



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 October 2019
November 14, 2019

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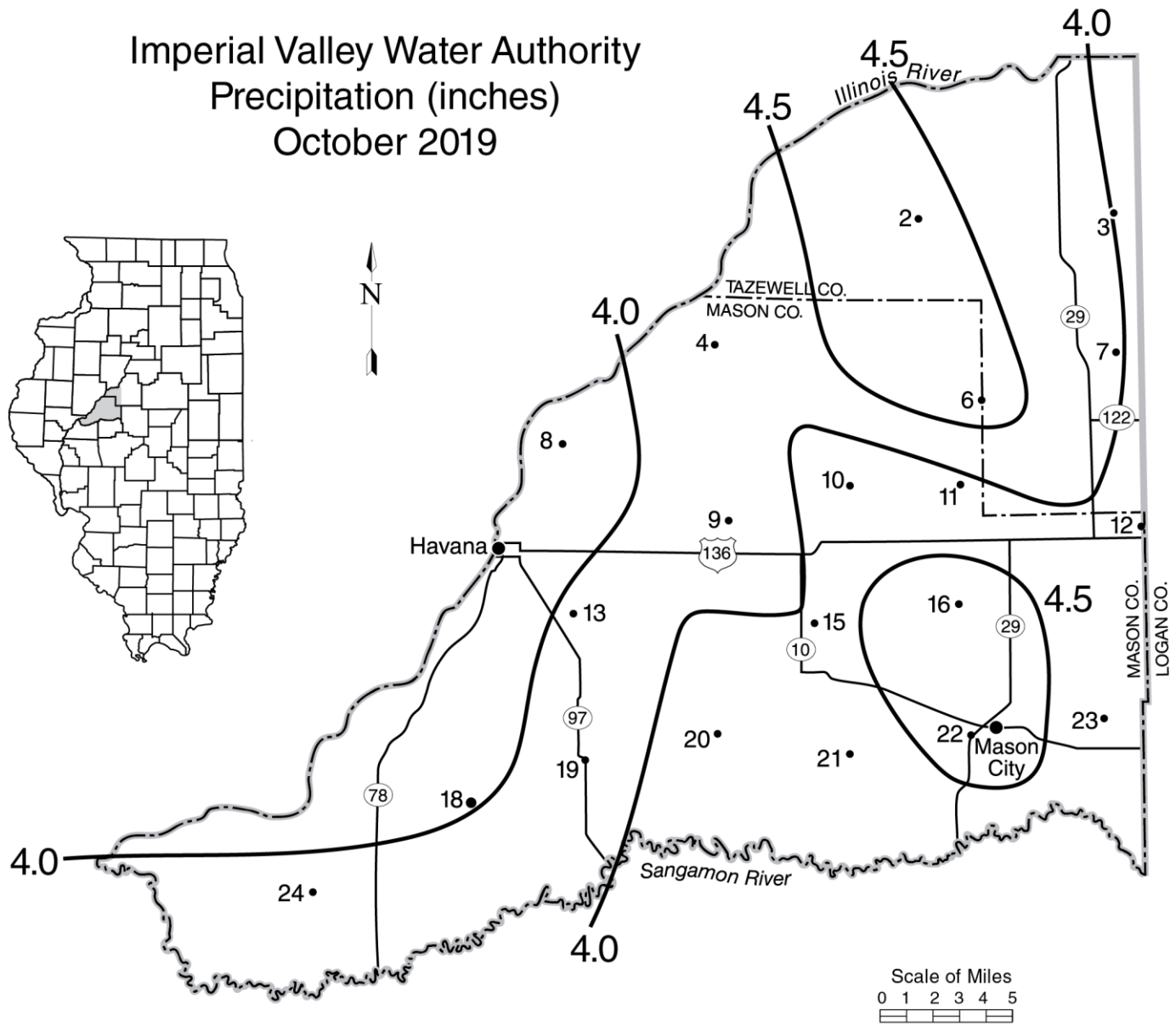
Raingage Network Operations

On November 1, Hayden Wennerdahl serviced all gages and downloaded the data. All buckets were weighed, emptied, and prepared for winter temperatures and snowfall. All gages operated properly during the month.

Data Analysis

The average network precipitation for October 2019 was 4.06 inches, which is well above the previous 27-year network average. The largest monthly gage totals were in the northern third of the network. Monthly gage totals varied 0.99 inches across the network, from 3.71 inches at site #12, near San Jose to 4.70 inches at site #6, southeast of Manito. The 1981–2010 30-year average precipitation amounts for October at Havana and Mason City are 3.04 and 2.87 inches, respectively. The October 2019 network average of 4.06 inches is 179 percent of the 27-year (1992–2018) IVWA October network average of 2.82 inches.

Imperial Valley Water Authority Precipitation (inches) October 2019



October 2019 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	0.20	0.01	0.18	0.07	----	0.19	0.09	0.02	0.09	0.04	0.07	0.15	0.07	0.05	0.03	0.01	0.01	0.01	----	0.06
3	0.12	0.06	0.14	0.17	0.20	0.17	0.19	0.20	0.15	0.07	0.12	0.13	0.15	0.32	0.26	0.16	0.14	0.19	0.10	0.33
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	0.23	0.23	0.23	0.14	0.09	0.21	0.11	0.08	0.07	0.14	0.08	0.09	0.09	0.03	0.09	0.06	0.05	0.19	0.11	0.11
6	----	0.02	0.02	0.05	0.01	0.03	0.02	0.03	0.01	0.02	0.03	0.01	0.02	0.01	0.04	0.02	0.02	0.05	0.02	0.01
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	0.07	0.01	0.04	0.08	0.06	0.05	0.06	0.06	0.07	0.03	0.05	0.09	0.08	0.10	0.11	0.08	0.07	0.11	0.04	0.15
11	0.07	0.11	0.08	0.06	0.07	0.04	0.08	0.05	0.06	0.05	0.04	0.07	0.09	0.07	0.07	0.07	0.09	0.10	0.04	0.07
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	0.45	0.20	0.32	0.35	0.22	0.32	0.30	0.29	0.28	0.23	0.35	0.46	0.32	0.47	0.36	0.31	0.47	0.40	0.31	0.43
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	1.47	1.62	1.38	1.97	1.79	1.01	1.50	1.51	1.65	1.81	1.36	1.44	1.72	1.19	1.45	1.49	1.66	1.69	1.92	1.18
27	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.03	----	0.04	0.03	0.01	0.02	0.02	0.02	0.01	0.03	0.04	0.01	----
28	0.05	0.02	0.03	0.01	----	----	0.02	0.01	0.02	----	----	0.01	----	0.01	----	----	0.01	----	----	0.05
29	0.11	0.09	0.11	0.12	0.12	0.13	0.13	0.12	0.15	0.12	0.16	0.17	0.18	0.24	0.25	0.22	0.18	0.20	0.23	0.25
30	1.70	1.42	1.74	1.58	1.38	1.47	1.53	1.32	1.29	1.06	1.61	1.20	1.21	1.27	1.31	1.19	1.07	0.98	1.05	1.33
31	0.19	0.16	0.04	0.09	0.09	0.09	0.27	0.05	0.08	0.10	0.15	0.11	0.18	0.15	0.25	0.12	0.02	0.16	0.09	0.09
Monthly	4.68	3.97	4.33	4.70	4.04	3.73	4.31	3.77	3.92	3.71	4.05	3.94	4.13	3.93	4.24	3.74	3.82	4.12	3.92	4.06

Network Average = 4.06 Imperial Valley Network