

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Prairie Research Institute

Illinois State Water Survey
2204 Griffith Drive
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OPERATION OF THE IMPERIAL VALLEY WATER AUTHORITY
(IVWA) PRECIPITATION NETWORK

Monthly Progress Report for March 2016

April 8, 2015

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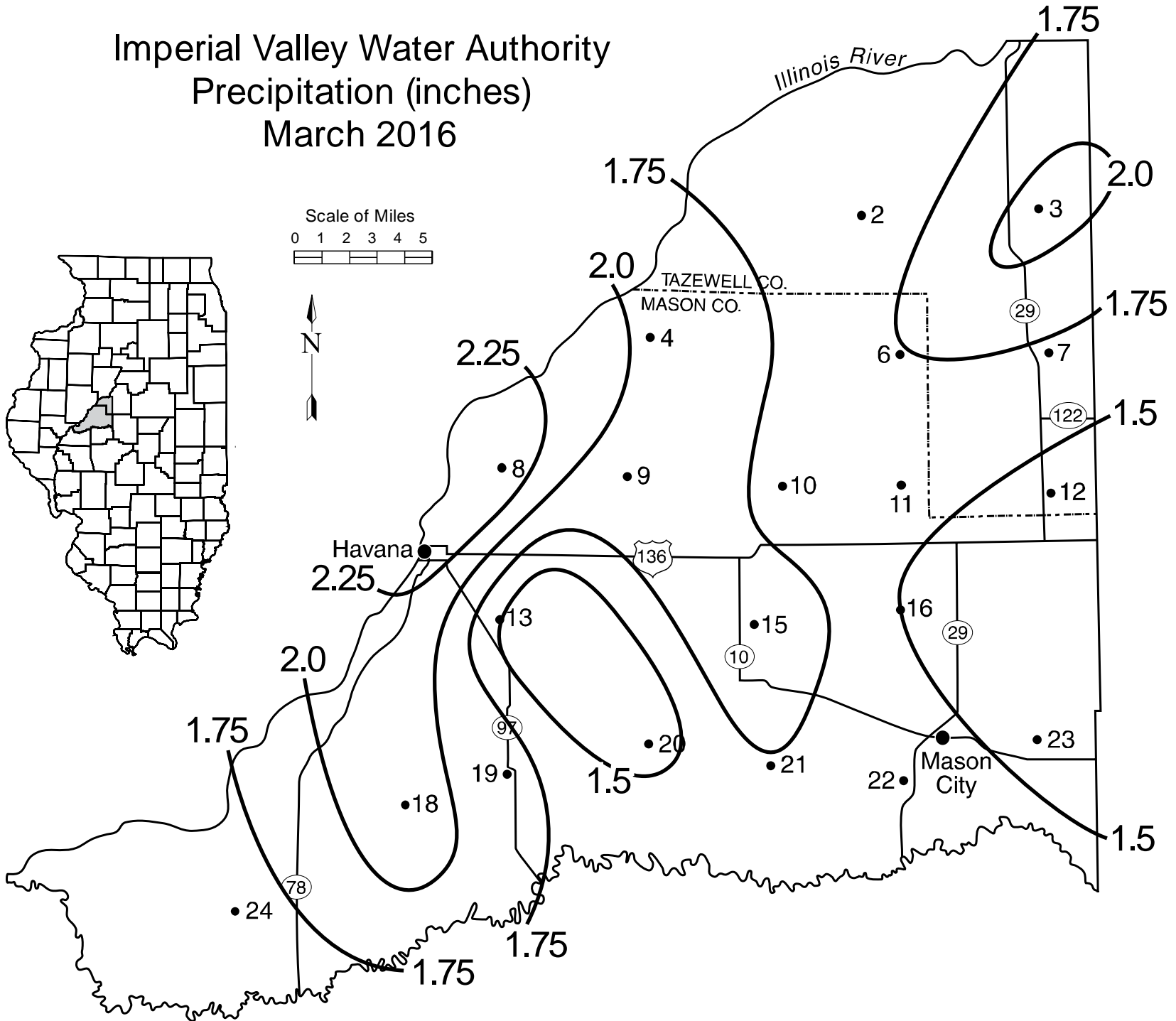
Raingage Network Operations

Dana Grabowski serviced all gages and downloaded the March 2016 digital data on April 5, 2016. Data have been processed, quality controlled, and analyzed. All gages and data loggers operated properly.

Data Analysis

Precipitation during March 2016 was light. Monthly gage totals were largest in the western portion of the network, and smallest in the south central and southeast regions. Individual gage amounts ranged from 2.37 inches at Site #8 to 1.27 inches at Site #23. The 1981-2010, 30-year average precipitation amounts for March at Havana and Mason City are 2.81 and 2.49 inches, respectively. The March 2016 network average of 1.73 inches is about 82 percent of the 23-year (1993-2015) IVWA March network average of 2.12 inches.

Imperial Valley Water Authority Precipitation (inches) March 2016



March 2016 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	----	0.01	----	----	0.01	----	----	----	----	----	----	----	----	----	0.01	----	----	----	----	----
3	0.10	0.06	0.05	0.03	----	0.09	0.05	0.04	0.01	0.04	0.02	0.06	0.06	0.09	0.09	0.03	0.07	----	0.03	0.10
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	0.20	0.17	0.16	0.22	0.14	0.18	0.17	0.19	0.28	0.21	0.12	0.37	0.26	0.16	0.26	0.26	0.27	0.32	0.19	0.15
8	0.14	0.10	0.17	0.11	0.05	0.30	0.11	0.06	0.05	0.05	0.18	0.07	0.10	0.23	0.11	0.08	0.09	----	0.04	0.22
9	----	0.10	----	0.02	0.04	0.01	0.01	----	0.02	0.01	----	0.01	0.02	----	0.02	0.01	----	0.01	0.03	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	0.08	0.05	0.17	0.04	0.01	0.24	0.06	0.02	0.07	0.02	0.13	0.04	0.13	0.21	0.09	0.04	0.06	----	----	0.15
13	0.28	0.35	0.28	0.32	0.35	0.28	0.56	0.32	0.30	0.35	0.31	0.51	0.38	0.52	0.46	0.45	0.50	0.49	0.45	0.62
14	----	0.02	0.02	0.02	0.02	----	----	----	0.04	----	----	----	0.03	----	----	----	----	----	----	----
15	0.17	0.35	0.53	0.47	0.44	0.29	0.25	0.45	0.37	0.20	0.09	0.31	0.08	0.20	0.05	0.01	0.08	0.02	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	0.12	0.32	0.10	0.03	0.17	0.47	0.16	0.17	0.09	0.04	0.13	0.07	0.03	0.10	0.18	0.17	0.06	0.13	0.13	0.05
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
27	0.31	0.28	0.34	0.29	0.17	0.27	0.35	0.25	0.18	0.23	0.31	0.32	0.28	0.40	0.36	0.25	0.39	0.35	0.23	0.35
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	0.11	0.21	0.13	0.16	0.33	0.22	0.17	0.10	0.16	0.19	0.12	0.19	0.13	0.23	0.17	0.04	0.19	0.24	0.14	0.08
31	0.03	0.08	0.01	0.03	0.01	0.02	0.01	0.04	0.07	0.01	0.02	0.04	----	0.01	0.06	0.03	0.02	0.04	0.03	0.01
Monthly	1.54	2.10	1.96	1.74	1.74	2.37	1.90	1.64	1.64	1.35	1.43	1.99	1.50	2.15	1.86	1.37	1.73	1.60	1.27	1.73

Network Average = 1.73 Imperial Valley Network