



PRAIRIE RESEARCH INSTITUTE

Illinois State Water Survey
2204 Griffith Drive
Champaign, IL 61820

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

Monthly Progress Report for July 2018

August 15, 2018

Erin Bauer and Dana Grabowski

Phone: (866) 292-7305 (toll-free); E-mail: ebauer@illinois.edu; dgrabows@illinois.edu

Kevin Rennels and Steve Wilson

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

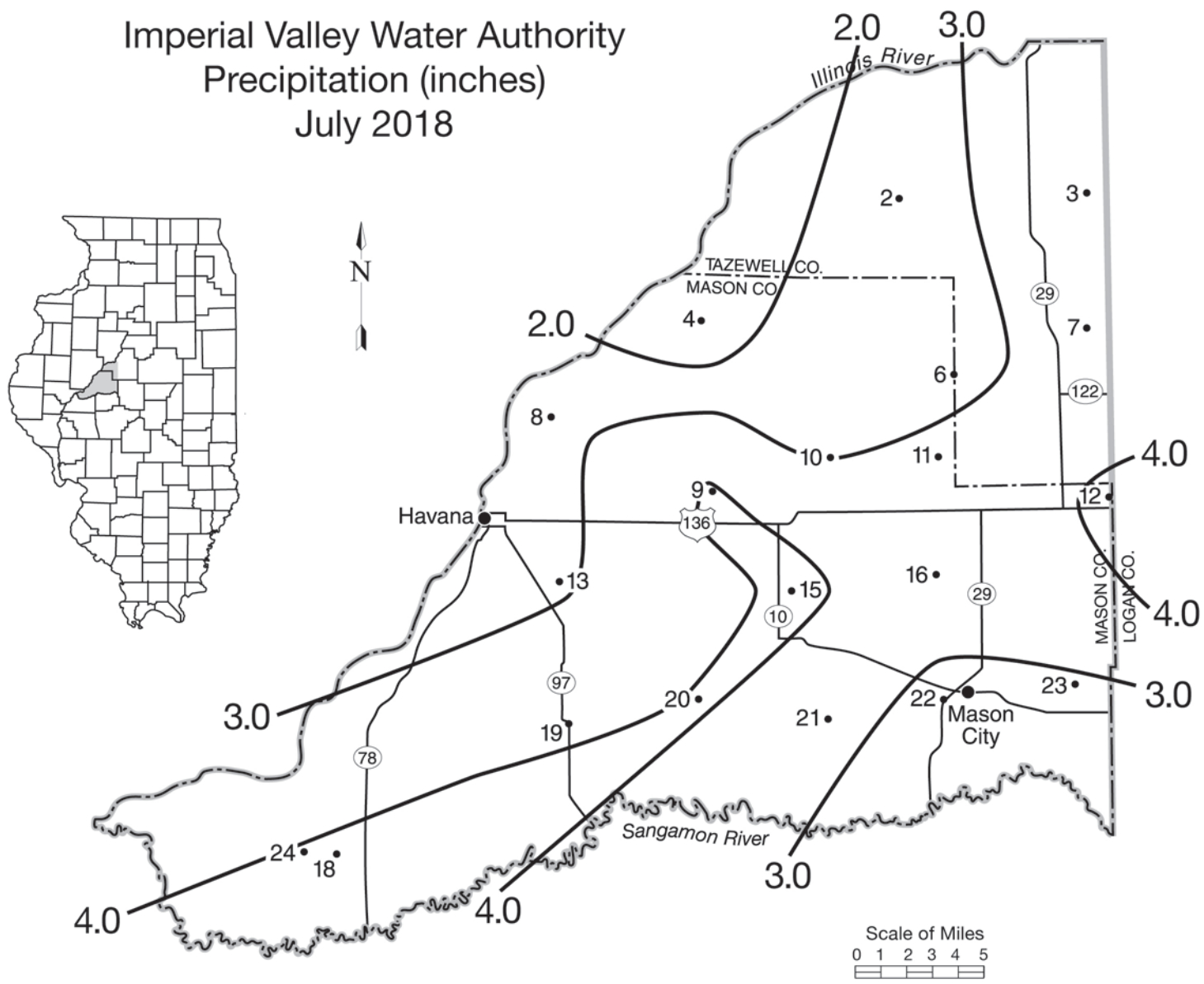
Raingage Network Operations

Dana Grabowski serviced all gages and downloaded the digital data on August 2, 2018. All of the collections were weighed and buckets were emptied and cleaned.

Data Analysis

The average network precipitation for July 2018 was 3.35 inches, which is below the previous 25-year network average. The largest monthly gage precipitation totals were in the southwest part of Mason County. The smallest gage totals were in the northwestern edge of the network. Monthly gage totals varied 3.11 inches across the network, from 1.66 inches at site #4, near Goofy Ridge, to 4.77 inches at site #18, southeast of Snicarte. The 1981–2010 30-year average precipitation amounts for July at Havana and Mason City are 4.04 and 4.60 inches, respectively. The July 2018 network average of 3.35 inches is 87 percent of the 25-year (1993–2017) IVWA July network average of 3.85 inches.

Imperial Valley Water Authority Precipitation (inches) July 2018



July 2018 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	0.67	0.89	----	0.58	0.57	0.13	1.39	0.59	0.43	0.86	0.64	0.66	0.49	0.51	0.36	0.43	0.11	0.20	0.18	0.29
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3	0.09	----	----	0.01	0.11	----	0.01	----	----	0.26	----	----	----	----	0.03	0.13	0.01	0.03	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	0.20	1.43	0.29	0.28	1.02	0.47	0.74	0.61	0.83	0.81	0.27	1.32	0.69	0.57	0.79	1.12	0.69	0.47	0.57	0.49
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	0.47	0.30	0.35	0.54	0.82	0.51	0.72	0.54	0.55	0.81	0.69	0.60	0.72	2.19	0.95	1.23	1.18	0.78	0.71	1.83
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	0.12	0.65	----	0.15	0.14	0.63	0.27	0.28	0.02	----	0.28	0.19	0.15	0.01	0.47	0.34	0.45	0.25	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	0.39	0.10	0.55	0.41	0.40	0.23	0.09	0.29	0.45	0.70	0.12	0.05	0.71	0.28	----	----	0.10	0.24	----	0.05
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
29	0.38	0.34	0.41	0.44	0.33	0.47	0.48	0.45	0.45	0.32	0.53	0.46	0.42	0.84	0.58	0.49	0.57	0.66	0.60	0.84
30	0.01	----	----	0.03	0.02	----	0.07	----	0.52	0.16	0.20	0.89	0.18	----	0.15	0.04	0.10	0.18	0.29	0.09
31	0.06	0.18	0.06	0.25	----	0.17	0.28	0.20	0.23	0.16	0.16	0.04	0.03	0.37	0.16	0.32	0.04	----	0.53	0.42
Monthly	2.39	3.89	1.66	2.69	3.41	2.61	4.05	2.96	3.48	4.08	2.89	4.21	3.39	4.77	3.49	4.10	3.25	2.81	2.88	4.01

Network Average = 3.35 Imperial Valley Network