STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

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REPORT ON WATERMASTER SERVICE IN NORTH FORK PIT RIVER WATERMASTER SERVICE AREA MODOC COUNTY, CALIFORNIA 1955 SEASON

Sacramento, California
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SUBMISSION TO, AND ADOPTION BY
DEPARTMENT OF PUBLIC WORKS

I, J. M. Page, Senior Hydraulic Engineer, Division of Water Resources, Department of Public Works of the State of California, submit the within contained report entitled "Report on Watermaster Service in North Fork Pit River Watermaster Service Area, Modoc County, California, 1955 Season".

/s/ J. M. Page
Senior Hydraulic Engineer

I, W. R. Gianelli, Supervising Hydraulic Engineer, Division of Water Resources, Department of Public Works of the State of California, approve this "Report on Watermaster Service in North Fork Pit River Watermaster Service Area, Modoc County, California, 1955 Season".

/s/ W. R. Gianelli
Supervising Hydraulic Engineer

I, L. C. Jopson, Assistant State Engineer, Division of Water Resources, Department of Public Works of the State of California, approve and adopt this "Report on Watermaster Service in North Fork Pit River Watermaster Service Area, Modoc County, California, 1955 Season", as a report of the Department of Public Works.

WITNESS my hand and the seal of the Department of Public Works of the State of California, this 24th day of February, 1956.

DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

By /s/ L. C. Jopson
L. C. Jopson
Assistant State Engineer

ORGANIZATION

STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

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INTRODUCTION

This is the sixteenth annual report on watermaster service in the North Fork Pit Watermaster Service Area and covers the period of water distribution in 1955 beginning April 1 and terminating September 30.

The service area was created by order of the Department of Public Works on December 18, 1939, and was supplemented and revised by order of December 13, 1940. The service area includes water rights determined by decrees of the Superior Court, Modoc County, on North Fork Pit River and tributaries except Franklin Creek and on various streams tributary to Goose Lake as follows:

Stream	Case	Number
*New Pine Creek	Keller, et al., vs. Jensen, et al.	2821
*Cottonwood Creek	Oliver vs. Robnett, et al.	2344
*Davis Creek	Lake Shore Cattle Co., et al., vs. Mulkey, et al.	2782
Franklin Creek	Crowder, et al., vs. Indart, et al.	3118
North Fork Pit River Linville Creek Joseph Creek Thoms Creek Gleason Creek Parker Creek Shields Creek	In re North Fork Pit River and all its tributaries except Franklin Creek in Modoc County, California	4074

Prior to December 18, 1939, service areas had been created on separate streams as the water rights had been determined on each. To simplify administration, these smaller service areas were combined into a single unit by the above dated orders.

Watermaster service has been provided during each irrigation season since the service area was created, and annual reports have been prepared to show the work accomplished during each season.

*Tributary to Goose Lake.

The report is presented under four headings as follows: Introduction, Water Supply, Distribution of Water, and Changes in Ownership of Lands and Water Rights. Following the text are tables and plates presenting precipitation and hydrographic data.

WATER SUPPLY

Water supply available throughout the irrigation season was about normal. On April 1 it was anticipated the water supply would be deficient. However, above normal precipitation together with cold weather during the month of April increased the snow pack with the result that seasonal runoff throughout the area was about average.

Precipitation

Precipitation data at Alturas, California, and Lakeview, Oregon, as compiled from records of United States Weather Bureau for the period October 1, 1954, to September 30, 1955, are shown in Table 1. The precipitation for the period was 8.79 inches for Alturas and 11.12 inches for Lakeview which is equivalent to about 70 per cent and 79 per cent, respectively, of the mean precipitation at these stations.

The water content of the snowpack on Eagle Peak, Blue Lake Ranch, and Cedar Pass snow courses in 1955, as published in the Division of Water Resources bulletin entitled "Water Conditions in California as of April 1, 1955", averaged 10.9 inches or 63 per cent of the computed mean for the three courses. This information is shown in more detail in the following tabulation.

Snow Course	Elevation, in feet	Water content of snow, in inches: 50-year computed mean	Water content of snow, in inches: 1955	Per cent of mean
Eagle Peak	7,500	18.2	11.8	65
Blue Lake Ranch	7,300	13.6	8.5	63
Cedar Pass	7,200	19.9	12.5	63

Stream Flow

Measuring stations equipped with water stage recorders were maintained on the various streams within the service area as follows:

Recorder location	Control
New Pine Creek below Schroeder's	rated section
Cottonwood Creek below Larkin Garden Ditch	rated section
Davis Creek at Old Fish Wheel	rated section
Linville Creek Above Kenner House Ditch	1-foot rectangular weir
Franklin Creek Above Diversions	4-foot rectangular weir
Joseph Creek Below Couch Creek	rated section
Thomas Creek at Alturas-Cedarville Highway	rated section
Gleason Creek at Jones Ranch	3-foot rectangular weir
Parker Creek at Fogarty Ranch	rated section
Shields Creek below Poppardine's	6-foot rectangular weir
Parker Creek above Highway 395	rated section
North Fork Pit River above Old X L Ranch	rated section

Records of daily discharge for these stations are presented in Tables 2 to 13, inclusive, at the end of this report.

DISTRIBUTION OF WATER

Distribution on the various streams within the North Fork Pit River Watermaster Service Area was generally in accordance with the allotments and priorities set forth in the respective decrees determining the rights thereon. Stream flow available for distribution was determined from the measured discharge at the respective measuring stations.

New Pine Creek

A new concrete diversion dam and 3-foot Parshall Flume were installed on New Pine Creek for the California Ditch after the 1954 season. The Green Upper Ditch and the Surplus Ditch were included in the project with all three ditches now heading at the same diversion dam. This construction greatly facilitated regulation during the 1955 season.

Available discharge of New Pine Creek was sufficient to supply all demands until June 29. By June 30 the water supply had gradually decreased until water for 90 per cent of the total allotment was available. After June 30 the proration or correlative system was changed to a priority system of distribution in accordance with the New Pine Creek decree. During July and August the water gradually decreased until only stockwater was available on September 1. Thereafter until the end of the season the flow remained nearly constant.

To reduce channel loss which is very high in the lower reach of the stream channel, on August 3 the allotments of the lower ranches, consisting of about three cubic feet per second, were diverted through the Mill Ditch which delivers the water to these ranches with less loss. This required regulation of the garden taps on the tail race of the Mill

Ditch in compliance with the signed agreement covering this use.

During most of September the allotment for the McCrary property was also diverted through the Mill Ditch rather than Diversion 11 in order to reduce channel losses.

A summary of distribution of water by months is presented in the following tabulations:

Month	Per cent of allotments available			
	First Priority	Second priority	Third priority	Fourth priority
April	Sufficient to satisfy all demands			
May	Sufficient to satisfy all demands			
June	95			
July	100	100	97	32
August	100	92	24	0
September	100	25	0	0

Cottonwood Creek

The discharge of Cottonwood Creek was sufficient to satisfy all demands until June 13. The flow then steadily declined until June 27 when water was available for first priority allotments only. By August 3 the first priority allotment of Carmen P. Fleming would no longer reach his ranch due to ditch loss and all water was diverted by the C. R. Vincent Ranch. By September 2 the flow would no longer reach the C. R. Vincent Ranch diversion and all water was diverted by William Allen until September 16. Thereafter the flow increased sufficiently to reach the C. R. Vincent Ranch diversion.

A summary of distribution of water by months is presented in the following tabulation:

Month	Per cent of allotments available					
	First priority	Second priority	Third priority	Fourth priority	Fifth priority	Sixth priority
April	Sufficient to satisfy all demands					
May	Sufficient to satisfy all demands					
June	99	87	83	64	47	41
July	39	0	0	0	0	0
August	5	0	0	0	0	0
September	4	0	0	0	0	0

Davis Creek

Maximum flow occurred on June 14 when water was available for all allotments. By July 14 the flow had declined until water was available only for first and second priority allotments. Thereafter until the end of the season the flow remained nearly constant.

A summary of distribution of water during the season is presented in the following tabulation:

Month	Per cent of allotments available			
	First priority	Second priority	Third priority	Fourth priority
April	Sufficient to satisfy all demands			
May	100	100	81	15
June	100	100	78	17
July	100	100	16	0
August	100	100	4	0
September	100	91	0.3	0

Linville Creek

The recorder station on Linville Creek was moved from the Old Power House to a point above Renner House Ditch in order to better record water available to the Capio Ranch. Intermittent measurements were also made of the flow at the Old Power House.

Maximum flow of the creek occurred during May when water was available for 78 per cent of first priority allotments. The available flow gradually decreased until the latter part of July when water was available to satisfy 61 per cent of first priority allotments. Thereafter the flow remained nearly constant.

A summary of distribution by months is presented in the following tabulation:

Month	Per cent of allotments available	
	First priority	Second priority
May	78	0
June	68	0
July	63	0
August	61	0
September	61	0

A graphic comparison of the flow at Old Power House and Linville Creek above Renner House Ditch, together with the allotment of the Capio Ranch is shown on Plate 1.

Franklin Creek

The discharge of Franklin Creek was sufficient to supply all demands until May 27. The flow then declined steadily until June 22 when water was available for about 10 per cent of third priority allotments. There-after the flow remained nearly constant.

On August 15 the allotments for the Dawson and Crowder Ranches were diverted from the Dawson Ditch on to the northeast corner of the Dawson meadow and within a few days water was reaching the Crowder Ranch. The water was distributed in this manner until the end of the season.

A summary of the distribution of water by months is presented in the following tabulation:

Month	Per cent of allotments available			
	First priority	Second priority	Third priority	Fourth priority
April	Sufficient to satisfy all demands			
May	100	100	88	40
June	100	100	39	0
July	100	100	10	0
August	100	100	5	0
September	100	100	4	0

Joseph Creek

The discharge of Joseph Creek was sufficient to supply all demands until June 11. By the middle of July the flow had declined until only stockwater was available. Thereafter the flow remained nearly constant. Water was released from Halls Meadow Reservoir from July 29 until September 2 and from September 7 to September 12.

A summary of distribution by months is presented in the following tabulation.

Month	Per cent of allotments available			
	First priority	Second priority	Third priority	Fourth priority
April	Sufficient to satisfy all demands			
May	Sufficient to satisfy all demands			
June	100	81	56	49
July	85	13	0	0
August	83	7	0	0
September	44	4	0	0

Thoms Creek

The discharge of Thoms Creek was sufficient to supply all demands until July 16. The flow then steadily declined until August 23 when the Creek was dry at the recorder station. It remained dry until September 17 when rains caused a limited flow which continued throughout the season.

Gleason Creek

The discharge of Gleason Creek was sufficient to satisfy all demands until May 10. The flow then steadily decreased until June 7 when only stockwater was available at the recorder station. A small flow continued at this point until August 29. Thereafter until the end of the season the creek was dry.

A summary of distribution of water by months April May and June is presented in the following tabulation:

Month	Per cent of allotments available				
	First priority	Second priority	Third priority	Fourth priority	Fifth priority
April	Sufficient to satisfy all demands				
May	100	100	89	44	32
June	85	54	4	0	0

Shields Creek

Water was available to satisfy all demands until June 20 and decreased gradually thereafter until the middle of September. During the period from August 13 until the end of the season the available flow was less than 4.0 cubic feet per second and water was distributed on an equal and correlative basis in accordance with the decree.

Hydrographs of Shields Creek below Pepperdine Ranch and Shields Creek above all Diversions for the period July 7 to September 30 are presented on Plate 2.

A summary of distribution of water by months is presented in the following tabulation:

Month	Per cent of allotments available			
	First priority	Second priority	Third priority	Fourth priority
April	Sufficient to satisfy all demands			
May	Sufficient to satisfy all demands			
June	100	96	-	67
July	100	74	-	0
August 1-12	100	61	-	0
August 13-31	90			
September	72			

Allotments from Shields Creek are interrelated with those on Parker Creek, and no third priority allotments attach to Shields Creek.

Parker Creek

The discharge of Parker Creek was sufficient to satisfy all demands until June 21. By the first part of August the flow had gradually declined until only stockwater was available. Thereafter the flow remained nearly constant until the end of the season.

A summary of distribution of water by months is presented in the following tabulation:

Month	Per cent of allotments available			
	First priority	Second priority	Third priority	Fourth priority
April	Sufficient to satisfy all demands			
May	Sufficient to satisfy all demands			
June	100	100	99	87
July	100	100	67	6
August	100	100	11	0
September	100	100	13	0

North Fork Pit River

Two recorders were used in determining the total quantity of water available on the North Fork Pit River. One recorder is maintained above the X-L Ranch and the other on Parker Creek just above its confluence with North Fork Pit River.

There was sufficient flow in North Fork Pit River to satisfy all demands until June 8. By June 21 first priority rights were not fully satisfied and by August 19 it was difficult to divert stockwater from the river. From August 20 until September 30 water was released from Lauer Reservoir for use on the X-L Ranch.

A summary of distribution of water by months is presented in the following tabulation:

Month	Per cent of allotments available				
	First priority	Second priority	Third priority	Fourth priority	Fifth priority
April	Sufficient to satisfy all demands				
May	Sufficient to satisfy all demands				
June	88	74	55	42	12
July	55	23	0	0	0
August	37	1	0	0	0
September	59	0.4	0	0	0

Parker Creek joins North Fork Pit River downstream from the X-L Ranch to which first priority allotments attach. Therefore, during a portion of the season water is available from Parker Creek to supply second priority allotments when there is insufficient water available to completely satisfy first priority allotments on the main stream above this tributary.

CHANGES IN OWNERSHIP OF LANDS AND WATER RIGHTS

Changes in ownership of lands and water rights which have occurred during the period covered by this report and subsequent to filing "Statement for North Fork Pit River Watermaster Service Area, County of Modoc, State of California, for 1955", and which will be included in the 1956 statement for the service area, are listed in the following tabulation:

Tract number	Name of water right owner appearing in 1955 statement	Name of water right owner to appear in 1956 statement	Amount of water in cubic feet per second
9-89 9-98	Royce, Margaret	Frock, Charles H. and Frock, Mae	1.05
9-28 9-29	McDonald, J. T. Jr. and McDonald, Dorothy Reid	U R Ranch Inc	1.60
9-48	Echard, Estate of D. M.	Echard, Ronald F. and Mesa, Enid	1.40
9-65 9-67 9-68 9-72 9-73 9-74 9-75	Comrie, J. F. and Comrie, Anna L. Ganger, L. L. and	Comrie, J. F. and Comrie, Anna L.	7.71
9-55	Crivel, Harry C. and Crivel, Lulu C.	Crivel, Robert H. and Crivel, Delorie C.	0.06
9-80	Kennedy, James H. and Kennedy, Vivian B.	Rice, John B. and Rice, Kate L.	1.28
9-36 9-37	Briles, Rose	Judy, J. W.	0.65
9-39 9-41	Learner, M.	Roger Jessup Farms Company	6.10

TABLE I

PRECIPITATION AT ALTURAS, CALIFORNIA, AND
LAKEVIEW, OREGON

1954-1955

In Inches

Month	Alturas		Lakeview	
	Mean precipitation	1954-1955 precipitation	Mean precipitation	1954-1955 precipitation
October	0.99	0.40	0.96	0.18
November	1.23	1.10	1.62	0.99
December	1.51	1.40	1.79	2.03
January	1.79	0.67	1.93	1.16
February	1.37	0.85	1.85	1.12
March	1.40	0.80	1.43	1.25
April	1.11	1.65	1.18	1.94
May	1.19	0.45	1.25	0.88
June	0.79	0.43	0.92	0.43
July	0.40	0.39	0.31	0.45
August	0.22	0	0.25	0.44
September	0.53	0.65	0.64	0.69
TOTALS	12.53	8.79	14.13	11.12

TABLE 2

DAILY MEAN DISCHARGE OF NEW PINE CREEK BELOW SCHROEDER'S

April 8 to September 27, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	6.5	33	19.1	11.1	4.2
2	O	7.2	30	18.7	11.0	4.0
3		7.6	30	18.3	11.0	4.0
4	R	7.6	39	17.9	10.6	4.0
5	E	10.5	53	17.5	10.2	4.0
6	C O R	15.0	56	17.2	9.8	4.0
7	D	15.0	57	18.0	9.4	3.9
8	4.0	18.5	64	17.2	9.0	3.9
9	5.3	20	65	17.2	8.7	3.8
10	5.8	23	59	17.2	8.5	3.8
11	4.5	29	51	17.2	8.3	3.7
12	4.0	31	46	17.2	8.1	3.7
13	4.5	26	41	17.2	7.9	3.6
14	4.5	18.0	36	17.2	7.7	5.0
15	4.5	15.0	31	16.7	7.5	4.0
16	5.0	15.0	26	16.2	7.3	3.6
17	5.3	15.0	23	15.7	7.2	3.6
18	4.5	16.3	22	15.2	7.0	3.6
19	4.0	25	22	14.6	6.9	3.6
20	4.0	43	21	14.1	6.7	3.6
21	4.0	65	21	13.5	6.6	3.6
22	4.5	59	21	13.2	6.4	3.5
23	5.8	53	20	12.9	6.3	3.5
24	6.5	48	20	12.6	6.1	3.4
25	6.5	36	20	12.3	6.0	3.4
26	5.8	31	19.9	12.0	5.8	3.3
27	5.0	32	19.8	11.7	5.6	3.3
28	4.0	34	19.7	11.5	5.4	
29	4.0	41	19.6	11.4	5.1	NO
30	4.5	45	19.5	11.3	4.8	
31	--	39	--	11.2	4.5	RECORD
Mean	4.8	27.3	33.6	15.3	7.6	3.8
Runoff in acre-feet	219	1,680	2,000	938	469	201

Total for period 5,510 acre-feet

TABLE 3

DAILY MEAN DISCHARGE OF COTTONWOOD CREEK BELOW LARKIN GARDEN DITCH

April 8 to September 27, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	NO	10.2	17.0	2.1	0.4	0.08*
2		11.2	16.0	1.9	.4	.08*
3		12.2	15.4	1.8	.4	.08*
4	RE	13.7	16.0	1.6	.3	.07*
5		16.0	17.6	1.7	.3	.07*
6	CORD	16.7	18.7	1.8	.3	.06*
7		17.4	19.2	2.0	.3	.06*
8	7.1	18.1	19.8	2.1	.3	.06*
9	7.5	18.8	20	2.5	.3	.06*
10	6.7	19.5	20	2.5	.2	.05*
11	5.6	20	18.7	2.1	.2*	.05*
12	4.6	18.7	16.0	1.8	.2*	.05*
13	4.2	16.3	13.7	1.6	.2*	.05*
14	4.6	11.7	12.7	1.4	.2*	.10
15	4.9	8.8	11.7	1.8	.2*	.08
16	5.6	7.9	10.6	1.6	.2*	.1
17	5.6	7.5	9.7	1.4	.2*	.2
18	4.9	14.8	8.3	1.3	.2*	.2
19	3.9	23	7.5	1.2	.1*	.3
20	3.6	25	7.0	1.0	.1*	.3
21	3.6	32	6.3	0.9	.1*	.3
22	3.3	29	5.9	0.9	.1*	.3
23	5.9	27	5.6	0.9	.1*	.3
24	7.9	24	4.9	0.8	.1*	.3
25	7.1	20	4.6	0.7	.1*	.3
26	6.7	18.2	4.2	0.7	.1*	.3
27	6.3	17.6	3.6	0.7	.1*	.3
28	5.9	17.6	3.6	0.7	.09*	
29	5.9	18.7	3.3	0.6	.09*	NO
30	7.9	19.2	3.0	0.6	.09*	
31	---	18.2	---	0.5	.08*	RECORD
Mean	5.6	17.7	11.4	1.4	0.2	0.2
Runoff in acre-feet	256	1,090	675	86	12	8

*Flow estimated

Total for period 2,130 acre-feet.

TABLE 4

DAILY MEAN DISCHARGE OF DAVIS CREEK AT OLD FISH WHEEL

April 8 to September 27, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	NO	13.3	41	15.5	7.4	5.3
2		13.6	40	14.9	7.4	5.1
3	R	13.9	41	15.2	7.1	5.1
4	E	15.2	44	14.5	7.1	4.9
5	C	19.3	45	13.9	7.1	4.7
	O					
6	R	25	44	12.6	7.1	4.5
7	D	28	44	12.0	7.1	4.5
8	12.4	30	42	12.0	7.1	4.5
9	13.6	31	41	13.3	6.8	4.5
10	14.5	33	39	12.6	6.8	4.5
11	12.0	35	35	11.7	6.6	4.5
12	11.1	37	32	10.2	6.6	4.5
13	11.4	38	40	9.3	6.6	4.5
14	12.3	33	61	8.7	6.6	5.7
15	14.9	33	45	9.9	6.6	5.5
16	12.3	33	39	9.6	6.4	5.1
17	12.3	34	35	9.0	6.4	5.5
18	11.7	32	31	8.7	6.2	5.3
19	11.1	33	29	8.4	6.0	4.7
20	11.1	37	28	8.2	6.0	4.5
21	15.1	45	26	7.9	6.0	4.2
22	17.2	49	25	7.9	6.0	4.2
23	13.9	49	23	7.9	6.0	4.2
24	14.9	40	21	7.6	5.7	4.2
25	13.3	43	20	7.6	5.7	4.2
26	13.9	40	19.0	7.4	5.7	4.2
27	13.9	41	17.9	7.4	5.7	4.2
28	14.2	41	17.3	7.4	5.7	
29	13.9	44	16.9	7.4	5.5	NO
30	15.9	46	16.2	7.4	5.5	
31	---	43	---	7.4	5.3	RECORD
Mean	13.3	33.8	33.3	10.1	6.4	4.7
Runoff in acre-feet	609	2,080	1,980	622	392	251

Total for period 5,930 acre-feet

TABLE 5

DAILY MEAN DISCHARGE OF LINVILLE CREEK ABOVE BENNER HOUSE DITCH

May 13 to September 28, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	N	1.3	0.9	1.1	0.8
2	O	O	1.2	0.7	1.1	0.8
3			1.2	1.1	1.1	0.7
4			1.2	1.1	1.1	0.7
5			1.1	1.2	1.1	0.8
6	RECORD	RECORD	0.9	0.9	1.1	0.7
7			0.8	1.1	1.1	0.8
8			0.7	1.1	1.1	0.8
9			0.7	1.6	1.1	0.9
10			0.6	1.4	1.2	0.9
11			0.7	1.2	0.7	1.0
12			0.8	1.5	0.3	1.0
13		1.5	0.8	2.3	0.4	0.9
14		1.7	1.6	2.5	0.5	1.6
15		2.0	1.2	1.7	0.5	1.3
16		2.0	1.2	1.1	0.6	1.2
17		1.5	1.1	1.1	0.6	1.5
18		1.1	1.0	1.1	0.7	1.3
19		0.9	0.9	1.1	0.7	1.4
20		0.8	0.8	0.9	0.8	1.3
21		0.6	0.8	.8	0.8	1.2
22		0.6	0.8	1.1	0.7	1.1
23		0.7	0.9	1.1	0.7	1.1
24		0.8	1.0	1.0	0.7	1.0
25		1.0	1.0	1.1	0.7	1.0
26		1.1	1.1	1.1	0.8	1.1
27		1.1	1.0	.90	0.9	1.2
28		1.0	1.1	.90	0.8	1.3
29		1.1	1.2	1.0	0.6	NO
30		1.1	1.0	1.0	0.8	
31		1.4	---	1.0	0.7	RECORD
Mean		1.2	1.0	1.2	0.8	1.1
Runoff in acre-feet		44	59	73	50	58

Total for period 284 acre-feet

TABLE 6

DAILY MEAN DISCHARGE OF FRANKLIN CREEK ABOVE ALL DIVERSIONS

April 6 to September 30, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	NO	4.6	9.2	3.1	2.2	2.0
2		4.7	8.7	3.1	2.3	2.0
3	RECORD	4.9	8.2	3.2	2.2	2.0
4		5.4	7.8	3.2	2.2	2.0
5		6.9	7.4	2.8	2.2	2.0
6	2.7	9.2	6.9	2.7	2.2	2.0
7	3.1	10.7	6.6	2.7	2.2	2.0
8	3.9	10.4	6.3	2.7	2.2	2.0
9	4.6	9.8	5.9	3.1	2.2	2.0
10	4.5	9.7	5.6	2.9	2.1	2.0
11	3.5	9.8	5.1	2.8	2.1	2.0
12	3.3	10.2	5.0	2.7	2.1	2.0
13	3.5	10.5	4.9	2.5	2.1	2.0
14	3.7	9.7	7.5	2.4	2.1	2.4
15	3.5	8.7	5.4	2.7	2.1	2.2
16	3.4	7.7	4.7	2.4	2.1	2.2
17	3.4	8.2	4.6	2.4	2.1	2.2
18	3.3	9.8	4.3	2.3	2.1	2.2
19	3.2	11.2	4.1	2.3	2.0	2.1
20	3.2	12.5	3.7	2.3	2.0	2.0
21	3.5	13.7	3.5	2.3	2.0	2.0
22	3.7	14.0	3.3	2.1	2.0	2.0
23	4.1	14.4	3.2	2.0	2.0	2.0
24	4.3	13.8	3.2	2.0	2.0	2.0
25	3.9	13.3	3.2	2.0	2.0	2.0
26	3.7	13.5	3.1	2.0	2.0	2.0
27	3.7	12.5	2.9	2.1	2.0	2.0
28	3.8	12.2	3.1	2.1	2.0	2.0
29	3.8	12.0	3.3	2.2	2.0	2.0
30	4.1	11.1	3.2	2.2	2.0	2.0
31	--	10.4	--	2.2	2.0	--
Mean	3.7	10.2	5.1	2.5	2.1	2.0
Runoff in acre-feet	181	626	305	154	128	127

Total for period 1,520 acre-feet

TABLE 7

DAILY MEAN DISCHARGE OF JOSEPH CREEK BELOW COUCH CREEK

April 6 to September 30, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	NO	10.6	9.6	3.1	5.1	1.5
2		11.1	9.0	3.0	5.1	0.5[b]
3	RECORD	13.1	8.7	3.3	2.9	0.5
4		14.1	9.6	3.3	2.4	0.5
5		17.0	9.3	3.1	2.3	0.5
6	8.0	23	9.4	2.8	2.2	0.7
7	9.2	27	9.3	2.7	2.1	3.3[a]
8	12.0	26	10.0	2.6	2.1	3.4
9	17.0	22	10.0	3.0	2.1	3.4
10	18.5	21	9.6	2.7	2.1	3.4
11	13.0	21	8.6	2.5	2.0	2.4
12	12.0	21	7.7	2.3	2.0	0.8[b]
13	11.2	19.0	7.5	2.2	2.0	0.7
14	10.4	15.0	17.1	2.1	2.0	1.0
15	9.6	13.7	11.0	2.3	2.0	0.8
16	8.5	12.3	8.6	2.0	1.9	0.8
17	8.0	17.0	6.2	1.8	1.9	0.9
18	7.7	20	5.6	1.7	1.9	0.8
19	7.4	23	5.1	1.7	1.9	0.8
20	7.4	25	4.6	1.7	1.8	0.8
21	10.3	25	4.3	1.7	1.8	0.8
22	11.6	21	4.1	1.5	1.8	0.8
23	10.8	18.5	3.9	1.4	1.8	0.8
24	10.8	18.0	3.8	1.4	1.8	0.8
25	9.4	15.0	3.9	1.4	1.7	0.8
26	8.2	13.8	3.7	1.4	1.7	0.8
27	8.9	12.2	3.4	1.4	1.7	0.8
28	9.8	11.8	3.3	1.2	1.7	0.8
29	9.4	12.2	3.2	2.1[a]	1.6	0.8
30	10.3	12.2	3.2	5.2	1.6	0.8
31	--	11.6	--	5.1	1.6	--
Mean	10.4	17.5	7.1	2.4	2.1	1.2
Runoff in acre-feet	514	1,090	423	146	132	70

a Halls Meadow Reservoir turned on.
b Halls Meadow Reservoir turned off.

Total for period 2,370 acre-feet

TABLE 8

DAILY MEAN DISCHARGE OF TROMS CREEK AT CEDARVILLE-ALTURAS HIGHWAY

April 5 to September 30, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	NO	21	15.8	3.7	1.5	N
2		23	14.0	3.6	1.5	O
3	RECORD	25	12.4	3.9	1.4	
4		28	10.9	4.1	1.2	
5	11.0	43	9.5	3.8	1.1	
6	11.8	57	8.5	3.4	1.0	F
7	17.0	67	8.0	3.2	0.8	L
8	24	67	7.4	3.0	0.7	O
9	28	56	6.9	2.9	0.6	W
10	25	54	6.5	2.9	0.4	
11	18.0	53	6.1	2.8	0.3	
12	15.6	52	6.1	2.7	0.2	
13	15.5	43	6.9	2.5	0.2	
14	14.5	32	15.1	2.4	0.1	
15	13.5	30	8.1	2.6	0.1	
16	13.0	26	6.7	2.3	0.1	
17	13.3	28	5.9	2.1	0.1	0.1
18	12.0	40	5.3	2.0	0.1	.5
19	11.0	54	4.8	1.8	0.1	.4
20	10.8	59	4.4	1.7	0.1	.6
21	13.2	58	3.8	1.6	0.1	.6
22	15.5	49	3.5	1.5		.6
23	17.6	43	3.4	1.5	N	.7
24	20	40	3.5	1.6	O	.7
25	18.0	34	3.5	1.7		.7
26	16.0	30	3.5	1.8	F	.7
27	16.0	27	3.4	1.7	L	.8
28	15.8	24	3.4	1.7	O	.8
29	15.8	23	3.8	1.8	W	.8
30	18.2	21	3.9	1.9		.8
31	---	19.0	---	1.7		---
Mean	16.2	39.6	6.8	2.4	0.4	0.3
Runoff in acre-feet	833	2,440	407	151	23	17

Total for period 3,870 acre-feet

TABLE 9

DAILY MEAN DISCHARGE OF OLBASON CREEK NEAR JONES RANCH

April 15 to September 30, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	3.6	1.0	0.02	0.01	
2	O	3.7	1.0	.02	.01	
3		4.0	0.9	.02	.01	N
4		4.0	0.7	.02	.01	O
5		4.4	0.4	.02	.01	
6	RECORD	4.9	0.2	.02	.01	F
7		5.0	0.1	.02	.01	L
8		4.6	0.1	.02	.01	O
9		4.3	0.1	.02	.01	W
10		3.7	0.1	.02	.01	
11		3.2	0.1	.02	.01	
12		2.7	0.1	.02	.01	
13		2.4	0.1	.02	.01	
14		2.4	1.1	.02	.01	
15	2.3	2.5	1.0	.02	.01	
16	2.2	2.5	0.5	.02	.01	
17	2.3	2.4	0.3	.02	.01	
18	2.2	2.7	0.2	.02	.01	
19	2.1	2.8	0.1	.02	.01	
20	2.4	2.5	0.09	.02	.01	
21	3.6	2.2	0.07	.02	.01	
22	3.8	2.0	0.05	.02	.01	
23	3.7	1.9	0.05	.02	.01	
24	4.4	2.0	0.04	.02	.01	
25	4.0	1.9	0.04	.02	.01	
26	3.5	1.7	0.04	.02	.01	
27	3.4	1.5	0.03	.02	.01	
28	3.5	1.4	0.03	.02	.01	
29	3.2	1.3	0.03	.02	.01	
30	3.3	1.2	0.03	.02	.01	
31	--	1.1	--	.02	.01	
Mean	3.1	2.8	0.29	0.02	0.01	0
Runoff in acre-feet	99	172	17	1.2	.6	0

Total for period 290 acre-feet

TABLE 10

DAILY MEAN DISCHARGE OF PARKER CREEK AT FOGERTY RANCH

April 5 to September 30, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	NO	44	42	7.7	4.0	1.5
2		46	36	7.5	3.2	1.8
3	RECORD	53	35	9.0	1.4	1.8
4		58	36	10.5	1.8	1.5
5	15.0	77	36	8.0	2.3	1.4
6	15.0	108	35	8.0	2.3	1.3
7	21	121	33	9.5	2.3	1.4
8	26	119	31	8.8	2.5	1.5
9	44	107	29	9.5	2.5	1.8
10	72	101	27	10.5	2.3	1.8
11	38	95	25	8.5	2.0	1.8
12	34	87	25	7.5	1.8	1.8
13	33	77	29	6.7	1.8	1.8
14	31	58	58	6.5	1.8	2.5
15	34	58	40	7.0	1.8	2.8
16	34	58	23	6.7	1.8	2.5
17	31	66	21	6.0	1.6	3.0
18	30	85	18.5	6.5	1.2	3.0
19	29	97	16.0	6.0	1.2	2.5
20	31	100	13.0	6.0	1.2	2.3
21	43	104	10.5	6.0	1.2	2.0
22	60	85	9.5	6.0	1.4	2.0
23	54	80	10.0	6.0	1.8	2.0
24	59	83	10.5	6.0	1.8	2.0
25	49	70	10.5	5.8	1.8	2.0
26	40	59	11.0	5.6	2.0	2.3
27	41	57	8.7	5.4	2.0	2.5
28	45	54	8.7	5.2	2.0	3.0
29	38	54	10.5	5.2	2.0	3.2
30	38	50	8.5	4.9	1.8	3.2
31	---	47		4.7	1.5	---
Mean	37.9	76.1	23.6	7.0	1.9	2.1
Runoff in acre-feet	1,950	4,680	1,400	431	119	127

Total for period 8,710 acre-feet

TABLE 11

DAILY MEAN DISCHARGE OF SHIELDS CREEK BELOW PEPPERDINE RANCH

May 4 to September 30, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	NO	6.1	2.9	2.0	1.4
2	O	RECORD	5.1	2.9	1.9	1.4
3			5.3	3.7	1.8	1.4
4		8.3	5.1	3.5	1.9	1.3
5	RE	9.2	4.8	3.0	1.8	1.2
6	C	10.5	4.5	3.1	1.9	1.2
7	O	11.5	4.2	3.2	1.9	1.3
8	R	12.7	4.0	3.2	1.8	1.5
9	D	12.2	3.6	3.7	1.8	1.7
10		10.3	3.3	3.5	1.8	1.7
11		10.5	3.4	2.9	1.8	1.7
12		10.3	4.5	2.9	1.9	1.7
13		9.2	5.3	2.8	1.8	1.5
14		9.8	11.6	2.4	1.8	2.2
15		11.2	5.5	2.8	1.0	2.0
16		10.8	4.7	2.3	1.8	1.8
17		11.5	4.9	2.2	1.8	2.3
18		10.5	4.9	2.2	1.8	1.9
19		10.5	4.7	2.2	2.1	1.8
20		10.8	4.0	2.2	2.0	1.7
21		11.0	3.7	2.2	1.9	1.7
22		11.0	3.5	2.2	1.9	1.7
23		10.8	3.3	2.2	1.4	1.7
24		11.7	3.5	2.1	1.3	1.8
25		9.8	3.7	2.1	1.7	1.8
26		8.7	3.7	2.1	1.7	1.8
27		8.3	3.1	2.1	1.8	1.9
28		8.0	3.5	2.0	1.9	2.0
29		7.6	3.7	2.0	1.7	2.1
30		7.2	3.1	2.0	1.4	2.2
31		7.5	--	2.0	1.4	--
Mean		10.1	4.5	2.6	1.8	1.7
Runoff in acre-feet		558	266	160	110	102

Total for period 1,200 acre-feet

TABLE 12

DAILY MEAN DISCHARGE OF PARKER CREEK ABOVE HIGHWAY 395,
MODOC COUNTY

April 6 to September 30, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	NO	4.5	4.0	4.3	1.8	0.3
2		4.5	4.3	2.7	1.6	0.1
3	RECORD	6.5	4.1	4.6	1.4	0.2
4		16.0	4.4	7.0	1.2	0.2
5		28	4.7	6.5	1.0	0.2
6	3.5	80	5.1	4.3	1.0	0.2
7	7.5	91	11.0*	6.0	1.0	0.1
8	12.0	83	20	6.0	1.0	0.1
9	14.0	70	23	8.0	0.9	0.2
10	13.0	52	19.5	8.0	0.2	0.2
11	6.0	51	17.5	7.0	0.1	0.2
12	3.5	49	18.5	5.2	0.1	0.2
13	3.5	41	23	3.2	0.1	0.2
14	3.5	21	59	3.0	0.1	0.4
15	3.5	18.0	41	4.2	0.1	0.4
16	3.5	15.5	25	3.3	0.1	0.4
17	4.5	18.5	19.5	3.6	0.1	0.3
18	4.0	46	15.0	4.2	0.4	0.4
19	3.5	48	11.5	4.2	0.7	0.2
20	4.0	47	9.0	4.6	0.6	0.1
21	10.0	48	3.7	4.3	0.4	0.1
22	22	37	4.3	4.1	0.4	0.1
23	12.0	26	5.0	3.8	0.4	0.1
24	12.0	23	6.5	3.7	0.5	0.2
25	9.0	15.0	6.5	3.4	0.5	0.3
26	6.0	14.0	7.5	3.0	0.5	0.4
27	7.0	9.0	6.0	2.7	0.6	0.6
28	7.5	6.5	6.0	2.5	0.6	0.8
29	5.5	4.5	6.5	2.2	0.6	1.3
30	3.5	5.0	4.3	2.0	0.2	1.5
31	---	4.3	---	1.9	0.2	---
Mean	7.4	31.7	13.4	4.3	0.6	0.3
Runoff in acre-feet	365	1,950	796	265	36	20

* Darrie Reservoir Ditch shut off. Total for period 3,430 acre-feet.

TABLE 13

DAILY MEAN DISCHARGE OF NORTH FORK PIT RIVER ABOVE XL RANCH

April 15 to September 28, 1955

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	45	30	5.0	1.0	4.7
2	O	38	26	6.0	1.0	4.7
3		39	24	7.0	1.0	4.7
4		40	23	8.5	1.0	4.6
5		52	21	8.0	1.0	4.6
6	RECORD	72	18.0	6.5	1.0	4.6
7		80	15.0	7.0	1.0	4.5
8		68	15.0	6.0	1.0	4.5
9		63	14.0	5.0	1.0	4.5
10		57	13.0	6.0	1.0	4.4
11		57	12.0	5.0	1.0	4.3
12		56	12.0	4.5	1.0	4.3
13		52	11.0	4.0	1.0	4.3
14		44	31	3.5	1.0	4.2
15	27	49	25	4.5	1.0	4.8
16	26	55	18.0	4.5	1.0	5.2
17	40	57	14.0	3.5	1.0	5.5
18	63	57	10.0	3.0	1.0	5.5
19	59	63	7.0	2.5	1.0	5.3
20	39	66	6.5	2.0	5.0*	5.0
21	50	66	6.0	1.9	5.0	4.5
22	60	61	5.0	1.8	5.0	4.4
23	46	55	4.5	1.7	5.0	4.3
24	47	55	5.0	1.6	4.9	4.2
25	42	50	5.0	1.5	4.9	4.1
26	38	47	4.5	1.4	4.9	4.0
27	38	42	4.5	1.3	4.9	4.0
28	44	38	4.0	1.2	4.8	4.0
29	38	36	6.0	1.1	4.8	NO
30	51	32	5.0	1.0	4.8	
31	---	32	---	1.0	4.8	RECORD
Mean	44.3	52.4	13.2	3.8	2.5	4.5
Runoff in acre-feet	1,400	3,220	783	233	154	253

* Lauer Reservoir turned on. Total for period 6,040 acre-feet

PLATE I

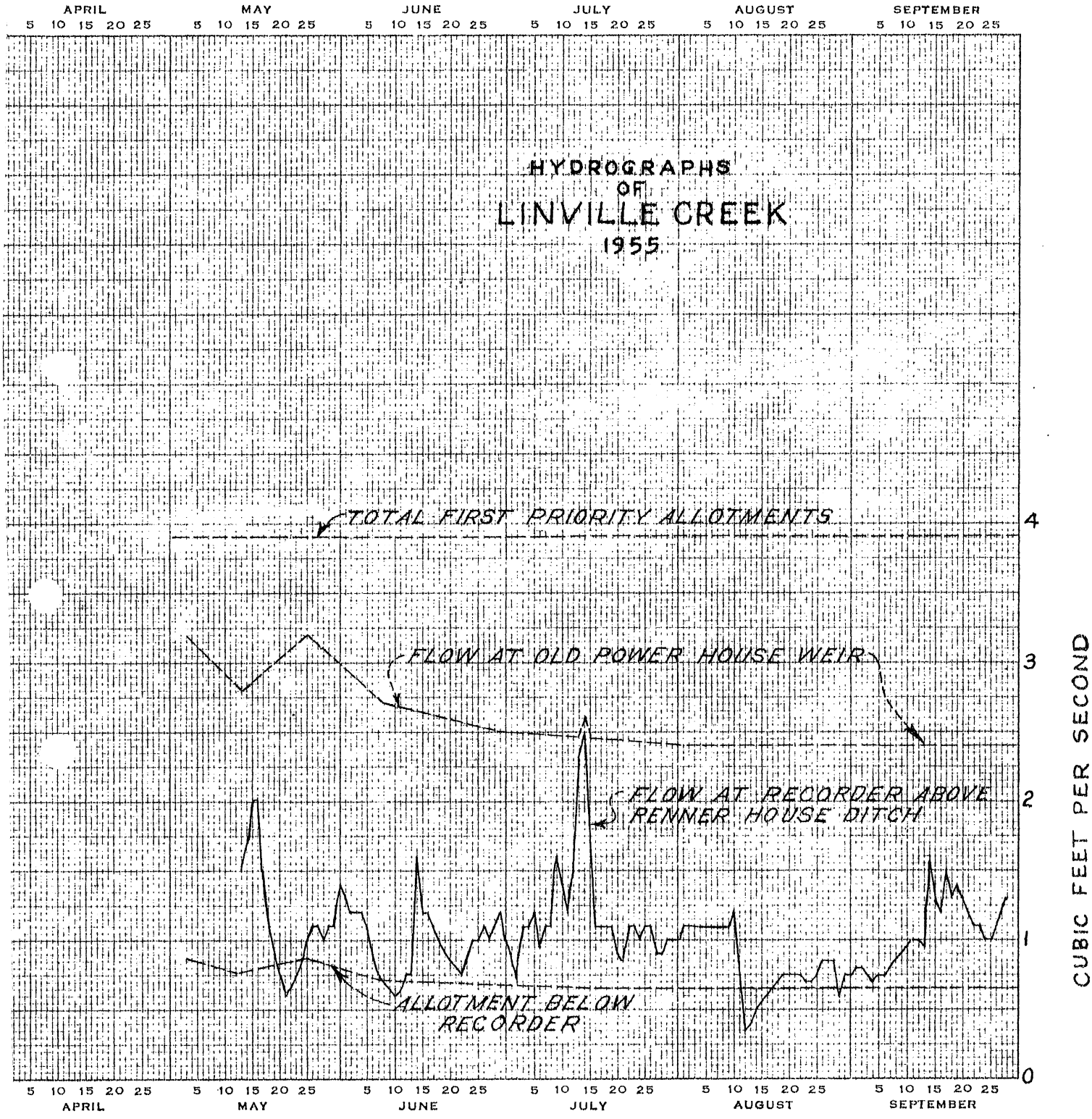

HYDROGRAPHS
OF
LINVILLE CREEK
1955
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
5 10 15 20 25
TOTAL FIRST PRIORITY ALLOTMENTS
FLOW AT OLD POWER HOUSE WEIR
FLOW AT RECORDER ABOVE RENNER HOUSE DITCH
ALLOTMENT BELOW RECORDER
0
1
2
3
4
CUBIC FEET PER SECOND

TABLE A-10

DAILY MEAN DISCHARGE OF PARKER CREEK AT FOGARTY RANCH

April 9, to September 20, 1956

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	85	64	22	4.3	3.0
2	O	95	62	25	4.5	3.0
3		93	60	21	5.0	3.0
4	R	112	67	19.1	5.5	3.3
5	E	110	62	18.3	5.5	3.3
	C					
6	O	110	55	16.6	5.7	2.9
7	R	121	49	15.9	5.5	2.9
8	D	112	47	14.2	5.2	2.9
9	103	101	45	13.6	4.8	2.9
10	106	125	42	13.6	4.5	3.0
11	111	157	39	16.6	4.8	3.3
12	100	147	37	16.6	4.3	3.5
13	101	142	32	17.9	4.5	3.7
14	106	141	63	17.0	4.8	3.9
15	106	126	53	16.2	4.8	3.9
16	106	119	41	15.0	3.7	3.9
17	102	111	36	13.6	1.6	4.0
18	103	106	29	12.2	2.0	4.5
19	112	105	45	11.8	3.0	9.6
20	116	103	41	11.5	3.0	7.6
21	120	112	33	10.2	2.3	N
22	123	117	30	8.8	2.0	O
23	125	113	27	9.4	2.0	
24	121	104	26	8.5	2.1	R
25	117	96	23	6.0	2.3	E
						C
26	110	90	21	2.3	2.5	O
27	112	79	19.1	3.3	2.7	R
28	106	76	17.9	3.0	3.0	D
29	95	72	22	2.5	3.0	
30	85	72	21	2.9	3.0	
31		67		3.5	3.0	
Mean	108	107	40	12.5	3.7	3.9
Runoff, in acre-feet	4724	6572	2392	768	228	155

Total for period - 14,840 acre-feet.

TABLE A-11

DAILY MEAN DISCHARGE OF SHIELDS CREEK BELOW PEPPERDINE RANCH

April 24, to September 25, 1956

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	4.4	5.8	5.0	2.5	2.5
2	O	5.2	7.2	5.4	2.6	2.3
3		5.2	7.2	5.0	2.9	2.3
4	R	7.2	8.7	4.6	3.4	2.3
5	E	7.4	8.4	4.6	3.6	2.2
6	C O	7.0	7.8	4.4	3.6	2.1
7	R	10.0	7.6	4.3	3.4	2.2
8	D	7.4	7.4	4.1	3.3	2.3
9		7.0	7.4	4.1	3.3	2.3
10		8.6	7.4	4.1	3.1	2.3
11		10.8	7.4	4.3	3.1	2.3
12		10.2	7.2	4.3	2.9	2.3
13		9.8	7.0	4.4	2.9	2.3
14		9.7	9.6	4.1	2.8	2.3
15		8.7	8.4	3.9	2.8	2.3
16		8.8	7.4	3.8	2.8	2.2
17		8.9	7.0	3.4	2.8	2.2
18		8.4	6.3	3.3	2.8	2.3
19		7.8	8.6	3.9	2.8	2.8
20		7.4	7.2	3.3	2.8	2.6
21		6.7	6.7	2.9	2.8	2.6
22		6.5	6.5	2.9	2.8	2.5
23		6.3	6.1	3.4	2.8	2.5
24	6.3	6.1	5.8	3.4	2.8	2.5
25	6.7	5.9	5.6	2.9	2.8	2.5
26	7.4	5.8	5.4	2.9	2.6	NO
27	8.0	5.4	5.2	2.9	2.6	
28	7.2	5.2	5.0	2.6	2.6	RECORD
29	5.9	4.6	4.8	2.2	2.5	
30	5.0	4.4	4.6	2.3	2.5	
31		4.4		2.3	2.5	
Mean	6.6	7.1	6.9	3.7	2.9	2.4
Runoff, in acre-feet	92	438	409	228	177	117

Total for period - 1,460 acre-feet.

TABLE A-12

DAILY MEAN DISCHARGE OF PARKER CREEK ABOVE HIGHWAY 395

April 18, to September 20, 1956

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	55	42	8.6	1.4	0.9
2	O	58	40	13.1	1.6	1.0
3		50	38	11.6	2.0	1.0
4	R	71	46	16.7	3.1	1.1
5	E	75	47	15.7	1.8	1.0
	C					
6	O	78	27	13.7	2.0	1.0
7	R	93	20	13.7	1.8	1.0
8	D	90	18.6	16.7	1.6	1.0
9		80	17.0	15.3	0.9	1.0
10		105	15.5	14.2	1.0	1.0
11		195	14.3	17.4	1.9	0.6
12		183	20	18.0	2.3	0.6
13		176	18.0	20	1.9	0.8
14		177	34	18.5	1.9	0.9
15		165	31	19.5	1.8	1.1
16		153	19.7	18.0	0.9	1.2
17		133	13.3	15.7	0.9	1.3
18	82	118	10.1	13.1	0.8	1.6
19	91	113	17.0	11.1	0.8	4.0
20	96	110	21	12.6	0.9	4.7
21	99	110	13.8	10.0	0.9	N
22	100	113	10.6	8.6	0.9	O
23	101	106	9.0	8.1	0.9	
24	97	86	8.1	7.2	0.9	R
25	91	69	7.3	3.5	0.9	E
						C
26	86	62	6.9	2.9	0.9	O
27	88	58	6.9	1.9	1.0	R
28	90	50	9.0	1.5	1.0	D
29	67	47	10.0	1.4	1.0	
30	61	47	10.5	1.4	1.0	
31		45		1.3	0.9	
Mean	88	99	20	11.3	1.3	1.3
Runoff, in acre-feet	228	608	1191	695	82	53

Total for period - 2860 acre-feet.

TABLE A-13

DAILY MEAN DISCHARGE OF NORTH FORK PIT RIVER BELOW THOMS CREEK

April 26, to September 21, 1956

In Cubic Feet per Second

Day	April	May	June	July	August	September
1	N	68	65	12.0	2.0	5.9
2	O	71	56	12.9	2.0	5.9
3		77	47	11.1	2.0	5.9
4	R	98	49	10.0	1.8	5.9
5	E	108	47	9.7	1.7	5.9
	C					
6	O	113	44	9.4	1.7	5.9
7	R	119	38	9.0	1.5	5.9
8	D	115	33	7.8	1.3	5.9
9		94	32	7.2	1.3	5.9
10		113	31	6.9	3.2	5.9
11		173	29	7.8	5.9	5.9
12		170	26	8.8	6.1	5.9
13		146	22	9.0	5.9	5.9
14		135	40	8.8	5.9	5.9
15		131	50	8.4	5.9	5.9
16		126	38	7.5	5.9	5.9
17		122	32	6.9	5.9	5.9
18		126	26	5.6	5.9	6.1
19		131	29	6.1	5.9	8.4
20		138	27	6.6	5.9	6.4
21		140	23	5.6	5.9	5.9
22		140	20	4.2	5.9	N
23		135	16.7	2.9	5.9	O
24		121	16.2	3.2	5.9	
25		103	15.2	45	5.9	R
						E
26	115	95	15.2	14.3	5.9	C
27	129	90	12.4	6.9	5.9	O
28	108	82	12.0	4.4	5.9	R
29	88	74	11.5	3.3	5.9	D
30	77	74	12.0	2.9	5.9	
31		69		2.5	5.9	
Mean	103	113	31	8.6	4.6	6.0
Runoff, in acre-feet	1024	6924	1812	528	282	252

Total for period - 10,820 acre-feet.

PLATE 1

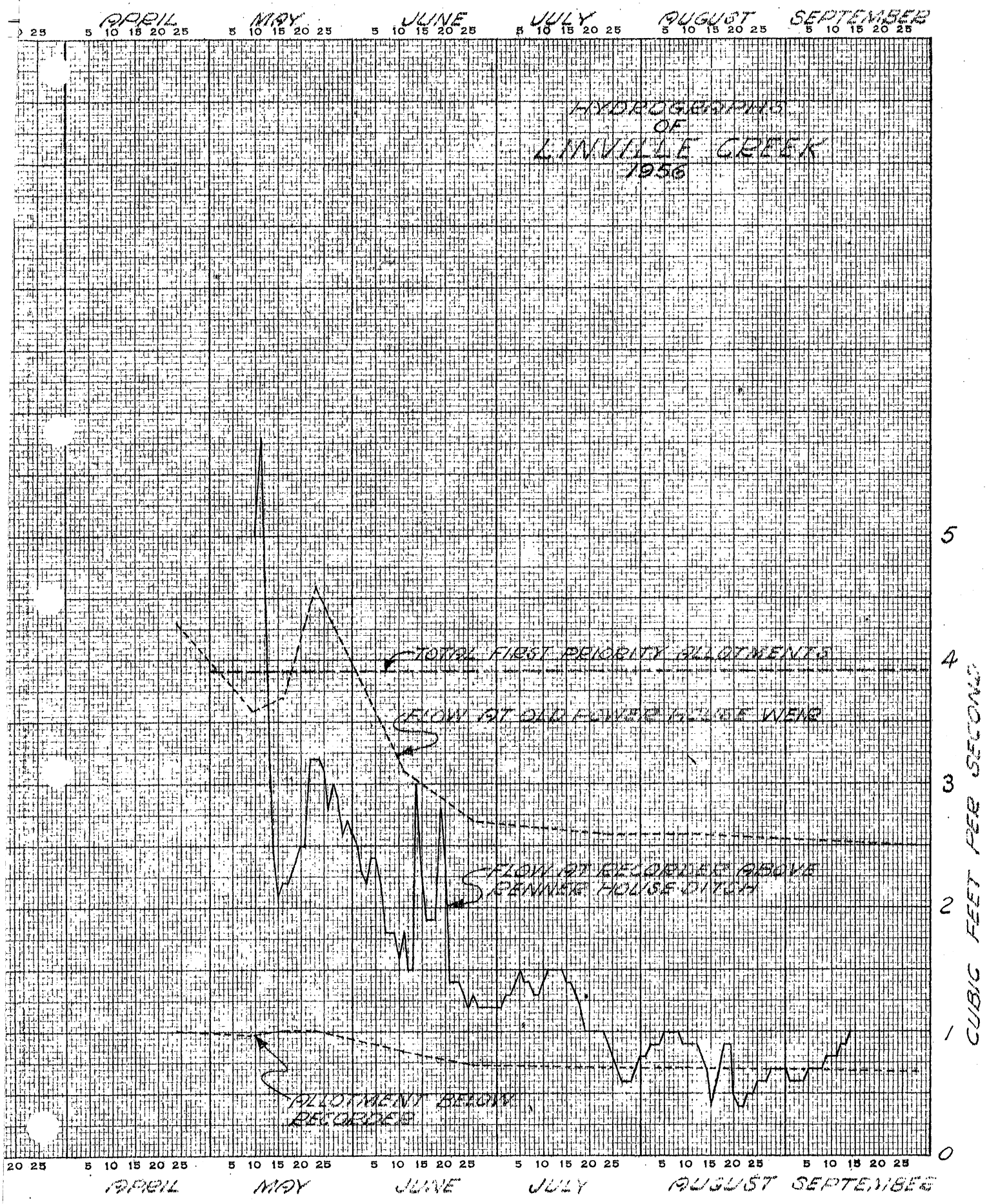

HYDROGRAPHS
OF
LINVILLE CREEK
1956
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
5 10 15 20 25
TOTAL FIRST PRIORITY ALLOTMENTS
FLOW AT OLD FLUME
FLOW AT RECORDER ABOVE
SPENNER HOUSE DITCH
ALLOTMENT BELOW
RECORDER
0
1
2
3
4
5
CUBIC FEET PER SECOND

PLATE 2

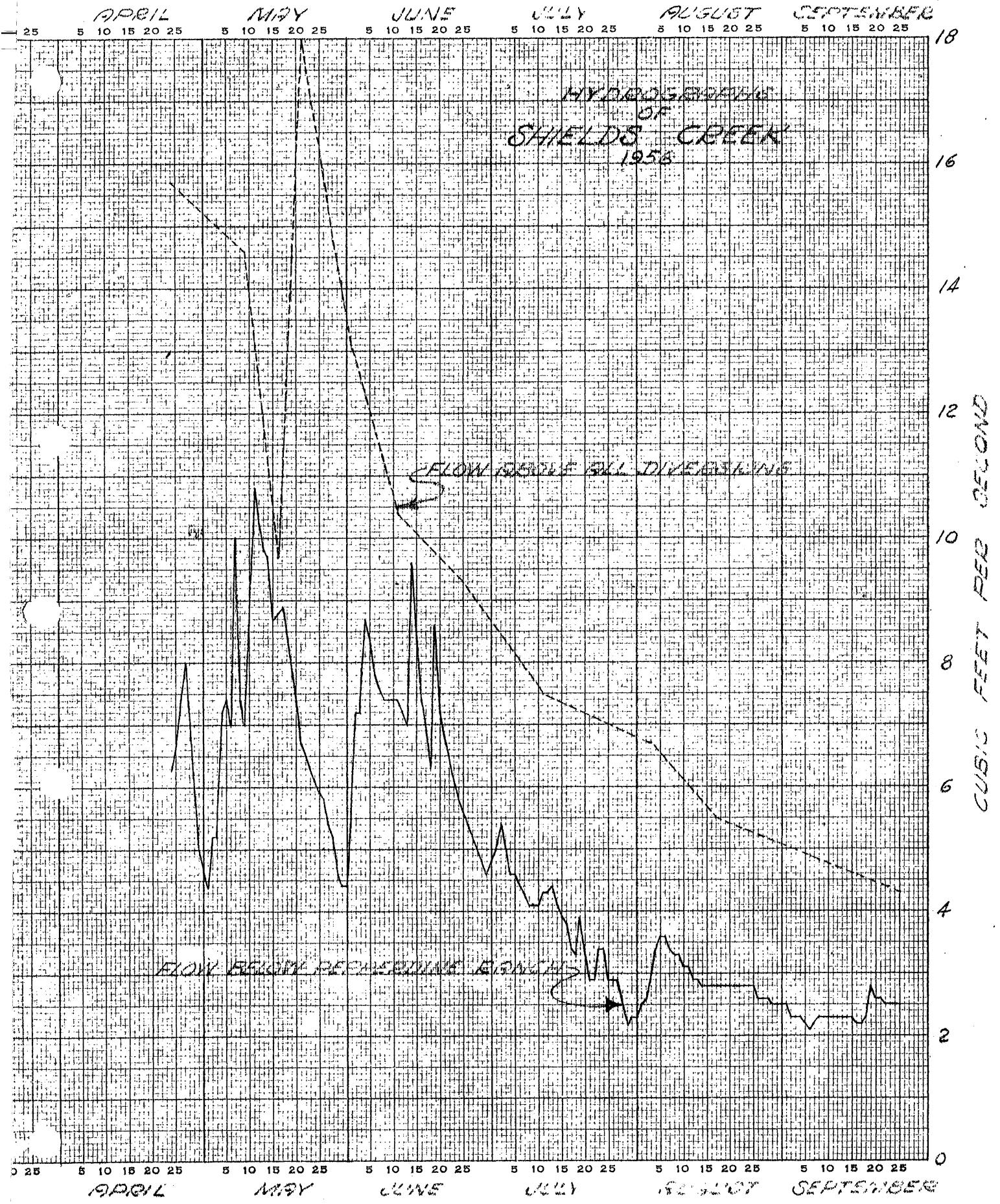
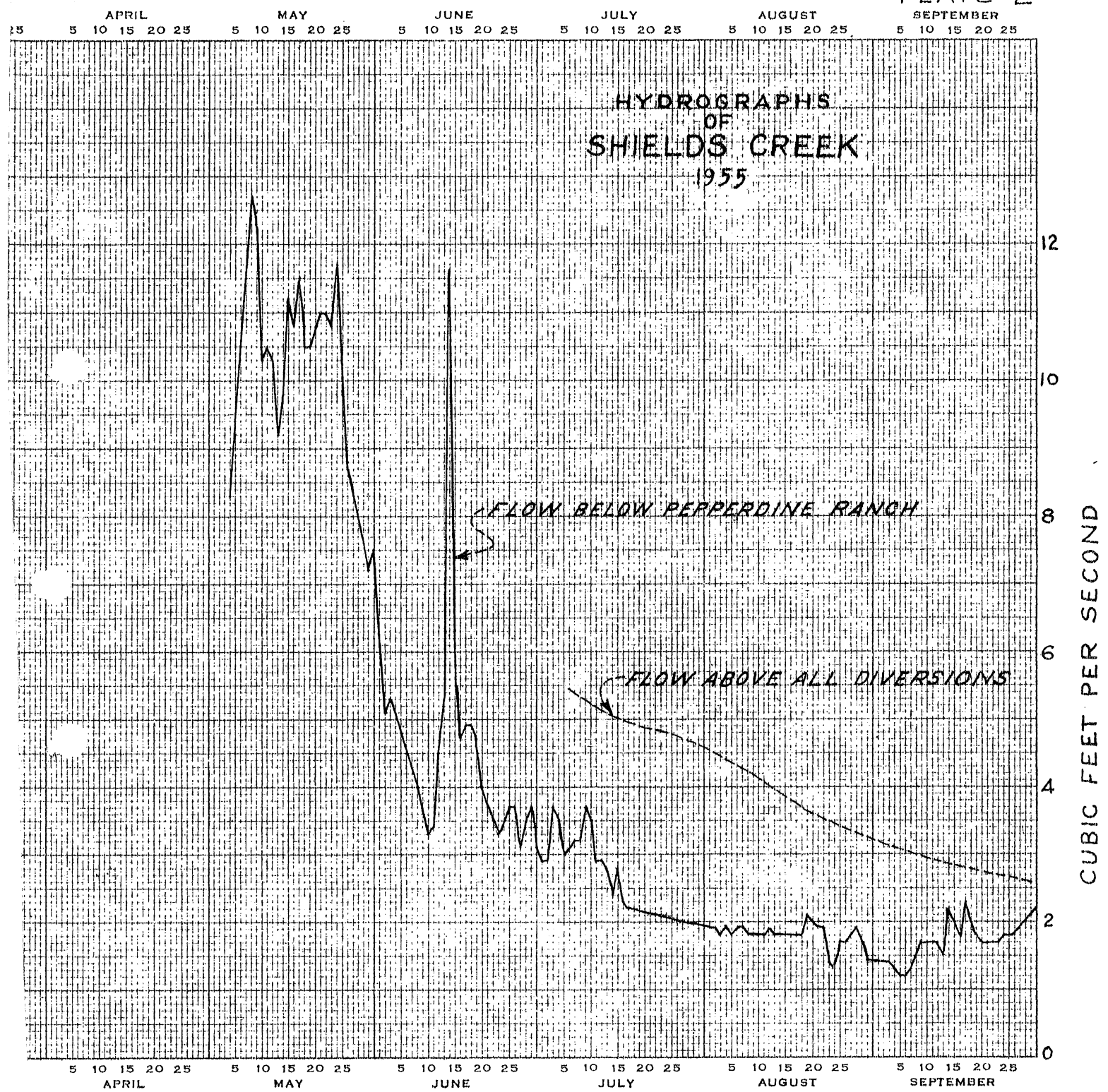

HYDROGRAPH
OF
SHIELDS CREEK
1958
FLOW BELOW ALL DIVERSIONS
FLOW BELOW RESERVOIR BANKING
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
CUBIC FEET PER SECOND
0
2
4
6
8
10
12
14
16
18

PLATE 2


HYDROGRAPHS
OF
SHIELDS CREEK
1955
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
5 10 15 20 25
FLOW BELOW PEPPERDINE RANCH
FLOW ABOVE ALL DIVERSIONS
0
2
4
6
8
10
12
CUBIC FEET PER SECOND