



PRAIRIE RESEARCH INSTITUTE

Illinois State Water Survey
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OPERATION OF THE IMPERIAL VALLEY WATER AUTHORITY (IVWA) PRECIPITATION NETWORK

Monthly Progress Report for February 2020
March 19, 2020

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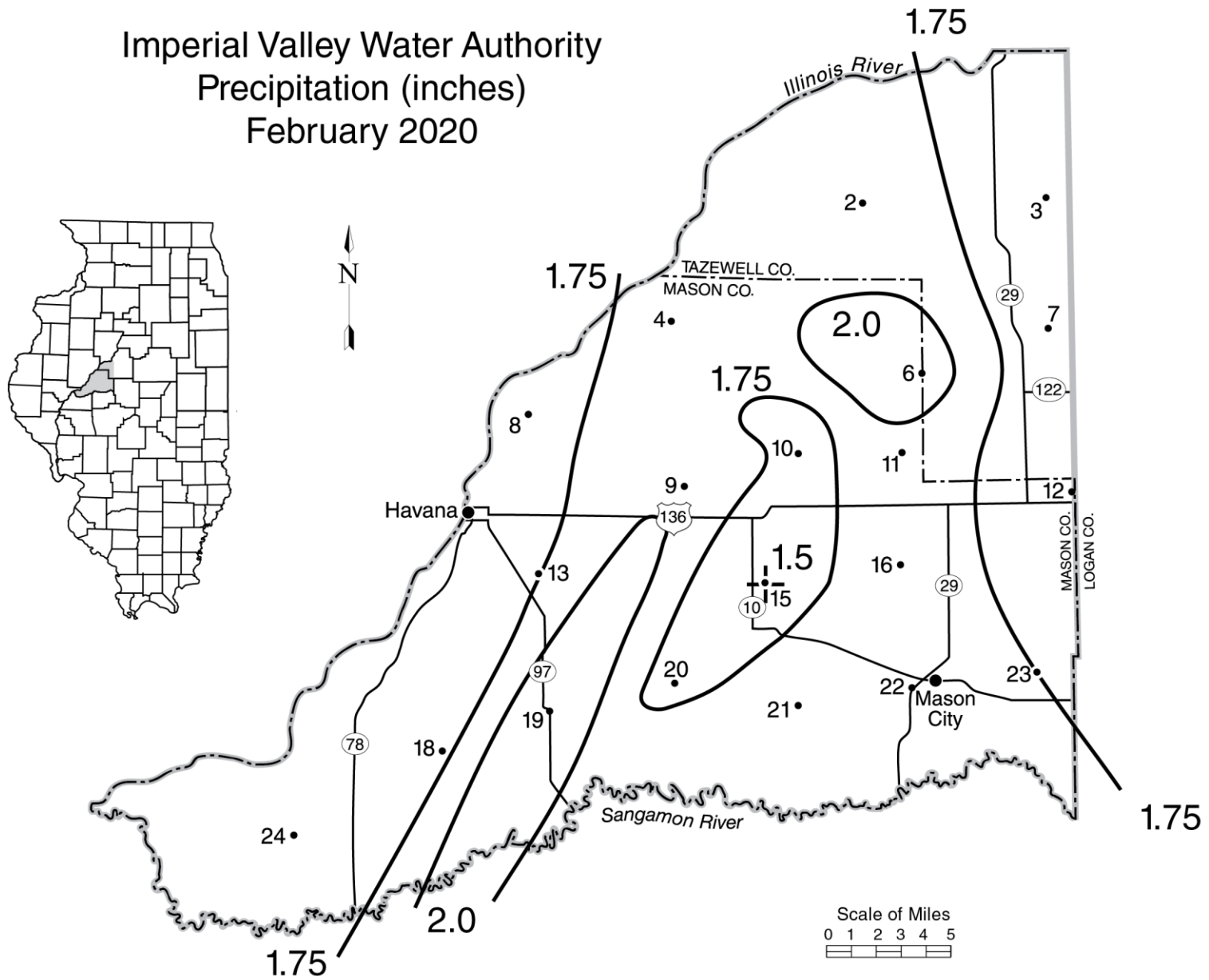
Raingage Network Operations

On March 3, Erin downloaded the precipitation data. All gages operated properly during the month. Collections were weighed and emptied at all sites, except for sites #9 and #12. A new tare weight was recorded for each bucket. Evaporation shields were reinstalled. The gage at site #18 was replaced with another gage and calibrated. The replacement gage was drip tested in the workshop the previous week.

Data Analysis

The average network precipitation for February 2020 was 1.79 inches, which is slightly above the previous 27-year network average. Monthly gage totals varied 0.79 inches across the network, from 1.50 inches at site #15, south of Biggs, to 2.29 inches at site #19, north of Easton, and 2.14 inches at site #6, southwest 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 2020 network average of 1.79 inches is 104 percent of the 27-year (1993–2019) IVWA February network average of 1.73 inches.

Imperial Valley Water Authority Precipitation (inches) February 2020



February 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	----	----	0.01	0.02	----	0.02	0.01	0.01	----	----	0.01	----	----	----	----	0.01	0.01	0.03	----	----
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	0.16	0.03	0.09	0.13	0.04	0.08	0.19	0.07	0.13	0.09	0.08	0.03	0.22	0.11	0.23	0.07	0.28	0.06	0.07	----
6	0.04	0.07	0.05	0.05	0.05	0.04	0.07	0.08	0.07	0.06	0.07	0.04	0.06	0.06	0.07	0.03	0.07	0.05	0.04	----
7	0.01	0.01	----	----	----	0.03	----	----	----	0.01	----	----	----	----	0.05	0.01	0.02	0.03	----	0.04
8	0.02	0.01	0.01	0.01	----	0.02	----	----	----	0.01	----	0.01	----	----	0.01	----	0.02	0.01	----	----
9	0.24	0.24	0.21	0.22	0.16	0.18	0.22	0.12	0.18	0.13	0.15	0.16	0.14	0.15	0.15	0.19	0.11	0.17	0.16	0.16
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	0.02	----	----	----	----	----	----	----	0.01	0.01	----	----	----	0.02	----	0.01	0.02	0.05	----
12	0.31	0.28	0.26	0.29	0.25	0.35	0.36	0.28	0.31	0.26	0.30	0.26	0.29	0.27	0.39	0.27	0.22	0.29	0.23	0.35
13	0.01	0.01	0.01	0.03	0.01	----	0.01	----	0.01	0.07	0.02	0.01	0.03	0.04	----	0.01	0.03	0.01	0.12	----
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	0.15	0.11	0.14	0.16	0.08	0.13	0.20	0.13	0.13	0.06	0.13	0.20	0.19	0.15	0.26	0.23	0.20	0.25	0.24	0.27
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	0.65	0.62	0.62	0.81	0.62	0.64	0.48	0.57	0.62	0.39	0.56	0.49	0.54	0.50	0.54	0.48	0.50	0.49	0.33	0.61
25	0.20	0.23	0.30	0.32	0.27	0.14	0.31	0.34	0.34	0.30	0.31	0.25	0.41	0.31	0.34	0.29	0.35	0.31	0.27	0.19
26	0.03	0.03	0.08	0.09	0.03	0.01	0.11	0.07	0.12	0.11	0.08	0.02	0.07	0.08	0.20	0.07	0.16	0.03	0.24	0.07
27	----	0.01	0.01	----	----	----	----	0.01	----	0.01	----	----	----	----	----	----	----	----	----	----
28	----	----	0.04	0.01	----	----	----	----	----	0.01	----	----	----	----	0.02	----	----	0.02	----	----
29	0.01	----	0.03	----	----	----	----	----	0.01	0.01	0.02	0.02	0.01	----	0.01	----	0.01	----	----	----
Monthly	1.83	1.67	1.86	2.14	1.51	1.64	1.96	1.68	1.92	1.53	1.74	1.50	1.96	1.67	2.29	1.66	1.99	1.77	1.75	1.69

Network Average = 1.79 Imperial Valley Network