



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 February 2024
April 17, 2024

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Raingage Network Operations

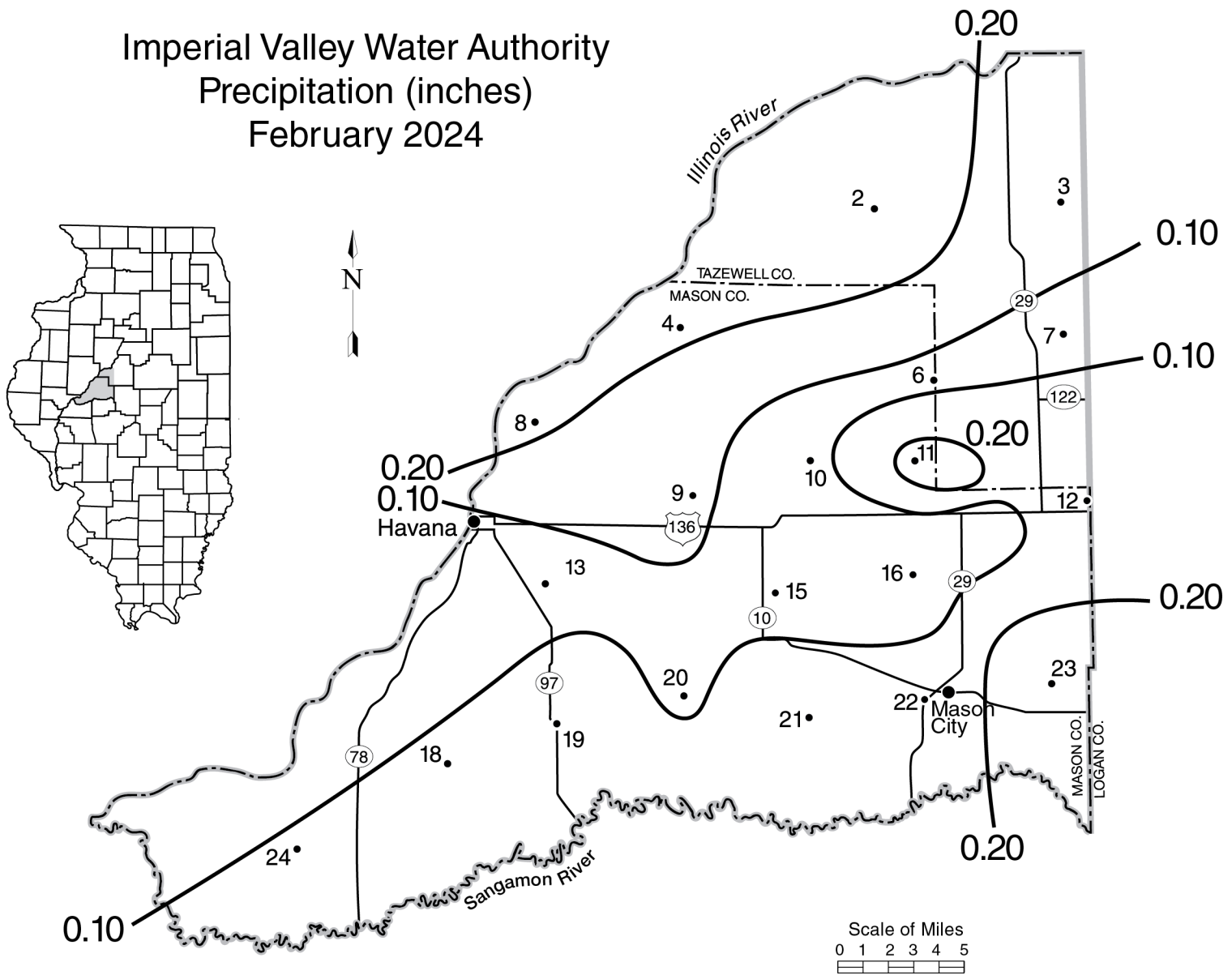
On April 4 and 10, Emily Winfield downloaded the February precipitation data. The collections were weighed. Data at site #6 are missing and were estimated for Feb 1 – 19. Precipitation data for gages #9 and #12 are downloaded by modem every hour to an Illinois State Water Survey server.

Data Analysis

The average network precipitation for February 2024 was 0.14 inches, which is well below the previous 31-year network average. Monthly gage totals varied 0.23 inches across the network, from 0.03 inches at site #10, southeast of Forest City, to 0.27 inches at site #2, south of Talbot. The 30-year (1991–2020) average precipitation amounts for the month of February at Havana and Mason City are 2.18 and 1.96 inches, respectively. The February 2024 network average of 0.14 inches is 8 percent of the 31-year (1993–2023) IVWA February network average of 1.77 inches.

February 2024 was the driest February since recording began in 1993. The next driest February (0.15 inches) was in 2006.

Imperial Valley Water Authority Precipitation (inches) February 2024



February 2024 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	0.01	0.01	-	0.02	0.02	0.02	0.02	-	0.05	0.01	< 0.01	< 0.01	< 0.01	-	0.01	-	0.02	-	< 0.01	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	0.02	-	< 0.01	< 0.01	-	0.01	-	0.01	0.01	-	0.01	-	-	-	0.01	0.03	-	0.05	-
9	-	-	-	< 0.01	-	-	-	-	0.01	-	-	-	< 0.01	-	-	0.01	0.01	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	0.02	-	< 0.01	0.01	-	-	0.01	-	< 0.01	-	-	-	-	-	0.01	-	-	-	-	-
14	0.01	-	-	-	-	< 0.01	-	-	-	0.01	-	-	-	-	-	0.01	-	-	-	-
15	0.01	-	< 0.01	0.01	0.02	0.01	-	< 0.01	< 0.01	-	-	0.03	0.01	0.01	0.01	0.01	< 0.01	< 0.01	-	0.01
16	0.19	0.06	0.19	0.03	0.02	0.16	-	0.02	0.04	0.06	0.02	0.03	0.02	0.10	0.16	0.01	-	0.08	0.10	0.12
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	< 0.01	-	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
22	0.01	0.03	-	-	0.01	-	0.04	0.01	0.08	0.02	0.01	-	-	-	-	-	0.07	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	0.01	-	-	-	0.01	< 0.01	0.01	-	-	0.02	-	-	-	-	-	< 0.01	-	-	-	-
25	-	-	0.01	-	-	-	0.01	-	-	-	-	-	0.01	0.01	-	-	-	0.01	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0.01	-	-	-	< 0.01	0.01	-	-	0.05	-	-	-	-	< 0.01	-	0.02	0.03	0.01	0.01	0.01
28	-	-	0.01	-	-	0.02	-	-	-	-	0.01	-	-	-	-	-	-	0.05	0.09	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0.27	0.12	0.21	0.07	0.09	0.22	0.11	0.03	0.25	0.13	0.04	0.06	0.04	0.12	0.19	0.08	0.17	0.15	0.25	0.15

Imperial Valley Network Average = 0.14 inches

The February 2024 network average is 8 percent of the 31-year (1993–2023) IVWA February network average of 1.77 inches. The next driest February (0.15 inches) was in 2006.