30, 1919 and 1923; continuous from May 3 to September 30, 1917, October 1, 1920 to September 30, 1922 and April 12, 1924 to September 30, 1949.

Criteria governing diversions - First 20 second-feet of flow reaching the head of Uphill Ditch in excess of flows required to meet downstream priorities aggregating 44 second-feet at their respective points of diversion; next 8 second-feet in excess of flows required to meet the sum of 20 second-feet and downstream priorities of 64 second-feet, aggregating 84 second-feet at their respective points of diversion; next 2 second-feet in excess of flows required to meet the sum of 28 second-feet and downstream priorities of 67 second-feet, aggregating 95 second-feet at their respective points of diversion; next 10 second-feet in excess of flows required to meet the sum of 30 second-feet and downstream priorities of 458 second-feet, aggregating 488 second-feet at their respective points of diversion; at high river stages, total diversions are increased to a maximum of 45 second-feet.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	7 e.	13.5	25.5	34	28.5	26.5			
2				0	8 e.	18	27.5	31.5	27.5	21.5	Dry	Dry	
3				0	10 e.	24	27.5	30	29.5	17.5			
4				0	15 e.	23.5	25	32	32	9			
5				0	15 e.	24.5	26.5	31.5	30.5	0			
6				0	14 e.	27	28.5	34	30.5	0			
7				0	14 e.	23	29	34	24.5	0			
8				12 e.	12 e.	25.5	23.5	28.5	26	0			
9				12 e.	12 e.	26	25	27.5	25.5	0			
10				13 e.	12 e.	26	30.5	30	25	0			
11				14 e.	12 e.	29	33.6	26	28	0			
12				15 e.	12 e.	30.5	30.5	20.5	29.5	0			
13				13 e.	12 e.	29	28.5	25	31	0			
14				12 e.	18 e.	27	26	26.5	32	0			
15				10 e.	19.5	27	27.5	27	31	0			
16				8 e.	21.5	26.5	29	28.5	31.5	0			
17				8 e.	21.5	27.5	30	30	26	0			
18				6 e.	23.5	28	30.5	29	26.5	0			
19				6 e.	22	28	23	28	28	0			
20				4 e.	21.5	28.5	18.5	31.5	27.5	0			
21				3 e.	24	29.5	21	32.5	28.5	0			
22				0	25	31.5	23.5	31	29.5	0			
23				0	27	32.5	28	29.5	29	0			
24				0	20	34	31	25	31.5	0			
25				5 e.	15.5	26.5	30.5	22	31	0			
26				15 e.	16.5	27.5	24	20	27.5	0			
27				12 e.	11	28	20	21.5	26	0			
28				10 e.	16	21.5	27	23	27	0			
29				8 e.	16	24.5	33	20	27.5	0			
30				7 e.		23	35	15	31	0			
31				7 e.		25.5		23		0			
Sec.Ft.	0	0	0	200.0	473.5	816.0	818.6	847.5	859.0	74.5	0	0	Year Period
Mean				6.5	16.3	26.3	27.3	27.3	28.6	2.4	0	0	11.2
Max.				15.0	27.0	34.0	35.0	34.0	32.0	26.5	0	0	35.0
Min.				0	7.0	13.5	18.5	15.0	24.5	0	0	0	0
Total				395.7	939.2	1,618.5	1,623.7	1,681.0	1,703.8	147.8	0	0	5,110.7
Ac. Ft.	0	0	0	395.7	939.2	1,618.5	1,623.7	1,681.0	1,703.8	147.8	0	0	5,110.7

e. Based on occasional measurements and gage readings without an automatic recorder.

TABLE NO. 27 - Continued

UPHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	17	18.5	8	23	6	26	27	Dry	Dry	
2			0	16.5	18	6	27	6	27.5	25			
3			0	17.5	18	7	25	6	27	27			
4			0	14.5	17.5	12.5	20	6	26.5	28			
5			0	14	17.5	15	22	3.5	26.5	28.5			
6			0	14	10	13.5	17	2	24.5	28.5			
7			0	17	15	19.5	22	2	22.5	28			
8			0	19	10	22	21.5	2	23	30			
9			0	14	18.5	21	20.5	2	24.5	29.5			
10			0	14.5	19	20.5	19.5	4	27	29			
11			0	15	14.5	20	19.5	14.5	27.5	31			
12			0	12	21	19	17.5	20.5	27.5	31.5			
13			0	10.5	15	19	23.5	26.5	27.5	31			
14			0	13	17.5	16	23.5	29	26.5	29.5			
15			0	16	16	12.5	22	28	26	31			
16			0	14	16.5	15.5	22	31	26	33			
17			0	12.5	14	18	24	30.5	27	31			
18			0	11	15	19	24.5	29	27.5	29.5			
19			0	10	17.5	20	23	27	29	28.5			
20			0	10.5	17.5	20	22.5	28	28	25			
21			0	11.5	13.5	19.5	24	32	26.5	28			
22			0	13.5	9.5	20.5	22.5	27.5	26	26			
23			0	12.5	15.5	23	22	24	25.5	28			
24			0	17	19	23.5	23	23	25	28			
25			10	16	19	23.5	25.5	23.5	24	24			
26			8	17.5	13.5	25.5	16	23.5	26	21			
27			19.5	19	10	28.5	7	23.5	23	17			
28			21.5	19	9	30.5	15	25	22.5	13			
29			17	16		23.5	14	25.5	28	4			
30			14	17.5		18	8	26	29.5	0			
31			18	18.5		17.5		27		0			
Sec.Ft. Days	0	0	108.0	460.5	435.5	577.5	616.5	584.0	783.5	770.5	0	0	Year Period
Mean Sec.Ft.	0	0	3.5	14.9	15.6	18.6	20.6	18.8	26.1	24.9	0	0	11.9
Max. Sec.Ft.	0	0	21.5	19.0	21.0	30.5	27.0	32.0	29.5	33.0	0	0	33.0
Min. Sec.Ft.	0	0	0	10.0	9.0	6.0	7.0	2.0	22.5	0	0	0	0
Total Ac. Ft.	0	0	214.2	913.4	863.8	1,145.5	1,222.8	1,158.4	1,554.1	1,528.3	0	0	8,600.5

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	9	14.5	32.5	31	28.5	31.5	Dry	Dry	
2				0	7	15	33	28	28	31.5			
3				0	9.5	16	35	29.5	28	30.5			
4				0	8.5	16.5	33	30.5	28.5	30.5			
5				0	6	18	36	30.5	30	27.5			
6				0	11	21	26	27.5	30.5	27			
7				0	10	23	29.5	31	30	31.5			
8				0	13.5	26.5	31.5	33	29.5	33			
9				0	14	25	32.5	31	28.5	31.5			
10				0	14.5	21	32.5	26	30	31.5			
11				0	6	23	32.5	30	32.5	32.5			
12				5	0	26	33	30	31.5	32.5			
13				4	0	24.5	33.5	30.5	30	32			
14				3	0	20.5	31.5	29.5	29	31			
15				3	0	24	34	29.5	28.5	32			
16				2	0	29.5	34.5	27	30.5	31			
17				1	0	29	33.5	29	31	28.5			
18				1	0	31.5	36	29	30.5	26			
19				0	6	31.5	36.5	26	30	24			
20				0	12	30	35	18.5	28.5	20.5			
21				4	13	31	30	24.5	29.5	20.5			
22				5	11	33	31	28	31.5	20			
23				9	14	33	30	26.5	31	15			
24				8	16	31	29.5	28.5	31	15			
25				9	15	28.5	30.5	25.5	32	7			
26				14	15	27	31	26	33	0			
27				10	16	28	32.5	27.5	32.5	0			
28				17	15	28	32.5	28.5	34	0			
29				15		28.5	31	27.5	33	0			
30				9		29	31	28	31	0			
31				10		31		30		0			
Sec.Ft. Days	0	0	0	129.0	242.0	794.0	960.5	877.5	912.0	673.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	4.2	8.6	25.6	32.0	28.3	30.4	21.7	0	0	12.6
Max. Sec.Ft.	0	0	0	17.0	16.0	33.0	36.5	33.0	34.0	33.0	0	0	36.5
Min. Sec.Ft.	0	0	0	0	0	14.5	26.0	18.5	28.0	0	0	0	0
Total Ac. Ft.	0	0	0	255.9	480.0	1,574.9	1,905.1	1,740.5	1,809.0	1,335.9	0	0	9,101.3

TABLE NO. 27 - Continued

UPHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	0	24.5	28.5	26	34	29.5	Dry	Dry	
2				0	0	23.5	29	28.5	30.5	31.5			
3				0	0	24	29.5	30	28.5	32			
4				0	0	20	29.5	26.5	28.5	30.5			
5				0	0	16	34.5	22.5	27.5	33.5			
6				0	0	12.5	33.5	35.5	28.5	35			
7				0	0	15	34.5	36.5	31	28			
8				0	0	15	32.5	33.5	29.5	27			
9				0	0	17.5	31.5	29.5	31.5	24			
10				0	0	21.5	29	32.5	30.5	23.5			
11				0	0	20	31.5	35	31.5	22			
12				0	0	13.5	34.5	34.5	31.5	6.5			
13				0	0	11	33.5	33.5	30	0			
14				0	0	4.5	35	33.5	32	0			
15				0	0	0	36	31.5	31	0			
16				0	9	0	33	29.5	31	0			
17				0	13	0	32.5	31	29.5	0			
18				0	12	3	33.5	31	29	0			
19				0	12.5	3	35	29.5	29.5	0			
20				0	12	0	35.5	31.5	31	0			
21				0	12	0	35	33.5	31.5	0			
22				0	12	0	36.5	32.5	30.5	0			
23				4	11	0	37	30.5	30.5	0			
24				0	11	20.5	36.5	31	31.5	0			
25				0	12.5	32	33	30.5	31.5	0			
26				0	11	32.5	30.5	27.5	32	0			
27				0	19	32.5	32.5	26	30.5	0			
28				0	24.5	34	33.5	26	31	0			
29				0	0	34.5	32.5	29	28	0			
30				0	0	28	30	28	28	0			
31				0	0	23	29.5	29.5	29.5	0			
Sec.Ft. Days	0	0	0	4.0	171.5	481.5	989.0	947.5	913.0	323.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0.1	6.1	15.5	33.0	30.6	30.4	10.4	0	0	10.5
Max. Sec.Ft.	0	0	0	4.0	24.5	34.5	37.0	36.5	34.0	35.0	0	0	37.0
Min. Sec.Ft.	0	0	0	0	0	0	28.5	26.0	27.5	0	0	0	0
Total Ac. Ft.	0	0	0	7.9	340.2	955.0	1,961.7	1,879.4	1,810.9	640.7	0	0	7,595.8

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	13.5	32.5	30	30	29	Dry	Dry	
2					0	13	33.5	31.5	33	30			
3					0	8	36	27	30	31.5			
4					0	4	35	21	27	30			
5					0	26	29.5	21.5	29.5	28.5			
6					0	21.5	26	21	25	24.5			
7					0	19	30	23	27.5	28.5			
8					0	16.5	30.5	25.5	29.5	27.5			
9					0	16.5	26	25	30	23			
10					1	19	24.5	25	24	9.5			
11					1	22.5	25	29	29	0			
12					1	26	28.5	32	30	0			
13					0	28	23	31	29.5	0			
14					0	26	25.5	34	31.5	0			
15					0	17	17.5	31	32.5	0			
16					0	16	20.5	33	32	0			
17					0	18.5	20.5	33	29.5	0			
18					0	21.5	15.5	30.5	28	0			
19					0	25	15	34.5	32	0			
20					0	26.5	22.5	37.5	34.5	0			
21					0	23.5	21	37.5	31.5	0			
22					0	21.5	18	36.5	27.5	0			
23					16	22	21.5	33	28	0			
24					7.5	25.5	26.5	34	30	0			
25					2	29	28	31	30	0			
26					2.5	31	24	29.5	28.5	0			
27					8	28.5	26.5	33	29	0			
28					3.5	28	29.5	35.5	33	0			
29					2	28.5	23	36	31.5	0			
30					0	30	24.5	31	28.5	0			
31					0	30.5	30.5	30	29.5	0			
Sec.Ft. Days	0	0	0	0	44.5	682.0	759.5	943.0	891.5	262.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	1.5	22.0	25.3	30.4	29.7	8.5	0	0	9.8
Max. Sec.Ft.	0	0	0	0	16.0	31.0	36.0	37.5	34.5	31.5	0	0	37.5
Min. Sec.Ft.	0	0	0	0	0	4.0	15.0	21.0	24.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	88.3	1,352.7	1,500.5	1,870.4	1,708.3	519.7	0	0	7,105.9

TABLE NO. 27 - Continued

UPHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	0	29	51	34.5	39	Dry	Dry	
2					0	0	30	52.5	37.5	36.5			
3					0	0	31	50	39.5	33			
4					0	0	28	51	41	33			
5					20	0	28	51	45	34			
6					30	0	29.5	53.5	37	34.5			
7					31	0	31.5	52	38.5	35			
8					30	0	31	52	35.5	33			
9					27	0	26	50.5	34.5	34			
10					28	0	27.5	52.5	31.5	34			
11					27	0	27.5	49.5	39	33			
12					23	0	28.5	50.5	46	31.5			
13					22	0	31	51.5	45.5	29.5			
14					21	0	31.5	49.5	43	33			
15					6	9.5	30	45	45	29.5			
16					0	29	31	50	45.5	32			
17					0	27.5	35.5	51	45.5	32.5			
18					0	29	38.5	48.5	47.5	29.5			
19					0	26	35	42.5	47.5	25.5			
20					0	25	35.5	40.5	46	19.5			
21					0	27.5	36.5	42	45	17.5			
22					0	29.5	40	43	42	17.5			
23					0	30	41.5	40.5	35	16			
24					0	25	44	36	33.5	14			
25					0	23	43.5	35.5	41.5	11			
26					0	34.5	42	36	40	6			
27					0	29.5	45	35	36	0			
28					0	27.5	50.5	35	39	0			
29						21	51	34.5	40.5	0			
30						16.5	48.5	35	39	0			
31						19		33.5		0			
Sec.Ft. Days	0	0	0	0	265.0	429.0	1,058.0	1,400.5	1,217.0	726.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	9.5	13.8	35.3	45.2	40.6	23.4	0	0	14.0
Max. Sec.Ft.	0	0	0	0	31.0	34.5	51.0	53.5	47.5	39.0	0	0	53.5
Min. Sec.Ft.	0	0	0	0	0	0	26.0	33.5	31.5	0	0	0	0
Total Ac. Ft.	0	0	0	0	525.6	850.9	2,098.6	2,777.9	2,433.9	1,441.0	0	0	10,107.9

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	Dry	8	23.5	46.5	34	Dry	Dry	Dry	
2			0	0		12	24.5	45	35				
3			0	0		13	32	45	33.5				
4			0	0		12	27	47.5	32				
5			0	0		6.5	32	46	32.5				
6			0	0		3	36.5	43.5	30.5				
7			0	0		1.5	36.5	45	32.5				
8			0	0		3.5	33.5	47.5	32.5				
9			0	0		3.5	31.5	46.5	33.5				
10			0	0		19.5	30.5	46.5	31.5				
11			0	0		20.5	33.5	51.5	30.5				
12			0	0		18	37.5	50	31				
13			0	0		22.5	40.5	42.5	32				
14			0	0		34.5	34.5	35	31.5				
15			0	7.5		32	31	34.5	30				
16			0	8.5		33.5	33.5	32.5	29.5				
17			0	3.5		33	31.5	35	29				
18			0	1.5		33.5	34	35	25.5				
19			0	0		33	38	35.5	22.5				
20			0	0		33	40.5	34.5	22.5				
21			0	0		33	39.5	30	23				
22			1	0		33	30.5	29.5	20.5				
23			7.5	0		33	31.5	32	19				
24			5	0		33	34	33.5	9				
25			3	0		33	36.5	34	0				
26			1.5	0		33.5	39	32.5	8.5				
27			0	0		37	36	36	7.5				
28			0	0		38	42	32.5	0				
29			0	0		40	46.5	32.5	0				
30			0	0		46.5	49.5	35	0				
31			0	0		39		37					
Sec.Ft. Days	0	0	18.0	21.0	0	775.0	1,053.0	1,209.5	699.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0.6	0.7	0	25.0	35.1	39.0	23.3	0	0	0	10.3
Max. Sec.Ft.	0	0	7.5	8.5	0	46.5	49.5	51.5	35.0	0	0	0	51.5
Min. Sec.Ft.	0	0	0	0	0	1.5	23.5	29.5	0	0	0	0	0
Total Ac. Ft.	0	0	35.7	41.7	0	1,537.2	2,088.6	2,399.0	1,386.5	0	0	0	7,488.7

TABLE NO. 27 - Continued

UPHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	4.5	32.5	33.5	34	29	Dry	Dry	Dry	
2			0	0	4	34	33.5	32.5	30				
3			0	0	4	36	34	32.5	27.5				
4			0	0	2.5	32.5	34.5	60	31.5				
5			0	0	3	30	33.5	39	30				
6			0	0	2.5	28	33.5	51	28				
7			0	0	2.5	26.5	32.5	47	30				
8			0	0	2.5	29.5	31.5	34.5	30				
9			0	0	2.5	33.5	31	32	33				
10			0	0	14	32	31.5	32	34.5				
11			0	0	21	33	31.5	32.5	34.5				
12			0	0	19	31.5	34.5	34	33.5				
13			0	0	21	31	36.5	32	29.5				
14			0	0	24.5	31.5	39.5	31.5	32.5				
15			0	0	22.5	32	36	30.5	32				
16			0	0	22	32.5	37	33	30.5				
17			0	0	29	33	34.5	31	29				
18			0	0	34.5	33	30.5	32.5	24				
19			0	0	33.5	34.5	31	34.5	21.5				
20			0	0	33	34.5	29.5	31.5	16.5				
21			0	0	32.5	34.5	30	30.5	11				
22			0	0	32.5	33.5	30	28.5	0				
23			0	0	32	34.5	31	26.5	0				
24			0	0	32	35	31	28	0				
25			0	0	32	34.5	29.5	28	0				
26			0	0	32.5	31.5	29.5	30	0				
27			0	0	31.5	31	32	31.5	0				
28			20.5	0	32.5	31.5	33	28	0				
29			22	3.5	0	31	32	28	0				
30			9.5	0	0	28	33	30.5	0				
31			2	3.5	0	31	0	28.5	0				
Sec.Ft. Days	0	0	54.0	7.0	559.5	997.0	980.5	1,075.5	598.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	1.7	0.2	20.0	32.2	32.7	34.7	19.9	0	0	0	11.7
Max. Sec.Ft.	0	0	22.0	3.5	34.5	36.0	39.5	60.0	34.5	0	0	0	60.0
Min. Sec.Ft.	0	0	0	0	2.5	26.5	29.5	26.5	0	0	0	0	0
Total Ac. Ft.	0	0	107.1	13.9	1,109.8	1,977.5	1,944.8	2,133.3	1,186.1	0	0	0	8,472.5

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	31	29	20	Dry	Dry	
2							0	29	32	6.5			
3							0	28.5	30	0			
4							0	35	31.5	0			
5							0	37	32.5	0			
6							0	39	33.5	0			
7							0	37	32.5	0			
8							0	40.5	30	0			
9							0	36.5	34.5	0			
10							12	33	33	0			
11							15	31.5	32.5	0			
12							16	31.5	35.5	0			
13							18	29	31.5	0			
14							18	41.5	31.5	0			
15							19	48	29	0			
16							25	48	29	0			
17							33	44.5	30	0			
18							35	46	29	0			
19							34.5	43.5	28	0			
20							33.5	35	30	0			
21							33	35.5	28	0			
22							33	35.5	30	0			
23							34.5	28.5	30.5	0			
24							32	28	28	0			
25							31	30	29	0			
26							34	37.5	29.5	0			
27							35.5	40	30	0			
28							36.5	42	30.5	0			
29							37	34.5	25	0			
30							34.5	35.5	27	0			
31							0	33.5	0	0			
Sec.Ft. Days	0	0	0	0	0	0	0	1,131.5	912.0	26.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	20.0	36.5	30.4	0.9	0	0	7.3
Max. Sec.Ft.	0	0	0	0	0	0	37.0	48.0	35.5	20.0	0	0	48.0
Min. Sec.Ft.	0	0	0	0	0	0	0	28.0	25.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	0	1,190.1	2,244.5	1,808.9	52.6	0	5,295.9

TABLE NO. 27 - Continued

UPHILL DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	36.5	35	Dry	Dry	Dry	
2							0	35	35				
3							0	34	34				
4							0	32	32.5				
5							0	33.5	30				
6							0	34	32.5				
7							0	34	33.5				
8							0	36	32				
9							0	33.5	32.5				
10							0	33	30				
11							14	33.5	30				
12							32.5	35.5	27.5				
13							32.5	33.5	30				
14							33.5	32.5	30				
15							34.5	31.5	23				
16							32.5	31.5	15.5				
17							34	33.5	5				
18							33	35.5	2				
19							31.5	34	0				
20							31.5	32	0				
21							34.5	31	0				
22							38.5	31.5	0				
23							35	32.5	0				
24							27.5	31.5	0				
25							31.5	26	0				
26							32.5	29	0				
27							37	33	0				
28							35.5	33	0				
29							32.5	34	0				
30							32	35	0				
31								35	0				
Sec.Ft. Days	0	0	0	0	0	0	646.0	1,026.0	488.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	21.5	33.1	16.3	0	0	0	5.9
Max. Sec.Ft.	0	0	0	0	0	0	38.5	36.5	35.0	0	0	0	38.5
Min. Sec.Ft.	0	0	0	0	0	0	0	26.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	1,281.3	2,035.1	968.0	0	0	0	4,284.4

TABLE NO. 28

MODOC DITCH NEAR HEAD

Point of diversion - Fifteen and one-half miles below McKey Point on the south bank of St. Johns Branch in the northeast quarter of Section 20, Township 18 South, Range 25 East, M.D.B. and M.

Maximum diversion capacity - 100 second-feet.

Location of gaging station - 400 feet below head of ditch in the northeast quarter of Section 20, Township 18 South, Range 25 East, M.D.B. and M. Map designation 28.

Description of gaging station - Open channel, staff gage and water stage recorder, rated by frequent current meter measurements; replaced by Parshall Measuring Flume in 1938.

Operating agency - Modoc Ditch Company.

Gross service area - 6,700 acres.

Period of record - 1917-1949; intermittent during the year ending September 30, 1921; no record during the years ending September 30, 1919, 1922 and 1923; continuous from May 2, 1917 to September 30, 1918, October 1, 1919 to September 30, 1920 and October 1, 1923 to September 30, 1949.

Criteria governing diversions - First 67 second-feet of flow reaching the head of Modoc Ditch; at high river stages, total diversions are increased to a maximum of 80 second-feet.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	9.7	23.5	35.4	51.8	51.2	44	Dry	Dry	
2				0	12.4	21.5	32.8	55.9	52.5	36.5			
3				0	15	20.1	31.5	51.5	48.2	27.8			
4				0	25.6	24.3	33	49.1	49.4	31.7			
5				3.8	18	26.8	34.1	47	45.2	37.6			
6				0	17.2	25.3	33.8	46.7	45.7	29.3			
7				0	8.3	21	32.9	46.4	51.8	16.2			
8				0	0	22.8	30	50	53.4	3.7			
9				0	0	23.3	29.7	53.4	53.5	0			
10				0	0	22.4	33.8	55.3	46.5	0			
11				18.5	11.5	24.9	40.6	55.6	43.5	0			
12				41.8	21	29	43.8	53.7	47.4	0			
13				35.7	18.9	26.3	47	53.9	52.3	0			
14				10.7	25.8	24	50	48.2	52	0			
15				0	37.3	23	50.6	48.5	50.9	0			
16				0	20.6	21.9	47.6	49.1	47.9	0			
17				0	18.7	22.1	42.6	48.8	46.3	0			
18				0	19.3	25.1	49.3	48.2	48.2	0			
19				0	17.6	28	56.2	48.2	40.1	0			
20				0	16	32.5	55.3	49.1	32.5	0			
21				0	18	38.4	51.2	50.6	30.2	0			
22				0	19.3	41.8	47.3	51.8	36	0			
23				0	28	44.3	44.6	51.5	38.9	0			
24				0	22.4	46.7	44.6	52.5	38.7	0			
25				0	17	50.6	46.4	52.5	41	0			
26				0	32	50.4	48.2	50.9	44.6	0			
27				0	27	44	45.1	50.3	40.8	0			
28				0	24.9	37	37.3	50	39.2	0			
29				0	0	39.3	42	51.2	39.5	0			
30				6.2	0	40.6	46.4	50.6	45.4	0			
31				10.2	0	42	0	48.5	0	0			
Sec.Ft. Days	0	0	0	126.9	527.5	962.9	1,263.1	1,570.8	1,352.8	226.8	0	0	Year Period
Max. Sec.Ft.	0	0	0	4.1	18.2	31.1	42.1	50.7	45.1	7.3	0	0	16.5
Min. Sec.Ft.	0	0	0	41.8	37.3	50.6	56.2	55.9	53.5	44.0	0	0	56.2
Total Ac. Ft.	0	0	0	0	0	20.1	29.7	46.4	30.2	0	0	0	0
Ac. Ft.	0	0	0	251.7	1,046.3	1,909.9	2,505.4	3,115.7	2,683.3	449.8	0	0	11,962.1

TABLE NO. 28 - Continued

MODOC DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	16.2	10.7	14.8	27.7	35.1	54	52.2	Dry	Dry	
2			0	13.7	9.7	16.4	30.2	35.1	55.5	50.6			
3			0	10.3	8.9	16.8	29.7	40.6	53.7	48.3			
4			0	5.3	8.2	16	26.5	41.8	52.8	47.4			
5			0	4.0	7.9	15.4	26.5	40.1	52.8	49.8			
6			0	4.4	8.9	14.3	29.2	38.4	50.6	55.3			
7			0	7.4	16	13.1	27.5	36.8	47.9	53.1			
8			0	14.6	13.1	12.2	26.8	33.6	47	53.1			
9			0	12.4	20.8	12.2	26.1	32.8	48.2	51.8			
10			0	9.5	15.6	11.9	28	36.5	50.3	52.5			
11			0	8.2	10.5	15.7	22.7	34.6	51.8	51.2			
12			0	7.5	6.2	17.6	17.6	32	52.5	49.1			
13			0	5.8	4.1	17.6	21.9	33.8	53.4	47			
14			0	8.2	7.9	20.3	23.3	36.9	51.8	41.1			
15			0	14.3	9.7	19.1	23.3	38.1	50.9	33.8			
16			0	10.7	8.9	17.4	23	44.3	52.2	37.6			
17			0	8.7	10.6	19.1	22.4	48.8	53.1	45.2			
18			0	7.3	10.5	20.4	22.2	48.8	50.3	41.2			
19			0	7.3	13.2	21.5	24.2	47.3	51.2	42.6			
20			0	7.3	14.1	22.8	27.5	48.8	52.5	39.5			
21			0	7.2	17	21	27.7	51.8	51.8	34.8			
22			0	9.3	14.9	20.4	28	52.3	51.8	34.1			
23			0	8.9	10.4	20.4	26.7	47.3	52.8	37.7			
24			0	13.9	8.1	19.9	36.2	46.4	53.1	40.6			
25			0	9.7	11.9	19.7	33.8	52.5	48.5	36.6			
26			0	9.3	14.4	21	39.8	41.8	45.2	30.4			
27			0	11.5	11.9	32.6	41.8	52.2	40.6	24.7			
28			0	11.5	10.3	35.1	40.9	52.2	37.4	9.7			
29			0	12.9	35.7	35.7	46.3	53.7	38.9	7.4			
30			0	13	28	37.3	37.3	54.3	47.8	4.5			
31			0	19.7	10.9	24.9		55.6		0			
Sec.Ft. Days	0	0	30.5	301.9	315.4	613.1	862.2	1,342.3	1,500.4	1,200.9	0	0	Year Period
Mean Sec.Ft.	0	0	1.0	9.7	11.3	19.8	28.7	43.3	50.0	38.7	0	0	16.9
Max. Sec.Ft.	0	0	19.7	16.2	20.8	35.7	41.8	55.6	55.5	55.3	0	0	55.6
Min. Sec.Ft.	0	0	0	4.4	4.1	11.9	17.6	32.0	37.4	0	0	0	0
Total Ac. Ft.	0	0	60.5	598.8	625.6	1,216.1	1,710.2	2,662.4	2,976.0	2,382.0	0	0	12,231.6

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	15	0	3.3	58	36.8	45.5	45.2	Dry	Dry	
2			0	12	0	3.7	59	40.9	43.5	43.5			
3			0	7	0	5.1	60.7	38.7	41.8	43.2			
4			0	4.6	0	11.2	58.8	39.5	42	40			
5			0	3	0	24.6	41.5	40	44	39.5			
6			0	1	0	32	39	41.2	45.5	39.1			
7			0	0	0	36.2	51.2	42.3	45.8	36			
8			0	0	0	41.8	49.7	47.6	41.9	42.2			
9			0	2	0	45.8	48.8	50	45.2	43.5			
10			0	1.5	0	39	48.8	47.3	47.6	40			
11			0	2	0	41.5	48	41.2	45.8	42.4			
12			0	9.5	0	45.2	46.7	40.6	45.5	47.6			
13			0	11.2	0	37.6	46.7	39.8	46.1	40.7			
14			0	10.5	0	42.9	42.5	37	45.5	37.8			
15			0	9.8	2	44.6	43.8	35.7	46.3	39.3			
16			0	9.2	2	40	44.1	35.7	44.9	37.8			
17			0	8.6	2.8	36.2	44.9	34.3	43.2	29.9			
18			0	7.9	2.9	36.5	44.6	40.8	42.6	24.4			
19			0	7.3	0	35.4	46.4	49.9	45.2	15.7			
20			0	6.9	2.7	32	43.5	51.2	47.3	7.4			
21			0	4.6	3.4	29	36.8	47	48.2	3.6			
22			0	5	4.9	30	35.4	46.7	48.2	2.9			
23			0	10	7.8	31.5	34.6	44	47.3	2			
24			0	9	6.6	37.8	29.7	42.6	43.2	0			
25			0	15	6.3	40.5	28.2	40	42.5	0			
26			0	17.8	5.1	48.5	29	38.1	43.2	0			
27			0	11.7	4.5	47.9	35.7	38.4	41.8	0			
28			0	20	3.9	48.2	37.3	43.8	42.9	0			
29			0	10.4	6.3	50	38.1	41.5	45.7	0			
30			0	21.0	0	53.7	36.2	40.3	46.4	0			
31			0	14.8	0	56.9		44.6		0			
Sec.Ft. Days	0	0	46.2	228.4	54.9	1,108.6	1,307.7	1,297.5	1,344.6	743.7	0	0	Year Period
Mean Sec.Ft.	0	0	1.5	7.4	2.0	35.8	43.6	41.9	44.8	24.0	0	0	16.8
Max. Sec.Ft.	0	0	21.0	20.0	7.8	56.9	60.7	51.2	48.2	47.6	0	0	60.7
Min. Sec.Ft.	0	0	0	0	0	3.3	28.2	34.3	41.8	0	0	0	0
Total Ac. Ft.	0	0	91.7	453.0	108.9	2,198.9	2,593.8	2,573.6	2,667.0	1,475.1	0	0	12,162.0

TABLE NO. 28 - Continued

MODOC DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	4	20.1	31.2	44.3	44.9	38.8	Dry	Dry	
2				0	9.2	18.9	31.5	44.6	43.2	37.7			
3				0	11.5	18.5	31.7	44.8	41.2	37.6			
4				0	11	18	31.5	43.9	38.9	40.1			
5				0	9.8	20.4	31.5	40.3	35.1	40.1			
6				0	9.2	12.6	32	43.1	32.3	39.2			
7				0	8.9	8	30.5	46.8	38.8	37.6			
8				0	8.7	9	29.7	50.3	45.5	28.5			
9				0	9.8	15.5	31	49.7	44.9	30.2			
10				0	11.4	15.5	28.1	46.8	38.1	31.8			
11				0	11	8.6	26.3	49.2	39.3	30.1			
12				0	11.1	16.6	28.7	48.4	41.2	28.5			
13				0	12.2	17.7	28.4	47.6	35.7	25.3			
14				0	12.8	11.2	34.6	47	36	23.7			
15				0	12.8	11.2	37.3	45.8	37.8	21.5			
16				0	13.3	12.2	37.5	42.3	36.5	18.7			
17				0	15.1	12.2	38.1	38	36.5	15.6			
18				0	12.6	20.8	39.5	34.1	43.5	12.2			
19				0	11.9	8.6	40.9	31.2	47.9	17.9			
20				0	1.8	10.7	40.6	32.2	40.9	26.7			
21				0	15.6	11.9	40.2	38.5	38.1	18.1			
22				8.2	13	12.1	42.9	43.3	39.5	10.7			
23				14.4	14.6	12.1	44.2	43.2	29.8	0			
24				8.4	20.2	11.9	3.8	3.2	37.1	0			
25				12	21.5	11.9	44.3	4.6	40.6	0			
26				15.4	16.7	13.2	44.6	45.3	45.8	0			
27				14.8	19.7	14.5	47.2	42.6	45.8	0			
28				23.7	21.5	14.7	50.6	46.4	46.8	0			
29				14.3	20.7	20.7	47.6	45.5	45.8	0			
30				0	27	27	44.2	43.5	42.5	0			
31				0	29.5	29.5	41.5	41.5	41.5	0			
Sec.Ft. Days	0	0	0	129.3	363.9	465.8	1,108.0	1,353.2	1,210.2	610.6	0	0	Year Period
Mean Sec.Ft.	0	0	0	4.2	13.0	15.0	36.9	43.7	40.3	19.7	0	0	14.4
Max. Sec.Ft.	0	0	0	23.7	21.5	29.5	50.6	50.3	47.9	40.1	0	0	50.6
Min. Sec.Ft.	0	0	0	0	4.0	8.0	25.7	31.2	29.8	0	0	0	0
Total Ac. Ft.	0	0	0	256.4	721.8	923.9	2,197.7	2,684.1	2,400.4	1,211.2	0	0	10,395.5

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	7.6	35.1	38.8	36.8	38.9	Dry	Dry	
2					0	7.5	40.6	45.8	40.9	32.3			
3					0	6.6	45.8	44.9	41.8	27.7			
4					0	5.9	42.8	42.9	35.4	24.4			
5					0	10.6	33.6	39.2	35.7	40.9			
6					0	13.9	29.2	38.9	30.7	47.5			
7					0	10.8	32	36.5	30.5	34.1			
8					0	16.5	35.7	36.8	34.9	34.6			
9					0	19.7	36.2	41.6	35.1	30.7			
10					0	21.5	26.1	44.3	37.8	22.4			
11					0	23.3	24.6	44.9	43.2	21			
12					0	25.3	30.3	42.3	43.2	27			
13					0	27.3	23.7	40.1	43.2	16.1			
14					0	26.5	19.9	41.5	41.2	8.6			
15					0	21.2	19.3	41.8	37.8	0			
16					0	19.7	19.7	40.9	34.9	0			
17					0	22.4	20.3	38.9	29.5	0			
18					0	24.2	16.8	35.1	27.3	0			
19					0	28	16.5	32	29.2	0			
20					0	30.5	24.3	33.6	28.5	0			
21					0	27	22.8	34.1	37.8	0			
22					0	23.7	16.9	34.9	36.8	0			
23					9.7	23.7	20.5	34.6	31.5	0			
24					12.2	27.5	25.3	33.8	32.5	0			
25					9.8	30.5	25.6	34.6	31.5	0			
26					9.2	32	21.2	33.6	30	0			
27					10.2	30	25.1	33.8	29.2	0			
28					8.1	28	34.3	36.5	36.6	0			
29					6.8	26.5	26.3	38.1	40.8	0			
30					0	28	30.5	36.8	40.6	0			
31					0	31	31	37	37	0			
Sec.Ft. Days	0	0	0	0	66.0	676.9	821.0	1,188.6	1,064.9	406.2	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	2.3	21.8	27.4	38.3	35.5	13.1	0	0	11.5
Max. Sec.Ft.	0	0	0	0	12.2	32.0	45.8	45.8	43.2	47.5	0	0	47.5
Min. Sec.Ft.	0	0	0	0	0	5.9	16.9	32.0	27.3	0	0	0	0
Total Ac. Ft.	0	0	0	0	130.9	1,342.6	1,628.5	2,357.6	2,112.2	805.7	0	0	8,377.5

TABLE NO. 28 - Continued

MODOC DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	22.6	55.1	41.8	40.1	Dry	Dry	
2						0	28.1	52.2	47.9	37			
3						0	33.8	51.5	51.8	35.9			
4						0	33.8	51.8	50	31.3			
5						0	35.6	49.1	48.8	31			
6						0	31.7	49.4	36.2	34.7			
7						0	33.6	50	30.2	40.1			
8						0	35.7	50	30	31.2			
9						0	40.1	50.6	33.3	28			
10						0	35.1	51.8	49	24			
11						0	30.5	50.9	51.8	31.1			
12						0	27.7	51.2	50.3	43.2			
13						0	25.1	50.6	49.7	44.5			
14						0	22.8	48.8	48.8	45.2			
15						0	21.5	45.5	46.7	44			
16						0	24.4	53.4	46.1	40.3			
17						5.7	36.3	50.6	46.7	39.2			
18						10.9	48.8	49.1	46.7	30			
19						12.4	49.4	45.2	46.4	18.7			
20						17.4	46.4	41.2	45.8	7.7			
21						23.1	46.1	30.6	46.1	5.4			
22						23	48.2	41.8	42	5.6			
23						13.5	47.6	47.6	28.9	4.6			
24						18.5	49.7	50.6	25.9	2.7			
25						20.1	51.8	49.7	43.5	2			
26						22.3	51.2	49.7	46.4	1.5			
27						21.9	51.2	48.2	43.5	0			
28						18.9	55.9	47.6	41.8	0			
29						11.1	53.7	47.6	41.5	0			
30						8.2	52.8	49.4	40.6	0			
31						10.4		45.3		0			
Sec.Ft. Days	0	0	0	0	0	237.4	1,171.2	1,504.1	1,298.2	699.1	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	7.7	39.0	48.5	43.3	22.6	0	0	13.5
Max. Sec.Ft.	0	0	0	0	0	23.1	55.9	53.4	51.8	45.2	0	0	55.9
Min. Sec.Ft.	0	0	0	0	0	0	21.5	30.6	25.9	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	470.9	2,323.1	2,983.4	2,575.0	1,386.6	0	0	9,739.0

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	31.7	44.6	44.9	3.4	Dry	Dry	
2						0	30.3	44.9	45.8	2			
3						4.6	40.1	44.1	47.6	0			
4						14.1	40.3	45.5	45.2	0			
5						19.4	40.9	45.8	44.3	0			
6						7.8	41.5	45.5	41.8	0			
7						7.6	41.8	44.3	40.6	0			
8						14.9	40.6	42.6	41.2	0			
9						30.4	39.2	43.5	42.9	0			
10						32.5	38.7	41.8	40.6	0			
11						36.2	38.9	45.8	35.7	0			
12						31	41.5	45.8	35.1	0			
13						37.3	39.8	45.2	36	0			
14						36.5	36.8	45.5	36	0			
15						35.7	38.4	46.1	34.1	0			
16						36.2	40.6	44.1	31	0			
17						38.1	41.8	42.3	27.5	0			
18						39.8	40.1	41.5	27	0			
19						39.5	38.9	43.8	26.1	0			
20						41.2	40.1	46.7	25.6	0			
21						41.8	40.6	41.3	25.6	0			
22						42.9	41.2	34.6	23.3	0			
23						42.9	41.8	39.8	21.5	0			
24						42.9	41.8	42.3	11.6	0			
25						42.3	42.3	44.6	20.1	0			
26						42.9	42.9	42.6	13.1	0			
27						45.2	42	46.4	11.5	0			
28						46.4	42.3	44.6	14.4	0			
29						42	42.9	42	10.8	0			
30						33.3	42.9	42	7.6	0			
31						29.7		43.5		0			
Sec.Ft. Days	0	0	0	0	0	955.1	1,202.7	1,353.1	908.5	5.4	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	30.8	40.1	43.6	30.3	0.2	0	0	12.1
Max. Sec.Ft.	0	0	0	0	0	46.4	42.9	46.7	47.6	3.4	0	0	47.6
Min. Sec.Ft.	0	0	0	0	0	0	30.3	34.6	7.6	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	1,894.4	2,385.6	2,683.9	1,802.0	10.7	0	0	8,776.6

TABLE NO. 28 - Continued

MODOC DITCH NEAR HEAD

Diverslon in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	27.8	37	55.6	42.6	Dry	Dry	Dry	
2					0	32.4	37.3	65.4	47.6				
3					0	45.5	36.5	51.7	47.6				
4					0	42.6	39.2	45.8	45.8				
5					0	39.8	34.6	47.6	44.1				
6					0	38.1	32	45.8	43.2				
7					0	36.5	29	44.6	44.1				
8					0	34.9	25.1	45.2	43.8				
9					0	35.4	23.5	45.8	43.4				
10					0	32	24.2	44.9	44.1				
11					0	34.3	24.7	43.2	43.8				
12					0	31.7	33	44.1	41.2				
13					0	31.7	40.6	49.4	33.3				
14					1.3	32.8	47	52.5	31.7				
15					7.1	34.3	51.2	50.6	36.8				
16					11.9	34.6	53.7	52.2	34.7				
17					30	30.3	52.5	52.5	25.7				
18					37.8	30	49.1	51.5	20.2				
19					37	38.1	46.7	51.5	19.2				
20					35.4	38.4	47	50	19.8				
21					35.1	38.1	44.3	50	16.9				
22					32.3	37.8	44.9	52.5	0				
23					29.5	39.5	47.3	50.9	0				
24					29.5	43.5	46.1	47.6	0				
25					32	39.8	47.6	46.7	0				
26					33.8	37.8	47	45.8	0				
27					33	37.8	46.1	43.2	0				
28					33	38.4	47.6	43.8	0				
29						40.6	45.8	42	0				
30						38.9	47.3	41.2	0				
31						37.8		40.6	0				
Sec.Ft. Days	0	0	0	0	418.7	1,131.2	1,227.9	1,492.2	769.6	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	15.0	36.5	40.9	48.1	25.7	0	0	0	13.8
Max. Sec.Ft.	0	0	0	0	37.8	45.5	53.7	63.4	47.6	0	0	0	63.4
Min. Sec.Ft.	0	0	0	0	0	27.8	23.5	40.6	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	830.5	2,243.7	2,435.5	2,959.8	1,526.5	0	0	0	9,996.0

Diverslon in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	33	46	14	Dry	Dry	
2							0	26	58	4			
3							0	20	52	0			
4							0	34	52	0			
5							0	51	45	0			
6							0	53	46	0			
7							0	51	49	0			
8							0	47	51	0			
9							0	43	48	0			
10							16	41	37	0			
11							7	44	44	0			
12							0	48	45	0			
13							19	52	50	0			
14							36	53	49	0			
15							33	56	48	0			
16							33	56	46	0			
17							37	55	42	0			
18							45	56	37	0			
19							46	56	33	0			
20							47	58	26	0			
21							45	58	33	0			
22							43	58	46	0			
23							41	61	51	0			
24							34	57	54	0			
25							26	54	56	0			
26							33	54	56	0			
27							43	54	51	0			
28							45	52	41	0			
29							46	45	28	0			
30							40	45	24	0			
31								48	0	0			
Sec.Ft. Days	0	0	0	0	0	0	715.0	1,519.0	1,344.0	18.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	23.8	49.0	44.8	0.6	0	0	9.8
Max. Sec.Ft.	0	0	0	0	0	0	47.0	61.0	58.0	14.0	0	0	61.0
Min. Sec.Ft.	0	0	0	0	0	0	0	20.0	24.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	1,418.2	3,013.0	2,665.8	35.7	0	0	7,132.7

TABLE NO. 28 - Continued

MODOC DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	35	30.5	Dry	Dry	Dry	
2							0	41	40.5				
3							0	40	46				
4							0	31.5	43.5				
5							0	31	40.5				
6							0	37	40.5				
7							0	38.5	43				
8							0	38.5	46.5				
9							0	35.5	45				
10							0	32	43				
11							4	28.5	39.5				
12							8.5	33	39				
13							11	38	37.5				
14							15.5	41	36				
15							19	35	19				
16							15.5	30	5.5				
17							18.5	34	2				
18							17.5	37.5	0				
19							14.5	35.5	0				
20							11	34	0				
21							21.5	32	0				
22							35	33	0				
23							38.5	39	0				
24							39	40.5	0				
25							40.5	42	0				
26							38	46	0				
27							35	44.5	0				
28							40	38	0				
29							43	31.5	0				
30							38	31	0				
31								26.5					
Sec.Ft. Days	0	0	0	0	0	0	503.5	1,110.5	597.5	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	16.8	35.8	19.9	0	0	0	6.1
Max. Sec.Ft.	0	0	0	0	0	0	40.5	46.0	46.5	0	0	0	46.5
Min. Sec.Ft.	0	0	0	0	0	0	0	26.5	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	998.7	2,202.7	1,185.1	0	0	0	4,386.5

TABLE NO. 29

LAKESIDE DITCH NEAR HEAD

Point of diversion - Thirty-three miles below McKay Point on the north branch of Cross Creek (a continuation of St. Johns Branch of Kaweah River), in the northwest quarter of Section 19, Township 18 South, Range 23 East, M.D.B. and M.

Maximum diversion capacity - 475 second-feet.

Location of gaging station - One-half mile below head of ditch in the northeast quarter of Section 24, Township 18 South, Range 22 East, M.D.B. and M. Map designation 29.

Description of gaging station - Open channel, staff gage and water stage recorder, read by frequent current meter measurements.

Operating agency - Lakeside Ditch Company.

Gross service area - 26,300 acres.

Period of record - 1917-1949; no record during the year ending September 30, 1919; continuous from April 10, 1917 to September 30, 1918 and from October 1, 1919 to September 30, 1949.

Criteria governing diversions - All Kaweah River water reaching the head of Lakeside Ditch through St. Johns Branch and Cross Creek; maximum diversions amount to 446 second-feet.

Remarks - Quantities in this table also include Cottonwood Creek water discharged into Cross Creek during flood periods and return flow contributions from Alta Irrigation District.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	114	150	334	285	235	10	Dry	Dry	
2				0	115	155	310	277	237	0			
3				0	150	166	315	280	236	0			
4				0	154	179	319	277	243	0			
5				3	185	183	321	278	250	0			
6				20	212	192	328	289	242	0			
7				0	219	183	325	295	245	0			
8				0	211	184	325	298	248	0			
9				7	193	183	323	285	264	0			
10				17	176	191	322	240	277	0			
11				122	156	183	322	237	274	0			
12				225	127	192	327	234	267	0			
13				265	98	206	327	229	264	0			
14				212	110	200	327	227	261	0			
15				141	148	184	318	225	259	0			
16				56	227	177	302	228	263	0			
17				32	224	163	294	230	249	0			
18				15	173	150	298	229	238	0			
19				0	156	145	304	223	206	0			
20				0	142	138	306	221	178	0			
21				0	129	132	301	215	147	0			
22				0	126	141	301	223	113	0			
23				0	128	159	298	231	103	0			
24				0	230	178	295	238	70	0			
25				0	283	202	293	245	56	0			
26				9	289	257	295	244	43	0			
27				204	173	293	291	241	27	0			
28				224	149	340	276	242	25	0			
29				222	148	346	281	232	24	0			
30				214		345	282	228	19	0			
31				182		347	282	232	0	0			
Sec.Ft. Days	0	0	0	2,170.0	4,945.0	6,244.0	9,260.0	7,658.0	5,563.0	10.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	70.0	170.5	201.4	308.7	247.0	185.4	0.5	0	0	98.0
Max. Sec.Ft.	0	0	0	265.0	289.0	347.0	334.0	298.0	277.0	10.0	0	0	147.0
Min. Sec.Ft.	0	0	0	0	98.0	132.0	276.0	215.0	19.0	0	0	0	0
Total Ac. Ft.	0	0	0	4,304.2	9,808.4	12,385.0	18,367.2	15,189.7	11,034.2	19.8	0	0	71,108.5

TABLE NO. 29 - Continued

LAKESIDE DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks	
1	Dry	Dry	0	109	37	114	134	197	220	254	Dry	Dry		
2			0	79	32	106	135	194	222	253				
3			0	74	29	110	142	204	222	250				
4			0	28	24	102	134	215	222	251				
5			0	0	19	103	132	217	223	245				
6			0	0	19	97	121	215	226	245				
7			0	0	19	94	124	218	229	237				
8			0	26	88	96	106	208	227	233				
9			0	63	118	94	107	206	221	232				
10			0	34	165	97	102	231	226	231				
11			0	0	178	96	85	250	245	233				
12			0	0	172	101	95	256	250	213				
13			0	0	188	94	109	264	253	192				
14			0	0	180	97	109	270	256	173				
15			0	14	163	96	111	285	261	169				
16			0	31	134	93	111	299	263	134				
17			0	10	127	92	120	299	254	92				
18			0	3	129	90	129	299	250	58				
19			0	0	132	92	132	304	257	39				
20			0	0	139	90	136	277	260	31				
21			0	0	138	87	146	225	262	24				
22			0	0	137	94	154	220	263	16				
23			0	0	129	100	168	244	265	8				
24			88	9	122	97	183	236	269	0				
25			154	169	106	106	182	232	272	0				
26			144	136	113	127	194	227	269	0				
27			88	126	114	146	197	230	267	0				
28			158	104	111	167	187	231	250	0				
29			166	96		181	182	220	223	0				
30			139	75		158	184	215	230	0				
31			118	60		146		215		0				
Sec.Ft.			0	1,055.0	1,226.0	3,082.0	3,359.0	4,157.0	7,403.0	7,357.0	3,813.0	0	0	Year Period
Mean														
Sec.Ft.	0	0	34.0	39.5	110.1	108.4	138.6	238.8	245.2	123.0	0	0	85.2	
Max.														
Sec.Ft.	0	0	166.0	169.0	188.0	183.0	197.0	304.0	272.0	254.0	0	0	304.0	
Min.														
Sec.Ft.	0	0	0	0	19.0	87.0	85.0	194.0	220.0	0	0	0	0	
Total														
Ac. Ft.	0	0	2,092.6	2,431.8	6,113.1	6,662.6	8,245.4	14,683.8	14,592.6	7,563.1	0	0	62,385.0	

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks	
1	Dry	Dry	0	41	36	18	81	225	222	239	Dry	Dry		
2			0	41	34	15	89	227	235	227				
3			0	31	21	16	101	218	227	217				
4			0	14	29	18	134	205	220	213				
5			10	7	38	15	237	206	221	204				
6			4	4	36	14	196	205	215	203				
7			0	2	39	19	209	208	217	173				
8			0	0	39	25	200	210	218	145				
9			0	0	39	39	183	215	211	112				
10			0	0	38	53	184	216	216	91				
11			0	0	33	66	196	213	222	76				
12			0	0	26	147	232	210	220	59				
13			0	6	27	191	229	207	217	38				
14			0	15	7	193	257	211	209	25				
15			0	17	7	218	275	217	210	17				
16			0	19	10	219	277	223	209	9				
17			25	15	9	206	275	225	209	4				
18			56	12	9	181	278	223	220	3				
19			79	7	9	177	268	226	228	3				
20			34	5	7	161	261	213	239	2				
21			28	5	11	142	244	219	252	0				
22			34	3	16	129	239	237	261	0				
23			31	20	2	129	240	243	259	0				
24			27	20	28	126	243	233	274	0				
25			30	17	28	117	202	234	275	0				
26			30	30	27	88	173	227	271	0				
27			34	37	24	68	185	219	232	0				
28			48	38	22	55	228	216	216	0				
29			44	43	9	90	239	219	235	0				
30			42	37		54	233	217	242	0				
31			41	35		70		216		0				
Sec.Ft.			0	579.0	509.0	669.0	3,019.0	6,388.0	6,784.0	6,912.0	2,060.0	0	0	Year Period
Mean														
Sec.Ft.	0	0	18.7	16.4	23.9	97.4	212.9	218.8	230.4	66.5	0	0	73.8	
Max.														
Sec.Ft.	0	0	56.0	43.0	39.0	219.0	278.0	243.0	275.0	239.0	0	0	278.0	
Min.														
Sec.Ft.	0	0	0	0	7.0	14.0	81.0	205.0	209.0	0	0	0	0	
Total														
Ac. Ft.	0	0	1,148.4	1,009.6	1,327.0	5,988.2	12,670.0	13,456.1	13,709.9	4,086.0	0	0	53,395.8	

TABLE NO. 29 - Continued

LAKESIDE DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	121	111	107	221	164	119	Dry	Dry	
2			0	0	118	114	115	230	158	95			
3			0	0	122	112	138	243	152	84			
4			0	0	122	107	154	247	151	82			
5			0	0	122	95	148	248	147	91			
6			0	0	121	94	121	258	158	90			
7			0	0	115	90	115	249	175	85			
8			0	0	110	85	116	227	176	65			
9			0	0	111	78	103	221	174	52			
10			0	0	123	75	100	220	186	53			
11			0	0	123	86	107	217	181	54			
12			0	0	122	91	122	219	193	49			
13			0	0	120	75	139	221	203	42			
14			0	0	122	56	137	221	193	33			
15			0	0	119	50	135	225	183	27			
16			0	0	124	64	140	236	182	24			
17			0	0	129	62	161	232	177	16			
18			0	0	129	60	165	224	195	11			
19			0	0	125	58	165	195	198	6			
20			0	0	123	61	174	178	202	0			
21			0	0	123	62	192	174	210	0			
22			0	30	129	61	199	180	198	0			
23			0	102	127	67	214	176	170	0			
24			0	105	111	77	215	180	145	0			
25			0	113	115	87	210	176	132	0			
26			60	104	113	87	215	167	128	0			
27			55	106	106	95	218	164	129	0			
28			19	117	105	100	234	176	128	0			
29			0	122	98	98	239	174	134	0			
30			0	111	96	96	227	173	129	0			
31			0	104	99	99	171	171	129	0			
Sec.Ft. Days	0	0	134.0	1,014.0	3,350.0	2,553.0	4,825.0	6,443.0	5,049.0	1,078.0	0	0	Year Period
Mean													
Sec.Ft.	0	0	4.3	32.7	119.6	82.4	160.8	207.8	168.3	34.8	0	0	67.0
Max.	0	0	60.0	122.0	129.0	114.0	239.0	258.0	210.0	119.0	0	0	258.0
Min.	0	0	0	0	105.0	50.0	100.0	164.0	128.0	0	0	0	0
Sec.Ft.	0	0	0	0	105.0	50.0	100.0	164.0	128.0	0	0	0	0
Total													
Ac. Ft.	0	0	265.8	2,011.2	6,644.7	5,063.9	9,570.4	12,779.7	10,014.7	2,138.2	0	0	48,488.6

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	0	35	79	225	71	Dry	Dry	
2					0	4	46	104	188	56			
3					0	16	63	86	223	44			
4					0	6	68	145	248	42			
5					0	5	65	176	266	36			
6					0	72	55	184	266	9			
7					0	89	46	199	250	0			
8					0	88	42	169	219	0			
9					0	61	46	163	227	0			
10					0	41	49	196	194	0			
11					0	45	51	218	190	0			
12					0	56	48	205	214	0			
13					0	76	50	210	229	0			
14					0	107	37	231	237	0			
15					0	111	29	250	223	0			
16					0	99	28	236	200	0			
17					0	68	35	244	150	0			
18					0	37	51	243	111	0			
19					0	34	21	240	89	0			
20					0	42	25	222	92	0			
21					0	50	47	219	82	0			
22					0	37	44	234	82	0			
23					5	30	27	241	74	0			
24					69	31	33	235	60	0			
25					30	36	36	249	58	0			
26					5	43	47	253	55	0			
27					0	47	42	249	48	0			
28					0	40	59	244	44	0			
29					0	38	81	246	59	0			
30					0	38	71	255	72	0			
31					0	40	40	242	40	0			
Sec.Ft. Days	0	0	0	0	109.0	1,487.0	1,361.0	6,467.0	4,675.0	258.0	0	0	Year Period
Mean													
Sec.Ft.	0	0	0	0	3.8	48.0	45.4	208.6	155.8	8.3	0	0	39.2
Max.	0	0	0	0	69.0	111.0	81.0	255.0	266.0	71.0	0	0	266.0
Min.	0	0	0	0	0	0	21.0	79.0	44.0	0	0	0	0
Sec.Ft.	0	0	0	0	0	0	0	79.0	44.0	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	216.2	2,949.5	2,699.5	12,827.3	9,272.9	511.7	0	0	28,477.1

TABLE NO. 29 - Continued

LAKESIDE DITCH NEAR HEAD

Diverslon in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	0	140	242	205	226	Dry	Dry	
2					0	0	170	228	205	224			
3					0	0	178	227	201	222			
4					0	0	187	232	196	220			
5					54	0	203	249	195	214			
6					54	0	203	249	195	216			
7					54	0	202	252	188	200			
8					65	0	203	258	188	188			
9					84	0	201	258	194	152			
10					97	0	213	253	192	123			
11					95	0	215	250	190	96			
12					83	0	206	250	196	64			
13					61	0	211	244	199	53			
14					50	0	195	243	199	52			
15					44	0	177	238	199	47			
16					9	51	167	237	198	28			
17					0	77	182	236	197	18			
18					0	78	183	236	219	17			
19					0	113	201	215	245	9			
20					0	113	229	207	247	0			
21					0	94	265	204	247	0			
22					0	97	261	180	233	0			
23					0	133	282	191	220	0			
24					0	141	286	200	182	0			
25					0	151	280	201	176	0			
26					0	153	272	201	197	0			
27					0	152	255	203	210	0			
28					0	156	247	204	218	0			
29						160	255	210	232	0			
30						164	254	210	230	0			
31						160	209	209	0	0			
Sec.Ft. Days	0	0	0	0	750.0	1,993.0	6,547.0	7,017.0	6,191.0	2,375.0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	26.8	64.3	218.2	226.4	206.4	76.6	0	0	68.1
Max. Sec.Ft.	0	0	0	0	97.0	164.0	286.0	258.0	247.0	226.0	0	0	286.0
Min. Sec.Ft.	0	0	0	0	0	0	140.0	180.0	176.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	1,487.6	3,953.1	12,986.0	13,918.2	12,279.9	4,710.8	0	0	49,355.6

Diverslon in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	0	Dry	0	100	250	193	Dry	Dry	Dry	
2			0	28	0	0	95	264	194				
3			0	36	0	0	36	269	199				
4			0	36	0	0	77	266	203				
5			0	41	0	0	120	261	194				
6			0	49	0	0	138	252	178				
7			0	38	0	0	146	254	165				
8			0	24	0	0	136	248	159				
9			0	23	0	0	106	246	157				
10			0	27	0	0	56	244	156				
11			0	29	0	0	45	240	144				
12			0	28	0	0	60	239	110				
13			0	26	0	0	79	246	85				
14			0	22	0	0	104	245	71				
15			0	20	0	0	120	244	58				
16			0	19	0	0	124	244	48				
17			0	15	0	0	148	237	52				
18			0	0	0	0	163	232	42				
19			0	0	0	0	185	231	20				
20			0	0	0	0	203	224	10				
21			0	0	0	0	206	229	5				
22			0	0	0	0	207	224	2				
23			0	0	0	0	215	211	0				
24			0	0	0	0	210	196	0				
25			0	0	0	0	208	184	0				
26			17	0	0	0	213	192	0				
27			23	0	0	0	221	209	0				
28			18	0	0	0	207	216	0				
29			24	0	0	0	204	209	0				
30			15	0	0	3	224	201	0				
31			2	0	0	52	195	195	0				
Sec.Ft. Days	0	0	99.0	461.0	0	55.0	4,356.0	7,202.0	2,445.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	3.2	14.9	0	1.8	145.2	232.3	81.5	0	0	0	40.0
Max. Sec.Ft.	0	0	24.0	49.0	0	52.0	224.0	269.0	203.0	0	0	0	269.0
Min. Sec.Ft.	0	0	0	0	0	0	36.0	18.0	0	0	0	0	0
Total Ac. Ft.	0	0	196.4	914.4	0	109.1	8,640.1	14,285.2	4,849.6	0	0	0	28,994.8

TABLE NO. 29 - Continued

LAKESIDE DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks	
1	Dry	Dry	Dry	Dry	Dry	Dry	0	0	80	Dry	Dry	Dry		
2							0	26	52					
3							0	135	53					
4							0	196	32					
5							0	206	20					
6							0	228	13					
7							0	237	10					
8							0	235	12					
9							0	226	12					
10							0	172	5					
11							0	142	5					
12							0	60	12					
13							0	35	5					
14							0	79	0					
15							0	98	0					
16							4	76	0					
17							38	106	0					
18							78	154	0					
19							112	170	0					
20							137	170	0					
21							170	151	0					
22							156	148	0					
23							114	174	0					
24							57	204	0					
25							35	203	0					
26							28	193	0					
27							16	171	0					
28							16	141	0					
29							21	146	0					
30							15	117	0					
31								95	0					
Sec.Ft. Days	0	0	0	0	0	0	0	997.0	4,494.0	311.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	0	33.2	145.0	10.4	0	0	0	15.9
Max. Sec.Ft.	0	0	0	0	0	0	0	170.0	237.0	80.0	0	0	0	237.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	0	1,977.6	8,913.8	616.9	0	0	0	11,508.3

Note: Water reached this ditch between March 4th and 5th but the quantity was too small to be measurable.

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks	
1	Dry	Dry	Dry	Dry	Dry	Dry	0	36	192					
2							0	19	188	Dry	Dry	Dry		
3							0	16	221					
4							0	15	181					
5							0	18	230					
6							0	94	162					
7							0	193	152					
8							0	226	174					
9							0	229	232					
10							0	144	230					
11							147	100	135					
12							134	118	148					
13							32	144	178					
14							10	176	228					
15							0	237	212					
16							0	265	178					
17							0	284	165					
18							12	284	157					
19							33	285	114					
20							32	254	92					
21							34	188	76					
22							44	134	60					
23							47	124	44					
24							37	196	39					
25							20	247	23					
26							16	253	15					
27							0	268	0					
28							24	272	0					
29							49	260	0					
30							53	193	0					
31								156	0					
Sec.Ft. Days	0	0	0	0	0	0	0	724.0	5,428.0	3,806.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	0	24.1	175.1	126.9	0	0	0	27.2
Max. Sec.Ft.	0	0	0	0	0	0	0	147.0	285.0	232.0	0	0	0	285.0
Min. Sec.Ft.	0	0	0	0	0	0	0	15.0	0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	0	1,436.1	10,760.4	7,549.2	0	0	0	19,751.7

TABLE NO. 29 - Continued

LAKESIDE DITCH NEAR HEAD

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1							0	195	56				
2	Dry	Dry	Dry	Dry	Dry	Dry	0	181	33	Dry	Dry	Dry	
3							0	225	28				
4							0	229	34				
5							0	141	23				
6							0	115	15				
7							0	161	13				
8							0	179	16				
9							0	178	25				
10							0	149	25				
11							0	96	15				
12							0	78	0				
13							0	117	0				
14							5	164	0				
15							53	213	0				
16							90	201	0				
17							78	136	0				
18							91	147	0				
19							67	181	0				
20							52	181	0				
21							39	147	0				
22							70	124	0				
23							143	144	0				
24							166	185	0				
25							184	238	0				
26							210	268	0				
27							208	286	0				
28							171	276	0				
29							213	220	0				
30							233	138	0				
31								90	0				
Sec.Yt. Days	0	0	0	0	0	0	2,073.0	5,383.0	284.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	69.1	173.6	9.5	0	0	0	21.2
Max. Sec.Ft.	0	0	0	0	0	0	233.0	286.0	56.0	0	0	0	286.0
Min. Sec.Ft.	0	0	0	0	0	0	0	78.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	4,111.8	10,677.2	563.0	0	0	0	15,352.3

TABLE NO. 30

TULARE IRRIGATION DISTRICT CANAL NEAR HEAD, FROM WUTCHUMNA DITCH

Point of diversion - On Wutchumna Ditch, six and one-half miles below its head, in the northeast quarter of Section 3, Township 18 South, Range 26 East, M.D.B. and M.

Maximum diversion capacity - 200 second-feet.

Location of gaging station - 700 feet below the head of the canal connecting Wutchumna Ditch and Tulare Irrigation District canal in the northeast quarter of Section 3, Township 18 South, Range 26 East, M.D.B. and M. Map designation 30.

Description of gaging station - Concrete Parshall Measuring Flume and water stage recorder.

Operating agency - Tulare Irrigation District.

Gross area of Tulare Irrigation District - 33,500 acres.

Period of record - 1938-1949; continuous from April 1, 1938 to September 30, 1949.

Criteria governing diversions - Tulare Irrigation District owns 11/91 of the Wutchumna Water Company stock and diversions are pro-rated accordingly. The District occasionally receives surplus water in excess of its apportionment.

Diversion in second-feet for year ending September 30, 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	24.1	162	117	100				
2					0	24.1	164	113	101	Dry	Dry	Dry	
3					0	29	162	111	99.9				
4					0	28	161	111	102				
5					3.6	28	161	111	104				
6					2	28	159	106	105				
7					2	25	157	106	106				
8					2	32	152	105	105				
9					4	73	148	102	104				
10					7	87.4	148	99.3	103				
11					14	104	147	99.7	94				
12					10	114	146	102	86.8				
13					7	113	146	102	80				
14					9	117	147	118	72.9				
15					10	122	150	136	68.5				
16					6	120	151	133	69.3				
17					4	128	153	128	68.7				
18					4	126	142	109	60.2				
19					3.5	125	135	100	46.8				
20					3	123	126	102	22				
21					3	122	109	100	0				
22					2.5	121	99.3	115	0				
23					2	120	97.5	117	0				
24					2	121	96.5	115	0				
25					2	127	90.1	115	0				
26					85.5	135	115	114	0				
27					50.1	139	117	100	0				
28					27.3	142	108	102	0				
29					29.6	142	118	101	0				
30						142	122	100	0				
31						152		100	0				
Sec.Ft.	0	0	0	0	295.1	3,033.0	4,095.4	3,402.0	1,699.1	0	0	0	Year Period
Mean													
Sec.Ft.	0	0	0	0	10.2	27.2	136.5	109.7	56.6	0	0	0	34.2
Max.													
Sec.Ft.	0	0	0	0	85.5	152.0	164.0	136.0	106.0	0	0	0	164.0
Min.													
Sec.Ft.	0	0	0	0	0	24.1	96.1	99.3	0	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	585.3	6,017.1	8,123.2	6,747.9	3,370.2	0	0	0	34,843.7

TABLE NO. 30 - Continued

TULARE IRRIGATION DISTRICT CANAL NEAR HEAD, FROM WUTCHUMNA DITCH

Diversion in second-feet for year ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	59.8	57.7	139	118	129.5	102	93.2	Dry	Dry	
2			0	58.9	57.7	139	120	130.5	102.5	93.8			
3			0	56.5	57	144.5	120	132.5	98.8	93.4			
4			0	58.5	53	135	121.5	141.5	82	94.1			
5			0	58.5	47.7	131	135.5	152	48	85.6			
6			0	57.7	47.7	123.5	132	140	43	57.7			
7			0	58.5	46	123.5	129	123	105.5	81.1			
8			0	59.6	44.3	121	128	99	105.5	97.4			
9			0	59.2	49.8	120	127.5	73	105	78.9			
10			0	58.5	71.3	119	129.5	74	105	53.9			
11			0	57.9	68.1	120.5	145.5	52	107	28.2			
12			0	59.2	90.7	121.5	142	47	109.5	15.9			
13			0	57.7	84.2	120	136.5	51	110.5	12.8			
14			0	57	84.2	121	133	50	113.5	13			
15			0	57	90.7	121.5	131	48	115	9.3			
16			0	55.9	92.5	121	130	62	119	3.4			
17			0	55.2	96.1	120	129	123.5	122.5	0			
18			0	47.4	0	111.5	119	35	108.5	0			
19			0	51.6	99.3	118.5	128.5	122	115.5	0			
20			0	49.8	100	118	126.5	108	113.5	0			
21			0	48.4	107.5	118	126	49	109	0			
22			0	47.4	115	117.5	125	46	109	0			
23			0	46	111.5	117	124.5	35	108.5	0			
24			0	46.3	138	117	121	34	109	0			
25			0	48.7	150.5	116.5	121	34	109.5	0			
26			15.3	49.8	134	116.5	122.5	33	110.5	0			
27			48.8	50.1	128	116	123	67	107.5	0			
28			62.5	51.9	127	116.5	124	89	97.7	0			
29			60.7	53	117	117	124	81.8	91.8	0			
30			60	55.2	117.5	117.5	127.5	85.9	92.7	0			
31			60.1	57.4	117.5	117.5	127.5	96.6	92.7	0			
Sec.Ft.													Year
Mean	0	0	307.4	1,695.8	2,447.2	3,781.5	3,829.5	2,631.8	3,067.5	910.7	0	0	Period
Sec.Ft.	0	0	9.9	54.7	87.4	122.0	127.7	84.9	102.3	29.4	0	0	51.2
Max.													
Sec.Ft.	0	0	62.5	59.8	150.5	144.5	145.5	152.0	122.5	94.1	0	0	152.0
Min.													
Sec.Ft.	0	0	0	46.0	44.3	116.0	118.0	33.0	43.0	0	0	0	0
Total													
Ac. Ft.	0	0	609.7	3,363.6	4,854.0	7,500.6	7,595.8	5,220.2	6,084.4	1,806.4	0	0	57,034.7

Diversion in second-feet for year ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	9.5	8.4	24.3	83.3	88.5	29.3	Dry	Dry	
2					8.5	8.4	25.7	84.2	89	24.9			
3					6.5	8.4	27.1	86.8	87.9	24.9			
4					5	8.4	27.9	96.5	91.2	24.2			
5					4.5	8.4	28.5	82.3	93.8	22.4			
6					4.2	8.4	36.6	74.1	98.6	23.6			
7					3.4	8.6	48.2	74.3	101	24.2			
8					3	9.5	51.9	75.2	108	24.1			
9					2.8	11.6	50.1	73.9	111	22.7			
10					2.4	13.1	48.7	71.7	113	20.7			
11					1.6	13.9	63.2	72.5	114	19.7			
12					1.6	21.7	70.9	72.1	117	19.7			
13					2	30.5	71.1	66.7	120	17.5			
14					1.7	40.9	71.7	61.7	120	2.9			
15					1.6	51.2	76.2	61.3	120	0			
16					1.7	57	76.6	61.5	120	0			
17					5.1	68.9	71.3	60.6	122	0			
18					6.8	81.2	69.3	59.8	122	0			
19					6.8	81.2	69.3	60	122	0			
20					6.6	80.4	69.3	61.1	122	0			
21					6.9	79.1	69.3	66.5	122	0			
22					6.8	77.9	68.9	72.7	121	0			
23					6.8	75.4	69.7	73.1	116	0			
24					7.4	74.6	70.1	73.1	116	0			
25					8.2	67.1	71.5	73.9	106	0			
26					8.4	62.7	74.3	75	83.6	0			
27					8.4	59.1	73.7	75.4	61	0			
28					8.4	52.6	81.6	79.3	44.6	0			
29						50.1	84.2	82.7	39.3	0			
30						39.6	82.3	82.7	33.6	0			
31						24.3		83.3		0			
Sec.Ft.													Year
Mean	0	0	0	0	146.6	1,282.6	1,823.5	2,277.3	3,024.3	300.8	0	0	Period
Sec.Ft.	0	0	0	0	5.2	41.4	60.8	73.5	100.8	9.7	0	0	24.3
Max.													
Sec.Ft.	0	0	0	0	9.5	81.2	84.2	96.5	122.0	29.3	0	0	122.0
Min.													
Sec.Ft.	0	0	0	0	1.6	8.4	24.3	59.8	33.6	0	0	0	0
Total													
Ac. Ft.	0	0	0	0	290.8	2,544.1	3,616.9	4,517.0	5,998.7	596.6	0	0	27,564.1

TABLE NO. 30 - Continued

TULARE IRRIGATION DISTRICT CANAL NEAR HEAD, FROM WUTCHUTINA DITCH

Diversion in second-feet for year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	0	21.5	67.7	109.5	20.8	Dry	Dry	
2						0	21.5	67.1	110.5	16.1			
3						0	21	70.9	110	14.6			
4						0	21	75	103.4	15.4			
5						0	18.5	75.6	100	14.9			
6						0	16.5	75.4	90.3	17.2			
7						0	16	70.1	83.8	28.1			
8						0	24	78.6	78.5	33.9			
9						0	24.5	85.5	85.3	26.9			
10						0	50	84.2	101	20.6			
11						0	98.3	84.6	123.5	16.6			
12						0	101	84.8	124	7.8			
13						0	103	78.3	119	0			
14						0	103	69.3	98.7	0			
15						0	92.3	70.3	80	0			
16						0	82.7	69.1	74.6	0			
17						0	80.8	68.1	75.8	0			
18						16.5	80.8	64.6	118	0			
19						32	81	56.4	130	0			
20						40	81	55.3	82.7	0			
21						45.5	81	58.3	84.8	0			
22						47	82.3	59.8	87.7	0			
23						40	82.5	69.7	72.9	0			
24						20	82.9	78.9	42.3	0			
25						22	83.8	83.8	40.3	0			
26						25.5	84.4	85.9	42.3	0			
27						24	78.7	93	42	0			
28						24	71.5	105	39.8	0			
29						23.5	67.3	111.5	37.9	0			
30						23	67.3	110.5	32.5	0			
31						22	110	110	0	0			
Sec.Ft. Days	0	0	0	0	0	405.0	1,920.1	2,418.3	2,521.1	232.9	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	13.1	64.0	78.0	84.0	7.5	0	0	20.5
Max. Sec.Ft.	0	0	0	0	0	47.0	103.0	111.5	130.0	33.9	0	0	130.0
Min. Sec.Ft.	0	0	0	0	0	0	16.0	55.3	32.5	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	803.0	3,808.5	4,796.7	5,000.6	462.0	0	0	14,871.1

Diversion in second-feet for year ending September 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	32	21.5	18	47.5	17	Dry	Dry	
2					0	36.5	22.5	26	47.5	18			
3					0	37	25	34	48	14.5			
4					0	37	23	39	48	7			
5					0	36.5	26.5	44.5	48	4			
6					0	35.5	28	48.5	48.5	4.5			
7					0	35	25	47.5	45.5	3			
8					0	35	25.5	44	44	1			
9					0	35	25	46.5	43.5	1			
10					0	39.5	25	61	43.5	0.5			
11					0	46	24.5	54.5	42.5	0			
12					0	47.5	24	47.5	40.5	0			
13					0	49	23.5	45.5	39	0			
14					0	49	23.5	45.5	38	0			
15					0	49	23	47.5	36.5	0			
16					0	49	22	47.5	32	0			
17					0	44	21	47	28	0			
18					1.5	39.5	18.5	46	28	0			
19					10.5	36.5	9	45.5	27.5	0			
20					11	31.5	10	49	25.5	0			
21					10.5	32	12	52.5	24	0			
22					11.5	32.5	13	53	24	0			
23					12.5	29.5	13	53	24.5	0			
24					11.5	21	13.5	50.5	20	0			
25					14.5	17.5	13	50	17.5	0			
26					22	18	13	49	15	0			
27					30.5	19	16.5	49	12.5	0			
28					31.5	19	21.5	48.5	14	0			
29					31.5	19	22.5	48.5	18	0			
30						19	19	48	17	0			
31						19.5		47.5		0			
Sec.Ft. Days	0	0	0	0	199.0	1,044.0	603.0	1,434.0	989.0	70.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	6.9	33.7	20.1	46.3	33.0	2.3	0	0	11.9
Max. Sec.Ft.	0	0	0	0	31.5	49.0	28.0	61.0	48.5	18.0	0	0	61.0
Min. Sec.Ft.	0	0	0	0	0	17.0	9.0	18.0	12.5	0	0	0	0
Total Ac. Ft.	0	0	0	0	394.7	2,070.8	1,196.1	2,844.3	1,961.7	139.8	0	0	8,607.4

TABLE NO. 30 - Continued

TULARE IRRIGATION DISTRICT CANAL NEAR HEAD, FROM WUTCHUMNA DITCH

Diversion in second-feet for year ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	0	Dry	0	108	72	27	Dry	Dry	
2					0		0	104	69	68			
3					0		0	106	71	55			
4					0		21	100	72	45			
5					0		67	95	67	32			
6					0		74	94	86	18			
7					18.5		80	96	63	15			
8					40		88	97	57	13			
9					40		88	97	49	9.5			
10					40		76	97	53	5			
11					40		70	97	80	0			
12					41		70	100	117	0			
13					37		72	99	125	0			
14					34		78	98	120	0			
15					34		79	85	108	0			
16					35.5		77	63	91	0			
17					33		80	60	86	0			
18					32		86	95	83	0			
19					20		80	85	86	0			
20					5		88	74	93	0			
21					3.5		114	71	102	0			
22					2.5		129	67	89	0			
23					0		125	67	72	0			
24					0		124	67	74	0			
25					0		118	74	47	0			
26					0		118	80	30	0			
27					0		125	84	35	0			
28					0		125	80	38	0			
29					0		123	79	63	0			
30					0		117	81	96	0			
31					0		80	80	0	0			
Sec.Ft. Days	0	0	0	0	454.0	0	2,492.0	2,680.0	2,309.0	343.5	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	16.2	0	83.1	86.5	77.0	11.1	0	0	22.7
Max. Sec.Ft.	0	0	0	0	41.0	0	129.0	108.0	125.0	87.0	0	0	129.0
Min. Sec.Ft.	0	0	0	0	0	0	0	60.0	30.0	0	0	0	0
Total Ac. Ft.	0	0	0	0	900.5	0	4,942.9	5,315.8	4,579.9	681.3	0	0	16,420.4

Diversion in second-feet for year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jen.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	0	24	14	6	76	87	58.	Dry	Dry	Dry	
2			0	24	14	3	80	87	59				
3			0	24	18	0	78	85	61				
4			0	25	21	7	80	85	61				
5			0	25	19	7	84	85	61				
6			0	25	19	2	81	87	55				
7			25	24	19	2	75	84	48				
8			25	17	19	2	84	77	45				
9			25	14	19	0	84	78	45				
10			25	14	19	0	85	78	35				
11			25	14	19	0	83	76	24				
12			25	14	16	0	81	69	20				
13			25	14	16	0	73	71	19				
14			25	14	16	3	72	72	20				
15			24	14	16	9	53	68	18				
16			26	12	16	10	48	60	16				
17			29	12	16	12	52	52	16				
18			25	3	16	14	76	57	16				
19			24	6	16	16	85	58	7				
20			24	13	15	19	101	51	0				
21			24	13	16	19	102	55	0				
22			23	13	16	19	102	55	0				
23			24	13	17	22	84	80	0				
24			25	14	16	22	72	77	0				
25			25	13	15	22	67	62	0				
26			25	14	15	22	73	56	0				
27			24	14	10	22	80	56	0				
28			24	14	6	22	88	55	4				
29			24	14	6	31	87	57	0				
30			24	14	45	87	87	58	0				
31			24	14	59	59	58	58	0				
Sec.Ft. Days	0	0	618.0	482.0	455.0	417.0	2,363.0	2,156.0	684.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	19.9	15.5	16.3	13.5	78.8	69.5	22.8	0	0	0	19.7
Max. Sec.Ft.	0	0	29.0	25.0	21.0	59.0	102.0	87.0	61.0	0	0	0	102.0
Min. Sec.Ft.	0	0	0	3.0	0	0	48.0	51.0	0	0	0	0	0
Total Ac. Ft.	0	0	1,225.8	956.1	902.5	827.1	4,687.0	4,276.4	1,356.7	0	0	0	14,231.6

TABLE NO. 30 - Continued

TULARE IRRIGATION DISTRICT CANAL NEAR HEAD, FROM WUTCHUTMA DITCH

Diversion in second-feet for year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry						15	25	42		Dry	Dry	
2							0	14	26.5				
3							0	14	33				
4							0	16	45.5				
5							0	16.5	77				
6							0	16.5	67	15.5			
7							0	15	60.5	3.5			
8							0	11	58	0			
9							0	7.5	56	1			
10							0	8.5	53	0			
11							0	7.5	53	0			
12							0	7	46	0			
13							0	9	45	0			
14							0	14.5	47	0			
15							0	23.5	47.5	0			
16							0	23.5	52	0			
17							4	22.5	64.5	0			
18							16	24.5	72	0			
19							16.5	26.5	70	0			
20							15	27.5	73	0			
21							15.5	30	72.5	0			
22							17	32.5	72	0			
23							19.5	35	72	0			
24							19.5	35	72	0			
25							23.5	33.5	69	0			
26							23.5	30	66	0			
27							23.5	30	65	0			
28							23.5	28	48	0			
29							24	28	40	0			
30							23.5	26.5	35.5	0			
31							18.5		38.5	0			
Sec.Ft. Days	0	0	0	0	0	280.5	628.5	1,722.0	200.5	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	9.0	21.0	55.0	6.7	0	0	0	7.8
Max. Sec.Ft.	0	0	0	0	0	24.0	35.0	77.0	42.0	0	0	0	77.0
Min. Sec.Ft.	0	0	0	0	0	0	7.0	25.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	556.4	1,246.6	3,415.6	397.7	0	0	0	5,616.3

Diversion in second-feet for year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dry	Dry	0	64	72	Dry	Dry	Dry	
2							0	63	71				
3							0	63	68				
4							0	63	68				
5							0	63	73				
6							6	63	78				
7							7	64	76				
8							9	65	73				
9							10	65	68				
10							43	63	63				
11							50	51	64				
12							59	51	65				
13							70	49	85				
14							68	47	69				
15							59	63	70				
16							42	76	55				
17							42	67	42				
18							43	87	40				
19							46	77	35				
20							47	70	30				
21							53	66	20				
22							60	72	20				
23							65	69	12				
24							55	65	0				
25							45	59	0				
26							49	61	0				
27							50	67	0				
28							46	74	0				
29							47	71	0				
30							58	73	0				
31								73					
Sec.Ft. Days	0	0	0	0	0	0	1,129.0	2,044.0	1,298.0	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	37.6	65.9	43.3	0	0	0	12.2
Max. Sec.Ft.	0	0	0	0	0	0	70.0	87.0	78.0	0	0	0	87.0
Min. Sec.Ft.	0	0	0	0	0	0	0	47.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	0	2,239.3	4,054.3	2,574.6	0	0	0	8,868.2

TABLE NO. 30 - Continued

TULARE IRRIGATION DISTRICT CANAL NEAR HEAD, FROM WUTCHUMNA DITCH

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	Dry	Dr.	0	0	40.5	37.5	Dry	Dry	Dry	
2						0	0	+2.5	35.5				
3						0	0	43.5	30.5				
4						0	0	43.5	27.5				
5						0	0	45.5	23.5				
6						0	1	41	19.5				
7						0	1	38.5	17.5				
8						0	1	40.5	21				
9						4	1	43.5	18.5				
10						8.5	3.5	44.5	6				
11						14	4	35	8.5				
12						17	3.5	29	6				
13						13.5	3	34.5	6.5				
14						10	10.5	42	6.5				
15						8	18.5	47	5				
16						12.5	24	46	0				
17						13	35	42	0				
18						13	17	42.5	0				
19						14	12	42	0				
20						15	28.5	37.5	0				
21						15	36.5	30.5	0				
22						15	38.5	30.5	0				
23						15	45.5	31.5	0				
24						15	47	33	0				
25						5	47.5	37	0				
26						0	46	40.5	0				
27						0	44.5	42	0				
28						0	43.5	43.5	0				
29						0	41	44.5	0				
30						0	40.5	44.5	0				
31						0		40					
Sec.Ft. Days	0	0	0	0	0	207.5	59.0	1,238.5	265.5	0	0	0	Year Period
Mean Sec.Ft.	0	0	0	0	0	6.7	19.8	40.0	8.9	0	0	0	6.3
Max. Sec.Ft.	0	0	0	0	0	17.0	47.5	47.0	37.5	0	0	0	47.5
Min. Sec.Ft.	0	0	0	0	0	0	0	29.0	0	0	0	0	0
Total Ac. Ft.	0	0	0	0	0	411.6	1,178.2	2,456.6	526.6	0	0	0	4,573.0

TABLE NO. 31

MONTHLY DIVERSIONS BY LINDSAY-STRAITHMORE IRRIGATION DISTRICT, IN ACRE-FEET

Sources of water supply - (a) Wutchumna Ditch; (b) Kawesh Well Field. Lindsay-Strathmore Irrigation District now owns 74 per cent of Wutchumna Water Company diversion entitlements. Prior to May 1929 entire supply was obtained from Kawesh Well Field. Since that time it has been obtained from both sources. Water received from Wutchumna Ditch in excess of irrigation requirements is spread on Kawesh Well Field and subsequently extracted from under ground and delivered to the District by pumping. Extractions from the Well Field greatly exceed the amounts received from Wutchumna Ditch.

Gross area of District - 1-,960 acres.

Period of record - 1917-1949.

Points of measurement - Diversions from Wutchumna Ditch are measured at a weir in the main outlet structure located in the northeast quarter of Section 2, Township 18 South, Range 20 East, M.D.B. and M. Map designation (1) a. Wutchumna Ditch water diverted directly to the District is measured by pressure gage and valve opening readings on the booster pumps located near the center of the north half of Section 14, Township 18 South, Range 20 East, M.D.B. and M. Map designation (1) b. Total deliveries to the District are measured by means of a venturi meter located at the main pumping lift in the southeast quarter of Section 19, Township 19 South, Range 27 East, M.D.B. and M. Map designation (1) c. Deliveries to Well Field equal the difference between quantities measured at (1) a and (1) b. Total extractions from Kawesh Well Field equal the difference between measurements at (1) a and (1) b.

Remarks - In the year 1949, water was received from Central Valley Project through the Wutchumna Ditch. The diversion was made in the northeast quarter of Section 2, T 18 S, R 20 E.

Season and Month	Water received from Wutchumna Ditch			Water pumped from Kawesh Well Field	Total delivered to District
	Total	Diverted to District	Spread on Kawesh Well Field		
1939-40					
Oct.	378	378	0	1,285	1,663
Nov.	325	325	0	501	830
Dec.	238	238	0	359	597
Jan.	0	0	0	43	-3
Feb.	1,301	0	1,301	0	0
Mar.	1,832	0	1,832	2	2
Apr.	1,760	90	1,670	0	90
May	1,810	1,551	259	751	2,302
June	2,051	2,051	0	1,045	3,096
July	1,142	1,142	0	1,882	2,824
Aug.	151	151	0	2,313	2,464
Sept.	272	272	0	2,084	2,353
Totals	11,267	6,205	5,062	10,069	16,274
1940-41					
Oct.	300	300	0	1,203	1,503
Nov.	0	0	0	31	11
Dec.	0	0	0	197	197
Jan.	1,107	0	1,107	71	71
Feb.	1,886	0	1,886	52	52
Mar.	1,648	0	1,648	64	64
Apr.	1,788	0	1,788	40	40
May	1,886	1,344	542	986	2,332
June	2,493	2,093	400	511	3,074
July	2,103	1,168	935	1,432	3,615
Aug.	1,189	1,189	0	2,533	3,651
Sept.	187	187	0	4,400	2,592
Totals	14,017	7,246	6,771	9,946	17,192
1941-42					
Oct.	75	67	8	2,029	2,096
Nov.	133	133	0	449	582
Dec.	0	0	0	61	61
Jan.	0	0	0	20	20
Feb.	1,544	0	1,544	10	10
Mar.	1,848	0	1,848	119	119
Apr.	1,793	610	1,177	370	986
May	1,995	1,995	0	332	2,327
June	2,093	2,093	0	927	3,020
July	1,571	1,571	0	2,077	3,648
Aug.	637	637	0	2,757	3,394
Sept.	18	18	0	2,498	2,714
Totals	11,705	7,128	4,577	11,849	18,777
1942-43					
Oct.	30	30	0	1,112	2,1-2
Nov.	0	0	0	515	515
Dec.	0	0	0	14-	144
Jan.	1,790	0	1,790	0	0
Feb.	1,677	0	1,677	0	0
Mar.	1,496	0	1,496	1	1
Apr.	1,350	0	1,350	63	60
May	1,557	1,350	207	1,244	2,595
June	1,874	1,874	0	1,740	3,614
July	1,681	1,651	30	3,640	5,291
Aug.	694	694	0	3,721	4,415
Sept.	52	52	0	2,666	2,920
Totals	11,742	5,363	6,179	13,052	18,615

Season and Month	Water received from Wutchumna Ditch			Water pumped from Kawesh Well Field	Total delivered to District
	Total	Diverted to District	Spread on Kawesh Well Field		
1943-44					
Oct.	234	234	0	1,635	1,869
Nov.	519	519	0	197	716
Dec.	200	200	0	17	217
Jan.	311	0	311	0	0
Feb.	1,189	0	1,189	0	0
Mar.	1,810	0	1,810	23	23
Apr.	1,384	591	793	1,008	1,599
May	1,857	1,587	270	198	1,785
June	1,892	1,892	0	481	2,373
July	1,363	1,363	0	2,250	3,599
Aug.	289	289	0	2,855	3,124
Sept.	157	157	0	2,702	2,859
Totals	11,185	6,812	4,373	11,332	18,144
1944-45					
Oct.	261	261	0	1,919	2,180
Nov.	27	27	0	151	178
Dec.	0	0	0	22	22
Jan.	1,639	0	1,638	28	28
Feb.	1,281	0	1,281	8	8
Mar.	1,596	0	1,596	38	38
Apr.	1,608	111	1,497	257	368
May	1,808	1,808	0	1,232	3,043
June	1,827	1,827	0	1,059	2,895
July	1,640	1,640	0	1,699	3,339
Aug.	343	343	0	2,479	3,122
Sept.	212	212	0	2,408	2,620
Totals	12,541	6,529	6,012	11,310	17,859
1945-46					
Oct.	257	257	0	1,517	1,774
Nov.	147	147	0	75	222
Dec.	477	0	477	0	0
Jan.	1,317	0	1,317	0	0
Feb.	1,15	0	1,15	0	0
Mar.	1,216	0	1,216	17	17
Apr.	1,127	547	670	353	900
May	1,805	1,805	0	655	2,500
June	1,755	1,765	0	967	3,732
July	576	375	201	1,742	3,318
Aug.	198	198	0	2,353	2,751
Sept.	171	171	0	2,209	2,440
Totals	10,561	5,466	5,095	11,348	16,814
1946-47					
Oct.	351	342	9	1,254	1,596
Nov.	332	142	190	805	947
Dec.	0	0	0	54	54
Jan.	1,370	0	1,370	52	52
Feb.	1,472	0	1,472	29	29
Mar.	1,296	85	1,211	356	441
Apr.	1,468	1,468	0	809	2,337
May	1,857	1,857	0	829	2,877
June	1,499	1,499	0	1,270	2,759
July	510	510	0	2,485	3,001
Aug.	120	120	0	2,472	2,592
Sept.	17	17	0	2,215	2,233
Totals	10,298	6,008	4,252	12,662	18,728

TABLE NO. 31 - Continued

MONTHLY DIVERSIONS BY LINDSAY-STRATHMORE IRRIGATION DISTRICT, IN ACRE-FEET

Season and Month	Water received from Wutchumna Ditch			Water pumped from Kaweah Well Field	Total from Kaweah River Sources	Water from Central Valley Project	Total delivered to district
	Total	Diverted to District	Spread on Kaweah Well Field				
1947-48							
Oct.	109	109	0	1,620			1,729
Nov.	49	49	0	364			413
Dec.	0	0	0	312			312
Jan.	348	0	348	335			335
Feb.	265	0	265	140			140
Mar.	0	0	0	795			795
Apr.	1,243	71	1,172	147			218
May	1,696	1,286	410	962			2,248
June	1,781	1,781	0	874			2,655
July	1,182	1,182	0	2,036			3,218
Aug.	185	185	0	2,559			2,744
Sept.	47	47	0	2,361			2,408
Totals	6,905	4,710	2,195	12,505			17,215
1948-49							
Oct.	199	199	0	1,464	1,663		1,663
Nov.	327	327	0	861	1,188		1,188
Dec.	151	151	0	105	256		256
Jan.	745	0	745	307	307		307
Feb.	606	0	606	160	160		160
Mar.	1,834	0	1,834	26	26		26
Apr.	1,513	795	718	761	1,556		1,556
May	1,909	1,909	0	389	2,298		2,298
June	1,716	1,716	0	1,716	3,432		3,432
July	311	311	0	2,141	2,452	1,098	3,550
Aug.	0	0	0	1,287	1,287	1,998	3,285
Sept.	0	0	0	1,775	1,775	1,031	2,806
Totals	9,311	5,408	3,903	10,992	16,400	4,127	20,527

TABLE NO. 32

MONTHLY TOTAL DIVERSIONS TO TULARE IRRIGATION DISTRICT, IN ACRE-FEET

Sources of water supply - Kaweah River through Wutchumna Ditch; Kaweah Branch through Deep Creek and Crocker Cut; St. Johns Branch through Lenes Slough, Ketchum Ditch and Tulare Irrigation District Canal; Central Valley Project from Friant-Kern Canal.

Gross area of District - Prior to January 1948, 33,500 acres. Since October 1948, 75,350 acres.

Period of record - 1917-1949.

Points of measurement - During the years ending September 30, 1920, 1921, 1922, and 1923, the flow resulting from the combined diversions was measured continuously on the main Tulare Irrigation District Canal one and one-half miles below its point of confluence with Crocker Cut in the northeast quarter of Section 36, Township 18 South, Range 25 East, M.D.B. and M. Map designation 62. Monthly total diversions for other years consist of the sums of the monthly diversions at the sources of water supply as respectively set forth by individual diversions in Tables No. 10, No. 11, No. 20, No. 21-c, No. 23, No. 30, and No. 34.

Season	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Totals
1939-40	0	0	0	2,654	6,513	13,301	19,156	25,675	10,227	0	0	0	77,526
1940-41	30	0	2,266	4,548	12,161	14,035	16,215	23,355	23,922	5,337	0	0	100,869
1941-42	0	0	107	5,298	3,155	3,306	10,134	17,988	18,475	902	0	0	59,365
1942-43	0	184	377	3,486	3,967	9,951	16,475	24,000	13,319	1,000	0	0	72,759
1943-44	0	0	90	351	433	2,146	1,552	14,506	5,752	140	0	0	24,970
1944-45	0	0	0	0	9,996	10,109	14,508	21,828	19,099	1,941	0	0	77,481
1945-46	2,489	2,073	5,961	956	902	1,368	11,763	14,424	2,606	0	0	0	42,542
1946-47	0	2,524	1,898	1,617	0	556	1,247	6,534	398	0	0	0	14,774
1947-48	0	0	0	0	0	0	3,523	12,454	5,138	0	0	0	21,115
1948-49	0	0	0	0	0	412	2,586	5,499	527	8,563	16,168	924	34,679

TABLE NO. 33

DAILY TOTAL DIVERSIONS TO TULARE IRRIGATION DISTRICT

Sources of water supply - Kaweah River through Wutchumna Ditch; Kaweah Branch through Deep Creek and Crocker Cut; St. Johns Branch through Lenex Slough, Ketchum Ditch and Tulare Irrigation District Canal.

Gross area of District - 33,500 acres.

Period of record - 1919-1923. See Bulletin No. 49.

Points of measurement - During the years ending September 30, 1920, 1921, 1922 and 1923, the flow resulting from the combined diversions was measured continuously on the main Tulare Irrigation District Canal, one and one-half miles below its point of confluence with Crocker Cut in the northeast quarter of Section 36, Township 18 South, Range 25 East, M. D. B. and M. Map designation (32). Monthly total diversions for other years, set forth in Table No. 32, consist of the sums of the monthly diversions at the sources of water supply as respectively set forth by individual daily diversions in Tables No. 10, No. 11, No. 20, No. 21-c, No. 23 and No. 30.

TABLE NO. 34

TULARE IRRIGATION DISTRICT
 DIVERSIONS FROM FRIANT-KERN CANAL

Point of diversion - Diverted from Wutchumns Ditch in the northeast quarter of Section 3, Township 18 South, Range 26 East, M.D.B. and M. Water from the Friant-Kern Canal was delivered into Wutchumns Ditch in the northeast quarter of Section 2, Township 18 South, Range 26 East, M.D.B. and M. Thence into Tulare Irrigation Canal.

Maximum diversion capacity - 349 second-feet.

Location of gaging station - Same as 23.

Period of record - 1949.

Remarks - This water was purchased from United States Bureau of Reclamation on interim contract.

Diversion in second-feet for year ending September 30, 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Remarks
1	Dry	Dry	Dry	0	266	45							
2										0	264	40	
3										0	266	53	
4										0	277	60	
5										0	283	58	
6										0	286	50	
7										0	302	44	
8										0	305	47	
9										0	317	44	
10										0	327	23	
11										0	343	2	
12										0	346	0	
13										124	349	0	
14										206	322	0	
15										214	312	0	
16										216	304	0	
17										217	288	0	
18										216	270	0	
19										215	266	0	
20										202	266	0	
21										210	259	0	
22										230	252	0	
23										228	265	0	
24										225	261	0	
25										225	254	0	
26										229	240	0	
27										243	225	0	
28										272	190	0	
29										283	106	0	
30										283	76	0	
31										279	64	0	
Sec.Ft. Days	0	0	0	0	0	0	0	0	0	4,317.0	8,151.0	466.0	Year Period
Mean Sec.Ft.	0	0	0	0	0	0	0	0	0	139.3	262.9	15.5	35.4
Max. Sec.Ft.	0	0	0	0	0	0	0	0	0	283.0	349.0	60.0	349.0
Min. Sec.Ft.	0	0	0	0	0	0	0	0	0	0	34.0	0	0
Total Ac. Ft.	0	0	0	0	0	0	0	0	0	8,562.8	16,167.5	924.3	25,654.6

PUBLICATIONS
DIVISION OF WATER RESOURCES

PUBLICATIONS OF THE
DIVISION OF WATER RESOURCES
 DEPARTMENT OF PUBLIC WORKS
 STATE OF CALIFORNIA

When the Department of Public Works was created in July, 1921, the State Water Commission was succeeded by the Division of Water Rights, and the Department of Engineering was succeeded by the Division of Engineering and Irrigation in all duties except those pertaining to State Architect. Both the Division of Water Rights and the Division of Engineering and Irrigation functioned until August, 1929, when they were consolidated to form the Division of Water Resources. The Water Project Authority was created by the Central Valley Project Act of 1933.

STATE WATER COMMISSION

- *First Report, State Water Commission, March 24 to November 1, 1912.
- *Second Report, State Water Commission, November 1, 1912, to April 1, 1914.
- *Biennial Report, State Water Commission, March 1, 1915, to December 1, 1916.
- *Biennial Report, State Water Commission, December 1, 1916, to September 1, 1918.
- *Biennial Report, State Water Commission, September 1, 1918, to September 1, 1920.

DIVISION OF WATER RIGHTS

- *Bulletin No. 1—Hydrographic Investigation of San Joaquin River, 1920-1923.
- *Bulletin No. 2—Kings River Investigation, Water Master's Report, 1918-1923.
- *Bulletin No. 3—Proceedings First Sacramento-San Joaquin River Problems Conference, 1924.
- *Bulletin No. 4—Proceedings Second Sacramento-San Joaquin River Problems Conference, and Water Supervisors' Report, 1924.
- *Bulletin No. 5—San Gabriel Investigation—Basic Data, 1923-1926.
- *Bulletin No. 6—San Gabriel Investigation—Basic Data, 1926-1928.
- *Bulletin No. 7—San Gabriel Investigation—Analysis and Conclusions, 1929.
- *Biennial Report, Division of Water Rights, 1920-1922.
- *Biennial Report, Division of Water Rights, 1922-1924.
- *Biennial Report, Division of Water Rights, 1924-1926.
- *Biennial Report, Division of Water Rights, 1926-1928.

DEPARTMENT OF ENGINEERING

- *Bulletin No. 1—Cooperative Irrigation Investigations in California, 1912-1914.
- *Bulletin No. 2—Irrigation Districts in California, 1887-1915.
- *Bulletin No. 3—Investigations of Economic Duty of Water for Alfalfa in Sacramento Valley, California, 1915.
- *Bulletin No. 4—Preliminary Report on Conservation and Control of Flood Waters in Coachella Valley, California, 1917.
- *Bulletin No. 5—Report on the Utilization of Mojave River for Irrigation in Victor Valley, California, 1918.
- *Bulletin No. 6—California Irrigation District Laws, 1919 (now obsolete).
- *Bulletin No. 7—Use of Water from Kings River, California, 1918.
- *Bulletin No. 8—Flood Problems of the Calaveras River, 1919.
- *Bulletin No. 9—Water Resources of Kern River and Adjacent Streams and Their Utilization, 1920.
- *Biennial Report, Department of Engineering, 1907-1908.
- *Biennial Report, Department of Engineering, 1908-1910.
- *Biennial Report, Department of Engineering, 1910-1912.
- *Biennial Report, Department of Engineering, 1912-1914.
- *Biennial Report, Department of Engineering, 1914-1916.
- *Biennial Report, Department of Engineering, 1916-1918.
- *Biennial Report, Department of Engineering, 1918-1920.

DIVISION OF WATER RESOURCES

Including Reports of the Former Division of Engineering and Irrigation

- *Bulletin No. 1—California Irrigation District Laws, 1921 (now obsolete.)
- *Bulletin No. 2—Formation of Irrigation Districts, Issuance of Bonds, etc., 1922.
- *Bulletin No. 3—Water Resources of Tulare County and Their Utilization, 1922.
- *Bulletin No. 4—Water Resources of California, 1923.
- *Bulletin No. 5—Flow in California Streams, 1923.
- *Bulletin No. 6—Irrigation Requirements of California Lands, 1923.
- *Bulletin No. 7—California Irrigation District Laws, 1923 (now obsolete).
- *Bulletin No. 8—Cost of Water to Irrigators in California, 1925.
- *Bulletin No. 9—Supplemental Report on Water Resources of California, 1925.
- *Bulletin No. 10—California Irrigation District Laws, 1925 (now obsolete).
- *Bulletin No. 11—Ground Water Resources of Southern San Joaquin Valley, 1927.
- *Bulletin No. 12—Summary Report on the Water Resources of California and a Coordinated Plan for Their Development, 1927.
- *Bulletin No. 13—The Development of the Upper Sacramento River, containing U. S. R. S. Cooperative Report on Iron Canyon Project, 1927.

* Reports and Bulletins out of print. These may be borrowed by your local library from the California State Library at Sacramento, California.

- Bulletin No. 14—The Control of Floods by Reservoirs, 1928.
- * Bulletin No. 18—California Irrigation District Laws, 1927, Revision.
- * Bulletin No. 18-A—California Irrigation District Laws, 1929 Revision.
- Bulletin No. 18-B—California Irrigation District Laws, 1931 Revision.
- Bulletin No. 18-C—California Irrigation District Laws, 1933 Revision.
- Bulletin No. 18-D—California Irrigation District Laws, 1935 Revision.
- Bulletin No. 18-E—California Irrigation District Laws, 1937 Revision.
- * Bulletin No. 18-F—California Irrigation District Laws, 1939 Revision.
- Bulletin No. 18-G—California Irrigation District Laws, 1941 Revision.
- * Bulletin No. 18-H—Water Code, Divisions 10 and 11, Irrigation District Laws 1943.
- Bulletin No. 19—Santa Ana Investigation, Flood Control and Conservation (with packet of maps), 1928.
- Bulletin No. 20—Kenneth Reservoir Development, an Analysis of Methods and Extent of Financing by Electric Power Revenue, 1929.
- Bulletin No. 21—Irrigation Districts in California, 1929.
- Bulletin No. 21-A—Report on Irrigation Districts in California for the year 1929.
- Bulletin No. 21-B—Report on Irrigation Districts in California for the year 1930.
- Bulletin No. 21-C—Report on Irrigation Districts in California for the year 1931.
- * Bulletin No. 21-D—Report on Irrigation Districts in California for the year 1932.
- Bulletin No. 21-E—Report on Irrigation Districts in California for the year 1933.
- Bulletin No. 21-F—Report on Irrigation Districts in California for the year 1934.
- Bulletin No. 21-G—Report on Irrigation Districts in California for the year 1935.
- Bulletin No. 21-H—Report on Irrigation Districts in California for the year 1936.
- Bulletin No. 21-I—Report on Irrigation Districts in California for the year 1937.
- Bulletin No. 21-J—Report on Irrigation Districts in California for the year 1938.
- Bulletin No. 21-K—Report on Irrigation Districts in California for the year 1939.
- Bulletin No. 21-L—Report on Irrigation Districts in California for the year 1940.
- Bulletin No. 21-M—Report on Irrigation Districts in California for the year 1941.
- Bulletin No. 21-N—Report on Irrigation Districts in California for the year 1942.
- Bulletin No. 21-O—Report on Irrigation Districts in California for the year 1943.
- Bulletin No. 22—Report on Salt Water Barrier (two volumes), 1929.
- Bulletin No. 23—Report on Sacramento-San Joaquin Water Supervisor, 1924-1928.
- Bulletin No. 24—A Proposed Major Development on American River, 1929.
- Bulletin No. 25—Report to Legislature of 1931 on State Water Plan, 1929.
- Bulletin No. 26—Sacramento River Basin, 1931.
- Bulletin No. 27—Variation and Control of Salinity in Sacramento-San Joaquin Delta and Upper San Francisco Bay, 1931.
- Bulletin No. 28—Economic Aspects of a Salt Water Barrier Below Confluence of Sacramento and San Joaquin Rivers, 1931.
- Bulletin No. 28-A—Industrial Survey of Upper San Francisco Bay Area, 1930.
- Bulletin No. 29—San Joaquin River Basin, 1931.
- Bulletin No. 31—Santa Ana River Basin, 1930.
- Bulletin No. 32—South Coastal Basin, a Cooperative Symposium, 1930.
- Bulletin No. 33—Rainfall Penetration and Consumptive Use of Water in Santa Ana River Valley and Coastal Plain, 1930.
- Bulletin No. 34—Permissible Annual Charges for Irrigation Water in Upper San Joaquin Valley, 1930.
- Bulletin No. 35—Permissible Economic Rate of Irrigation Development in California, 1930.
- Bulletin No. 36—Cost of Irrigation Water in California, 1930.
- Bulletin No. 37—Financial and General Data Pertaining to Irrigation, Reclamation and Other Public Districts in California, 1930.
- Bulletin No. 38—Report of Kings River Water Master for the Period 1918-1930.
- Bulletin No. 39—South Coastal Basin Investigation, Records of Ground Water Levels at Wells, 1932.
- Bulletin No. 39-A—Records of Ground Water Levels at Wells for the Year 1932, Seasonal Precipitation Records to and including 1931-32. (Mimeographed.)
- Bulletin No. 39-B—Records of Ground Water Levels at Wells for the Year 1933, Precipitation Records for the Season 1932-33. (Mimeographed.)
- Bulletin No. 39-C—Records of Ground Water Levels at Wells for the Year 1934, Precipitation Records for the Season 1933-34. (Mimeographed.)
- Bulletin No. 39-D—Records of Ground Water Levels at Wells for the Year 1935, Precipitation Records for the Season 1934-35. (Mimeographed.)
- Bulletin No. 39-E—Records of Ground Water Levels at Wells for the Year 1936, Precipitation Records for the Season 1935-36. (Mimeographed.)
- Bulletin No. 39-F—Records of Ground Water Levels at Wells for the Year 1937, Precipitation Records for the Season 1936-37. (Mimeographed.)
- Bulletin No. 39-G—Records of Ground Water Levels at Wells for the Year 1938, Precipitation Records for the Season 1937-38. (Mimeographed.)
- Bulletin No. 39-H—Records of Ground Water Levels at Wells for the Year 1939, Precipitation Records for the Season 1938-39. (Mimeographed.)
- Bulletin No. 39-I—Records of Ground Water Levels at Wells for the Year 1940, Precipitation Records for the Season 1939-40. (Mimeographed.)
- * Bulletin No. 39-J—Records of Ground Water Levels at Wells for the year 1941; including San Jacinto and Antelope Valleys from beginning of record. Precipitation Records for the Season 1940-41.
- Bulletin No. 39-K—Records of Ground Water Levels at Wells for the Year 1942, Precipitation Records for the Season 1941-42.
- Bulletin No. 39-L—Records of Ground Water Levels at Wells for the Year 1943, Precipitation Records for the Season 1942-43.

* Reports and Bulletins out of print. These may be borrowed by your local library from the California State Library at Sacramento, California.

- Bulletin No. 40—South Coastal Basin Investigation, Quality of Irrigation Waters, 1933.
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- Bulletin No. 41—Pit River Investigation, 1933.
- Bulletin No. 42—Santa Clara Investigation, 1933.
- Bulletin No. 43—Value and Cost of Water for Irrigation in Coastal Plain of Southern California, 1933.
- Bulletin No. 44—Water Losses Under Natural Conditions from Wet Areas in Southern California, 1933.
- Bulletin No. 45—South Coastal Basin Investigation, Geology and Ground Water Storage Capacity of Valley Fill, 1934.
- Bulletin No. 46—Ventura County Investigation, 1933.
- Bulletin No. 46-A—Ventura County Investigation, Basic Data for the Period 1927 to 1932, inclusive. (Mimeographed.)
- Bulletin No. 47—Mojave River Investigation, 1934. (Mimeographed.)
- * Bulletin No. 48—San Diego County Investigation, 1935. (Mimeographed.)
- Bulletin No. 48-A—San Luis Rey River Investigation, 1936. (Mimeographed.)
- Bulletin No. 49—Kaweah River—Flows, Diversions and Service Areas, 1940.
- Bulletin No. 49-A—Kaweah River—Flows, Diversions and Service Areas, 1950.

- Bulletin No. 50—Use of Water by Native Vegetation, 1942.
- Bulletin No. 51—Irrigation Requirements of California Crops, 1945.
- Bulletin No. 52—Salinas Basin Investigation.
- Bulletin No. 52-A—Salinas Basin Investigation—Basic Data.
- Bulletin No. 52-B—Salinas Basin Investigation—Summary Report.
- Bulletin No. 53—South Coastal Basin Investigation.
- Bulletin No. 54—Evaporation from Water Surfaces in California—Summary Report.
- Bulletin No. 54-A—Evaporation from Water Surfaces in California—Basic Data.
- Bulletin No. 55—San Dieguito and San Diego Rivers Investigations, 1949.

- Biennial Report, Division of Engineering and Irrigation, 1920-1922.
- Biennial Report, Division of Engineering and Irrigation, 1922-1924.
- Biennial Report, Division of Engineering and Irrigation, 1924-1926.
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PAMPHLETS

- Dams Under Jurisdiction of the State of California, 1941.
- Water Code, 1943.
- Water Rights, Divisions 1, 2 and 4 of Water Code, 1943.
- Supervision of Dams, Division 3 of Water Code, 1943.
- State Water Plan, Authorities and Boards, Division 6 of Water Code, 1943.
- California Administrative Code, Title 23, Waters.
- Rules and Regulations Pertaining to Supervision of Dams in California, 1946.
- Rules, Regulations and Information Pertaining to Appropriation of Water in California, 1946.
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- * Report of the Conservation Commission of California, 1912.
- * Irrigation Resources of California and Their Utilization (Bull. 254, Office of Exp. U. S. D. A.), 1913.
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- * Report on Pit River Basin, April, 1915.
- * Report on Lower Pit River Project, July, 1915.
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