



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 2019
December 18, 2019

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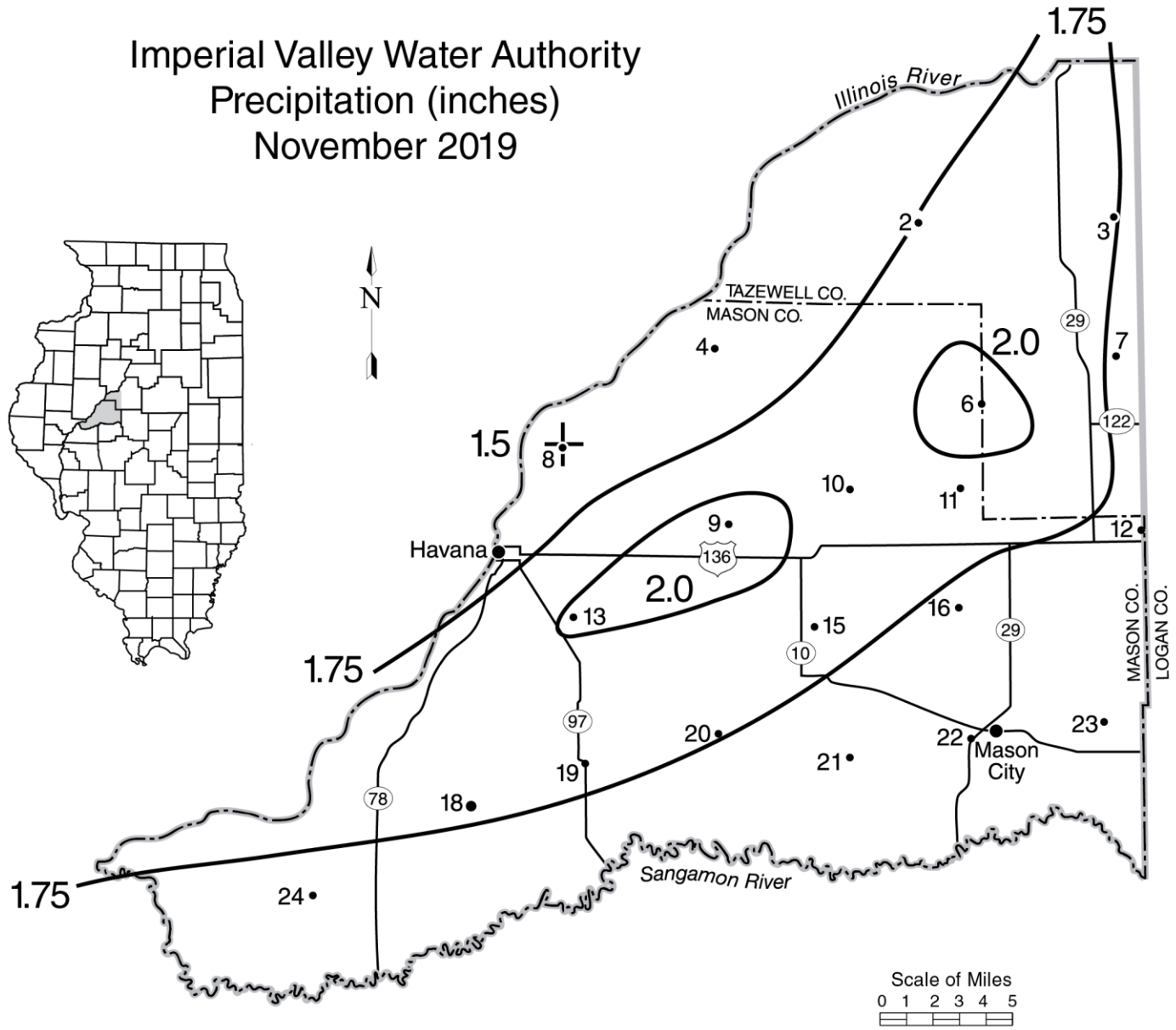
Raingage Network Operations

On December 5, Hayden Wennerdahl downloaded the data. All buckets were weighed. All gages operated properly during the month.

Data Analysis

The average network precipitation for November 2019 was 1.77 inches, which is below the previous 27-year network average. The largest monthly gage totals were in the center of the network. Monthly gage totals varied 0.63 inches across the network, from 1.50 inches at site #8, north of Havana to 2.13 inches at site #9 at the State Tree Nursery, southeast of Topeka. 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 2019 network average of 1.77 inches is 82 percent of the 27-year (1992–2018) IVWA November network average of 2.54 inches.

Imperial Valley Water Authority Precipitation (inches) November 2019



November 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	0.06	0.01	0.08	0.10	0.02	0.02	0.01	0.02	0.01	----	0.05	0.01	0.01	0.02	0.02	----	0.05	0.03	0.12	0.01
2	0.02	0.02	0.01	0.04	0.04	0.01	0.03	0.02	0.02	0.04	0.01	0.04	0.04	0.04	0.03	0.02	0.01	0.03	0.01	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	0.10	0.06	0.14	0.21	0.11	0.04	0.16	0.12	0.18	0.13	0.14	0.09	0.19	0.19	0.24	0.10	0.21	0.07	0.19	0.12
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	0.12	0.12	0.13	0.11	0.12	0.14	0.14	0.12	0.14	0.13	0.12	0.13	0.12	0.10	0.10	0.12	0.11	0.12	0.09	0.13
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	0.10	0.13	0.04	0.07	0.09	0.04	0.07	0.04	0.05	----	0.04	0.07	0.06	0.02	0.03	0.05	0.05	0.05	0.05	----
20	0.02	0.01	0.02	0.03	0.02	0.03	0.03	0.01	0.02	0.01	0.04	0.02	0.01	0.03	0.01	0.01	0.02	0.02	0.01	----
21	0.37	0.48	0.24	0.38	0.30	0.25	0.39	0.28	0.39	0.19	0.37	0.26	0.19	0.19	0.20	0.28	0.19	0.27	0.19	0.20
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	0.01	----	0.01	0.01	----	----	0.02	0.02	0.03	0.02	0.03	0.04	0.04	0.05
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	0.04	0.01	0.03	0.05	0.03	0.04	0.02	0.03	0.07	0.01	0.02	0.05	0.04	0.03	0.02	0.05	0.03	0.02	0.02	----
27	0.01	0.05	0.01	----	0.02	----	0.04	0.01	0.01	0.10	0.01	0.03	0.01	0.03	0.03	0.01	0.01	0.06	0.04	0.02
28	0.01	----	0.01	----	----	----	0.01	----	----	----	----	----	----	----	----	----	----	----	----	----
29	0.41	0.39	0.45	0.45	0.38	0.41	0.49	0.45	0.44	0.54	0.55	0.55	0.46	0.52	0.49	0.56	0.34	0.37	0.38	0.49
30	0.50	0.48	0.52	0.68	0.56	0.52	0.73	0.73	0.59	0.54	0.68	0.63	0.53	0.59	0.59	0.53	0.48	0.51	0.50	0.69
Monthly	1.76	1.76	1.68	2.12	1.69	1.50	2.13	1.83	1.93	1.70	2.03	1.88	1.68	1.78	1.79	1.75	1.53	1.59	1.64	1.71
Network Average =	1.77		Imperial Valley Network																	