

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

Monthly Progress Report for June 2017

July 11, 2017

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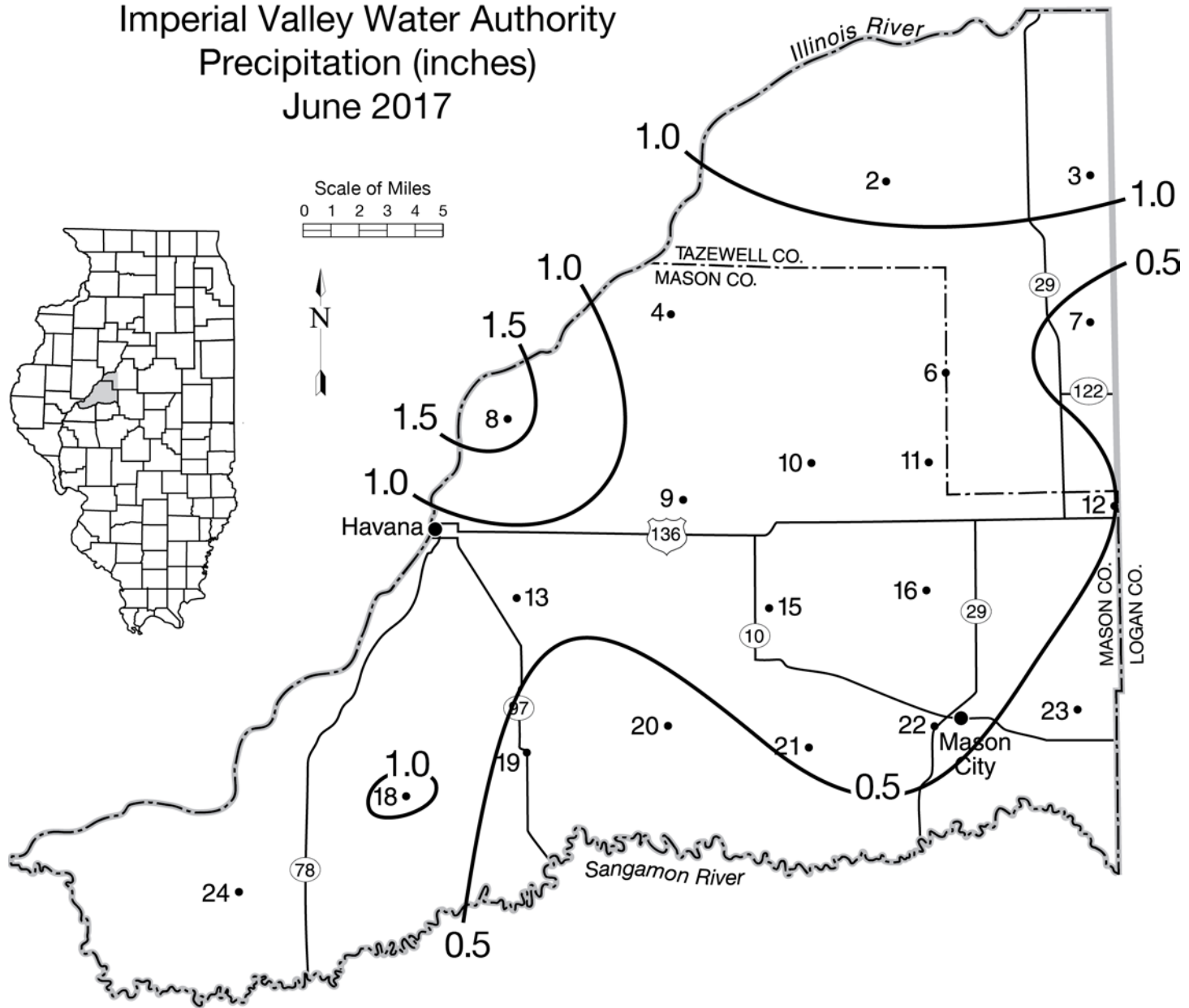
Raingage Network Operations

Dana Grabowski serviced all gages and downloaded the June 2017 digital data on July 6, 2017. During the site visits, Dana weighed collections and emptied and cleaned all of the buckets, many of which were completely dry. Calibration checks were performed at sites 6, 7, and 12, each receiving a 1.00000 correlation coefficient.

Data Analysis

The average network precipitation for June 2017 was 0.74 inches, the lowest monthly precipitation for June in 25 years, and 3.57 inches below the 24-year average. Within the last 24 years of the project, the next two driest Junes were in 2005 with 1.33 inches and 2012 with 1.36 inches of precipitation. The largest monthly gage precipitation totals were north of Havana and along the northern edge of the network. The smallest gage totals were along the southeastern edges of the IVWA boundary. Monthly gage totals varied 1.16 inches across the network, from 0.34 inches (site 20) northeast of the Revis Hill Prairie Nature Preserve to 1.74 inches (site 8) north of Havana. 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 2017 network average of 0.74 inches is about 17 percent of the 24-year (1993–2016) IVWA June network average of 4.41 inches.

Imperial Valley Water Authority Precipitation (inches) June 2017



June 2017 Daily and Monthly Precipitation Amounts (inches), Imperial Valley Network

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	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	0.04	0.05	0.12	0.06	0.04	0.57	0.09	0.24	0.09	0.04	0.21	0.23	0.22	0.21	0.21	0.25	0.25	0.33	0.09	0.19
15	0.51	0.31	0.01	0.16	0.13	0.07	0.03	0.01	0.33	0.36	0.06	0.02	0.24	0.05	0.06	0.03	0.01	----	0.15	0.05
16	----	----	----	----	----	----	----	----	----	----	0.01	----	0.01	0.09	0.01	----	0.02	0.07	0.02	0.07
17	0.05	----	0.08	0.04	----	0.13	0.06	0.02	0.05	----	0.07	0.03	0.02	0.11	0.07	0.03	----	0.01	----	0.08
18	0.02	0.01	----	0.02	----	0.01	----	----	0.02	----	----	0.03	0.02	0.01	0.01	0.02	0.02	----	0.01	0.02
19	----	----	0.12	0.03	----	----	----	----	0.08	----	0.02	----	----	0.10	----	----	----	----	----	----
20	0.28	0.51	----	----	0.13	0.61	0.46	----	----	----	----	0.33	----	0.31	----	0.01	0.22	0.26	----	0.31
21	----	----	----	0.02	----	0.08	0.02	----	----	----	0.02	0.07	0.04	----	----	----	0.01	0.06	----	0.04
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	0.18	0.26	0.04	0.12	0.04	0.12	0.10	0.13	0.09	0.06	0.13	0.14	0.07	----	----	----	----	----	0.11	----
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	0.01	----	0.20	0.04	0.07	0.06	0.04	0.11	0.24	0.04	----	0.03	0.05	----	----	----	----	0.04	----	----
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
28	0.01	0.01	----	0.01	----	0.02	----	----	----	----	----	----	----	0.03	----	----	----	----	----	----
29	0.04	0.02	0.05	0.03	----	0.07	0.01	----	0.01	0.02	0.04	0.02	----	0.02	0.03	----	0.02	----	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----	----	0.11	----	----	----	----	----	0.09
Monthly	1.14	1.17	0.62	0.53	0.41	1.74	0.81	0.51	0.91	0.52	0.56	0.90	0.67	1.04	0.39	0.34	0.55	0.77	0.38	0.85

Network Average = 0.74 Imperial Valley Network