



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 March 2020
June 3, 2020

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Raingage Network Operations

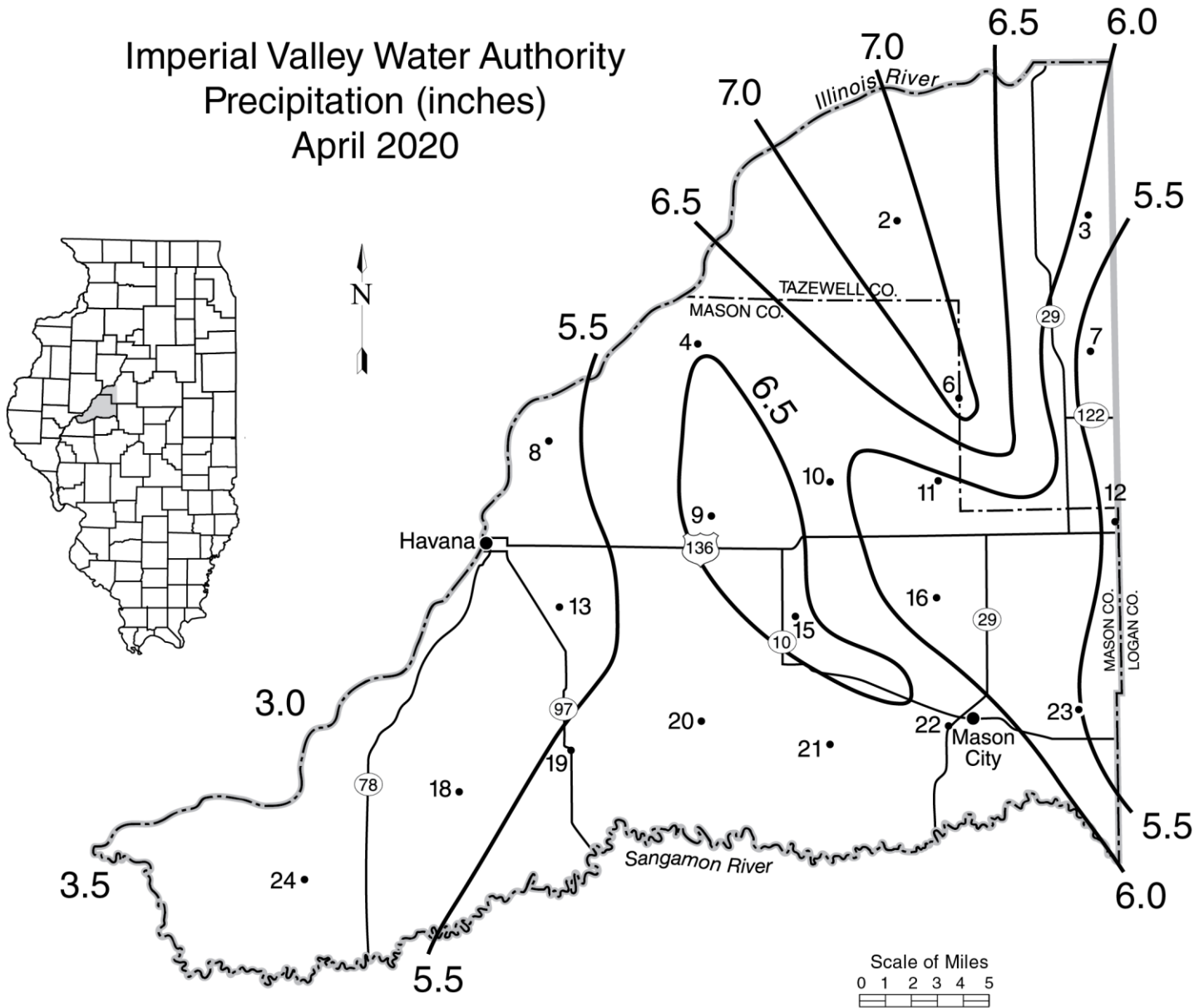
The retrieval of this data was delayed due to the Illinois Governor's Executive Order to stay at home to prevent the spread of the COVID-19 virus.

On May 8, Erin visited each raingage and downloaded the precipitation data collected since March 3rd, 2020. March 2020 precipitation data were retrieved along with the April 2020 data during the same visit. All gages operated properly. Collections were weighed and emptied at all sites. A new tare weight was recorded for each bucket.

Data Analysis

The average network precipitation for March 2020 was 2.02 inches, which is above the previous 27-year network average. Monthly gage totals varied 0.89 inches across the network, from 1.91 inches at site #18, located just south of Sand Prairie Scrub Oak Nature Preserve, to 2.80 inches at site #6, southwest of Manito. The 1981–2010 30-year average precipitation amounts for March at Havana and Mason City are 2.81 and 2.49 inches, respectively. The March 2020 network average of 2.02 inches is 89 percent of the previous 27-year (1993–2019) IVWA March network average of 2.26 inches.

Imperial Valley Water Authority Precipitation (inches) April 2020



March 2020 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	0.02	0.02	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	0.62	0.56	0.56	0.87	0.72	0.69	0.65	0.68	0.68	0.61	0.58	0.59	0.53	0.45	0.51	0.49	0.55	0.62	0.55	0.58
10	0.04	0.05	0.03	0.04	0.04	----	----	0.02	0.01	0.03	----	0.01	0.03	0.02	----	----	----	----	0.03	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.03	0.01	0.03	0.05	0.02	0.02	----	0.01	0.01	0.03	0.06	0.01	0.04
13	----	----	----	----	0.01	----	----	----	----	----	----	0.02	----	0.01	0.01	----	----	----	----	----
14	0.55	0.53	0.70	0.62	0.59	0.45	0.44	0.37	0.49	0.40	0.49	0.36	0.39	0.26	0.35	0.30	0.35	0.23	0.26	0.27
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	0.06	0.05	0.04	0.04	0.01	0.05	0.05	0.03	0.04	0.01	0.07	0.03	0.07	0.04	0.07	0.08	0.03	0.05	0.01	0.10
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	0.36	0.45	0.33	0.42	0.38	0.31	0.30	0.33	0.35	0.24	0.36	0.38	0.37	0.37	0.36	0.39	0.40	0.48	0.33	0.41
19	0.30	0.39	0.24	0.46	0.38	0.16	0.46	0.38	0.29	0.50	0.32	0.38	0.38	0.28	0.31	0.39	0.39	0.59	0.47	0.29
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
22	0.04	0.03	0.01	0.03	----	0.04	0.11	----	0.07	0.02	0.02	0.07	0.06	0.10	0.09	0.07	0.01	0.09	0.03	0.15
23	0.08	0.12	0.07	0.08	0.08	0.05	0.02	0.08	0.06	----	0.08	0.03	0.04	0.03	0.03	0.02	0.02	0.03	0.02	----
24	----	0.01	----	----	0.01	----	----	----	0.01	----	----	----	----	----	----	0.01	0.01	----	0.01	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
27	0.04	0.03	0.03	0.09	0.10	0.07	0.02	0.02	0.05	0.01	0.04	0.07	0.12	0.09	0.09	0.07	0.08	0.06	0.06	0.17
28	0.33	0.16	0.32	0.13	0.10	0.33	0.19	0.17	0.11	0.09	0.16	0.15	0.15	0.26	0.14	0.17	0.12	0.15	0.15	0.40
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Monthly	2.45	2.41	2.34	2.80	2.44	2.16	2.26	2.11	2.17	1.94	2.17	2.11	2.16	1.91	1.97	2.00	1.99	2.36	1.93	2.41

Network Average = 2.20 Imperial Valley Network