



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 May 2022
June 20, 2022

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Raingage Network Operations

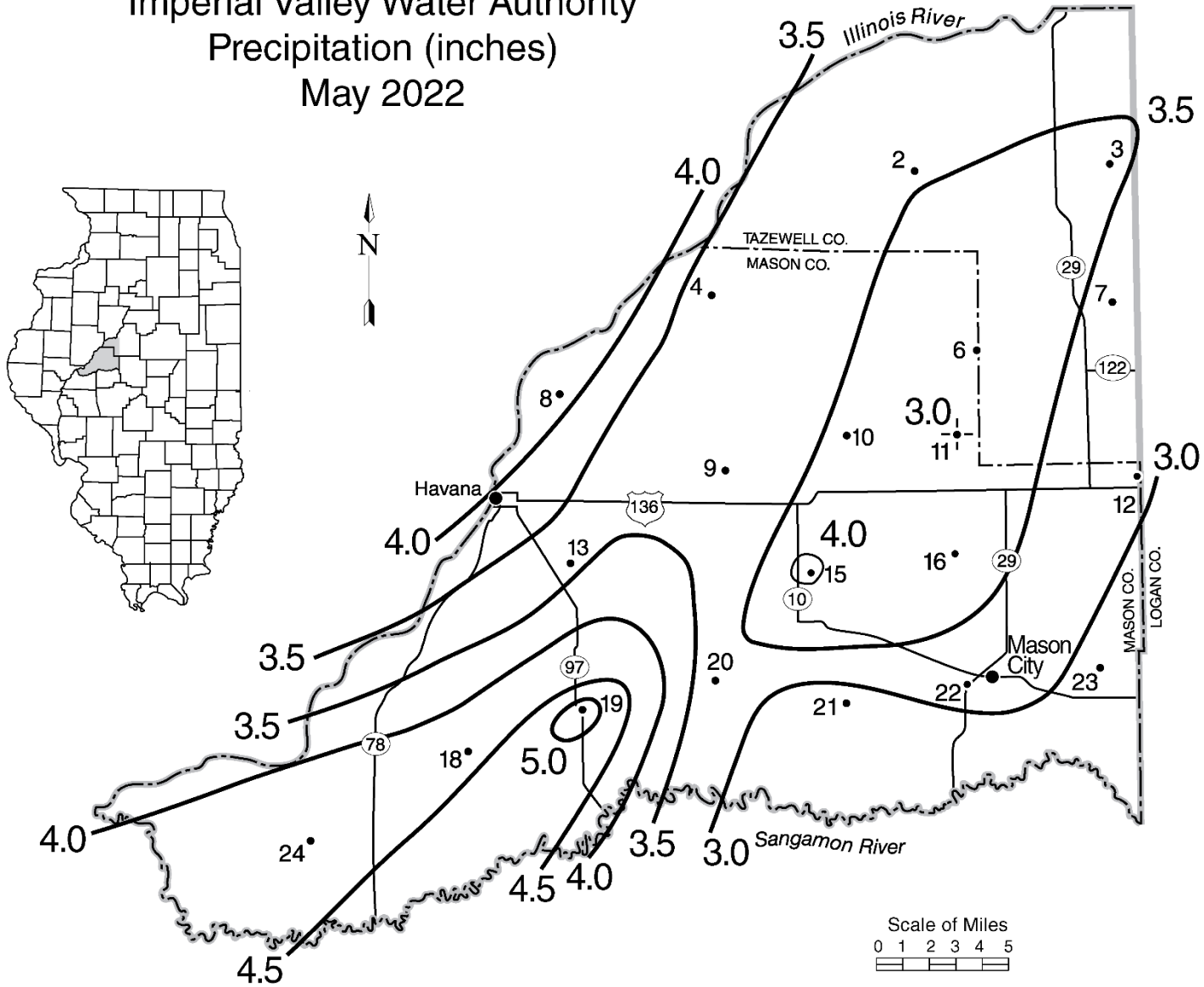
On June 1, Erin downloaded the data, weighed the precipitation collections, and emptied, cleaned, and tared the buckets at all the gages, except gages #9 and #12.

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 May 2022 was 3.60 inches, which is below the previous 29-year network average. Monthly gage totals varied 2.46 inches across the network, from 2.79 inches at site #21, south-southwest of Teheran, to 5.25 inches at site #19, north of Kilbourne. The 30-year (1991–2020) average precipitation amounts for the month of May at Havana and Mason City are 4.79 and 4.47 inches, respectively. The May 2022 network average of 3.60 inches is 84 percent of the 29-year (1993–2021) IVWA May network average of 4.30 inches.

Imperial Valley Water Authority Precipitation (inches) May 2022



May 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	0.02	0.04	0.02	0.03	0.01	0.05	-	0.01	0.01	0.01	-	0.02	0.01	0.09	0.04	0.04	0.01	0.01	0.01	0.03
3	0.43	0.62	0.41	0.58	0.55	0.42	0.39	0.51	0.51	0.58	0.16	0.60	0.62	0.40	0.47	0.53	0.40	0.66	0.63	0.51
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.01	-	-
5	0.74	0.74	0.82	0.98	0.83	0.78	0.83	0.77	0.92	0.71	0.82	0.89	0.81	0.92	0.91	0.80	0.80	0.76	0.78	0.97
6	0.04	0.11	0.07	0.11	0.06	0.06	0.08	0.03	0.04	0.08	0.03	0.02	0.05	0.04	0.05	0.03	0.09	0.05	0.06	0.04
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	0.04	-	-	-	0.01	0.60	0.02	-	-	-	0.01	0.01	-	0.15	0.02	0.10	-	0.01	-	0.08
14	-	0.02	-	0.01	-	0.02	0.01	-	0.01	0.02	0.02	-	-	0.02	0.02	0.02	0.02	0.01	0.01	0.01
15	0.02	-	0.06	0.03	0.02	0.03	-	0.01	-	-	-	0.04	0.01	0.03	0.01	-	-	0.01	-	0.05
16	0.03	0.03	0.02	0.03	0.02	0.02	-	0.02	0.01	0.01	0.02	0.01	0.03	0.02	0.03	-	0.04	0.04	-	-
17	0.04	0.01	0.08	0.05	0.03	0.10	0.01	0.06	0.01	-	-	0.11	0.04	0.16	0.14	0.01	-	0.08	-	0.18
18	0.22	0.11	0.01	0.13	0.13	0.04	-	0.04	-	0.02	0.07	0.05	0.05	0.09	0.10	0.05	0.06	0.10	0.04	0.07
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.13	0.14	0.09	0.30	0.13	0.08	0.38	0.39	0.21	0.38	0.32	0.50	0.55	0.35	0.58	0.31	0.21	0.17	0.03	0.37
21	0.46	0.55	0.40	0.73	0.63	0.43	0.61	0.69	0.66	0.99	0.69	0.94	0.98	0.99	0.99	0.82	0.79	1.02	0.92	0.94
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	0.54	0.50	0.36	0.33	0.28	0.44	0.26	0.34	0.27	0.13	0.37	0.47	0.30	0.34	0.66	0.30	0.03	0.25	0.27	0.52
26	0.39	0.43	0.60	0.21	0.40	1.12	0.34	0.39	0.17	0.08	1.10	0.13	0.12	0.27	1.04	0.02	0.23	0.03	0.01	0.29
27	0.35	0.30	0.23	0.30	0.28	0.20	0.24	0.31	0.17	0.15	0.21	0.26	0.15	0.19	0.19	0.16	0.07	0.13	0.09	0.09
28	0.01	0.01	0.01	0.01	0.01	0.01	-	0.02	0.02	0.01	0.01	-	-	0.01	-	0.01	0.03	-	0.02	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monthly	3.46	3.59	3.17	3.85	3.37	4.37	3.17	3.59	3.00	3.17	3.82	4.04	3.71	4.06	5.25	3.19	2.79	3.30	2.88	4.15

Network Average = 3.60 Imperial Valley Network