

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

Monthly Progress Report for February 2017

March 9, 2017

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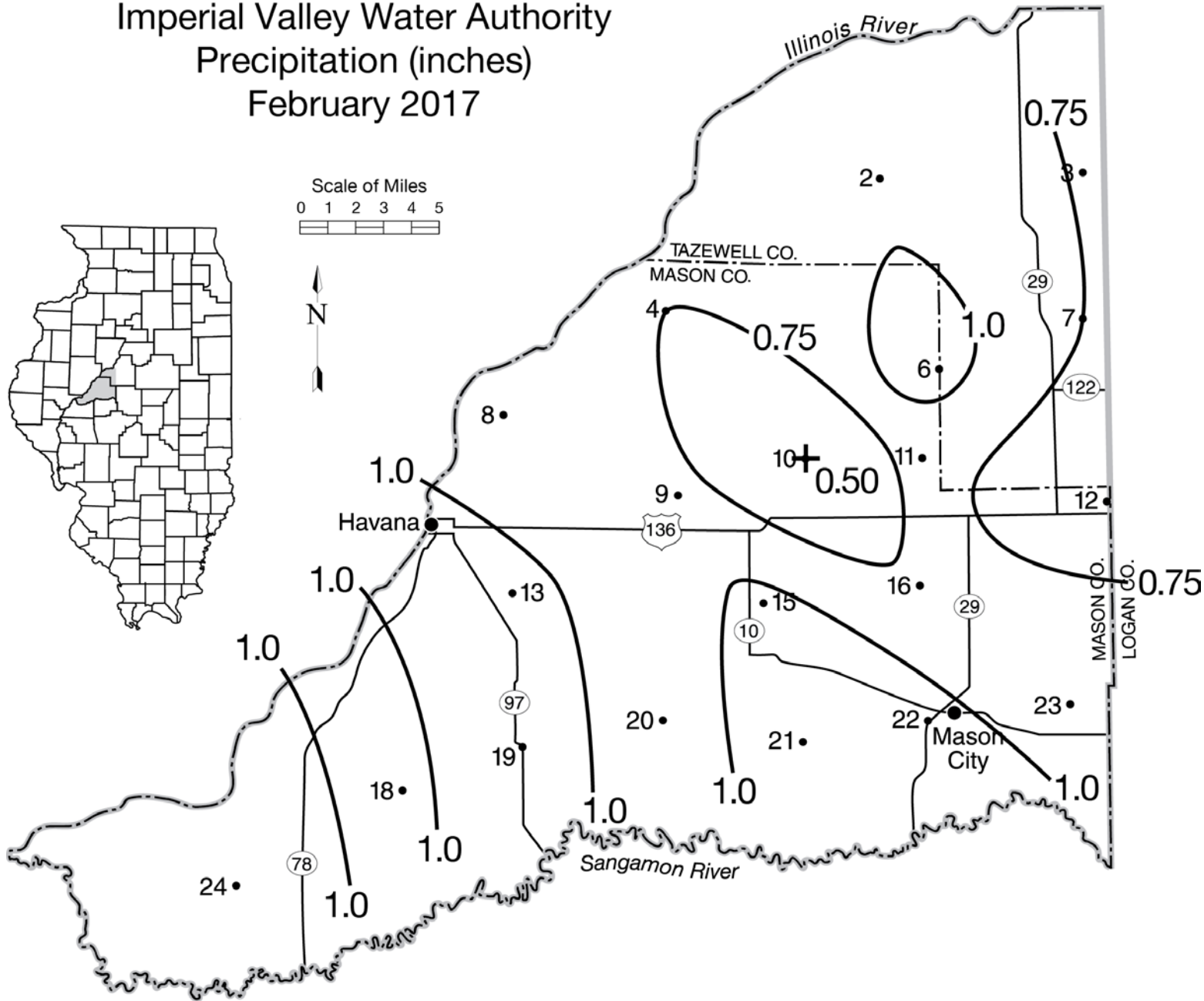
### Raingage Network Operations

Dana Grabowski serviced all gages and downloaded the February 2017 digital data on March 1, 2017. During the site visits, Dana weighed collections and emptied and cleaned all of the buckets. A new bucket tare weight was recorded for each bucket. Many sites had also collected a sizable amount of dead flies in the collection bucket. Data have been processed, quality controlled, and analyzed. Most gages and data loggers operated properly.

### Data Analysis

Precipitation during February 2017 was well below average. Precipitation amounts were largest in the southern half of Mason County. The smallest gage totals were southwest of Sand Ridge State Forest and near San Jose, IL. Monthly gage totals varied 0.76 inches across the network, from 0.50 inches at site #10 to 1.26 inches at site #6. 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 2017 network average of 0.90 inches is about 53 percent of the 24-year (1993-2016) IVWA February network average of 1.67 inches.

# Imperial Valley Water Authority Precipitation (inches) February 2017



February 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	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	0.01	0.01	----	0.01	----	----	----	----	0.01	0.02	0.02	----	0.02	0.01	----	----	0.02
7	0.16	0.25	0.13	0.35	0.45	0.15	0.10	0.03	0.21	0.11	0.11	0.26	0.20	0.17	0.28	0.25	0.15	0.20	0.16	0.21
8	0.22	0.07	0.14	0.21	0.07	0.04	0.26	0.11	0.14	0.08	0.15	0.06	0.06	0.18	0.24	0.14	0.23	----	0.32	0.18
9	----	0.03	----	----	----	----	0.01	----	----	----	0.04	0.01	----	----	0.04	0.01	0.01	0.07	0.01	----
10	----	0.04	----	----	----	----	----	----	0.04	0.03	0.03	----	----	----	----	----	0.01	0.03	0.01	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	0.05	0.01	0.05	0.09	0.03	0.13	0.09	0.03	0.01	0.03	0.13	0.09	0.10	0.16	0.12	0.05	0.12	0.02	0.03	0.12
22	----	0.04	0.02	0.03	----	0.02	0.02	----	----	----	----	0.01	0.02	----	----	0.01	0.01	0.09	0.01	----
23	----	0.04	0.03	0.03	----	0.02	0.01	----	0.02	0.01	0.02	0.01	0.01	----	0.01	0.03	0.03	0.01	0.04	0.01
24	0.04	0.02	0.02	0.03	0.02	0.02	0.01	0.03	0.01	0.02	0.05	0.03	0.02	0.03	0.01	0.03	0.02	0.07	0.04	0.02
25	----	0.03	----	----	----	----	----	0.01	----	----	0.04	----	0.02	----	0.01	----	0.01	0.01	----	0.01
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
27	----	----	----	0.09	----	----	----	0.01	0.05	----	0.05	0.10	0.03	0.03	0.03	----	0.12	0.15	----	----
28	0.48	0.20	0.36	0.24	0.18	0.49	0.30	0.28	0.29	0.30	0.43	0.47	0.34	0.36	0.45	0.22	0.54	0.39	0.31	0.52
Monthly	0.95	0.73	0.75	1.08	0.76	0.87	0.81	0.50	0.77	0.58	1.05	1.05	0.82	0.95	1.19	0.76	1.26	1.04	0.93	1.09
Network Average =	0.90			Imperial Valley Network																