

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

Monthly Progress Report for July 2017

August 15, 2017

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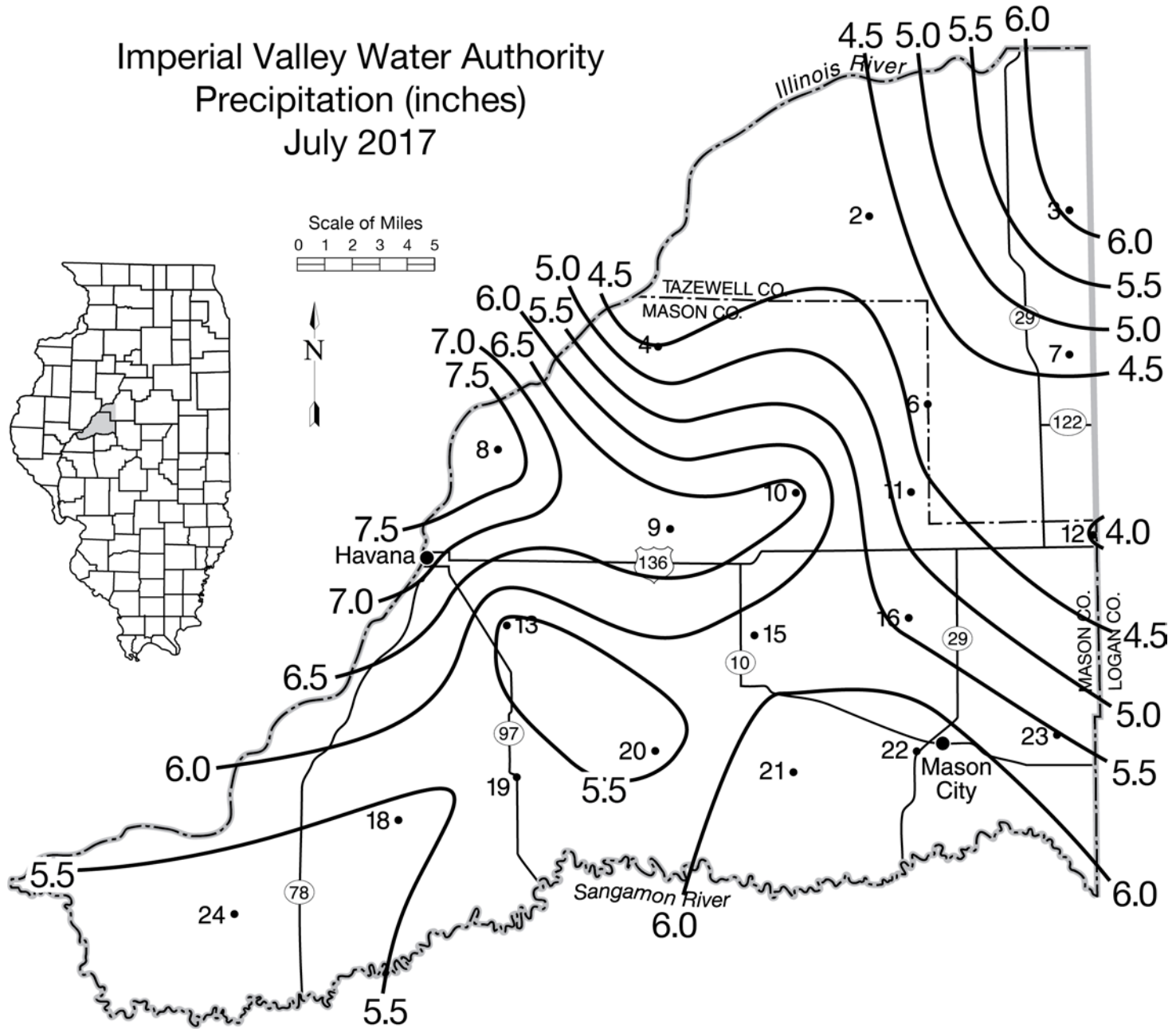
Raingage Network Operations

Dana Grabowski serviced all gages and downloaded the July 2017 digital data on August 2, 2017. During the site visits, Dana weighed collections and emptied and cleaned all of the buckets. Calibration checks were performed at sites 9, 10, and 11.

Data Analysis

The average network precipitation for July 2017 was 5.5 inches, 1.71 inches above the 24-year average. The largest monthly gage precipitation totals were north and east of Havana. The smallest gage totals were in a northwest to southeast band across the northern boundary of Mason County, along a line from Parkland, IL to San Jose, IL. Monthly gage totals varied 4.03 inches across the network, from 3.95 inches (site 12) near San Jose to 7.98 inches (site 8) north of Havana. The 1981–2010, 30-year average precipitation amounts for July at Havana and Mason City are 3.76 and 3.29 inches, respectively. The July 2017 network average of 5.50 inches is about 145 percent of the 24-year (1993–2016) IVWA July network average of 3.79 inches.

Imperial Valley Water Authority Precipitation (inches) July 2017



July 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	0.28	0.07	0.44	----	0.55	0.96	----	----	0.03	----	0.03	0.05	0.56	0.72	----	----	----	----	----	0.65
5	0.02	0.01	0.03	0.02	0.02	0.04	----	----	0.02	----	0.04	0.03	0.06	----	0.71	0.05	0.05	0.46	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	0.01	----	----	----	----	----	----	----	----	----	0.01	----	0.01	----	----	----	----	0.01	0.01
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	0.39	1.93	0.45	0.29	1.28	2.03	1.43	0.72	0.57	0.38	1.37	1.43	0.99	0.21	1.06	1.74	1.94	1.07	0.99	0.17
11	0.57	0.54	0.59	0.40	0.41	0.42	0.21	0.52	0.62	0.51	0.16	0.55	0.26	1.46	0.53	0.72	1.08	1.11	1.12	1.42
12	0.03	0.02	0.02	0.03	----	----	----	0.01	----	----	----	0.02	----	----	----	----	----	----	----	----
13	0.03	0.05	0.12	0.88	0.71	0.39	1.06	1.19	0.62	0.44	0.89	0.18	0.45	0.35	0.06	0.05	0.06	0.05	----	0.25
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	0.19	----	0.30	0.05	0.02	0.58	0.16	0.77	0.14	0.20	0.31	0.24	0.36	0.05	0.10	0.25	0.12	0.23	0.23	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	1.01	1.44	0.29	0.32	0.52	0.43	0.68	0.81	0.92	0.09	0.28	0.37	0.33	0.25	0.59	0.34	0.38	0.43	0.38	0.23
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	0.01	0.01	----	0.25	0.02	----	----	----	0.01	----	0.02	----	----	----	----	----	----	0.01
21	0.03	----	----	----	----	----	0.08	0.01	----	----	----	----	----	----	----	----	----	----	----	----
22	0.62	0.46	1.15	0.73	0.50	1.19	0.92	0.90	0.69	0.77	1.36	1.03	0.88	1.25	1.00	0.84	0.56	0.69	0.87	1.25
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	0.94	1.51	1.05	1.47	0.49	1.64	2.31	1.66	1.06	1.54	0.84	1.75	1.46	1.05	1.48	1.29	2.20	2.41	1.88	1.01
27	0.03	0.01	0.04	0.03	0.04	0.05	0.05	0.04	0.03	0.02	0.09	0.06	0.02	0.02	0.12	0.06	0.07	0.07	0.03	0.02
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Monthly	4.14	6.05	4.49	4.23	4.54	7.98	6.92	6.63	4.70	3.95	5.38	5.72	5.39	5.37	5.65	5.34	6.46	6.52	5.51	5.02

Network Average = 5.50 Imperial Valley Network