



PRAIRIE RESEARCH INSTITUTE

Illinois State Water Survey
2204 Griffith Drive
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OPERATION OF THE IMPERIAL VALLEY WATER AUTHORITY (IVWA) PRECIPITATION NETWORK

Monthly Progress Report for November 2020
December 16, 2020

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Raingage Network Operations

On December 2, Erin downloaded the data and weighed the precipitation collections for all gages, except for gage #9. Data logger batteries were changed at gages #3, #4, #8, #10, and #20. Gage #12 calibrated with coefficient of 0.99999.

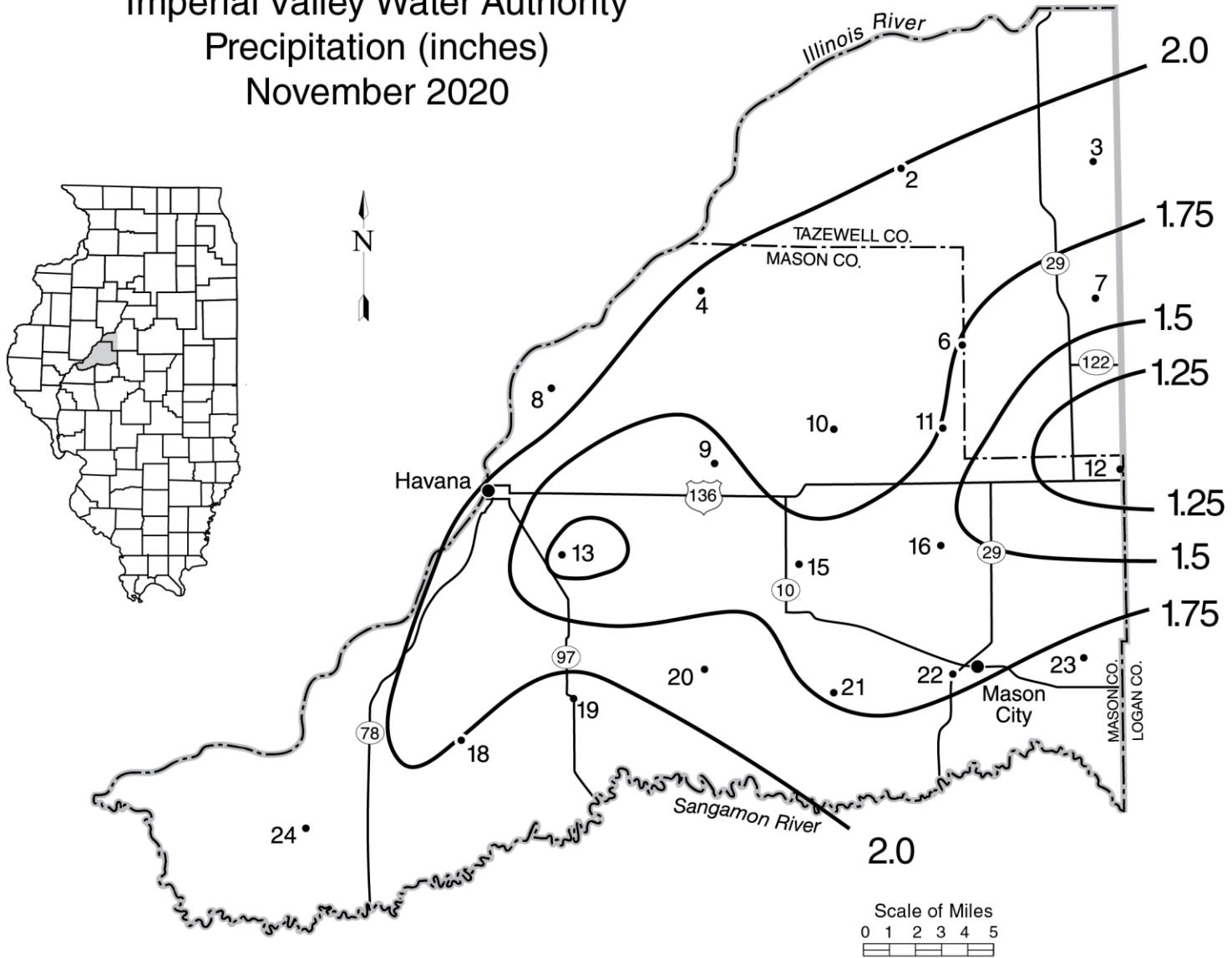
Precipitation data for gages #9 and #12 are downloaded by modem every hour.

Data Analysis

Gage #22 did not collect data since battery change on November 6 due to an issue with the restart of the logger. Precipitation data for gage #22 were interpolated from nearby gage 15-minute precipitation values.

The average network precipitation for November 2020 was 1.78 inches, which is well below the previous 28-year network average. Monthly gage totals varied 1.08 inches across the network, from 1.07 inches at site #12, north of San Jose, to 2.05 inches at site #19, north of Kilbourne. The 1981–2010 30-year average precipitation amounts for November at Havana and Mason City are 3.24 and 3.11 inches, respectively. The November 2020 network average of 1.78 inches is 71 percent of the 28-year (1992–2019) IVWA November network average of 2.52 inches.

Imperial Valley Water Authority Precipitation (inches) November 2020



November 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	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
10	0.65	0.66	0.62	0.59	0.64	0.69	0.73	0.69	0.63	0.26	0.47	0.44	0.41	0.61	0.57	0.49	0.17	0.36	0.29	0.50	
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
14	0.21	0.28	0.23	0.16	0.13	0.26	0.20	0.14	0.15	0.02	0.10	0.18	0.17	0.16	0.21	0.25	0.13	0.23	0.35	0.30	
15	0.04	0.02	0.01	----	----	0.02	0.02	0.03	0.01	0.05	0.01	0.01	----	0.01	----	0.02	0.01	----	----	----	
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
21	0.08	0.09	0.09	0.15	0.12	0.11	----	0.15	0.13	0.04	0.01	0.20	0.25	0.27	0.28	0.28	0.40	0.38	0.46	0.39	
22	0.12	0.14	0.15	0.16	0.12	0.13	----	0.15	0.12	0.17	0.15	0.14	0.12	0.15	0.17	0.12	0.21	0.14	0.12	0.13	
23	0.16	0.18	0.18	0.17	0.14	0.21	0.21	0.21	0.19	0.07	0.15	0.24	0.20	0.20	0.18	0.18	0.10	0.18	0.16	0.28	
24	0.61	0.48	0.59	0.41	0.35	0.52	0.42	0.36	0.33	0.35	0.42	0.31	0.26	0.38	0.33	0.32	0.39	0.33	0.30	0.33	
25	0.13	0.11	0.09	0.17	0.13	0.12	0.14	0.16	0.20	0.11	0.10	0.18	0.16	0.19	0.41	0.14	0.14	0.13	0.18	0.12	
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Monthly	2.00	1.96	1.96	1.81	1.63	2.06	1.72	1.89	1.76	1.07	1.41	1.70	1.57	1.97	2.15	1.80	1.55	1.75	1.86	2.05	
Network Average =	1.78		Imperial Valley Network																		