

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 November 2016

December 13, 2016

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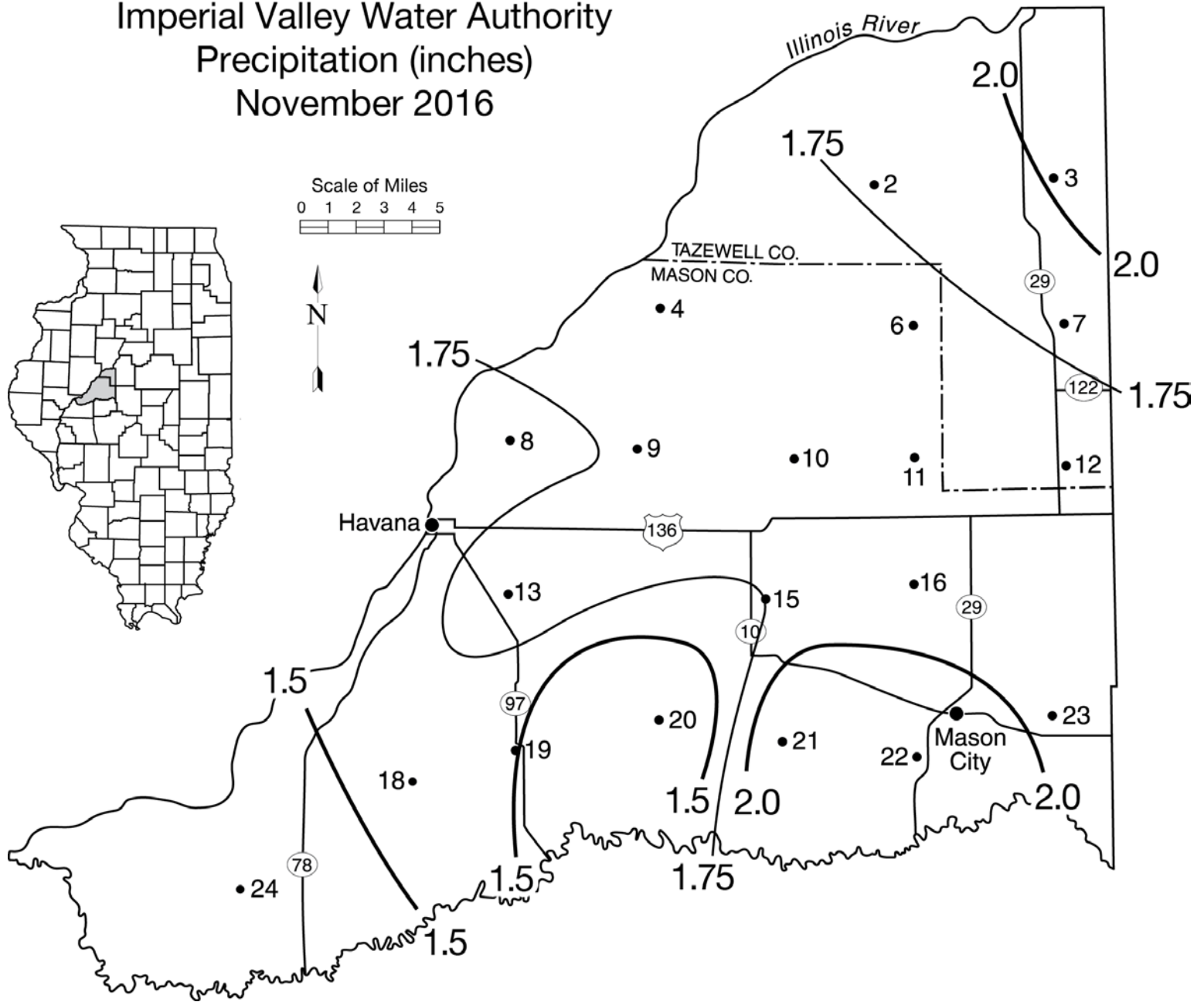
Raingage Network Operations

Dana Grabowski serviced all gages and downloaded the November 2016 digital data on December 1, 2016. During the visits, Dana weighed, emptied, and cleaned all of the buckets and prepared each gage for winter temperatures. All buckets were re-weighed for new tare weight. Data have been processed, quality controlled, and analyzed. All gages and data loggers operated properly.

Data Analysis

Precipitation during November 2016 was below average. Monthly gage totals were largest along the southeastern portion of the network. The smallest gage totals were in southwestern Mason County. Individual gage amounts ranged from 1.29 inches at site #24 to 2.54 inches at site #22. The 1981-2010, 30-year average precipitation amounts for November at Havana and Mason City are 3.24 and 3.11 inches, respectively. The November 2016 network average of 1.81 inches is about 72 percent of the 24-year (1993-2016) IVWA November network average of 2.51 inches.

# Imperial Valley Water Authority Precipitation (inches) November 2016



November 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	0.51	0.72	0.87	0.68	0.63	0.78	0.73	0.78	0.62	0.67	1.14	0.79	0.66	0.69	0.64	0.52	1.30	1.17	0.77	0.40
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	0.16	0.04	0.21	0.24	0.10	0.10	0.07	0.12	0.12	0.07	0.06	0.08	0.09	0.17	0.11	0.17	0.13	0.14	0.11	0.19
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
22	0.37	0.26	0.28	0.27	0.18	0.14	0.34	0.36	0.36	0.37	0.32	0.30	0.30	0.29	0.27	0.22	0.37	0.44	0.31	----
23	0.04	0.01	0.05	0.03	0.04	0.02	0.04	0.02	0.02	0.05	0.02	0.05	0.03	----	0.03	0.04	0.01	0.09	0.10	0.18
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
27	0.43	0.62	0.37	0.50	0.41	0.33	0.47	0.41	0.48	0.45	0.35	0.37	0.27	0.36	0.33	0.26	0.30	0.19	0.31	0.37
28	0.20	0.42	0.24	0.23	0.34	0.18	0.16	0.19	0.32	0.36	0.10	0.17	0.16	0.12	0.10	0.11	0.14	0.41	0.19	0.15
29	----	----	----	----	0.01	----	----	0.02	0.02	----	0.02	----	----	----	0.02	0.01	0.01	0.10	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Monthly	1.71	2.07	2.02	1.95	1.71	1.55	1.81	1.90	1.94	1.97	2.01	1.76	1.51	1.63	1.50	1.33	2.26	2.54	1.79	1.29

Network Average = 1.81 Imperial Valley Network