

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Prairie Research Institute
Illinois State Water Survey
2204 Griffith Drive
Champaign, Illinois 61820



OPERATION OF THE IMPERIAL VALLEY WATER AUTHORITY
(IVWA) PRECIPITATION NETWORK

Monthly Progress Report for February 2016

March 4, 2015

Nancy E. Westcott and Dana Grabowski

Phone: (866) 292-7305 (toll-free); Email: nan@illinois.edu; dgrabows@illinois.edu

Kevin Rennels and Steve Wilson

Phones: (217) 333-8466; 333-0956

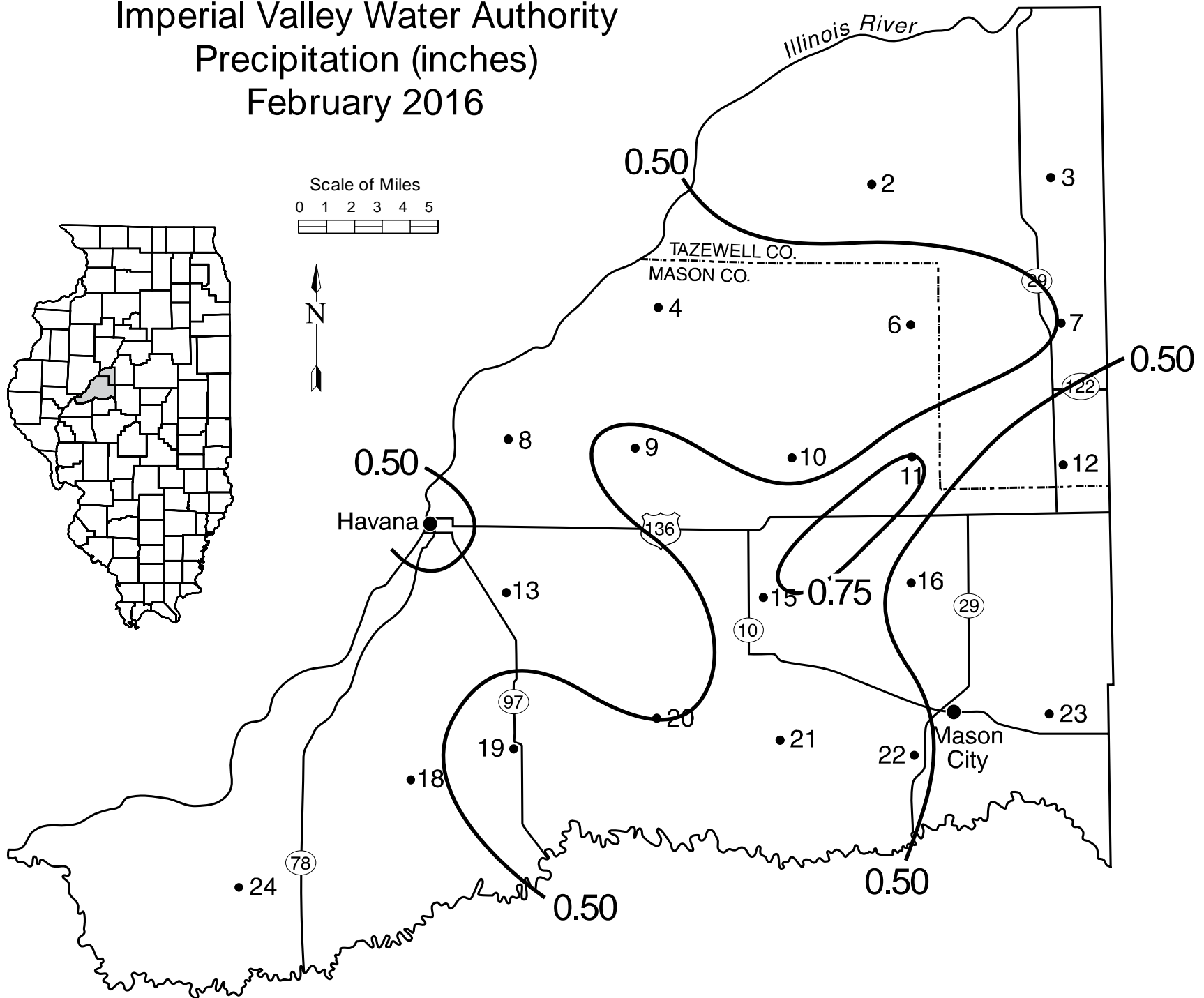
Raingage Network Operations

Karen Bridges serviced all gages and downloaded the February 2016 digital data on February 27, 2016. Data were downloaded early due to various scheduling conflicts, and fortunately little or no precipitation fell in the last few days of the month. Any measured precipitation will be added to the February totals next month. No changes were needed to the January report. We expect normal operations to resume in April. Data have been processed, quality controlled, and analyzed. All gages and data loggers operated properly.

Data Analysis

Precipitation during February 2016 was light. Monthly gage totals were largest in the central portion of the network, and smallest in the northwest and southeast regions. Individual gage amounts ranged from 0.75 inches at Site #11 to 0.30 inches at Site #23. The 1981-2010, 30-year average precipitation amounts for February at Havana and Mason City are 2.10 and 1.61 inches, respectively. The February 2016 network average of 0.50 inches is about 29 percent of the 23-year (1993-2015) IVWA February network average of 1.72 inches.

Imperial Valley Water Authority Precipitation (inches) February 2016



February 2016 Daily and Monthly Precipitation Amounts (inches), Imperial Valley Network

Site

| DAY | G 2 | G 3 | G 4 | G 6 | G 7 | G 8 | G 9 | G 10 | G 11 | G 12 | G 13 | G 15 | G 16 | G 18 | G 19 | G 20 | G 21 | G 22 | G 23 | G 24 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | ---- | ---- | ---- | 0.03 | ---- | 0.01 | 0.01 | 0.02 | ---- | ---- | 0.02 | 0.02 | ---- | ---- | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 | 0.02 |
| 2 | 0.47 | 0.45 | 0.21 | 0.21 | 0.40 | 0.18 | 0.32 | 0.32 | 0.62 | 0.20 | 0.17 | 0.44 | 0.30 | 0.19 | 0.30 | 0.31 | 0.36 | 0.25 | 0.07 | 0.20 |
| 3 | 0.02 | 0.03 | 0.02 | ---- | 0.05 | 0.01 | 0.02 | 0.04 | 0.05 | 0.02 | ---- | 0.01 | 0.01 | ---- | ---- | 0.02 | 0.01 | 0.01 | 0.06 | ---- |
| 4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 7 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 8 | ---- | ---- | ---- | ---- | ---- | ---- | 0.02 | ---- | ---- | ---- | ---- | 0.01 | ---- | ---- | 0.02 | ---- | ---- | 0.02 | 0.01 | ---- |
| 9 | ---- | 0.04 | 0.01 | ---- | ---- | ---- | 0.01 | ---- | ---- | 0.02 | ---- | ---- | ---- | ---- | 0.03 | ---- | 0.02 | 0.01 | ---- | ---- |
| 10 | 0.01 | ---- | 0.01 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 0.01 | ---- | ---- |
| 11 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 12 | 0.01 | 0.04 | ---- | ---- | ---- | 0.01 | 0.01 | ---- | ---- | ---- | ---- | 0.02 | ---- | 0.03 | 0.02 | ---- | 0.04 | 0.03 | ---- | 0.02 |
| 13 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 14 | 0.17 | 0.05 | 0.09 | 0.04 | 0.01 | 0.10 | 0.16 | 0.05 | 0.05 | 0.08 | 0.14 | 0.19 | 0.02 | 0.21 | 0.22 | 0.08 | 0.09 | 0.11 | 0.02 | 0.16 |
| 15 | 0.03 | 0.07 | 0.03 | 0.03 | 0.05 | 0.01 | 0.02 | 0.02 | 0.02 | 0.04 | 0.04 | 0.02 | 0.03 | 0.02 | 0.01 | 0.05 | 0.03 | 0.05 | 0.11 | 0.03 |
| 16 | 0.01 | ---- | 0.01 | 0.02 | ---- | 0.02 | ---- | ---- | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | ---- | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 |
| 17 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 18 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 19 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 20 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 21 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 22 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 23 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 24 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 25 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 26 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 27 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 28 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| 29 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Monthly | 0.72 | 0.68 | 0.38 | 0.33 | 0.51 | 0.34 | 0.57 | 0.45 | 0.75 | 0.37 | 0.38 | 0.73 | 0.38 | 0.45 | 0.62 | 0.49 | 0.60 | 0.53 | 0.30 | 0.45 |

Network Average = 0.50 Imperial Valley Network