



PRAIRIE RESEARCH INSTITUTE

Illinois State Water Survey
2204 Griffith Drive
Champaign, IL 61820

OPERATION OF THE IMPERIAL VALLEY WATER AUTHORITY (IVWA) PRECIPITATION NETWORK

Monthly Progress Report for February 2019

March 14, 2019

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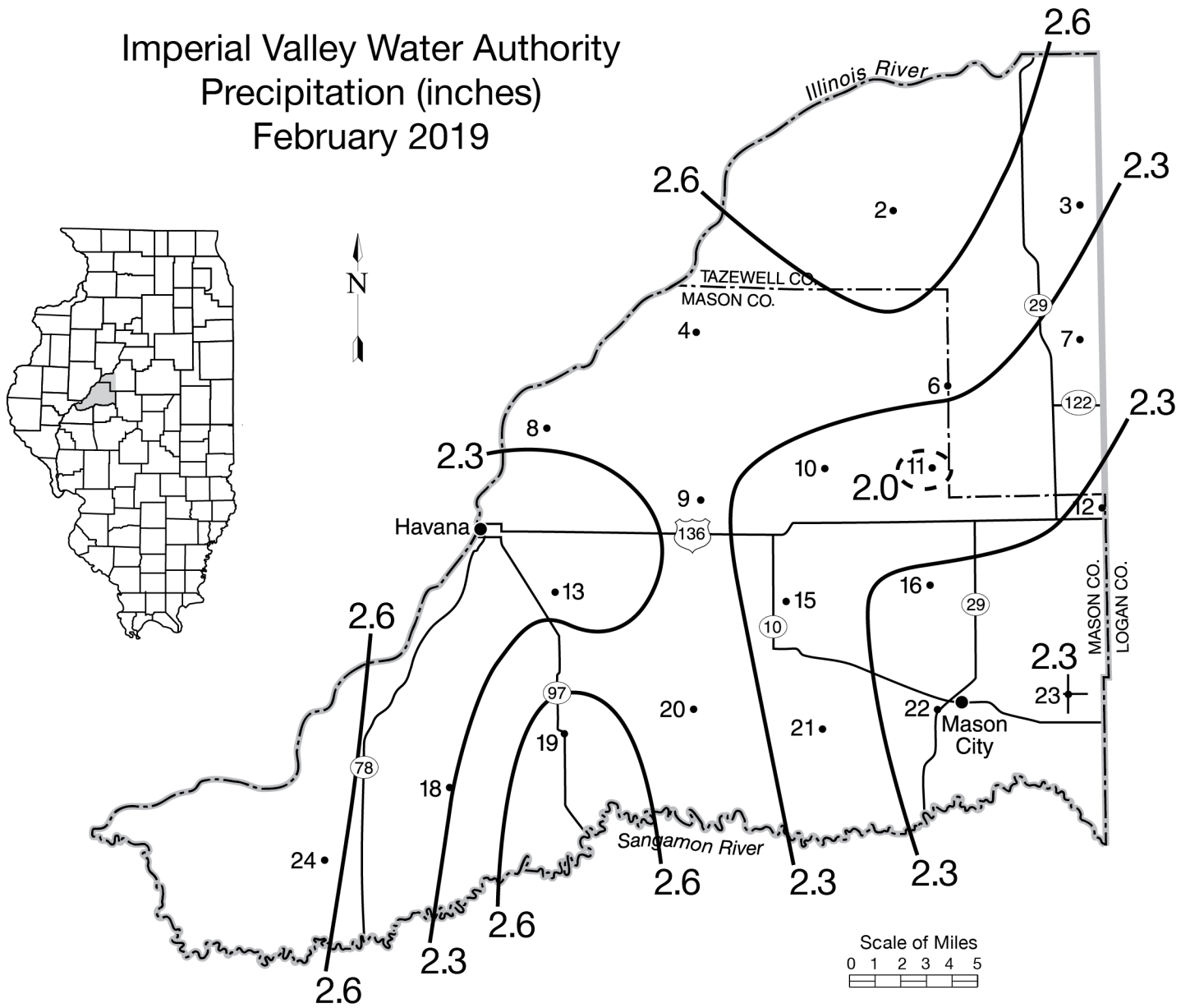
Raingage Network Operations

On March 6, 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 #6, #16, #18, and #19 were replaced.

Data Analysis

The average network precipitation for February 2019 was 2.36 inches, which is above the previous 26-year network average. The largest monthly gage total was in the northern portion of the network. Monthly gage totals varied 0.86 inches across the network, from 1.94 inches at site #11, between Forest City and San Jose, to 2.83 inches at site #2, north 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 2019 network average of 2.36 inches is 139 percent of the 26-year (1993–2017) IVWA February network average of 1.70 inches.

Imperial Valley Water Authority Precipitation (inches) February 2019



February 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	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
5	0.25	0.18	0.14	0.17	0.39	0.13	0.17	0.11	0.22	0.11	0.32	0.25	0.13	0.21	0.26	0.18	0.07	0.08	0.05	0.17	
6	0.28	0.21	0.11	0.39	0.08	0.30	0.24	0.31	0.07	0.44	0.05	0.16	0.43	0.27	0.23	0.44	0.48	0.51	0.58	0.58	
7	0.42	0.38	0.42	0.36	0.36	0.39	0.49	0.43	0.42	0.58	0.54	0.48	0.57	0.60	0.60	0.61	0.58	0.65	0.57	0.58	
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
10	0.04	0.03	----	0.01	----	----	0.04	----	----	0.01	0.02	0.03	0.01	0.01	0.06	0.01	0.01	0.03	----	0.07	
11	0.62	0.59	0.54	0.58	0.59	0.32	0.59	0.52	0.56	0.52	0.59	0.56	0.53	0.57	0.67	0.52	0.43	0.47	0.44	0.61	
12	0.12	0.09	0.06	0.06	0.03	0.34	0.07	0.08	0.03	0.07	0.02	0.06	0.06	0.05	0.05	0.04	0.08	0.06	0.12	0.02	
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
17	0.12	0.12	0.03	0.04	0.01	0.06	0.05	0.02	----	0.02	0.05	0.03	0.03	0.01	0.07	0.03	0.02	0.01	----	0.06	
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
20	0.15	0.12	0.04	0.04	0.03	0.05	0.09	0.05	----	0.06	0.07	0.07	0.06	0.08	0.13	0.06	0.05	0.10	----	0.14	
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
23	0.80	0.69	0.94	0.74	0.61	0.62	0.59	0.63	0.62	0.52	0.52	0.59	0.52	0.48	0.67	0.49	0.44	0.48	0.49	0.52	
24	0.03	----	0.07	----	0.02	0.11	0.01	0.03	0.02	0.03	0.01	----	----	----	0.01	0.05	0.04	----	0.05	----	
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Monthly	2.83	2.41	2.35	2.39	2.12	2.32	2.34	2.18	1.94	2.36	2.19	2.23	2.34	2.28	2.75	2.43	2.20	2.39	2.30	2.75	
Network Average =	2.36		Imperial Valley Network																		