



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 November 2022
December 20, 2022

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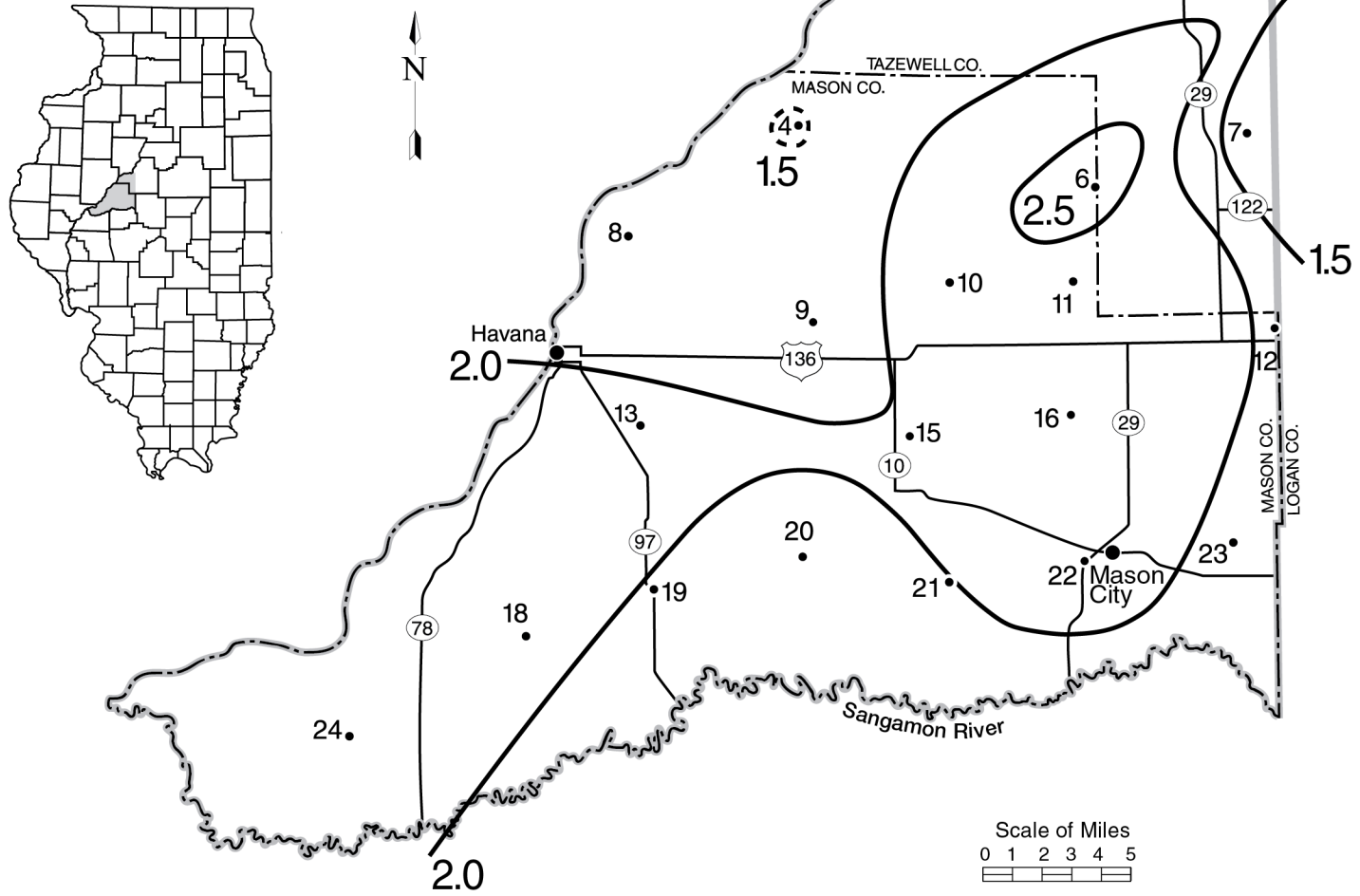
Raingage Network Operations

On December 2, Emily Winfield downloaded the data, weighed the precipitation collections, and emptied, cleaned, and tared the buckets at all the gages, except gage #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 November 2022 was 1.99 inches, which is below the previous 29-year network average. Monthly gage totals varied 1.54 inches across the network, from 1.27 inches at site #7, east of Green Valley, to 2.80 inches at site #6, southeast of Manito. The 30-year (1991–2020) average precipitation amounts for the month of November at Havana and Mason City are 2.73 and 2.78 inches, respectively. The November 2022 network average of 1.99 inches is 82 percent of the 30-year (1992–2021) IVWA November network average of 2.42 inches.

Imperial Valley Water Authority Precipitation (inches) November 2022



November 2022 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	0.29	0.55	0.31	0.70	0.23	0.16	-	0.21	0.52	0.11	0.32	0.34	0.57	0.19	0.20	0.22	0.38	0.58	0.26	0.23
5	0.13	0.25	0.10	0.27	0.17	0.20	0.24	0.17	0.18	0.46	0.15	0.12	0.22	0.19	0.19	0.16	0.27	0.37	0.33	0.26
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	0.01	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-
14	0.02	-	0.01	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-
15	0.09	0.01	0.05	0.06	0.05	0.10	0.03	0.10	0.05	0.03	0.01	0.04	0.05	0.06	0.07	0.03	-	0.02	0.03	0.05
16	0.02	0.01	0.01	0.03	0.02	0.01	0.03	-	-	0.01	-	-	0.01	0.02	0.03	0.01	-	0.03	0.01	0.00
17	0.02	0.05	0.02	-	0.03	-	-	-	0.01	-	0.01	-	-	0.01	0.01	0.02	-	0.01	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	0.01	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	0.00
25	-	0.01	-	-	-	0.02	-	0.01	0.01	0.01	0.01	0.01	0.01	-	0.02	0.01	0.01	-	-	0.00
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0.98	0.93	0.98	1.73	0.75	1.19	1.54	1.67	1.37	1.35	1.58	1.53	1.42	1.84	1.41	1.47	1.34	1.38	1.22	1.70
28	-	0.01	-	-	0.01	-	-	-	0.01	0.01	-	0.01	-	0.01	-	-	-	0.01	-	-
29	-	-	-	0.02	0.00	-	-	-	-	-	-	-	0.01	0.02	-	0.01	-	0.02	-	0.02
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monthly	1.55	1.80	1.48	2.80	1.27	1.69	1.84	2.16	2.15	1.98	2.08	2.05	2.28	2.34	1.93	1.93	2.00	2.42	1.86	2.27

Network Average = 1.99 Imperial Valley Network

The November 2022 network average is 82% of the 30-year (1992–2021) IVWA November network average of 2.42 inches.