

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

Monthly Progress Report for January 2018

February 14, 2018

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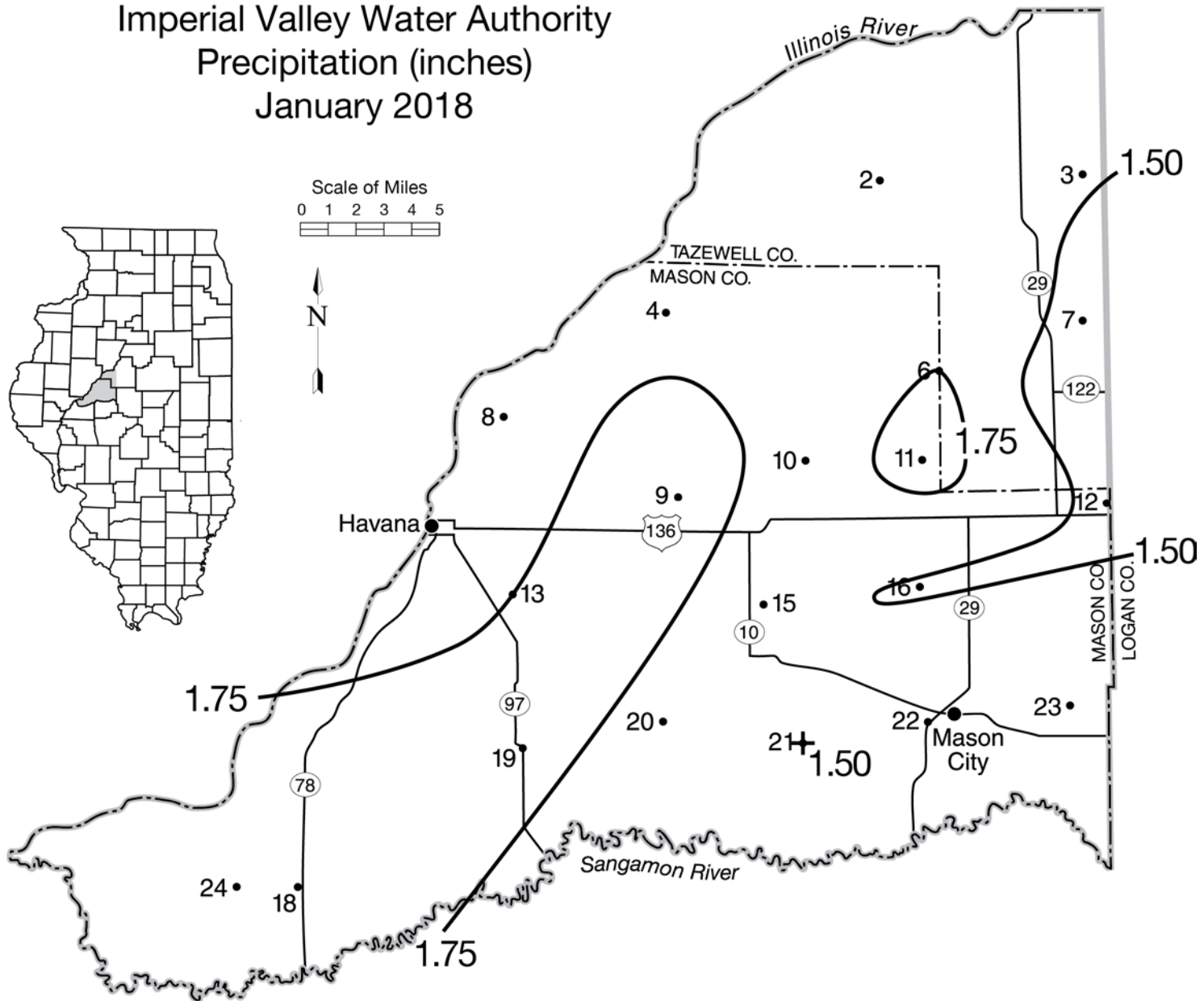
Raingage Network Operations

Dana Grabowski serviced all gages and downloaded the digital data on February 5, 2018. The batteries on the Hobo loggers were replaced at sites #9 and #21.

Data Analysis

The average network precipitation for January 2018 was 1.67 inches, which is below the latest 25-year monthly network average of 1.86 inches. The largest monthly gage precipitation totals were in the southwest corner and central portion of the network. The smallest gage totals were along the central eastern edge of the network. Monthly gage totals varied 0.58 inches across the network, from 1.34 inches at site #7, east of Green Valley, to 1.92 inches at site #9 near Topeka. The 1981–2010, 30-year average precipitation amounts for January at Havana and Mason City are 1.92 and 2.08 inches, respectively. The January 2017 network average of 1.67 inches is about 90 percent of the 25-year (1993–2017) IVWA January network average of 1.86 inches.

Imperial Valley Water Authority Precipitation (inches) January 2018



January 2018 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	0.16	0.16	0.15	0.18	0.18	0.18	0.21	0.15	0.17	0.18	0.17	0.15	0.18	0.20	0.19	0.17	0.10	0.11	0.14	0.27
8	0.02	0.03	0.02	0.01	0.01	0.02	0.01	0.01	0.02	----	0.02	0.01	0.02	----	0.03	0.01	0.02	0.07	0.02	0.02
9	0.01	0.01	0.06	0.05	0.06	0.01	0.03	0.06	0.17	0.02	0.02	0.03	0.07	----	0.07	0.05	0.04	0.10	0.01	0.01
10	0.04	----	0.02	0.06	0.03	0.04	0.05	0.02	0.06	0.03	0.05	0.04	0.03	0.02	0.02	0.03	0.03	0.05	----	0.04
11	0.23	0.30	0.19	0.19	0.26	0.22	0.23	0.19	0.14	0.28	0.23	0.22	0.25	0.18	0.23	0.26	0.23	0.31	0.37	0.21
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	0.02	----	0.02	0.01	0.04	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	0.09	----	0.01	0.05	0.04	0.02	0.04	----	0.06	0.02	0.01	0.03	0.03	0.04	0.07	0.01	0.03	0.04	0.04	0.06
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	0.01	0.01	----	----	----	0.01	----	----	----	----	0.03	0.01	----	----	----	----	----	0.01
22	1.13	1.00	1.16	1.18	0.73	1.14	1.33	1.16	1.22	0.89	1.20	1.04	0.88	1.44	1.28	1.08	0.99	1.04	0.97	1.25
23	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.01	0.02	0.01	0.02	0.01	----	0.01	0.02	----	0.02	0.01	0.04	0.01
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
29	----	0.03	----	----	----	----	----	----	----	----	0.03	----	----	----	----	----	0.01	----	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Monthly	1.70	1.55	1.64	1.75	1.34	1.65	1.92	1.61	1.86	1.43	1.75	1.53	1.49	1.90	1.86	1.63	1.50	1.68	1.72	1.88

Network Average = 1.67 Imperial Valley Network