



## **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 June 2018

July 13, 2018

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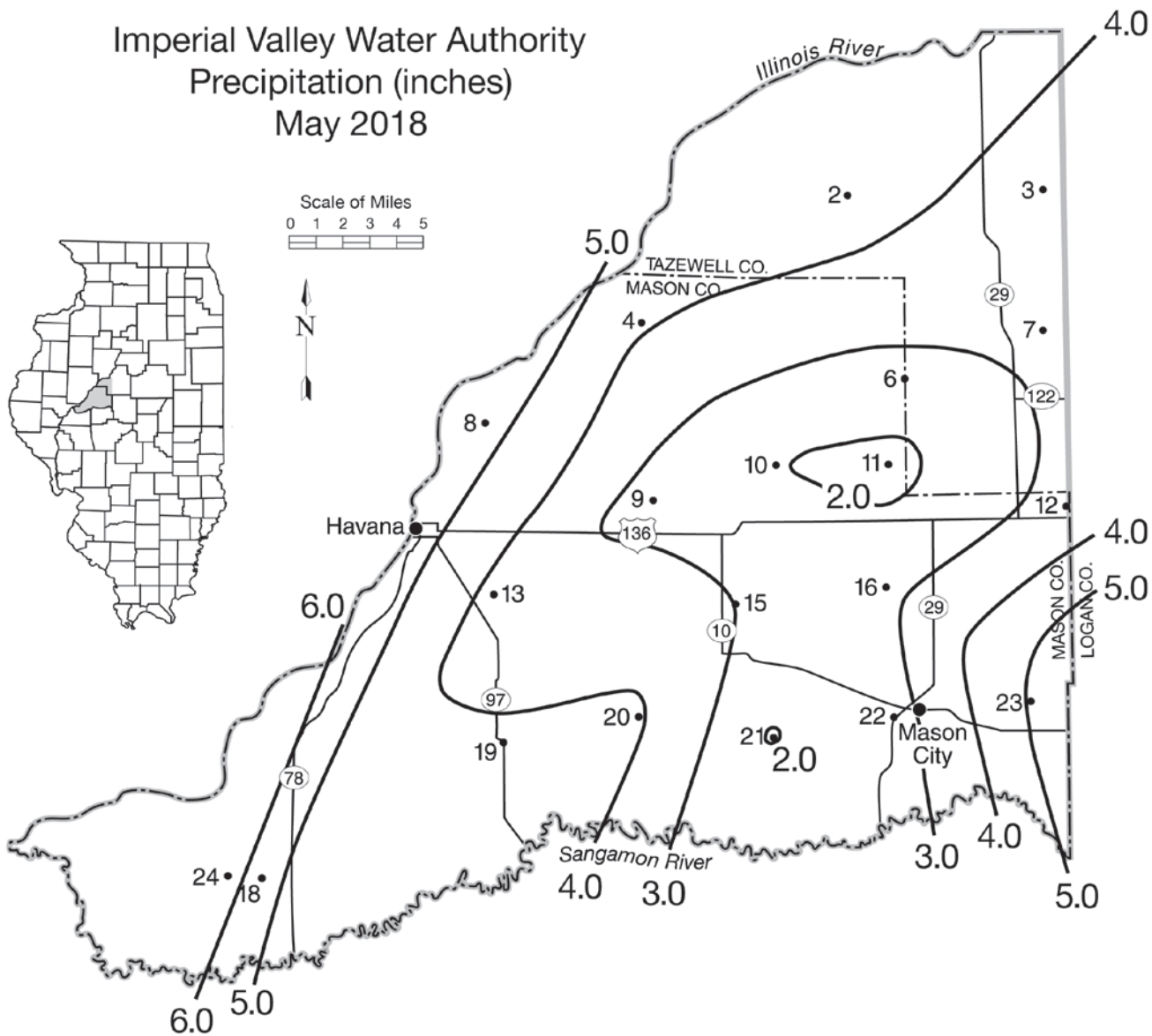
### Raingage Network Operations

Dana Grabowski serviced all gages and downloaded the digital data on July 2, 2018. All of the collections were weighed, and the buckets were emptied and cleaned.

### Data Analysis

The average network precipitation for June 2018 was 3.60 inches, which is below the latest 25-year monthly network average of 4.26 inches. The largest monthly gage precipitation totals were in the southwest part of Mason County. The smallest gage totals were in the central region of the network. Monthly gage totals varied 4.71 inches across the network, from 1.70 inches at site #11, southeast of Forest City, to 6.41 inches at site #24, southeast of Snicarte. The 1981–2010 30-year average precipitation amounts for June at Havana and Mason City are 4.36 and 4.04 inches, respectively. The June 2018 network average of 3.60 inches is 84 percent of the 25-year (1993–2017) IVWA June network average of 4.26 inches.

# Imperial Valley Water Authority Precipitation (inches) May 2018



June 2018 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	----	----	0.12	----	----	0.05	----	0.04	0.02	----	0.05	----	----	0.02	0.01	----	----	0.01	----	----	
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
9	----	----	----	----	----	----	----	----	----	----	----	----	----	0.40	0.15	0.03	0.01	0.01	----	0.47	
10	1.19	1.54	0.12	0.34	0.85	0.17	----	----	0.06	0.01	----	----	----	0.02	----	0.03	0.07	0.09	0.01	0.03	
11	----	0.01	0.03	0.11	----	0.07	0.03	0.03	0.21	0.07	0.57	0.07	0.03	2.05	0.62	0.80	0.24	0.44	0.13	2.74	
12	0.19	0.30	----	0.25	1.22	0.04	0.01	0.02	0.16	1.14	----	0.01	0.45	0.03	----	0.02	----	0.16	1.39	----	
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
14	0.02	0.01	0.01	0.01	----	0.03	----	----	----	----	----	----	----	0.13	----	0.01	----	----	----	0.07	
15	0.01	0.01	----	0.01	0.14	0.02	0.01	0.01	----	----	----	0.02	----	----	0.02	----	0.01	----	----	0.03	
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
19	0.09	0.04	0.71	0.24	0.02	0.30	0.07	0.17	0.37	----	0.33	0.96	0.49	1.01	0.54	0.71	0.16	0.32	0.01	1.23	
20	0.79	1.06	1.86	0.49	0.62	0.61	0.35	0.29	0.58	0.74	0.63	0.34	0.66	0.78	0.52	1.05	0.32	0.62	1.35	1.13	
21	1.90	0.22	0.13	0.72	0.60	1.01	0.45	0.07	0.06	0.78	0.59	0.33	0.36	0.09	1.34	0.60	0.26	0.18	0.45	0.33	
22	0.39	0.23	0.77	0.47	0.03	2.87	1.07	1.38	0.21	0.27	0.99	0.53	0.57	0.30	0.21	0.19	0.43	0.45	1.80	0.29	
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
24	----	----	0.01	----	----	----	----	----	0.01	----	0.01	----	----	----	----	----	----	----	----	----	
25	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
27	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
28	----	----	0.31	0.01	----	0.19	0.68	----	0.01	0.28	0.47	0.73	0.15	0.11	0.67	0.70	0.46	0.35	0.02	0.09	
29	0.01	----	----	----	----	----	----	0.03	0.01	----	----	----	----	----	----	----	----	----	----	----	
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Monthly	4.59	3.42	4.07	2.65	3.48	5.36	2.67	2.04	1.70	3.29	3.64	2.99	2.71	4.94	4.08	4.14	1.96	2.63	5.16	6.41	
Network Average =	3.60		Imperial Valley Network																		