



## **PRAIRIE RESEARCH INSTITUTE**

Illinois State Water Survey  
2204 Griffith Drive  
Champaign, IL 61820

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

Monthly Progress Report for September 2021  
October 21, 2021

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### Raingage Network Operations

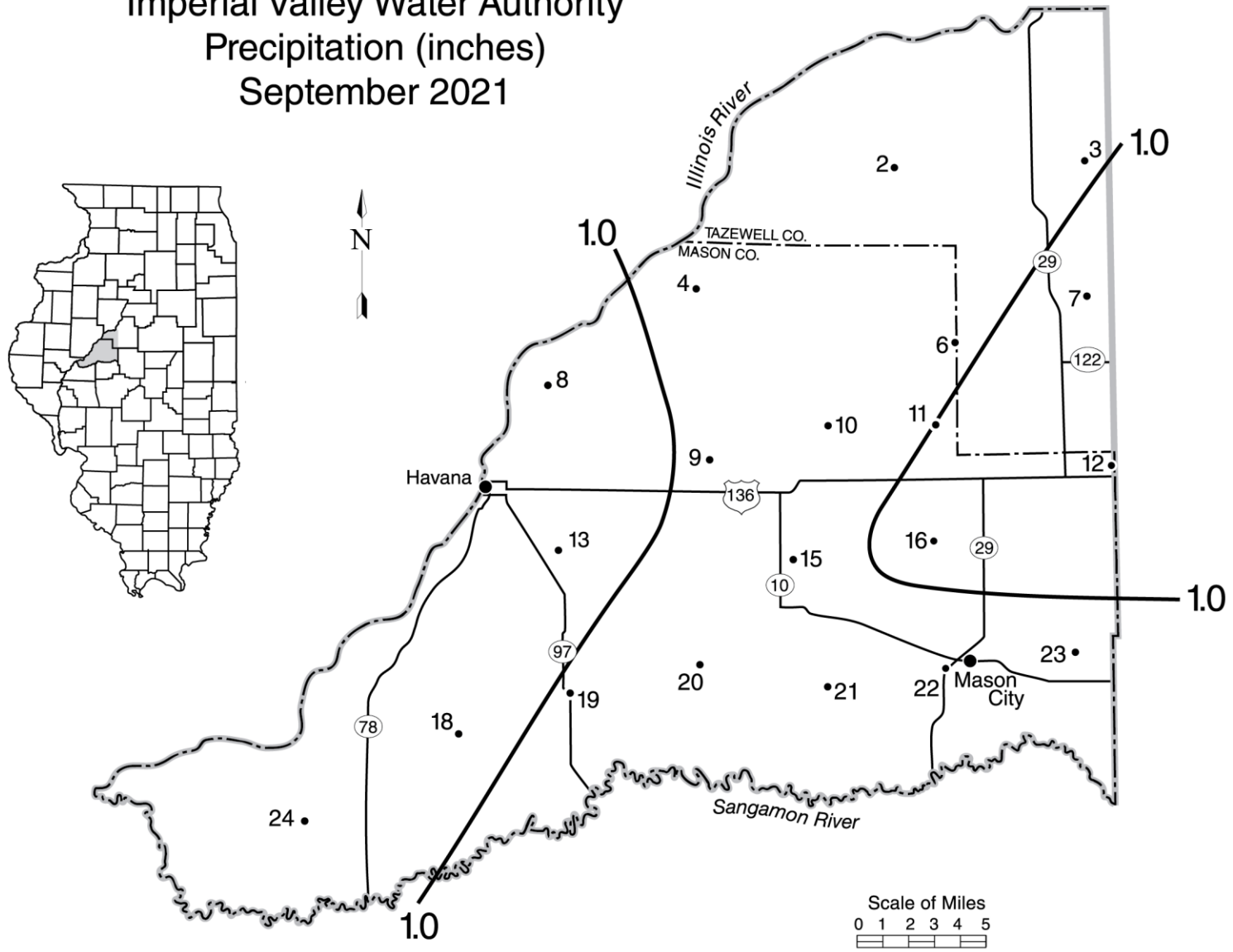
On October 5, Erin downloaded the data, weighed the precipitation collections, and emptied, cleaned, and tared the buckets for all gages, except gage #9. Data for gage #16 were not downloaded and will be retrieved on the next visit.

Precipitation data for gages #9 and #12 are downloaded by modem every hour to an Illinois State Water Survey server.

### Data Analysis

The average network precipitation for September 2021 was 1.01 inches, which is well below the previous 28-year network average. Monthly gage totals varied 0.69 inches across the network, from 0.67 inches at site #24, near Snicarte, to 1.37 inches at site #2, north of Manito. The 30-year (1991–2020) average precipitation amounts for the month of September at Havana and Mason City are 3.26 and 3.04 inches, respectively. The September 2021 network average of 1.01 inches is 33 percent of the 29-year (1993–2020) IVWA September network average of 3.02 inches. September 2021 tied with September 2017 as the sixth driest September in the past 30 years.

# Imperial Valley Water Authority Precipitation (inches) September 2021



**September 2021 Daily and Monthly Precipitation Amounts (inches), Imperial Valley Network**

	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
<b>DAY</b>																				
1	0.01	---	---	0.01	---	0.01	---	---	0.00	0.01	0.01	0.01	NA	0.01	0.01	---	---	0.01	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
3	---	0.01	---	0.01	---	0.02	---	0.01	---	0.02	0.01	0.03	NA	---	0.01	0.01	0.10	0.01	0.00	0.01
4	---	---	---	---	0.01	---	---	---	---	---	---	---	NA	---	---	---	0.01	---	0.00	---
5	0.01	---	0.01	0.02	---	0.01	---	0.01	---	0.02	---	0.01	NA	0.01	---	---	0.04	0.01	0.01	---
6	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
7	---	---	0.02	0.01	---	0.01	---	---	0.01	---	---	0.02	NA	---	0.01	0.01	---	0.07	0.01	---
8	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
19	---	---	0.01	---	---	---	---	---	---	---	---	---	NA	---	---	0.01	---	---	---	---
20	0.86	0.47	0.63	0.41	0.42	0.42	0.46	0.58	0.51	0.32	0.47	0.55	NA	0.34	0.50	0.72	0.39	0.65	0.48	0.26
21	0.37	0.37	0.37	0.38	0.34	0.27	0.58	0.34	0.36	0.37	0.33	0.33	NA	0.32	0.32	0.33	0.48	0.36	0.45	0.27
22	0.01	---	0.01	0.01	---	---	0.01	0.01	0.01	---	0.01	---	NA	0.01	0.01	---	0.07	0.01	0.00	---
23	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
24	0.11	0.17	0.07	0.13	0.12	0.06	---	0.09	0.10	0.07	---	0.15	NA	0.15	0.18	0.01	0.01	0.13	0.09	0.12
25	---	---	---	---	---	---	---	---	0.01	0.03	---	---	NA	---	0.01	---	---	0.01	0.02	0.01
26	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	---
<b>Monthly</b>	<b>1.37</b>	<b>1.03</b>	<b>1.12</b>	<b>1.03</b>	<b>0.90</b>	<b>0.80</b>	<b>1.05</b>	<b>1.03</b>	<b>1.00</b>	<b>0.84</b>	<b>0.83</b>	<b>1.09</b>	<b>NA</b>	<b>0.84</b>	<b>1.04</b>	<b>1.09</b>	<b>1.10</b>	<b>1.25</b>	<b>1.07</b>	<b>0.67</b>

**Network Average = 1.01 Imperial Valley Network**

Note: September 2021 tied with September 2017 as the sixth driest Septembers in the past 30 years.