

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

Monthly Progress Report for July 2023
August 21, 2023

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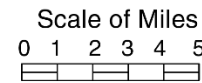
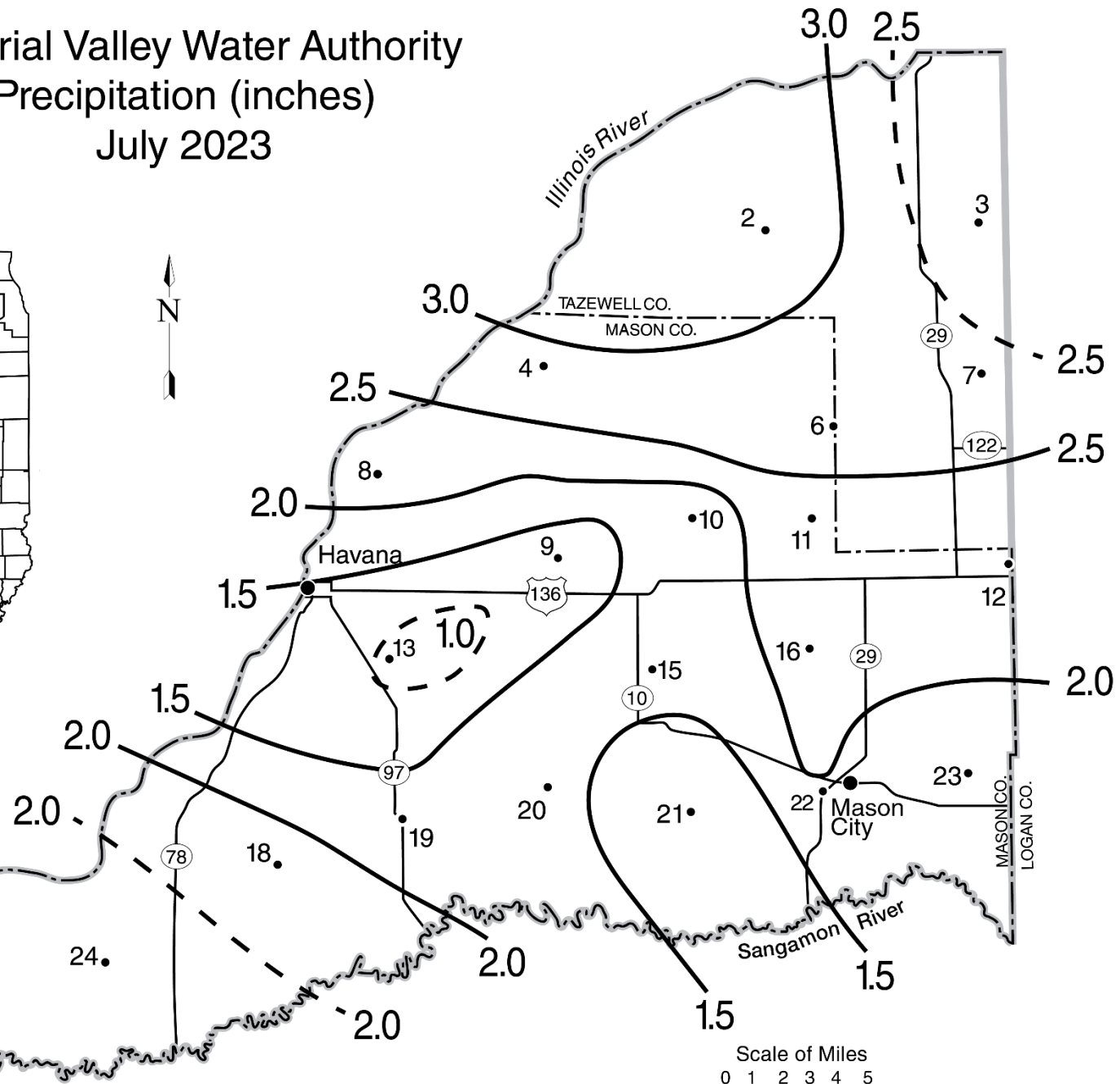
Raingage Network Operations

On August 3rd and 4th, Emily Winfield downloaded the July precipitation data. All of the collection buckets were dry. 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 July 2023 was 2.03 inches, which is well below the previous 30-year network average. Monthly gage totals varied 2.63 inches across the network, from 0.84 inches at site #13, southeast of Havana to 3.46 inches at site #2, north of Manito. The 30-year (1991–2020) average precipitation amounts for the month of July at Havana and Mason City are 4.18 and 5.14 inches, respectively. The July 2023 network average of 2.03 inches is 53 percent of the 30-year (1993–2022) IVWA July network average of 3.80 inches. This was the sixth driest July recorded since data collection began in 1993. The driest July was in 2001.

Imperial Valley Water Authority Precipitation (inches) July 2023



July 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	0.50	0.41	0.45	0.40	0.60	0.71	0.21	0.39	0.56	0.43	0.08	0.29	0.36	0.53	0.27	0.39	0.17	0.30	0.39	0.90
2	0.50	0.14	0.58	0.21	0.16	0.20	0.15	0.11	0.08	0.17	0.14	0.11	0.09	0.87	0.77	0.60	0.33	0.25	0.49	0.23
3	-	0.01	-	-	0.02	0.01	-	0.01	-	0.01	0.01	0.01	0.01	0.02	-	0.01	-	-	0.01	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	0.54	0.48	0.06	0.49	0.13	0.20	0.08	-	0.28	0.05	0.14	0.02	0.08	0.38	0.02	0.01	0.01	0.39	0.09	0.22
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	0.01	0.01	-	0.01	0.01	0.04	-	-	-	0.01	0.02	-	0.01	0.27	-	-	0.01	0.02	0.01	0.26
8	1.08	0.76	1.17	1.23	1.14	0.65	0.48	0.75	1.01	1.28	0.24	0.95	1.42	0.16	0.63	0.59	0.34	0.50	0.53	0.05
9	0.01	0.00	-	-	0.02	0.01	-	-	-	0.01	-	0.01	-	0.01	0.01	0.01	-	-	0.01	-
10	0.01	0.01	-	0.02	0.00	0.01	-	0.01	-	0.01	-	-	0.01	0.01	-	0.01	-	-	0.01	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.01	0.01	-	0.01	0.01	-	-	0.01	-	0.01	-	-	-	-	-	-	0.01	0.01	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	0.30	0.01	-	0.13	-	0.22	0.04	-	-	0.10	0.09	0.01	0.01	0.01	-	0.31	0.14	0.01
15	0.47	0.27	0.11	0.33	0.22	0.03	0.09	0.08	0.09	0.19	0.01	0.01	0.03	0.01	0.02	-	0.17	0.06	0.03	0.00
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	0.01	0.02	0.01	0.01	0.03	0.01	-	0.21	0.01	0.01	-	-	0.02	-	-	0.01	0.01	0.02	-	0.02
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	0.01	0.02	0.09	0.04	0.16	0.02	0.04	-	-	0.01	0.02	0.01	0.02	0.01	0.02	0.01	-	0.06	0.02	-
27	-	-	-	-	0.00	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-
28	0.01	0.02	0.01	0.01	0.13	0.02	-	-	-	0.01	0.01	-	-	-	-	-	-	0.01	0.01	0.00
29	0.33	0.08	0.09	0.12	0.08	0.08	0.07	0.12	0.06	0.06	0.16	0.19	0.08	0.01	0.10	0.06	-	0.06	0.07	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3.46	2.22	2.87	2.86	2.70	2.12	1.12	1.89	2.14	2.25	0.84	1.68	2.21	2.24	1.83	1.68	1.03	1.99	1.80	1.71

Network Average = 2.03 inches Imperial Valley Network The July 2023 network average is 53 percent of the 30-year (1993–2022) IVWA July network average of 3.80 inches. This was the sixth driest July recorded since data collection began in 1993.