

P R O V O R I V E R

A P R I L ; M A Y , J U N E , J U L Y , A U G U S T , S E T E M B E R
 1 9 1 5 .

S U M M A R Y .

THE PERIOD APRIL 1ST. TO OCTOBER 1ST. 1915.

By Table III Wentz Report 1914 the mean river is 633 second feet; the mean maximum is 1555 second feet occurring on the 7th day of June; the mean minimum is 257 second feet occurring on the 18th day of August.

The 1915 Mean river is 355 second feet, or 278 second feet less ~~xxx~~ than the mean river; the maximum is 784 second feet -- 771 second feet less than the mean maximum; the minimum is 200 second feet -- 57 second feet less than the mean minimum.

And By Table I Wentz Report 1915 and using the whole period 1889 to 1915 the average mean river is 652 second feet; the average maximum is 859 second feet; the average minimum is 425 second feet; the maximum is 4180; the minimum is 137 second feet.

And comparing the 1915 river with the period 1889 to 1915 we have:-
 The 1915 mean river is 355 second feet -- 297 second feet less than the average mean; the 1915 maximum is 784 second feet-- 75 second feet less than the average maximum, and 3396 second feet less than the maximum; the 1915 minimum is 200 second feet-- 225 second feet less than the average minimum, and 63 second feet greater than the minimum.

And by Table III Wentz Report 1915 The number of days the river is above 500 second feet is 102 days-- the 1915 river was above ~~the~~ 500 ^{is} second feet was but 35 days; the number of days the ~~1915~~ river ~~was~~ above 400 ~~200~~ second feet is 109-- the 1915 river was above 400 second feet but 61 days.

The 1915 River from April 1st to October 1st, was 102,000 acre feet short of the mean river. (By Table III Wentz Report 1914)

Wivian Park Resort

PROVO CANYON
OPEN ALL THE YEAR

J.F.
Mr. Roy W. Wootley

PROVO, UTAH

7 am 7 am
July 19th to 20th

| | | |
|-----------------------|--------|-----|
| July 19 th | 7 am | 080 |
| | 8 | 080 |
| | 9 | 081 |
| | 10 | 081 |
| | 11 | 081 |
| | 12 | 081 |
| | 1 P.M. | 081 |
| | 2 | 081 |
| | 3 | 081 |
| | 4 | 081 |
| | 5 | 081 |
| | 6 | 080 |
| | 7 | 080 |
| | 8 | 079 |
| | 9 | 077 |
| | 10 | 076 |
| | 11 | 074 |
| | 12 | 079 |
| | 1 P.M. | 077 |
| | 2 | 077 |
| | 3 | 077 |
| | 4 | 077 |
| | 5 | 077 |
| | 6 | 077 |
| | 7 | 078 |

Yours Truly
J. F. Carter

33 B

Gage Reading of Prove River at the U.S.G.S. Station in Prove C
Canyon By John F. Carter.

(Copy.)

July 19, 1915, 7 o'clock a.m. to July 20, 1915, 7 o'clock a.m.

| | | |
|---------------|------|-----------------------|
| July 19, 7 am | 0.80 | |
| 8 am | 0.80 | |
| 9 am | 0.81 | |
| 10 am | 0.81 | |
| 11 am | 0.81 | (Charleston refilled) |
| 12 M | 0.81 | |
| 1 pm | 0.81 | |
| 2 pm | 0.81 | |
| 3 pm | 0.81 | |
| 4 pm | 0.81 | |
| 5 pm | 0.81 | |
| 6pm | 0.80 | |
| 7 pm | 0.80 | |
| 8 pm | 0.79 | |
| 9 pm | 0.77 | |
| 10 pm | 0.76 | |
| 11 pm | 0.74 | |
| 12 pm. | 0.79 | Midnight. |

| | |
|--------------|------|
| July 20 1 am | 0.77 |
| 2 am | 0.77 |
| 3 am | 0.77 |
| 4 am | 0.77 |
| 5 am | 0.77 |
| 6 am | 0.77 |
| 7 am | 0.78 |

(Signed) J.F. Carter

Note: July 18th 8 o'clock a.m. the Lower Charleston Canal by
break turned its water to river, amount of 21 second feet, which
was running to river until 11 o'clock a.m. July 19th, and as
marked 'Charleston refilled.' Also note that the discharge for

| | |
|-------------|------|
| July 16 was | 242, |
| " 17 " | 240 |
| " 18 " | 235 |
| " 19 " | 240 |
| " 20 " | 235 |
| " 21 " | 232 |
| " 22 " | 235. |

(Copy)

Gage Readings on Provo River U.S.G.S. gage, August 19, 7 a.m. to August 20, 1915 to 6 a.m.

Signed by John F. Carter.

| | | |
|-----------|--------|---|
| August 19 | 7 am | 70 |
| | 8 am | 70 |
| | 9 am | 71 |
| | 10 am | 71 |
| | 11 am | 71 |
| | 12 M | 71 |
| | 1 pm | 70 |
| | 2 pm | 70 |
| | 3 pm | 70 |
| | 4 pm | 70 |
| | 5 pm | 70 |
| | 6 pm | 70 |
| | 7 pm | 70 |
| | 8 pm. | 70 |
| | 9 pm | 70 |
| | 10 pm | 70 |
| | 11 pm. | 70 |
| | 12 pm | 70 Midnight. |
| August 20 | 1 am | 70 |
| | 2 am | 70 |
| | 3 am | 70 |
| | 4 am | 70 |
| | 5 am | 70 |
| | 6 am | 70 |
| | 7 am | 69 (Inserted from regular gage readings) |

Aug 19, 1915

| | | | | | | | | | | | | |
|------|------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 7-70 | 8-70 | 9-71 | 10-71 | 11-71 | 12-71 | 1-70 | 2-70 | 3-70 | 4-70 | 5-70 | | |
| 6-70 | 7-70 | 8-70 | 9-70 | 10-70 | 11-70 | 12-70 | 1-70 | 2-70 | 3-70 | 4-70 | 5-70 | 6-70 |

161 61 hrs Aug 19 1915

161 61 hrs Aug 20 1915

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signed attached hereto.

Provo, Utah, June 14, 1915.

Summary of Week June 7th to June 12, 1915.

As shown by the sheets of this week 387.61 second feet is being diverted for irrigation in the Wasatch Division; 447.69 second feet is diverted for irrigation in the Provo Division, a total of 835.30 second feet, and with 119.32 second feet passing the Fort Field Dam to Utah Lake and 43 second feet in Factory Race, making a total river of 954.62 second feet, and including Factory Race 449.05 second feet is diverted and used for Power purposes.

You will also note by sheets of this week the water plane of the Heber Valley is considerable above the measurements of May 22nd; the Joseph S. Brown well at Charleston has raised from 17 feet to 8.5 feet, The Baird well near Heber has gained 25 feet, Witt's well near Heber depot has raised from 7 feet to 5.3 feet, Montgomery cellar in the eastern part of Heber has raised from 0.0 to 0.50 feet, near Day-bell Springs water plane is at surface, and Caspers lane has developed a seepage of .25 second feet. Visible seepage flowing from South Kamas Bench approximates 2.00 second feet.

The week commenced with warm weather, the thermometer ranging near 90°, and closed with cold winds and frost.

The early week river at the mouth of Provo Canyon was near 600 second feet, and on Saturday was some 800 second feet.

Ten new measuring devices were installed during the week.

In the Wasatch division hay and pasture lands have been thoroughly irrigated once and are beginning

on the second application, no grain has been irrigated.

In the Provo Division all crops of early planting are well irrigated.

The "Sheep Corral" the high water sign for Utah Valley was barren on June 3. The "Dutch Canyon Snow Spots" the high water sign for Heber Valley have not melted.

From reports from the head of river snow supply is greater than on this day last year.

At this date, with the Heber Valley storage basin nearing capacity, and with the inflow by springs and seepage, and with the favorable report from the head of river; we may expect for some time-- not an abnormal low river, but a sufficient supply for all canals.

PROVO RIVER 1915.

Table showing inflow below U.S.G.S. Station.

| Date | River | Fork. | Total | Disch. in Utah Valley. | Inflow. |
|-----------|-------|-------|-------|---------------------------|---------|
| May 12 | 175 | 29 | 204 | 212.66 | 8.66 |
| May 24 | 239 | 29 | 268 | 332.28 | 64.28 |
| June 8-9 | 508 | 32 | 540 | 560.01 | 20.01 |
| June 21 | 430 | 30 | 460 | 497. | 37. |
| June 25 | 301 | 24 | 325 | 400. | 75. |
| June 29 | 260 | 30 | 290 | 329.36 | 39.36 |
| July 2 | 255 | 28 | 283 | 312.22 | 29.22 |
| July 8 | 252 | 28 | 280 | 317.35 | 37.35 |
| July 15 | 242 | 28 | 270 | 315.23 | 45.23 |
| July 29 | 185 | 36 | 221 | 277.52 | 56.52 |
| August 11 | 173 | 30 | 203 | 277.02 | 74.02 |
| Sept. 7 | 168 | 34 | 202 | 265.98 | 63.98 |

Record of time used in the season of 1915.

Watch carried by Mr. Wentz.

Hung vertical, nights.

Watch #11037961

Elgin 23 Jewel "Veritus"

April 9, 1915.

Delivered watch to Boyd Park, Salt Lake City, Utah, for inspection and regulating.

Received by express April 22, 1915 in sealed package. Watch running.

12;45 p m, April 26, 1915. Took watch to Boyd Park. 40 seconds slow. Set correct and adjustment changed.

May 15, 1915. 12 M. at Boyd Park, Salt Lake.

8 seconds slow; not corrected.

August 20, 1915, at Boyd Park, Salt Lake. 10;35 p m. 1 min. 54 seconds slow. Corrected and adjusted.

September 25 1915. 1;30 p m. Watch 9 seconds slow. Corrected and adjustment not changed.

Instruments used.

Mr. Wentz. Meter 1350-1351. On rating November 24, 1915, by Bureau of Standards.

Mr. Pratt. Meter No. 1423.

Stopwatches.

Mr. Wentz # "3364 A" Swiss Movement
#5509953.
#-VXX- Swiss. Movement.

Mr. Pratt. # "3364 B" Swiss Movement.

Level "Berger #9639".