

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 April 2016

May 9, 2015

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Raingage Network Operations

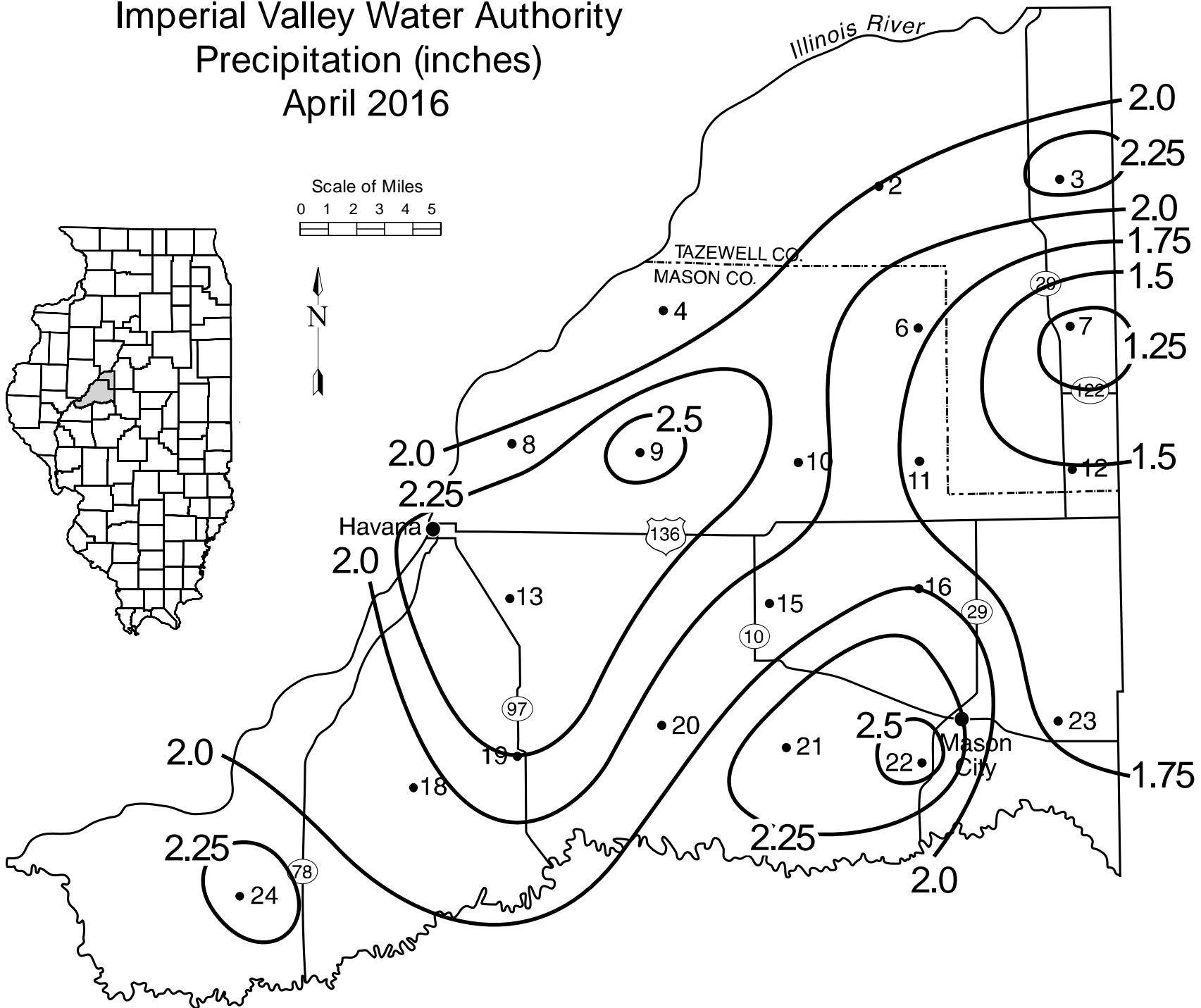
Dana Grabowski serviced all gages and downloaded the April 2016 digital data on May 3, 2016. Data have been processed, quality controlled, and analyzed. All gages and data loggers operated properly.

During her visit, Dana emptied and cleaned all buckets and re-installed the evaporation pan at all sites. She performed a calibration check at Sites #2, #3, #4, and #6. The calibration was adjusted at Sites #2, #3, and #4.

Data Analysis

Precipitation during April 2016 was light. Monthly gage totals were largest in the western and southeast portions of the network, and smallest in the east-central region. Individual gage amounts ranged from 2.55 and 2.54 inches at Sites #9 and #22 respectively, to 1.03 inches at Site #7. The 1981-2010, 30-year average precipitation amounts for April at Havana and Mason City are 3.67 and 3.61 inches, respectively. The April 2016 network average of 2.00 inches is about 57 percent of the 23-year (1993-2015) IVWA April network average of 3.50 inches

Imperial Valley Water Authority Precipitation (inches) April 2016



April 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	0.04	0.09	0.02	0.03	----	0.02	0.02	----	----	0.02	0.02	----	----	----	----	0.01	0.01	0.03	0.01	----
2	----	----	----	0.01	----	----	----	----	----	----	0.02	0.01	----	----	----	----	----	0.01	----	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	0.15	0.13	0.12	0.07	0.01	0.13	0.17	0.08	0.17	0.16	0.12	0.19	0.13	0.13	0.12	0.15	0.35	0.32	0.23	0.08
7	----	0.01	----	----	----	0.01	----	----	----	----	----	----	----	----	0.02	----	----	----	0.01	----
8	0.02	0.01	----	0.01	----	----	----	----	----	----	0.01	----	----	----	----	----	----	0.01	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	0.01	0.01	----	----	----	----	----
10	0.14	0.07	0.08	0.11	0.01	0.10	0.19	0.10	0.08	0.14	0.02	0.15	0.16	0.16	0.14	0.02	0.14	0.19	0.10	0.04
11	----	----	----	----	----	----	0.01	----	----	----	----	----	----	----	----	----	0.01	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	0.03	0.01	0.06	----	0.04	0.13	0.01	----	0.01	0.23	0.01	0.12	0.02	0.05	0.04	----	----	----	----
20	0.04	0.10	0.01	0.13	----	0.05	0.08	0.09	0.08	0.03	0.04	0.07	0.07	0.04	0.09	0.08	0.10	0.02	----	0.11
21	0.26	0.78	0.23	0.59	0.20	0.44	0.76	0.70	0.25	0.15	0.62	0.20	0.32	0.27	0.38	0.26	0.35	0.31	0.09	0.84
22	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02	----	0.02	0.01	0.02	0.02	----	0.02	0.03	0.02	0.06	0.02	0.02
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	0.03	0.03	0.02	----	----	0.05	0.03	----	0.01	0.01	0.03	0.03	0.01	0.09	0.08	0.05	0.09	0.06	0.05	0.09
27	0.52	0.30	0.59	0.49	0.08	0.63	0.45	0.52	0.59	0.34	0.69	0.58	0.60	0.58	0.81	0.66	0.65	0.82	0.65	0.77
28	0.04	0.16	0.02	0.08	0.13	0.03	0.01	0.04	0.04	0.07	0.02	0.03	0.03	----	0.05	0.03	0.01	0.09	0.11	0.04
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	0.77	0.60	0.67	0.21	0.57	0.53	0.68	0.58	0.50	0.56	0.49	0.54	0.54	0.54	0.50	0.48	0.59	0.62	0.44	0.37
Monthly	2.03	2.33	1.80	1.82	1.03	2.06	2.55	2.14	1.72	1.51	2.32	1.83	2.00	1.84	2.27	1.81	2.32	2.54	1.71	2.36

Network Average = 2.00 Imperial Valley Network