



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 May 2026 June 12, 2026

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Raingage Network Operations

Precipitation data for May 2026 was downloaded on June 2nd and 4th by James Hancock and Erin Bauer. The collections were weighed and emptied, and the buckets were tared. Precipitation data for gage #9 were downloaded by a modem every hour to an Illinois State Water Survey server. Any missing data for gage #3 and #12 are estimated.

Gage calibrations were performed on June 2nd or June 4th, 2026. Results are listed in Table 1.

New gage systems were installed on June 2nd at locations #12 (near San Jose) and #21 (near Teheran Tower).

Data Analysis

The average network precipitation for May 2026 was 1.28 inches, which is well below the monthly average of 4.07 inches. This May was the 2nd driest since monitoring began in 1993 and was preceded by higher-than-average precipitation in March and April. Monthly gage totals ranged 1.11 inches across the network, with 0.80 inches at site #7 near Green Valley to 1.91 inches at site #23 east of Mason City. The 30-year (1991–2020) average precipitation amounts for the month of May at Havana and Mason City are 5.08 and 4.47 inches, respectively. The May 2026 network average of 1.28 inches represents 31 percent of the 34-year network average for the month of May.

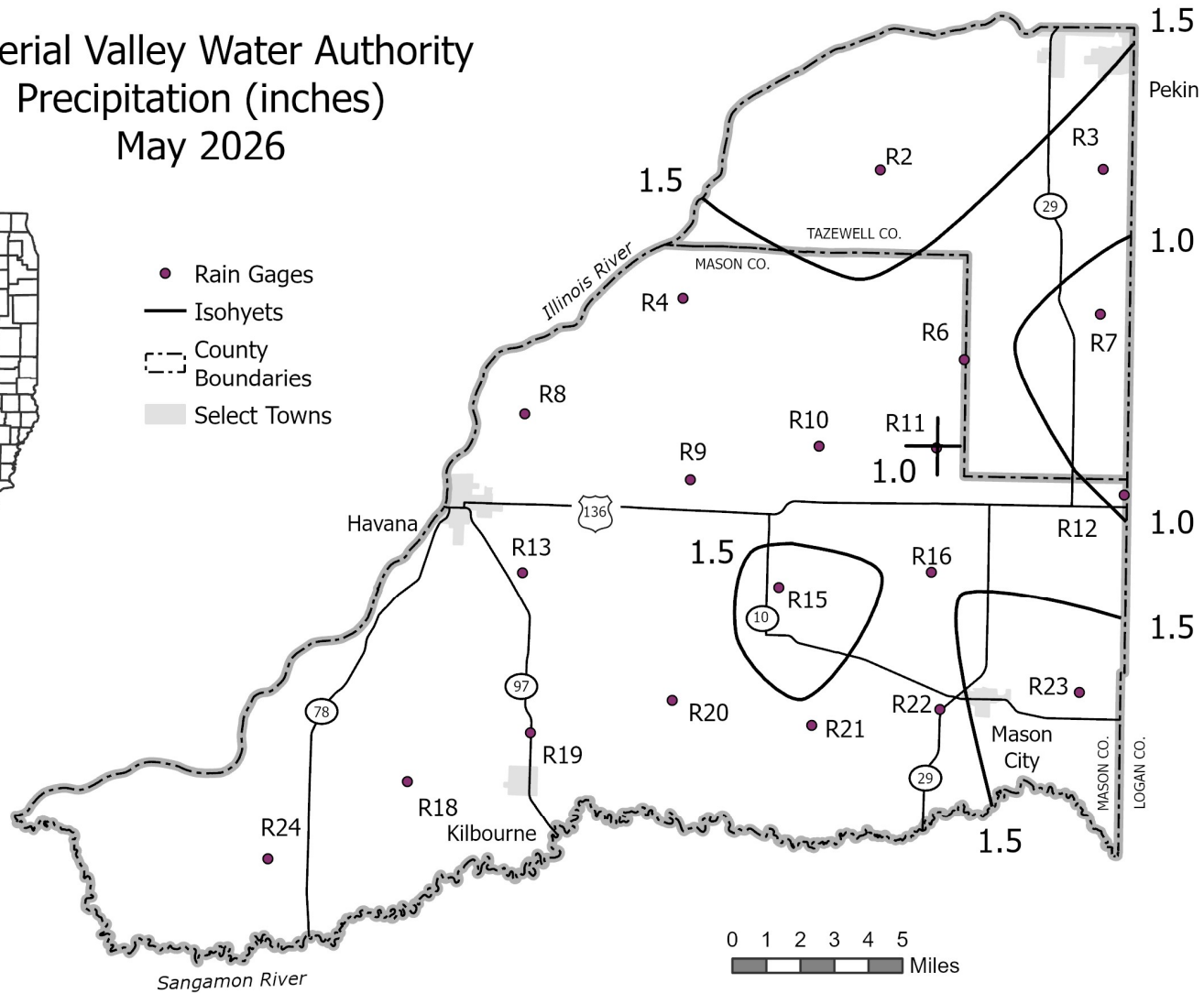
Table 1: Gage Calibrations

Gage	Calibration Date	Correlation Coefficient	Gage	Calibration Date	Correlation Coefficient
2	6/4/26	0.99999	11	6/2/26	0.99999
3	6/4/26	0.99998	13	6/2/26	0.99996
4	6/4/26	0.99998	15	6/2/26	1.00000
6	6/4/26	1.00000	16	6/2/26	0.99999
7	6/4/26	0.99996	18	6/2/26	1.00000
8	6/4/26	1.00000	19	6/2/26	0.99998
9	6/4/26	0.99990	20	6/2/26	0.99999
10	6/4/26	0.99999	22	6/2/26	1.00000
			23	6/2/26	1.00000

Imperial Valley Water Authority Precipitation (inches) May 2026



- Rain Gages
- Isohyets
- - - County Boundaries
- Select Towns



May 2026 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	< 0.01	< 0.01	-	-	< 0.01	-	0.01	-	-	< 0.01	-	0.01	0.01	0.01	-	0.01	0.01	0.01	0.01	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	< 0.01	-	-	-	-	0.01	< 0.01	-	0.03	-
4	0.01	0.01	0.17	0.13	0.02	0.23	0.27	0.31	0.19	0.10	0.38	0.60	0.53	0.20	0.30	0.29	0.44	0.37	0.69	0.07
5	0.19	0.10	< 0.01	0.02	0.02	0.02	0.05	0.03	0.02	0.02	0.04	0.03	0.03	0.01	0.02	0.02	0.03	0.03	0.03	0.05
6	0.23	0.11	-	0.01	-	-	-	0.02	< 0.01	0.01	0.01	-	-	0.01	0.01	0.01	0.01	-	0.01	0.01
7	0.17	0.09	0.05	0.04	0.01	< 0.01	0.04	< 0.01	0.01	0.01	0.01	0.02	-	< 0.01	-	< 0.01	0.01	0.04	0.03	< 0.01
8	0.22	0.13	0.07	0.03	0.04	0.06	0.01	-	0.01	0.02	0.01	0.03	0.02	0.02	0.03	-	0.01	0.02	0.02	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	0.11	0.15	0.22	0.27	0.18	0.24	-	0.21	0.24	0.21	0.11	0.33	0.32	0.20	0.19	0.21	0.27	0.29	0.30	0.37
16	0.17	0.09	0.01	-	0.01	0.02	-	-	-	< 0.01	< 0.01	-	-	0.01	-	-	-	-	-	0.01
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	0.13	0.24	0.43	0.39	0.34	0.54	0.34	0.27	0.27	0.30	0.37	0.35	0.37	0.56	0.36	0.38	0.37	0.33	0.30	0.50
19	0.33	0.25	0.22	0.14	0.17	0.16	0.34	0.19	0.25	0.21	0.14	0.11	0.01	0.26	0.14	0.04	0.08	-	-	0.07
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	0.07	-	-	-	-	-	-	-	0.04	0.11	< 0.01	0.01	< 0.01	0.02	0.14	0.38	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.24	0.13	0.10	0.02	0.02	0.09	-	0.02	0.01	0.01	0.01	0.20	0.01	0.12	0.12	0.22	0.21	0.16	0.13	0.31
Total	1.80	1.30	1.27	1.12	0.80	1.35	1.06	1.04	0.99	0.90	1.08	1.71	1.40	1.40	1.16	1.19	1.45	1.38	1.91	1.39

Imperial Valley Network Average = 1.28 inches The average network precipitation for May 2026 was 1.28 inches, which is well below the monthly average of 4.07 inches. This May was the 2nd driest since monitoring began in 1993 and was preceded by higher-than-average precipitation in March and April.