found by adding the flows in the North Fork Pit River at the Upper XL Dam and Parker Creek above Highway 395.

The flow in the North Fork Pit River commenced to fall off at an alarming rate about mid May, and by the end of June only stock water was available. As in other areas the hay crops in the Lower North Fork Area were short.

TABLE 1

DIVISION OF WATER RESOURCES

SNOW SURVEY - UPPER PIT RIVER

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
Eagle Peak Course - Elev. 7500 ft.											
Date of Survey	4/3	4/1	3/30	3/30	4/2	4/10	4/9	3/29	3/31	3/30	
Depth of Snow - Inches	24.3	13.3	43.8	38.1	9.9	66.1	52.0	47.3	71.3	27.2	
Water Content - Inches	11.0	5.2	18.7	14.3	3.3	22.6	22.0	17.5	23.6	10.4	
Density - Per cent	45.3	39.1	42.6	37.5	33.3	34.2	42.3	37.1	33.1	38.2	
Deduced Normal Water Content								20.0	20.0	20.0	
% of Deduced Normal	55.0	27.0	94.0	71.5	16.5	113.0	110.0	87.5	118.0	52.0	
Record Average - In.								14.32	15.35	14.8	
% of Record Average	78.0	36.3	131.0	100.0	23.0	158.0	154.0	122.0	153.7	70.5	
Cedar Peak Course - Elev. 7200 ft.											
Date of Survey	3/31	3/31	3/26	3/28	3/31	3/27	4/5	4/10	3/26	3/28	
Depth of Snow - In.	29.3	22.1	49.2	43.9	2.2	56.4	68.2	54.2	79.1	28.2	
Water Content - In.	13.0	8.0	19.8	16.3	0.9	21.1	26.2	21.6	25.2	10.5	
Density - Per cent	44.4	37.6	40.3	37.1	40.8	37.4	38.4	40.0	31.8	37.2	
Deduced Normal Water Content								22.2	22.2	22.2	
% of Deduced Normal	58.7	36.1	88.4	73.4	4.1	98.2	118.0	97.4	114.0	47.4	
Record Average - In.								15.9	16.9	16.3	
% of Record Average	82.0	50.4	118.0	102.5	5.7	133.0	165.0	136.0	149.1	6.44	
Adin Mountain Course Elev. 6500 ft.											
Date of Survey	3/27	3/27	3/24	3/27	4/1	4/17	3/26	4/7	4/8	3/31	
Depth of Snow - In.	13.3	6.1	30.0	37.6	0	45.9	47.2	37.4	61.4	17.5	
Water Content - In.	6.1	2.9	13.3	14.1	0	18.8	20.0	16.7	28.1	8.1	
Density - Per cent	45.6	47.3	44.3	37.5	0	40.9	42.3	44.8	45.8	46.2	
Deduced Normal Water Content								16.1	16.1	16.1	
% of Deduced Normal	37.9	18.0	82.5	87.6	0	116.6	124.3	104.0	174.	108.5	
Record Average - In.								11.5	13.3	12.8	
% of Record Average	53.0	25.2	115.6	122.5	0	163.7	174.0	145.2	211.3	63.3	

TABLE 2

Division of Water Resources

Precipitation-Upper Pit River

		Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Season
Jess Valley	1929 - 30			2.41	2.72	2.01	1.29	1.01	1.57	.13	.02	.05	1.94	
	1930 - 31	.90	1.19	.13	.80	.88	1.64	.39	1.01	.61	.00	.28	.46	8.29
Elev. 5400 Ft	1931 - 32	1.67	2.24	1.58	2.20	.74	2.45	3.37	2.64	.53	.11	.00	.08	17.61
	1932 - 33	.24	.52	1.64	3.09	.85	1.03	1.84	1.53	.19	.08	T	.72	11.73
	1933 - 34	.90	.07	1.14	1.36	1.58	2.04	.65	1.77	2.32	.11	.10	.40	12.44
	1934 - 35	.61	2.87	2.12	1.53	2.02	1.71	4.31	2.25	.00	T	.09	T	17.51
	1935 - 36	2.49	1.13	2.17	3.67	2.94	1.44	0.92	1.11	1.67	.38	.37	.91	19.20
	1936 - 37	.00	.00	1.06	2.78	2.43	1.72	1.83	.87	1.00	1.89	.00	.28	13.86
	1937 - 38	1.41	3.45	4.42	1.25	2.56	4.13	2.60	1.23	1.22	1.30	.00	.54	24.11
	1938 - 39	1.87	1.59	.40	1.66	1.87	1.54	.59	.81	.87	.80	.15	.60	12.75
	1939 - 40	1.72	0.01	2.41	2.17	3.06	2.54	2.86	0.15	0.37	0.10	0	2.71	18.10
	11 Yr. Record Mean	1.18	1.31	1.95	2.11	1.90	1.96	1.85	1.36	0.81	0.47	0.10	0.59	15.80
Alturas	1929 - 30	0.54	.00	1.60	2.24	1.77	1.14	0.64	0.90	0.10	T	0.03	1.00	9.96
	1930 - 31	1.15	0.57	0.23	0.67	0.67	1.03	0.46	0.06	0.57	.00	T	0.64	6.05
Elev. 4460 Ft	1931 - 32	1.33	1.54	2.50	1.65	0.46	1.10	1.51	1.26	0.29	T	T	T	11.64
	1932 - 33	0.07	0.33	1.53	3.12	0.23	0.70	1.44	1.08	0.24	0.31	0.70	0.42	10.17
	1933 - 34	1.00	.00	0.74	0.54	0.94	0.87	0.42	2.01	1.88	T	0.18	0.59	9.17
	1934 - 35	0.52	3.04	1.56	2.52	1.23	1.44	2.74	0.81	.00	0.12	T	0.03	14.01
	1935 - 36	1.22	0.57	1.54	4.93	2.95	0.72	0.56	1.03	0.82	0.19	0.18	0.49	15.20
	1936 - 37	0.01	0.03	0.96	2.05	2.44	1.63	0.97	0.27	0.30	0.15	.00	0.06	8.87
	1937 - 38	1.14	3.75	5.68	1.01	2.24	3.21	1.04	0.53	0.71	0.98	.00	0.43	20.72
	1938 - 39	1.56	0.98	0.07	1.07	0.45	0.98	0.28	0.38	0.36	0.78	0.08	0.57	7.56
	1939 - 40	2.00	0.02	1.60	1.70	3.08	1.98	1.03	0.27	0.05	.00	.00	0.37	12.10
	11 Yr. Record Mean	0.96	0.98	1.64	1.96	1.50	1.35	1.00	0.78	0.48	0.23	0.11	0.42	11.41
	31 Yr. Record Mean	0.88	1.15	1.32	1.82	1.38	1.45	1.19	0.91	0.59	0.40	0.23	0.57	11.89
Bieber	1929 - 30	.83	.00	4.51	3.78	2.75	.67	.92	1.54	.02	T	.20	1.25	16.47
	1930 - 31	.43	.90	.28	1.38	1.98	1.44	.26	1.37	.31	T	.04	.59	8.98
Elev. 4200 Ft	1931 - 32	2.25	1.18	4.09	1.94	.69	1.25	1.72	1.23	.20	.22	.00	T	14.77
	1932 - 33	.86	.73	1.78	3.39	.31	2.57	1.28	2.59	T	T	T	.42	13.93
	1933 - 34	2.16	.00	1.67	1.19	1.79	1.33	.12	1.93	.56	.21	.00	.50	11.46
	1934 - 35	1.05	3.23	1.89	2.38	1.60	2.91	4.75	1.01	.04	.02	.00	.04	18.92
	1935 - 36	1.96	.38	2.69	5.56	3.40	.95	.80	.81	.75	.10	.10	.54	18.04
	1936 - 37	.10	.00	1.70	2.03	5.05	1.85	1.46	.36	1.04	.18	.00	.10	13.87
	1937 - 38	2.10	5.30	5.46	1.82	4.62	6.59	1.01	0.54	0.60	0.70	.00	.45	29.19
	1938 - 39	1.30	.95	.59	1.83	.46	1.28	.68	.55	.31	.60	.00	.47	9.02
	1939 - 40	1.68	.02	3.53	2.84	5.64	3.50	1.19	1.19	0.04	0	0	1.46	21.09
	11 Yr. Record Mean	1.34	1.15	2.56	2.57	2.57	2.21	1.29	1.19	0.35	0.18	0.03	0.53	15.96

TABLE 3

LINVILLE CREEK AT POWER HOUSE
DAILY DISCHARGE IN CUBIC FEET PER SECOND
APRIL 8 TO SEPTEMBER 30, 1940

Day	April	May	June	July	August	September
1		2.8	2.5	2.4	2.4	2.4
2		2.8	2.5	2.4	2.4	2.4
3		2.9	2.5	2.4	2.4	2.4
4		2.8	2.5	2.4	2.4	2.4
5		2.8	2.5	2.4	2.4	2.4
6		2.8	2.5	2.4	2.4	2.4
7		2.8	2.5	2.4	2.4	2.4
8	2.9	2.8	2.5	2.4	2.4	2.4
9	2.8	2.8	2.5	2.4	2.4	2.4
10	2.8	2.8	2.5	2.4	2.4	2.4
11	2.8	2.8	2.5	2.4	2.4	2.4
12	2.8	2.8	2.5	2.4	2.4	2.4
13	2.8	2.8	2.5	2.4	2.4	2.4
14	2.8	2.8	2.5	2.4	2.4	2.4
15	2.8	2.8	2.5	2.4	2.4	2.4
16	2.8	2.8	2.5	2.4	2.4	2.4
17	2.8	2.8	2.5	2.4	2.3	2.4
18	2.8	2.8	2.5	2.4	2.2	2.4
19	2.8	2.8	2.5	2.4	2.2	2.4
20	2.8	2.7	2.5	2.4	2.2	2.4
21	2.8	2.5	2.5	2.4	2.2	2.4
22	2.8	2.5	2.5	2.4	2.2	2.4
23	2.8	2.5	2.5	2.4	2.3	2.4
24	2.8	2.5	2.4	2.4	2.3	2.4
25	2.8	2.5	2.4	2.4	2.3	2.4
26	2.8	2.5	2.4	2.4	2.3	2.4
27	2.8	2.5	2.4	2.4	2.3	2.4
28	2.8	2.5	2.4	2.4	2.3	2.4
29	2.8	2.5	2.4	2.4	2.3	2.4
30	2.8	2.5	2.4	2.4	2.3	2.4
31		2.5		2.4	2.4	
Total Sec. Ft. Days	64.5	83.5	74.3	74.4	72.5	72.0
Mean Sec. Ft.	2.8	2.7	2.5	2.4	2.3	2.4
Max. Sec. Ft.	2.9	2.9	2.5	2.4	2.4	2.4
Min. Sec. Ft.	2.8	2.5	2.4	2.4	2.2	2.4
Total Acre-Feet	128.	166.	147.	148.	144.	143.

TABLE 4

JOSEPH CREEK BELOW WILSON RANCH
DAILY DISCHARGE IN CUBIC FEET PER SECOND
APRIL 21 TO SEPTEMBER 30, 1940

Day	April	May	June	July	August	September
1		8.8	3.6	0.6	0.2	0.2
2		8.5	3.9	0.6	0.2	0.1
3		8.4	4.1	0.5	0.2	0.1
4		8.2	3.6	0.4	0.2	0.2
5		8.0	3.2	0.5	0.2	0.2
6		7.9	2.7	0.5	0.2	0.2
7		7.8	2.2	0.5	0.2	0.2
8		8.3	2.2	0.4		0.2
9		9.4	2.0	0.3	0.2	0.2
10		11.8	1.6	0.2	0.2	0.3
11		12.0	1.4	0.2	0.2	0.3
12		10.5	1.3	0.4	0.2	0.3
13		10.0	1.2	0.5	0.2	0.3
14		10.0	1.1	0.6	0.2	0.3
15		9.6	1.0	0.8	0.2	0.4
16		8.9	0.9	0.6	0.2	0.4
17		8.8	0.9	0.7	0.2	
18		8.3	1.0	0.8	0.1	0.4
19		7.4	1.0	0.8	0.1	
20		7.0	1.1	0.8	0.1	0.4
21	11.7	6.9	1.0	0.8	0.1	0.4
22	11.0	7.0	0.0	0.6	0.1	0.4
23	10.9	6.9	0.9	0.6	0.2	0.4
24	10.5	6.7	0.8	0.8	0.2	0.4
25	9.8	6.4	0.8	0.5	0.2	0.4
26	9.5	5.4	0.7	0.6	0.2	0.4
27	9.2	4.2	0.6	0.7	0.2	0.4
28	9.0	4.4	0.6	0.6	0.2	0.4
29	9.0	4.1	0.7	0.6	0.2	0.4
30	8.9	3.9	0.7	0.4	0.2	0.4
31		3.6		0.2	0.2	
Total Sec. Ft. Days	99.5	239.1	47.8	17.1	5.6	9.5
Mean Sec. Ft.	10.0	7.7	1.6	0.6	0.1	0.3
Max. Sec. Ft.	11.7	12.0	4.1	0.8	0.2	0.4
Min. Sec. Ft.	8.9	3.9	0.6	0.2	0.1	0.1
Total Acre-Feet	197.	474.	95.	34.	11.	19.

TABLE 5

THOMS CREEK AT HIGHWAY CROSSING
DAILY DISCHARGE IN CUBIC FEET PER SECOND
APRIL 20 TO JULY 17, 1940

Day	April	May	June	July	August	September
1		14.4	3.1	0.3		
2		14.5	3.2	0.3		
3		13.7	3.0	0.3		
4		14.3	3.0	0.3		
5		14.0	2.4	0.4		
6		13.0	2.4	0.3		
7		11.5	2.4	0.3		
8		11.4	2.4	0.3		
9		12.0	2.3	0.2		
10		12.0	2.0	0.2		
11		12.0	2.1	0.2		
12		12.2	1.7	0.2		
13		11.2	1.3	0.2		
14		9.2	1.2	0.1		
15		8.8	1.0	0.1		
16		8.0	1.0	0.1		
17		7.6	0.8	0.1		
18		7.0	0.7	0.0		
19		5.3	0.7	0.0		
20	17.0	5.2	0.7			
21	22.0	5.2	0.6			
22	25.0	5.0	0.6			
23	25.0	4.5	0.7			
24	23.0	3.8	0.7			
25	21.0	3.4	0.4			
26	19.5	3.3	0.3			
27	15.5	3.3	0.3			
28	18.0	3.3	0.3			
29	15.2	3.3	0.3			
30	15.0	3.1	0.3			
31		3.1				
Total Sec. Ft. Days	216.2	258.6	41.9	3.9		
Mean Sec. Ft.	19.6	8.3	1.4	0.2		
Max. Sec. Ft.	25.0	14.5	3.2	0.4		
Min. Sec. Ft.	15.0	3.1	0.3	0.0		
Total Acre-Feet	429.	513.	83.	8.		

TABLE 6

GLEASON CREEK AT JONES' RANCH - 1940
FLOW IN CUBIC FEET PER SECOND
APRIL 19 TO JUNE 30

Day	April	May	June
1		1.53	
2			
3			
4			
5			
6			
7		1.19	
8			0.15
9			
10		0.93	
11			
12			
13			
14			
15		0.69	0.15
16			
17			
18			
19	3.42		
20			0.10
21			
22		0.41	
23	1.53		
24	1.46	0.18	
25			0.06
26			
27			
28	1.61		
29	1.61	0.15	
30			0.05
31			

TABLE 7

SHIELDS CREEK AT LOWER WEIR (PEPPERDINE RANCH)
DAILY DISCHARGE IN CUBIC FEET PER SECOND
APRIL 20 TO SEPTEMBER 30, 1940

Day	April	May	June	July	August	September
1		6.4	4.8	3.4	1.7	1.8
2		7.0	5.0	3.3	1.8	1.8
3		7.6	4.8	3.0	1.9	1.9
4		8.2	4.5	2.5	1.9	2.0
5		7.7	4.2	2.3	1.8	2.1
6		7.2	4.5	2.0	1.8	2.2
7		6.8	4.7	1.9	1.9	2.1
8		6.4	4.9	2.1	1.9	1.9
9		6.0	2.3	2.2	1.9	2.7
10		6.1	4.3	2.2	1.9	2.3
11		6.2	3.7	2.4	1.9	2.1
12		6.2	3.5	2.8	1.8	2.1
13		6.3	3.1	3.2	1.8	1.8
14		6.4	2.8	3.3	1.8	1.9
15		7.7	2.6	3.4	1.8	1.9
16		7.0	2.8	3.6	2.1	2.1
17		6.4	3.0	3.4	2.0	2.1
18		5.8	3.0	3.4	2.0	8.5
19		5.2	3.2	3.4	1.8	5.4
20	10.0	4.6	3.3	3.5	1.6	3.7
21	10.0	5.7	2.8	3.5	1.8	3.4
22	9.9	5.3	2.8	3.4	1.9	3.3
23	9.9	4.8	2.5	3.1	1.9	1.9
24	9.8	4.3	2.3	3.2	2.1	1.8
25	9.8	4.3	2.4	3.0	2.1	1.8
26	8.9	4.2	2.4	2.2	2.1	1.8
27	8.0	4.2	2.3	2.3	2.0	1.9
28	9.0	4.6	2.4	2.7	2.0	1.9
29	9.7	5.0	3.1	2.1	1.9	2.0
30	8.0	4.8	3.6	1.4	1.8	1.9
31		5.6		1.7	1.9	
Total Sec. Ft. Days	103.0	184.0	101.6	85.9	58.6	74.1
Mean Sec. Ft.		5.9	3.4	2.8	1.9	2.5
Max. Sec. Ft.		8.2	5.0	9.6	2.1	8.5
Min. Sec. Ft.		4.2	2.3	1.4	1.6	1.8
Total Acre-Feet		365	202	170	116	147

TABLE 8

PARKER CREEK AT FOGARTY RANCH
DAILY DISCHARGE IN CUBIC FEET PER SECOND
APRIL 9 TO SEPTEMBER 30, 1940

Day	April	May	June	July	August	September
1		47	16.0	3.4	0.9	1.6
2		47	15.0	3.1	1.2	1.7
3		46	15.0	3.1	1.3	1.8
4		46	14.0	3.1	1.2	2.0
5		49	14.0	3.1	1.1	2.2
6		39	13.0	3.1	1.1	2.2
7		37	13.0	2.9	1.3	2.0
8		36	12.0	2.9	1.2	1.9
9	55	34	11.0	2.7	1.0	2.9
10	57	34	8.8	2.9	1.0	4.1
11	57	33	8.8	3.1	0.8	2.7
12	57	33	6.1	2.9	0.8	2.5
13	60	33	6.4	3.3	0.9	2.4
14	70	33	6.4	3.3	1.0	2.4
15	78	32	5.6	3.4	1.0	2.4
16	67	31	5.1	3.8	1.1	2.9
17	56	29	4.6	3.8	1.1	3.1
18	59	26	4.3	3.8	1.0	11.7
19	59	26	4.1	3.8	1.0	8.8
20	59	24	5.1	3.8	0.9	4.8
21	59	24	4.6	3.8	1.0	3.8
22	59	23	3.4	3.8	1.1	3.4
23	59	23	2.9	3.8	1.2	2.9
24	57	22	2.5	3.8	1.4	2.4
25	54	22	2.4	3.4	1.8	2.2
26	51	20	2.0	2.4	1.7	2.0
27	48	19	1.8	1.5	1.6	1.9
28	46	19	1.7	1.5	1.5	1.9
29	54	18	1.7	1.5	1.5	1.8
30	46	17	2.9	1.1	1.5	1.8
31		16		0.8	1.6	
Total Sec. Ft. Days	1267	932	214.0	92.5	36.8	90.2
Mean Sec. Ft.		31	7.1	3.0	1.2	3.0
Max. Sec. Ft.		47	16.0	3.8	1.8	11.7
Min. Sec. Ft.		16	1.7	0.8	0.8	1.6
Total Acre-Feet	2510	1850	425	183	73.0	179

TABLE 9

PARKER CREEK ABOVE HIGHWAY #395
DAILY DISCHARGE IN CUBIC FEET PER SECOND
APRIL 8 to JULY 31, 1940

Day	April	May	June	July
1		17.3	8.0	0.7
2		13.4	8.4	0.8
3		12.0	8.4	0.6
4		9.6	8.0	0.6
5		8.8	8.0	0.6
6		8.0	7.7	0.6
7		6.8	7.1	0.4
8	50	6.2	6.8	0.3
9	49	5.9	6.5	0.3
10	48	9.2	5.6	0.3
11	46	12.9	4.6	0.3
12	45	14.4	4.0	0.2
13	24	12.9	3.2	0.2
14	31	11.2	2.9	0.2
15	44	12.5	2.6	0
16	38	11.6	2.2	0
17	30	9.6	2.0	0
18	28	8.8	1.9	0.3
19	29	9.6	1.7	0.3
20	31	8.4	1.7	0.2
21	26	7.7	1.5	0.2
22	27	8.4	1.4	0.2
23	23	8.8	1.4	0.2
24	22	8.8	1.1	0.2
25	22	8.8	1.0	0.2
26	22	8.8	0.9	0.2
27	21	9.2	0.8	0.1
28	21	7.7	0.8	0.1
29	21	7.7	0.8	0.1
30	18	7.7	0.7	0.1
31		7.7		0.1
Total Sec. Ft. Days	716	300.4	111.7	8.6
Mean Sec. Ft.		9.7	3.7	0.3
Max. Sec. Ft.		17.3	8.4	0.8
Min. Sec. Ft.		6.2	0.7	0
Total Acre-Feet		596	222	17.1

TABLE 10

NORTH FORK OF PIT RIVER AT UPPER XL DAM
DAILY DISCHARGE IN CUBIC FEET PER SECOND
APRIL 5 TO SEPTEMBER 30, 1940

(Data includes Lauer Reservoir releases)

Day	April	May	June	July	August	September
1		36	7	3	2.0	0.5
2		31	11	3	2.0	0.5
3		33	8.5	3	2.0	0.5
4		36	9.5	3	1.5	0.5
5	86	36	7.5	3	1.5	0.5
6	76	30	7	3	1.5	0.5
7	73	24	6.5	3	1.5	0.5
8	71	21	6	3	1.5	0.5
9	71	19	5.5	2.5	1.5	0.5
10	66	16	5.5	2.5	1.5	0.5
11	63	17	5	2.5	1.5	0.5
12	60	20	4.5	2.5	1.5	0.5
13	61	20	3.5	2.5	1.5	0.5
14	69	19	3.5	2.5	1.5	0.5
15	68	20	4	2.5	1.5	0.5
16	63	19	4	2.5	1.5	0.5
17	56	16	3.5	2.5	1.5	0.5
18	51	14	5	2.5	1.5	1.0
19	51	14	5	2	1.5	1.0
20	53	11	5	2	1.5	0.5
21	47	8.5	5	2	1.5	0.5
22	42	7.5	5	2	1.5	0.5
23	40	7	5	2	1.5	0.5
24	37	6.5	4.5	2	1.5	0.5
25	45	7	4.5	2	1.5	0.5
26	38	6.5	2.5	2	1.0	0.5
27	32	7	2.5	2	1.0	0.5
28	32	6.5	2.5	2	0.5	0.5
29	40	7	2.5	2	0.5	0.5
30	37	6	3	2	0.5	0.5
31		6.5		2	0.5	
Total Sec. Ft. Days	1428	528	154	75.0	43.0	16.0
Mean Sec. Ft.		17	5.0	2.1	1.4	0.5
Runoff in acre-feet		1047	305	149	85.3	31.7
Max. Sec. Ft.		36	11	3	2.0	1.0
Min. Sec. Ft.		6	2.5	2	0.5	0.5