

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

Monthly Progress Report for June 2023  
July 24, 2023

Erin Bauer, Mike Krasowski, Kevin Rennels, and Emily Winfield  
Phone: (217) 300-3471; (866) 292-7305 (toll-free); (217) 244-3166; (217) 333-8466  
E-mail: ebauer@illinois.edu

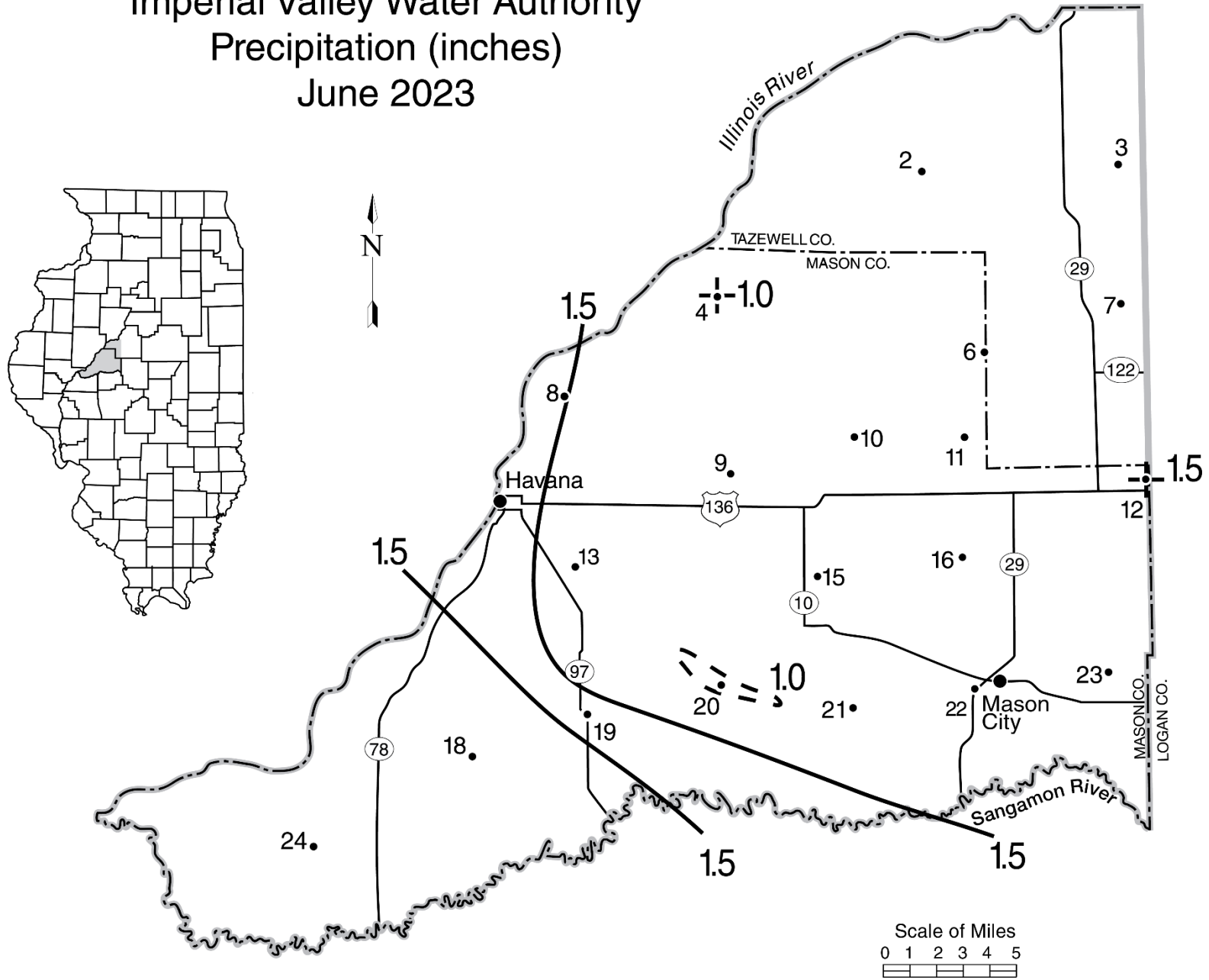
## Raingage Network Operations

On July 1, Emily Winfield downloaded the June precipitation data. The collections were weighed, and the buckets were emptied, cleaned, and tared. 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 June 2023 was 1.25 inches, which is well below the previous 30-year network average. Monthly gage totals varied 0.59 inches across the network, from 0.99 inches at site #19, west of Kilbourne and at site #4 near Goofy Ridge to 1.58 inches at site #19, north of Kilbourne. The 30-year (1991–2020) average precipitation amounts for the month of June at Havana and Mason City are 4.73 and 4.20 inches, respectively. The June 2023 network average of 1.25 inches is 30 percent of the 30-year (1993–2022) IVWA June network average of 4.15 inches. This was the second driest June recorded since data collection began in 1993. The driest June was in 2017.

# Imperial Valley Water Authority Precipitation (inches) June 2023



### June 2023 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	0.10	0.08	0.02	-	0.10	0.09	0.01	0.02	0.01	0.26	0.06	0.01	0.02	-	0.41	0.01	-	0.17	0.02	-
2	-	0.01	0.01	0.02	0.02	0.02	0.01	0.01	-	0.01	0.03	0.02	0.02	0.02	0.02	0.01	-	0.01	0.01	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	0.05	0.01	0.01	-	-	-	-	-	-	-	0.01	-	-	-	-	0.01	0.01	-	-
7	0.06	0.02	-	0.01	0.02	0.06	0.01	0.01	-	0.03	0.02	0.05	0.01	0.01	0.03	0.04	0.02	0.02	-	0.03
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	0.00	-	-
11	0.12	0.09	0.07	0.07	0.05	0.09	0.01	0.15	0.05	0.03	0.03	0.08	0.04	0.09	0.11	0.07	-	0.10	0.05	0.11
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	0.01	-	-	-	0.01	-	-	-	-	-	0.01	-	-	-	-	-	0.01	-	-	-
25	0.02	-	-	0.01	0.07	0.01	0.01	-	-	-	0.01	0.01	-	0.01	-	-	0.01	0.02	-	-
26	-	0.00	-	-	-	-	-	-	-	-	-	0.01	-	-	-	-	-	0.01	0.01	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.30	0.08	0.05	0.37	0.10	0.02	0.01	0.02	0.01	0.01	0.01	-	0.01	0.03	0.02	-	-	0.01	0.01	0.00
29	0.61	0.71	0.58	0.64	0.63	0.91	0.88	0.76	0.73	0.99	0.78	1.07	0.99	0.86	0.98	0.79	0.73	0.75	0.82	0.89
30	0.20	0.08	0.26	0.26	0.15	0.31	0.28	0.33	0.32	0.18	0.09	0.19	0.29	0.02	0.01	0.06	0.24	0.30	0.25	-
<b>Total</b>	<b>1.41</b>	<b>1.13</b>	<b>0.99</b>	<b>1.39</b>	<b>1.15</b>	<b>1.51</b>	<b>1.23</b>	<b>1.28</b>	<b>1.11</b>	<b>1.51</b>	<b>1.03</b>	<b>1.43</b>	<b>1.37</b>	<b>1.02</b>	<b>1.58</b>	<b>0.99</b>	<b>1.02</b>	<b>1.38</b>	<b>1.17</b>	<b>1.26</b>

**Network Average = 1.25 Imperial Valley Network** The June 2023 network average of 1.25 inches is 30 percent of the 30-year (1993–2022) IVWA June network average of 4.15 inches. This was the second driest June recorded since data collection began in 1993. The driest June was in 2017.