

THE 1915 SEPTEMBER RIVER.

By Table III Wentz Report 1914, the mean Prove River is 302 second feet the mean maximum river is 323 second feet and occurs on the 30th day of the month; the mean minimum river is 283 second feet and occurs on the 22nd day of the month.

The 1915 September river mean is 252 second feet, or 50 second feet less than the mean river; the maximum is 293 second feet, occurring on the 26th day of the month, and is 30 second feet less than the mean maximum; the minimum is 200 second feet, occurring on the 1st day of the month and is 83 second feet less than the mean minimum river.

And by Table I Wentz Report 1914, and using the whole period 1889 to 1915, the average mean September river is 285 second feet, the average maximum river is 340 second feet, the average minimum river is 250 second feet, the maximum river is 680 second feet occurring in 1909, and the minimum river is 137 second feet occurring in 1898.

And comparing the 1915 ~~river~~ September river with the period from 1889 to 1915 we have:- The 1915 September mean is 252 second feet-- 33 second feet less than the average mean river; the maximum is 293 second feet, and is 387 second feet less than the maximum, and is 47 second feet less than the average maximum; the minimum is 200 second feet, and is 63 second feet greater than the minimum, and is 50 second feet less than the average minimum.

And by Table I Wentz Report 1914, the maximum number of days the river is 100-200 second feet is 29--the 1915 river is 0; the maximum number of days the river is 200-300 second feet is 30--the 1915 river is 30; the maximum number of days the river is 300-400 second feet is 30-- the 1915 river is 0; the maximum number of days the river is 400-500 second feet is 26--the 1915 river is 0; the maximum number of days the river is above 500 second feet is 2--the 1915 river is 0.

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 30; the minimum number of days the river is 300-400 second feet is 0--the 1915 is 0; the minimum number of days the river is 400-500 second feet is 0--the 1915 river is 0; the minimum number of days the river is above 500 second feet is 0--the 1915 river is 0.

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The average number of days the river is 100-200 second feet is 5.4- the 1915 river is 0; the average number of days the river is 200-300 second feet is 12.8--the 1915 river is 30; the average number of days the river is 300-400 second feet is 5.9-the 1915 river is 0; the average number of days the river is 400-500 second feet is 3.4-the 1915 river is 0; the average number of days the river is above 500 second feet is 2.5-the 1915 river is 0.

On a copy of Plate III Wentz Report 1914 ,I have shown in red the 1915 river.

You will also note in the summary and discussion of the 1915 river that the inflow below the U.S.G.S.Station is greater than 40 second feet, this fact is also illustrated on the hydrograph.

The 1915 September river was 3,000 acre feet short of the mean river (Table III Wentz Report 1914)

PROVO RIVER

SEPTEMBER 1915.

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

Date	River	S.Ferk	Inflow (Assumed)	Diverted to River	Total Nat. River.
1	155	33	40	28	200
2	164	34	"	"	210
3	175	39	"	"	226
4	187	36	"	"	235
5	185	34	"	"	231
6	178	34	"	10	242
7	168	34	"	"	232
8	164	34	"	"	228
9	164	34	"	"	228
10	192	36	"	"	258
11	205	36	"	"	271
12	210	36	"	"	276
13	196	34	"	"	260
14	194	34	"	"	258
15	192	34	"	"	256
16	187	36	"	"	253
17	187	36	"	"	253
18	187	36	"	"	253
19	187	36	"	"	253
20	189	34	"	"	253
21	187	34	"	"	251
22	192	36	"	"	258
23	187	31	"	"	248
24	187	33	"	"	250
25	201	33	"	"	264
26	228	35	"	"	293
27	225	31	"	"	286
28	212	31	"	"	273
29	210	34	"	"	274
30	210	34	"	"	274
Totals	5705	1032	1200	390	7547
Max	228	39			
Min	155	31			
Mean	190	34.4			

Note:- Forty(40) second feet is added to observed flow for inflow below station, and 28 second feet is deducted from Sept. 1st. to 5th, and 10 second feet from 5th to 30th, for amount turned by the Wasatch Dam by the prove Reservoir Co. and the Sege. Irrigation co. the result is intended to represent the (Comparative) Natural Provo River in the Utah Valley.

Grand total 7547 Total acre feet 15,094.

Maximum 293 second feet.  
 Minimum 200 " "  
 Mean 252 " "