

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

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Illinois State Water Survey
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OPERATION OF THE IMPERIAL VALLEY WATER AUTHORITY
(IVWA) PRECIPITATION NETWORK

Monthly Progress Report for June 2016

July 11, 2016

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Raingage Network Operations

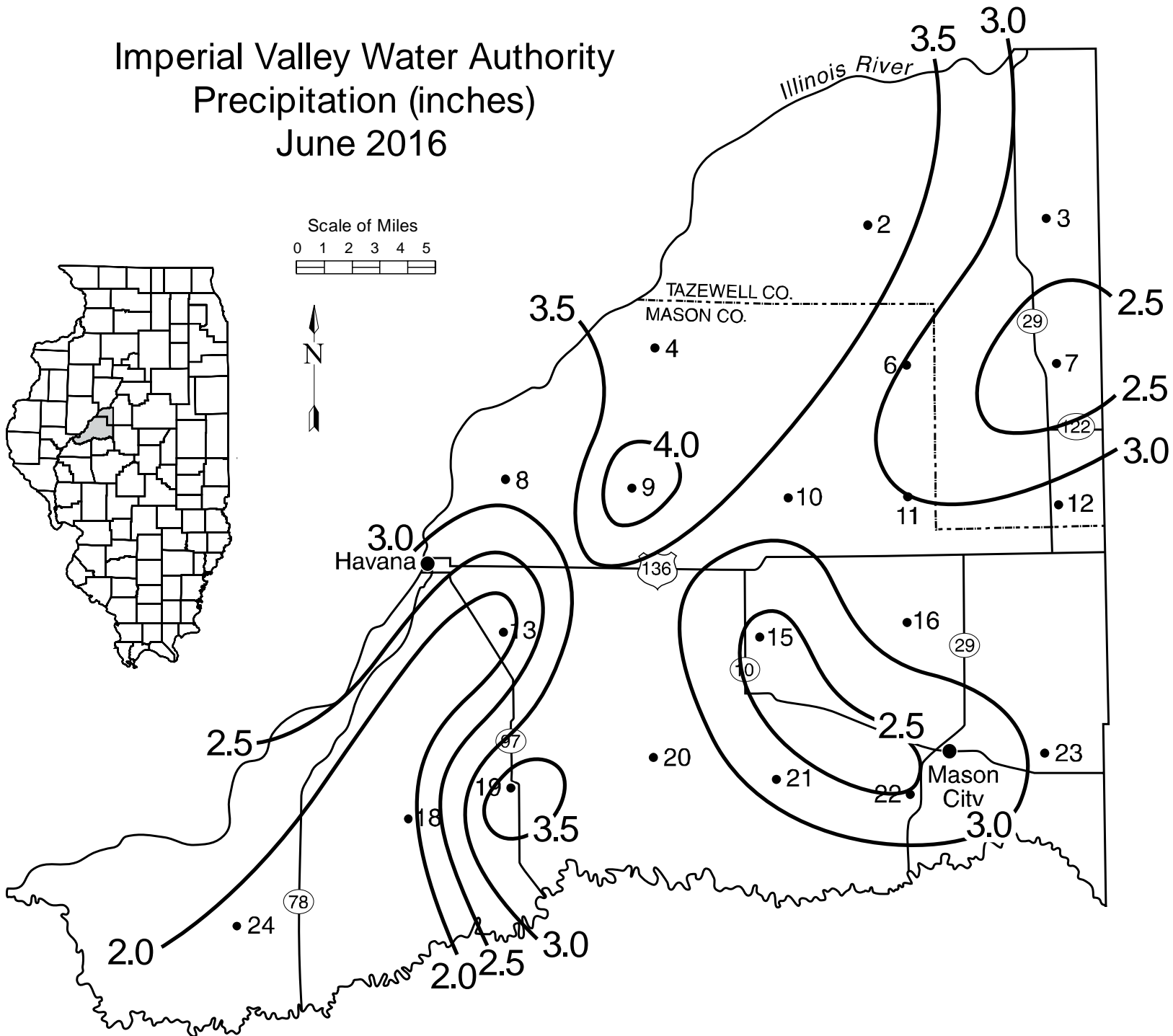
Dana Grabowski serviced all gages and downloaded the June 2016 digital data on July 5, 2016. Data have been processed, quality controlled, and analyzed. All gages and data loggers operated properly.

During her visit, Dana weighted, emptied, and cleaned all buckets. The funnel in the gage at site #11 collected a considerable amount of bird droppings. She performed a calibration check at Sites #8, #9, #11, and #13, but the calibrations did not need to be adjusted.

Data Analysis

Precipitation during June 2016 was moderate. Monthly gage totals were largest in the northwestern portion of the network and smallest in the southwestern region. Individual gage amounts ranged from 4.06 inches at Site #9 to 1.76 inches at Site #18. The 1981-2010, 30-year average precipitation amounts for June at Havana and Mason City are 4.36 and 4.04 inches, respectively. The June 2016 network average of 2.91 inches is about 65 percent of the 23-year (1993-2015) IVWA June network average of 4.47 inches.

Imperial Valley Water Authority Precipitation (inches) June 2016



June 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	0.51	0.19	0.30	0.20	0.20	0.84	0.29	0.28	0.28	0.11	0.17	0.35	0.33	0.19	0.17	0.36	0.30	0.12	0.08	1.02
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	0.01	----	0.01	----	----	----	----	0.01	----	----	----	----	----	----	----	----	0.01	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	0.01	0.01	----	0.02	----	0.01	0.01	0.01	0.01	----	----	0.01	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	0.08	----	0.07	----	0.13	0.48	0.21	0.06	----	0.09	0.01	----	0.55	0.05	----	----	0.01	----	0.07
14	0.43	0.09	0.32	0.73	0.03	0.17	1.01	0.23	0.12	0.06	0.27	0.03	0.57	0.11	0.09	0.02	0.02	0.10	----	0.27
15	0.46	0.34	0.74	0.35	0.38	0.79	0.40	0.57	0.79	1.14	0.15	0.46	0.47	0.17	0.13	0.11	0.17	0.26	0.14	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	0.15	0.03	----	0.12	----	0.26	0.04	----	----	0.01	0.34	0.12	0.40	0.87	0.40	0.22	0.61	0.56
21	----	0.01	0.12	----	----	0.01	0.03	0.02	0.01	0.01	----	0.01	----	0.02	0.03	0.01	0.03	0.02	0.02	0.02
22	1.97	1.91	2.05	1.51	1.49	1.02	1.80	1.57	1.67	1.76	1.10	1.39	1.58	0.59	1.22	1.69	1.73	1.72	2.20	0.02
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	0.01	0.02	0.07	0.02	----	----	0.01	0.01	----	0.02	----	----	----	0.02	1.46	0.32	0.33	0.04	----	0.01
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	0.28	0.01	----	0.02	----	----	0.05	0.05	----	----	0.02	0.03	0.02	0.01	----	----	----	----	----	----
Monthly	3.67	2.67	3.75	2.96	2.10	3.08	4.06	3.22	3.00	3.10	1.81	2.29	3.32	1.76	3.54	3.40	2.96	2.51	3.05	1.97

Network Average = 2.91 Imperial Valley Network