



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 January 2019

February 19, 2019

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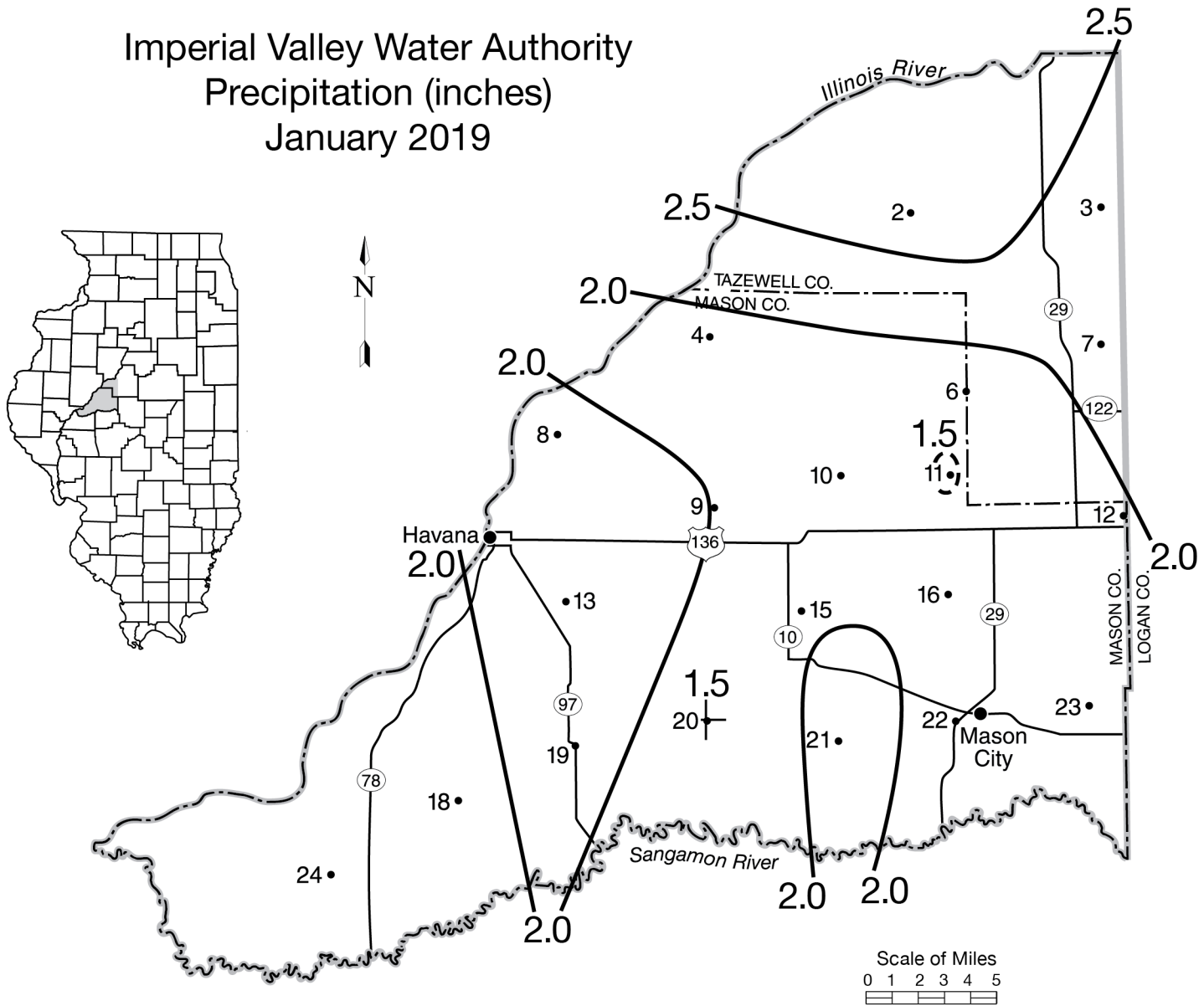
Raingage Network Operations

On February 4, 2019, Dana Grabowski serviced all gages and downloaded the digital data. All of the buckets were weighed and the new tare weight for each bucket was recorded. The batteries at sites #8 and #12 were replaced.

Data Analysis

The average network precipitation for January 2019 was 1.96 inches, which is slightly above the previous 26-year network average. The largest monthly gage total was in the northern portion of the network. Monthly gage totals varied 1.24 inches across the network, from 1.49 inches at site #11, between Forest City and San Jose, to 2.73 inches at site #2, north of Manito. The 1981–2010 30-year average precipitation amounts for January at Havana and Mason City are 2.08 and 1.92 inches, respectively. The January 2019 network average of 1.96 inches is 106 percent of the 26-year (1993–2017) IVWA January network average of 1.85 inches.

Imperial Valley Water Authority Precipitation (inches) January 2019



January 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	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
4	----	----	----	0.01	----	0.01	0.01	----	----	----	----	----	----	----	----	0.01	0.02	0.03	0.01	----	
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
7	0.25	0.28	0.11	0.13	0.14	0.12	0.16	0.07	----	0.05	0.12	0.10	0.08	0.10	0.13	0.07	0.04	0.09	----	0.11	
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
11	----	----	----	----	----	----	0.01	----	----	----	0.04	----	----	----	0.08	0.01	----	----	----	0.12	
12	1.10	0.84	0.61	0.34	0.71	0.70	0.61	0.56	0.33	0.65	0.93	0.48	0.57	0.57	0.87	0.36	0.40	0.45	0.29	0.61	
13	0.06	0.03	0.06	0.04	0.09	0.09	0.05	0.03	0.08	0.01	0.07	0.04	0.02	0.06	0.10	0.06	0.30	0.06	0.12	0.02	
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
17	0.02	0.03	0.03	0.06	0.05	0.06	0.08	0.04	0.03	0.04	0.07	0.07	0.09	0.09	0.11	0.07	0.06	0.10	0.07	0.15	
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
19	0.12	0.14	0.19	0.08	0.14	0.17	0.15	0.06	0.14	0.16	0.22	0.09	0.19	0.17	0.26	0.09	0.47	0.12	0.35	0.16	
20	0.01	----	----	----	0.02	----	----	0.02	0.01	----	----	----	----	0.01	----	0.01	----	0.01	----	----	
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
22	0.56	0.61	0.44	0.56	0.47	0.44	0.46	0.40	0.45	0.52	0.39	0.37	0.43	0.37	0.42	0.37	0.29	0.41	0.33	0.36	
23	0.40	0.34	0.33	0.38	0.46	0.37	0.37	0.39	0.39	0.41	0.36	0.40	0.38	0.33	0.34	0.38	0.48	0.49	0.53	0.33	
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
25	0.03	----	0.01	0.02	----	----	----	----	----	----	0.02	----	----	0.02	----	----	0.02	----	0.04	0.04	
26	0.01	----	0.01	0.01	----	----	----	0.01	----	0.01	----	0.01	0.02	0.01	0.02	0.02	0.01	----	----	0.01	
27	----	----	0.01	----	----	----	----	0.01	----	0.01	----	----	----	----	----	----	----	----	----	----	
28	0.17	0.14	0.07	0.10	0.07	0.09	0.10	0.06	0.06	0.11	0.05	0.09	0.09	0.03	0.07	0.05	0.06	0.08	0.10	0.08	
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Monthly	2.73	2.41	1.86	1.74	2.15	2.05	2.00	1.65	1.49	1.97	2.25	1.67	1.87	1.74	2.42	1.50	2.13	1.86	1.80	1.99	
Network Average =	1.96		Imperial Valley Network																		