



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 August 2021
September 20, 2021

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Raingage Network Operations

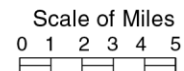
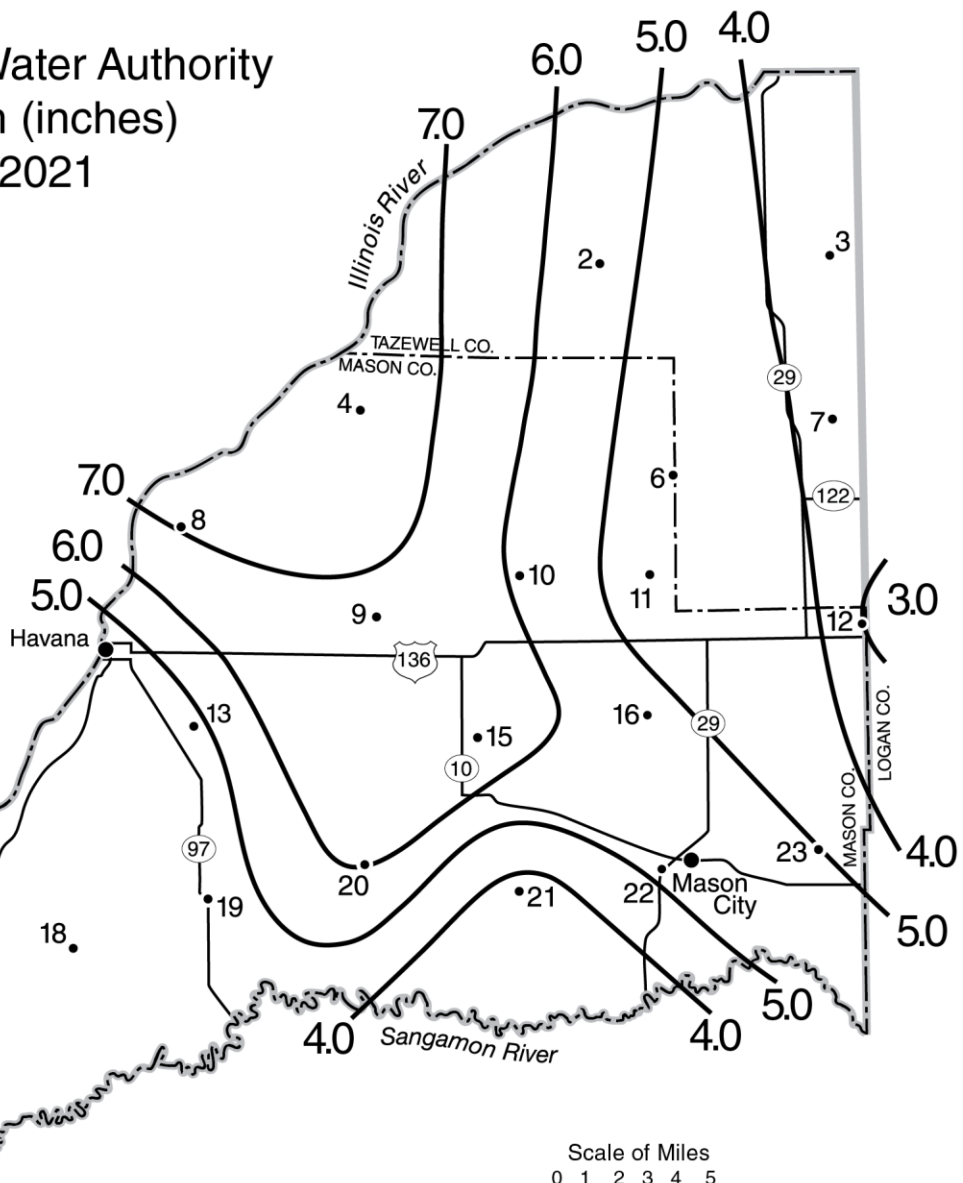
On September 2, Erin downloaded the data, weighed the precipitation collections, and emptied, cleaned, and tared the buckets for all gages, except gages #9 and #12.

Precipitation data for gages #9 and #12 are downloaded by modem every hour to an Illinois State Water Survey server.

Data Analysis

The average network precipitation for August 2021 was 5.10 inches, which is above the previous 28-year network average. Monthly gage totals varied 4.89 inches across the network, from 2.95 inches at site #12, north of San Jose, to 7.84 inches at site #4, west of Sand Ridge State Forest. The 30-year (1991-2020) average precipitation amounts for the month of August at Havana and Mason City are 4.02 and 3.57 inches, respectively. The August 2021 network average of 5.10 inches is 155 percent of the 28-year (1993–2020) IVWA August network average of 3.30 inches. This was the seventh wettest August in the past 29 years.

Imperial Valley Water Authority Precipitation (inches) August 2021



August 2021 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.06	0.00	0.01	0.03	0.03	0.06	0.17	0.10	0.06	0.11	0.08	0.01
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.09	0.20	0.11	0.17	0.14	0.51	0.11	0.13	0.09	0.40	0.18	0.36	0.13	0.80	0.22	0.26	0.01	0.25	0.39	0.19
9	0.48	0.17	0.24	0.24	0.56	0.91	1.05	1.02	0.70	0.39	0.45	0.73	0.65	0.98	0.63	0.49	0.48	0.58	0.49	1.45
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.21	0.17	0.13	0.14	0.08	0.13	0.14	0.07	0.10	0.01	0.01	0.04	0.04	0.02	0.01	0.00	0.08	0.02	0.01	0.00
12	1.27	1.21	0.63	0.97	1.43	0.86	0.64	0.31	0.73	0.82	0.71	1.70	1.29	1.25	1.13	1.33	1.15	1.33	1.27	1.36
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.07	0.34	0.01	0.01	0.05	0.40	0.14	0.00	0.00	0.02	0.00	0.00	0.24	0.22	0.34	0.07	0.06	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.01	0.04	0.01	0.04	0.01	0.03	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.03	0.00	0.00	0.01
24	0.32	0.35	0.05	0.23	0.29	0.15	0.10	0.23	0.23	0.11	0.17	0.50	0.85	0.04	0.16	0.08	0.01	0.69	0.65	0.03
25	0.84	0.37	2.31	0.28	0.09	1.11	2.55	1.09	0.35	0.14	0.83	1.70	0.75	0.08	0.74	2.03	0.07	0.93	0.85	0.11
26	0.02	0.00	0.01	0.03	0.02	0.03	0.03	0.05	0.04	0.02	0.04	0.03	0.04	0.03	0.02	0.02	0.28	0.05	0.01	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.07	0.06	0.02	0.02	0.02	0.04	0.06	0.01	0.02	0.01	0.01	0.15	0.02	0.05	0.02	0.13	0.05	0.07	0.01	0.04
30	0.01	0.01	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.01	0.02	0.00	0.08	0.02	0.00	0.00
31	1.98	0.75	3.99	2.31	1.16	3.29	1.64	2.72	2.13	1.02	2.37	1.52	1.43	0.93	1.02	1.48	1.21	1.55	1.23	0.83
Monthly	5.30	3.40	7.84	4.46	3.81	7.14	6.75	5.78	4.45	2.95	4.81	6.76	5.24	4.50	4.36	6.27	3.58	5.66	5.00	4.03

Network Average = 5.10 Imperial Valley Network

Note: This was the seventh wettest August in the past 29 years.