



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 2021
March 16, 2021

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Raingage Network Operations

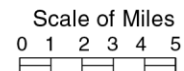
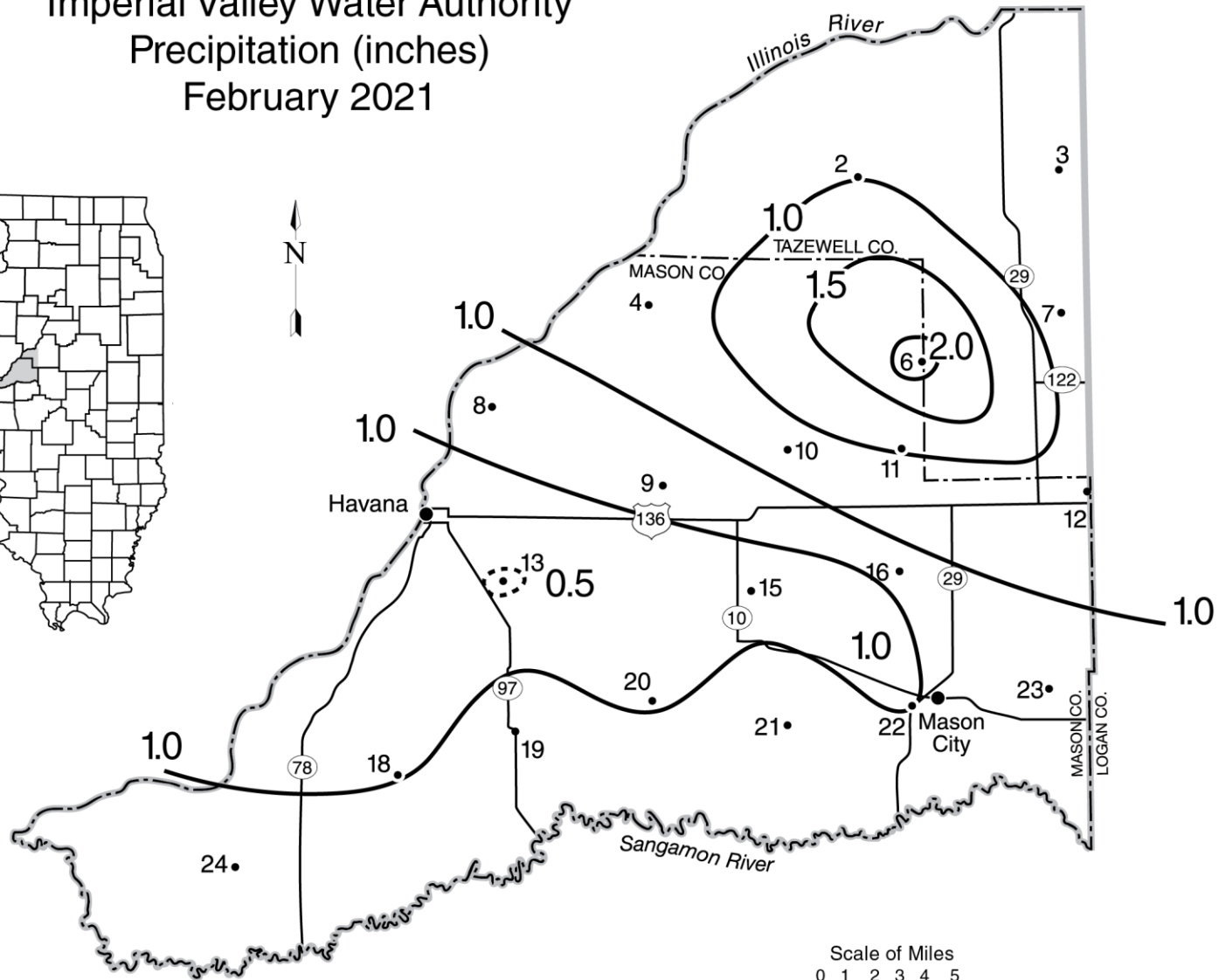
On March 1, Erin downloaded the data and weighed the precipitation collections for all gages, except #9.

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 2021 was 1.03 inches, which is well below the previous 28-year network average. Monthly gage totals varied 1.68 inches across the network, from 0.44 inches at site #13, southeast of Havana, to 2.12 inches at site #6, southeast of Manito. The 1981–2010 30-year average precipitation amounts for February at Havana and Mason City are 2.10 and 1.61 inches, respectively. The February 2021 network average of 1.03 inches is 60 percent of the 28-year (1993–2020) IVWA February network average of 1.73 inches.

Imperial Valley Water Authority Precipitation (inches) February 2021



February 2021 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	0.43	0.42	0.35	0.49	0.41	0.45	0.41	0.34	0.36	0.28	0.10	0.37	0.40	0.34	0.37	0.38	0.40	0.44	0.39	0.36
5	0.02	----	----	----	----	----	----	----	----	----	----	----	----	0.01	0.01	----	----	----	----	----
6	0.06	----	0.01	0.04	0.01	0.04	0.01	0.01	----	0.02	----	----	0.01	----	0.05	----	----	0.01	0.01	0.03
7	----	0.01	0.02	----	0.01	----	----	0.02	----	----	----	----	----	0.04	0.02	----	0.01	0.01	----	0.08
8	0.06	0.02	----	----	0.04	0.02	0.04	0.02	----	----	----	0.01	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.02
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	0.07	----	0.05	0.10	0.04	0.09	0.04	0.07	0.08	0.02	----	0.01	0.09	0.05	0.11	0.03	0.08	0.04	0.09	0.07
11	0.02	0.02	0.02	0.04	0.01	0.01	0.12	----	0.04	0.01	0.01	----	0.04	----	0.01	0.03	0.07	0.02	0.02	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	0.01	----	----	0.03	----	0.01	0.02	----	0.04	0.03	0.03	----	0.04	0.01	----	----	0.02	----	----	----
14	----	----	----	0.02	----	0.01	----	----	0.01	----	0.01	----	----	----	----	----	----	----	----	----
15	0.19	0.04	0.15	0.75	0.10	0.36	----	0.12	0.25	0.07	0.06	0.09	0.24	0.10	0.39	----	0.46	0.01	0.51	0.21
16	0.02	0.03	0.02	0.26	----	0.04	0.30	0.02	0.02	0.01	0.04	0.02	0.02	0.02	0.02	0.12	0.10	0.03	0.07	----
17	0.01	----	0.01	0.09	0.01	----	----	0.01	0.01	0.02	----	0.01	----	0.03	0.01	----	0.01	0.02	----	0.03
18	0.02	0.02	0.03	0.18	0.01	0.04	0.06	0.05	0.02	0.05	0.05	0.04	0.03	0.02	0.04	0.01	0.03	0.04	0.01	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	0.06	0.06	0.02	0.03	0.04	0.04	0.01	0.02	0.02	----	----	0.01	0.01	0.03	----	----	----	0.02	----	0.02
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	0.03	0.01	0.01	----	----	0.04	----	0.01	----	----	----	0.01	----	----	0.01	----	----	0.01	----	----
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
28	----	----	----	0.09	0.10	0.09	0.17	0.21	0.15	0.02	0.14	0.09	0.17	0.25	0.24	0.33	0.25	0.31	0.29	0.47
Monthly	1.00	0.63	0.69	2.12	0.78	1.24	1.18	0.90	1.00	0.53	0.44	0.66	1.08	0.94	1.32	0.93	1.47	1.00	1.43	1.29
Network Average =	1.03		Imperial Valley Network																	