

THE 1915 AUGUST RIVER.

By Table III Wentz Report 1914 the Mean Provo River is 278 second feet ; the mean Maximum river is 305 second feet; and occurs on the 1st day of the month; the mean minimum river is 257 second feet and occurs on the 18th day of the month.

The 1915 August river mean is 211 second feet or 67 second feet less than the mean river; the maximum is 219 second feet occurring on the 18th day of the month, and is 86 second feet less than the mean maximum; the minimum is 200 second feet occurring on the the 21st and 22nd day of the month and is 57 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 August River is 267 second feet; the average maximum river is 312 second feet; the average minimum river is 243 second feet; the maximum is 498 second feet occurring in 1907; and the minimum river is 148 second feet occurring in 1911.

And comparing the 1915 August river with the period from 1889 to 1915 we have:- The 1915 August river mean is 211 second feet or 56 second feet less than the mean river; the maximum is 219 second feet and is 279 second feet less than the maximum, and 93 second feet less than the average maximum; the minimum is 200 second feet and is 52 second greater than the minimum and 43 second feet less than the average minimum.

And by Table II Wentz Report 1914, the maximum number of days the river is 100-200 second feet is 30-- the 1915 river is 0; the maximum number of days the river is 200-300 second feet is 31-- the 1915 river is 31; the maximum number of days the river is 300-400 second feet is 31--the 1915 river is 0; the maximum number of days the river is 400-500 second feet is 19-- the 1915 river is 0; the maximum number of days the river is above 500 second feet is 1--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 31; the minimum number of days the river is 300-400 second feet is 0--the 1915 river is 0; then 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.

THE 1915 AUGUST RIVER 2.

The average number of days the river is 100-200 second feet is 3.4-- the 1915 river is 0; the average number of days the rivers is 200-300 second feet is 15.2--the 1915 river is 31; the average number of days the river is 300-400 second feet is 8.6--the 1915 river is 0; the average number of days the river is 400-500 second feet is 3.7--the 1915 river is 0; the average number of days the river is above 500 second feet is 0.1-- 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 August river was 4,154 acre feet short of the mean river. (Table III Wentz Report 1914)

PROVO RIVER

AUGUST 1915.

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

Date	River	S.Fork	Inflow (Assumed)	Diverted to River	Total Nat. River.
1	175	29	40	33	211
2	175	28	"	"	210
3	180	28	"	"	215
4	178	31	"	"	216
5	178	30	"	"	213
6	175	30	"	"	212
7	178	28	"	"	213
8	173	30	"	"	210
9	170	28	"	"	205
10	168	30	"	"	205
11	173	30	"	"	210
12	170	30	"	"	207
13	168	31	"	"	206
14	168	34	"	"	209
15	168	34	"	28	<del>202</del> 214
16	168	33	"	"	213
17	168	28	"	"	208
18	173	34	"	"	219
19	168	31	"	"	211
20	166	31	"	"	209
21	164	24	"	"	200
22	164	24	"	"	200
23	166	27	"	"	205
24	168	27	"	"	207
25	168	27	"	"	207
26	168	33	"	"	213
27	168	33	"	"	213
28	166	33	"	"	211
29	168	31	"	"	211
30	168	33	"	"	213
31	168	36	"	"	216
Total	5276	936	1240	910	6542
Max.	180	36			
Min	164	24			
Mean	170	34.4			

Note: Forty(40) second feet is added to observed flow, for assumed inflow below station, and 33 second feet is ~~xxxx~~ is deducted from August 1st to 15th, and 28 second feet from August 15th to 31st, for amount turned by the Wasatch Dam by The Provo Reservoir Co. and the Sege Irrigation Co., the result is intended to represent the (Comparative) Natural Provo River.

Grand Total 6542 Total Acre Feet 13084

Maximum 219 Second feet.  
 Minimum 200 " "  
 Mean 211 " "