



## **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 2025  
October 15, 2025

Erin Bauer, Emily Winfield, Mike Krasowski, and Kevin Rennels  
Phone: (217) 300-3471; (866) 292-7305 (toll-free); (217) 244-3166; (217) 333-8466  
E-mail: ebauer@illinois.edu

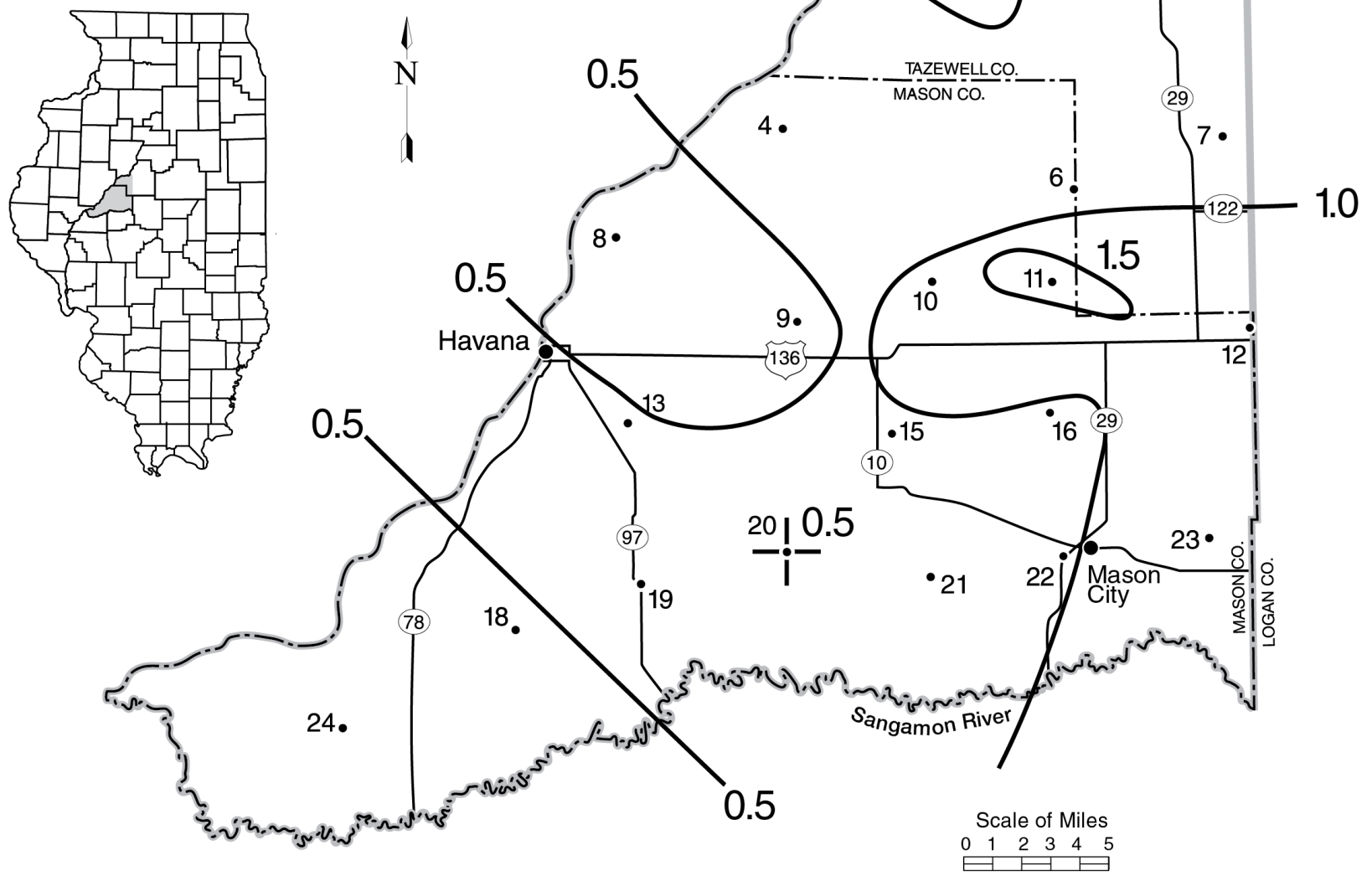
### Raingage Network Operations

On October 8, Emily Winfield downloaded the precipitation data for September 2025. The collections were weighed and emptied, and the buckets were tared. Precipitation data for gages #9 and #12 are downloaded by modem every hour to an Illinois State Water Survey server. Data for gages #6 and #12 are missing, hourly data are estimated for the month of September.

### Data Analysis

The average network precipitation for September 2025 was 0.80 inches, which is well below the 32-year network average of 2.84 inches. This low monthly precipitation followed the lower-than-average precipitation experienced in August. Monthly gage totals ranged 1.41 inches across the network, from 0.25 inches at site #9, at the Mason State Tree Nursery in Topeka, to 1.66 inches at site #11, southeast of Forest City. The 30-year (1991–2020) average precipitation amounts for the month of September at Havana and Mason City are 3.26 and 3.55 inches, respectively. The September 2025 network average of 0.80 inches ranks as the 3<sup>rd</sup> driest September since collection began in 1992 and represents only 28 percent of the 33-year network average for the month of September.

# Imperial Valley Water Authority Precipitation (inches) September 2025



**September 2025 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	0.75	0.40	0.39	0.21	0.02	0.02	-	0.51	0.70	0.36	0.01	0.02	< 0.01	0.02	< 0.01	-	-	0.02	0.01	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
21	0.19	0.21	0.13	0.49	0.78	0.16	-	0.72	0.81	0.79	0.32	0.76	0.85	0.31	0.25	0.42	0.52	0.33	0.24	0.33
22	0.03	0.02	0.04	0.03	0.04	0.12	0.21	0.03	0.04	0.04	0.12	0.05	0.05	0.13	0.09	0.05	0.03	0.58	0.98	0.13
23	0.02	0.02	< 0.01	0.02	0.01	0.02	-	0.01	-	< 0.01	0.02	0.02	0.02	0.04	0.03	0.02	0.04	0.01	0.01	< 0.01
24	0.02	-	0.08	< 0.01	0.01	0.02	-	0.08	0.11	0.06	0.07	0.08	0.01	0.02	-	0.01	-	0.01	0.02	0.05
25	0.02	0.01	0.01	< 0.01	-	0.01	0.04	-	< 0.01	0.01	-	0.01	-	0.01	0.03	0.01	-	0.01	0.02	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1.04</b>	<b>0.66</b>	<b>0.66</b>	<b>0.75</b>	<b>0.85</b>	<b>0.35</b>	<b>0.25</b>	<b>1.35</b>	<b>1.66</b>	<b>1.26</b>	<b>0.54</b>	<b>0.94</b>	<b>0.93</b>	<b>0.52</b>	<b>0.41</b>	<b>0.51</b>	<b>0.59</b>	<b>0.96</b>	<b>1.26</b>	<b>0.52</b>

**Imperial Valley Network Average = 0.80 inches** The September 2025 network average of 0.80 inches ranks as the 3<sup>rd</sup> driest September since collection began in 1992 and represents only 28 percent of the 33-year network average for the month of September.