

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

Monthly Progress Report for January 2017

February 8, 2017

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Raingage Network Operations

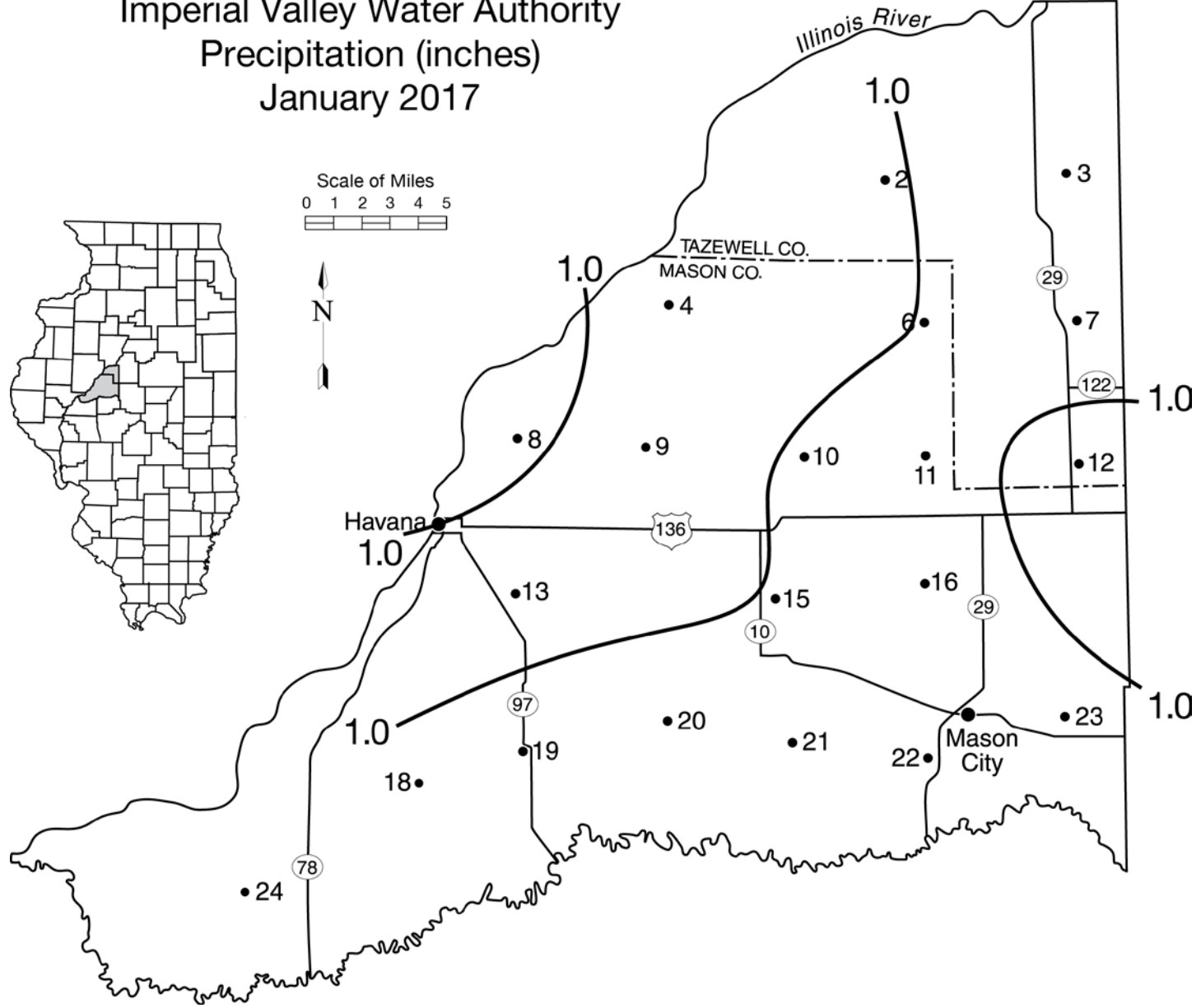
Dana Grabowski serviced all gages and downloaded the January 2017 digital data on February 2, 2017. During the visits, Dana weighed, emptied, and cleaned all of the buckets. All buckets were re-weighed for a new tare weight. A dead bird was removed from the collection bucket at site 16.

Data have been processed, quality controlled, and analyzed. All gages and data loggers operated properly.

Data Analysis

Precipitation during January 2017 was well below average. Precipitation amounts were largest just southeast of Topeka (1.40 inches) and just southeast of Manito Municipal Airport (1.30 inches) in Mason County. The smallest gage totals were east of Green Valley (0.75 inches) and the far western corner of Mason County (0.78 inches). Monthly gage totals varied 0.65 inches across the network. The 1981-2010, 30-year average precipitation amounts were 2.08 inches at Havana and 1.92 inches at Mason City. The January 2017 network average of 0.96 inches is about 51 percent of the 23-year (1993-2017) IVWA January network average of 1.90 inches.

Imperial Valley Water Authority Precipitation (inches) January 2017



January 2017 Daily and Monthly Precipitation Amounts (inches), Imperial Valley Network

Site

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.04	0.00	0.04	0.08	0.02	0.04	0.05	0.02	0.02	0.07	0.03	0.08	0.08	0.04	0.04	0.06	0.09	0.01	0.05	0.00
3	0.10	0.18	0.08	0.19	0.18	0.03	0.25	0.19	0.24	0.22	0.15	0.14	0.11	0.11	0.08	0.08	0.08	0.00	0.11	0.08
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
5	0.03	0.01	0.00	0.02	0.00	0.02	0.06	0.01	0.00	0.00	0.02	0.02	0.03	0.04	0.06	0.01	0.01	0.00	0.02	0.02
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.05	0.02	0.02	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.01	0.02	0.09	0.00	0.02
11	0.02	0.00	0.02	0.03	0.00	0.02	0.02	0.02	0.00	0.03	0.00	0.03	0.03	0.04	0.02	0.03	0.02	0.01	0.03	0.03
12	0.19	0.10	0.13	0.07	0.12	0.09	0.14	0.07	0.10	0.04	0.08	0.07	0.04	0.04	0.05	0.03	0.10	0.00	0.18	0.07
13	0.02	0.00	0.00	0.01	0.00	0.02	0.00	0.02	0.01	0.00	0.03	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.00
14	0.04	0.00	0.03	0.06	0.03	0.06	0.13	0.06	0.02	0.12	0.14	0.08	0.09	0.07	0.15	0.14	0.04	0.00	0.06	0.10
15	0.02	0.01	0.03	0.04	0.04	0.03	0.04	0.05	0.06	0.08	0.07	0.11	0.08	0.07	0.05	0.07	0.04	0.13	0.06	0.04
16	0.68	0.55	0.65	0.36	0.27	0.51	0.56	0.40	0.29	0.40	0.47	0.28	0.23	0.32	0.30	0.27	0.35	0.22	0.26	0.32
17	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.02	0.02	0.04	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.01	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.07	0.00	0.04	0.03	0.04	0.05	0.06	0.03	0.05	0.09	0.02	0.08	0.08	0.10	0.04	0.06	0.03	0.05	0.09	0.08
20	0.01	0.00	0.06	0.01	0.01	0.02	0.05	0.02	0.02	0.02	0.03	0.04	0.02	0.02	0.02	0.03	0.01	0.07	0.03	0.01
21	0.02	0.09	0.01	0.02	0.02	0.00	0.01	0.00	0.03	0.01	0.02	0.00	0.01	0.00	0.01	0.01	0.01	0.25	0.02	0.01
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly	1.30	0.97	1.13	0.99	0.75	0.90	1.40	0.92	0.87	1.13	1.13	0.97	0.81	0.92	0.87	0.82	0.81	0.85	0.93	0.78

Network Average = 0.96 Imperial Valley Network