

THE 1915 MAY RIVER:

By Table 111 (Wentz Report 1914) the mean May Provo River is 976 second feet; the mean maximum river is 1,215 second feet and occurs on the 24th day of the month; the mean minimum river is 717 second feet and occurs on the 3rd of the month.

The 1915 May river mean is 356 second feet, or 620 second feet less than the mean river; the maximum is 604 second feet occurring on the 1st day of the month is 611 second feet less than the mean maximum; the minimum is 238 second feet occurring on the 13 & 14th days of the month and is 479 second feet less than the mean minimum river.

And by Table 1, (Wentz Report 1914) and using the whole period 1889 to 1915, the average mean May river is 1,171 second feet, the average maximum river is 942 second feet, the average minimum is 700 second feet, the maximum is 4,180 second feet occurring in 1896 and the minimum river is 341 second feet occurring in the year 1905.

And comparing the 1915 May River with the river for the period from 1889 to 1915 we have:-
The 1915 May river mean is 356 second feet or 815 second feet less than the mean river; the maximum is 604 second feet occurring on the 1st day of the month and is 3576 second feet less than the Maximum, and is 338 second feet less than the average maximum; the minimum is 238 second feet occurring on the 13 & 14th day of the month and is 103 second feet less than the minimum and 462 second feet less than the average minimum.

And by Table 11, (Wentz Report 1914) the

maximum number of days the river is 100-200 second feet is 00-- the 1915 river is 00; the maximum number of days the river is 200-300 second feet is 0-- the 1915 river is 10 days; the maximum number of days the river is 300-400 second feet is 9-- the 1915 river 13 days; the maximum number of days the river is 400-500 second feet is 9-- the 1915 river is 6 days; the maximum number of days the river is above 500 second feet is 31-- the 1915 is 2 days.

The minimum number of days the river is 100-200 second feet is 0--the 1915 river is 0; the minimum number of days the river is 200-300 second feet is 0--the 1915 river is 10 days; the minimum number of days the river is 300-400 second feet is 0--the 1915 river is 13 days; the minimum number of days the river is 400-500 second feet is 0--the 1915 river is 6 days the minimum number of days the river is above 500 second feet is 13--the 1915 river is 2 days.

The average number of days the river is 100-200 second feet is 0--the 1915 river is 0; the average number of days the river is 200-300 second feet is 0--the 1915 river is 10 days; the average number of days the river is 300-400 second feet is 1--the 1915 river is 13 days; the average number of days the river is 400-500 second feet is 1.7--the 1915 river is 6 days; the average number of days the river is above 500 second feet is 28.3--the 1915 river is 2 days.

It will be noted that prior to 1915 and since 1889 there has been but ten days that the river has receded, in the month of May, below 400 second feet,

and that the minimum of 341 second feet occurred on May 16th 1905, and this minimum was only for one day, and there has been no time the river has receded to 300 second feet and on the average one day below 400 second feet, 1.7 days 400-500 second feet, and 28.3 days above 500 second feet.

On Plate 111 (Wentz Report 1914) copy, I have shown in red ink the 1915 river: note the divergence from the mean in discharge and time. it goes without saying the 1915 May river is an exception in every respect, and should not be considered as a basis for any determination, or as an occurrence that should be provided for, it is an exception without a parallel in our history of observations and memory, awaiting the time when a typical Provo River shall have been deduced it will be well for all interested parties to not lay too much stress on anything below the mean minimum river.

Also Note: The 1915 May River was 38,440 acre feet short of the Mean River. (Table 111 Wentz Report 1914.)

P R O V O R I V E R
M A Y L 1 9 1 5 .

Based on observations of the United States Geological Survey made at the Station in Provo Canyon.

Date	River	S.Fork	Inflow (Assumed)	Total
1	528	36	40	604
2	484	36	40	560
3	419	36	40	495
4	360	34	40	436
5	298	34	40	372
6	242	33	40	315
7	226	33	40	299
8	219	33	40	292
9	194	33	40	267
10	187	33	40	260
11	180	29	40	249
12	175	29	40	244
13	170	28	40	238
14	170	28	40	238
15	219	28 27	40	288 (286)
16	222	27 22	40	284
17	265	27	40	332
18	412	28	40	480
19	363	30	40	433
20	322	32	40	394
21	328	28	40	396
22	290	28	40	358
23	270	28	40	338
24	239	29	40	308
25	254	30	40	314
26	301	32	40	373
27	278	32	40	350
28	257	32	40	329
29	257	30	40	319(319)
30	334	32	40	406
31	374	32	40	446
Total	8837	956	1240	
Mean	285	30.8	40	
Max	528	36		
Min	170	22		

Note: Forty (40) second feet is added to the observed flow, which is intended to give the Natural Provo River in the Utah Valley the amount available for irrigation and power.

Grand Total 11,033 Total acre ft. 21,354.

Maximum 604 second feet.
Minimum 238 " "
Mean 356