

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

Monthly Progress Report for October 2017

November 13, 2017

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Raingage Network Operations

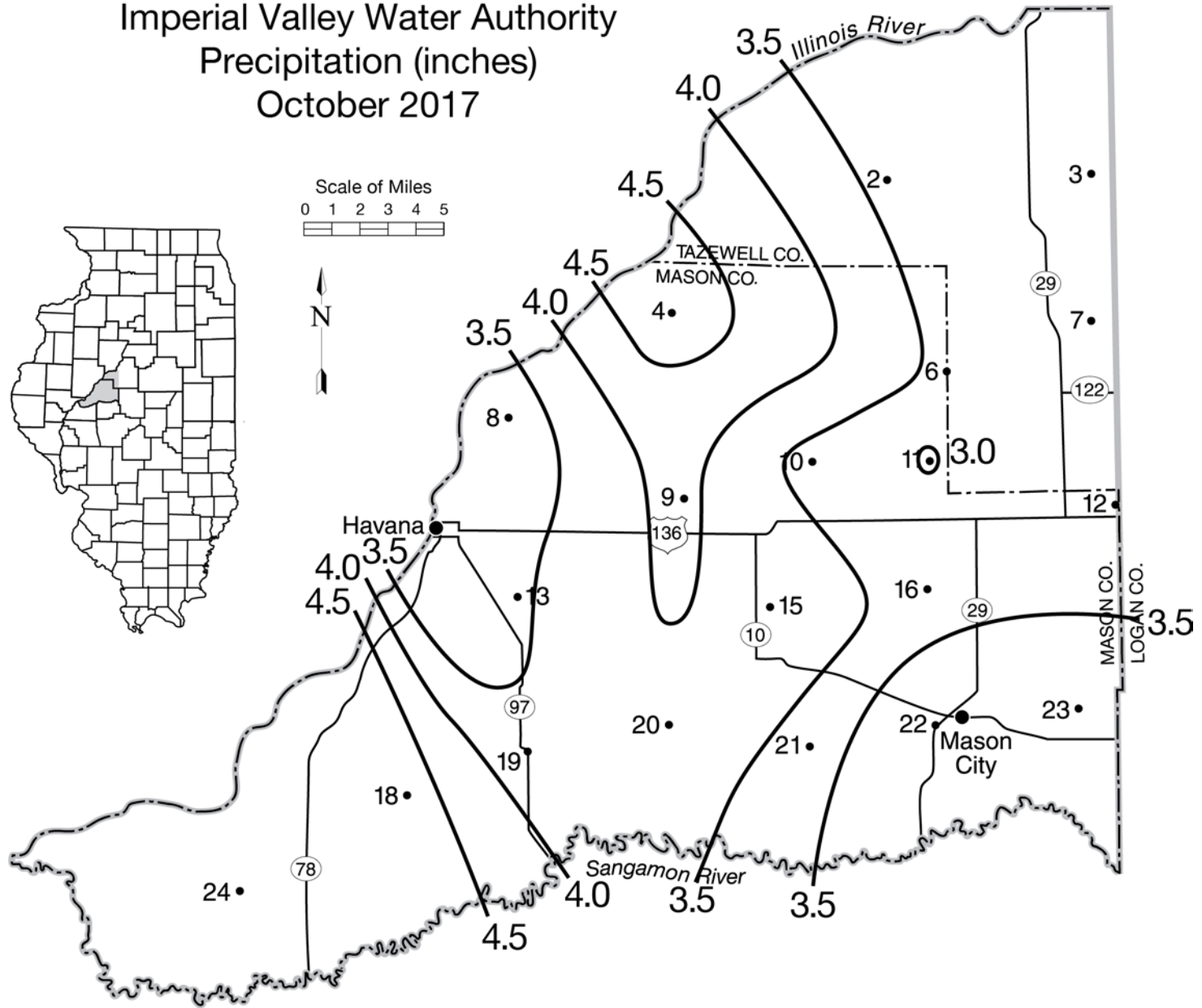
Dana Grabowski serviced all gages and downloaded the October 2017 digital data on November 2, 2017. During the site visits, Dana weighed collections and emptied and cleaned all of the buckets.

Calibration checks were performed at sites 8, 19, 20, and 24. The correlation coefficients were 1.00000, 1.00000, 0.99998, and 0.99997, respectively.

Data Analysis

The average network precipitation for October 2017 was 3.67 inches, which is well above normal, and 0.97 inches above the 24-year average. The largest monthly gage precipitation total was in the northwestern and southwestern corners of Mason County. The smallest gage totals were in the northeastern quadrant of the IVWA monitoring area in Tazewell County. Monthly gage totals varied 1.88 inches across the network, from 2.98 inches (site #11) west of San Jose to 4.86 inches (site #4) near Sand Ridge State Forest. The 1981–2010, 30-year average precipitation amounts for October at Havana and Mason City are 3.04 and 2.87 inches, respectively. The October 2017 network average of 3.67 inches is about 136 percent of the 24-year (1993–2016) IVWA October network average of 2.70 inches.

Imperial Valley Water Authority Precipitation (inches) October 2017



October 2017 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	0.04	----	----	0.01	0.02	----	----	----	----	0.02	----	----	0.01	0.11	0.12	0.08	0.02	0.04	0.02	0.18
5	0.05	----	0.02	0.07	0.05	0.04	0.02	0.02	----	0.15	0.04	0.10	0.28	0.04	0.11	0.10	0.11	0.08	0.25	0.04
6	0.51	0.46	0.59	0.80	0.67	0.86	0.89	0.82	0.82	1.00	0.94	0.87	0.80	1.01	0.70	0.67	0.58	0.75	0.60	1.05
7	0.23	0.34	0.21	0.09	0.26	0.20	0.29	0.25	0.25	0.31	0.21	0.30	0.22	0.23	0.22	0.26	0.33	0.36	0.30	0.24
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	1.44	1.36	3.04	1.28	1.48	1.08	1.79	1.39	1.22	1.05	0.97	1.40	1.10	1.96	1.07	1.61	1.18	1.34	1.34	1.89
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	0.61	0.47	0.39	0.39	0.29	0.47	0.53	0.25	0.23	0.48	0.62	0.57	0.48	0.74	0.60	0.74	0.63	0.55	0.46	0.62
15	0.29	0.34	0.23	0.37	0.30	0.24	0.33	0.32	0.26	0.21	0.39	0.26	0.20	0.34	0.43	0.34	0.27	0.38	0.34	0.35
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
22	0.12	0.18	0.23	0.20	0.11	0.30	0.15	0.11	0.11	0.07	0.22	0.18	0.12	0.34	0.17	0.11	0.13	0.14	0.11	0.24
23	0.06	0.04	0.14	0.12	0.05	0.04	0.12	0.10	0.08	0.09	0.07	0.09	0.12	0.02	0.09	0.08	0.11	0.09	0.09	0.05
24	0.02	0.13	0.01	0.04	0.04	----	0.01	0.03	0.01	0.04	----	----	----	----	0.02	----	0.01	0.02	0.02	0.01
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Monthly	3.37	3.32	4.86	3.37	3.27	3.23	4.13	3.29	2.98	3.42	3.46	3.77	3.33	4.79	3.53	3.99	3.37	3.75	3.53	4.67

Network Average = 3.67 Imperial Valley Network