ILLINOIS

PRAIRIE RESEARCH INSTITUTE
Illinois State Water Survey
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Champaign, IL 61820

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

Monthly Progress Report for September 2026
October 19, 2026

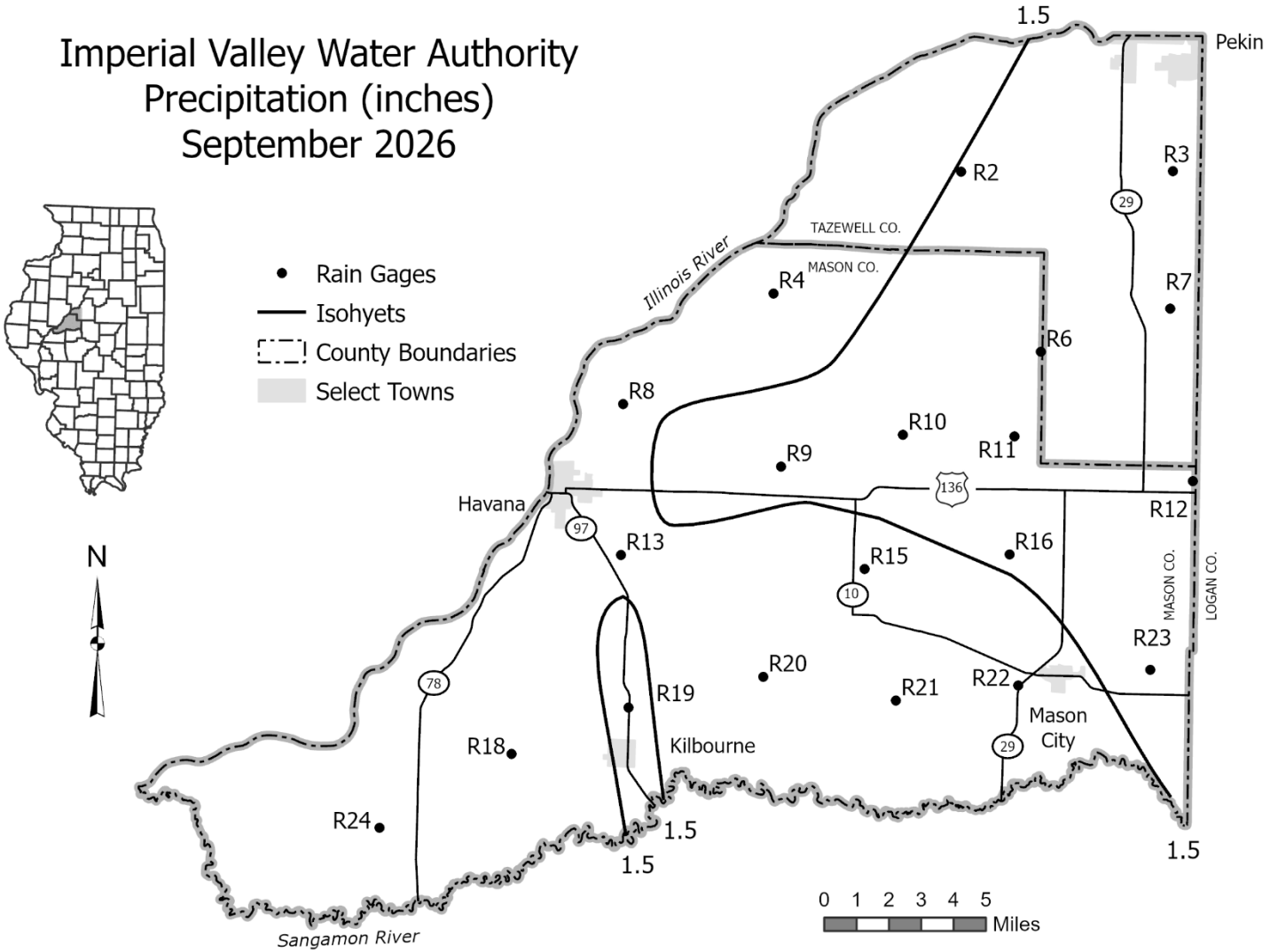
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Raingage Network Operations

Precipitation data for September 2026 were downloaded on October 7th by James Hancock. 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 precipitation data for gages 2, 12, and 21 during September, and for gages 6, 7, and 10-23 on September 9th and 10th, were estimated.

Data Analysis

The average network precipitation for September 2026 was 1.51 inches, which is below the monthly average of 2.78 inches. Monthly gage totals ranged 0.84 inches across the network, with 1.10 inches at site #11 southwest of Green Valley to 1.94 inches at site #20 south of Biggs. 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 2026 network average of 1.51 inches represents 54 percent of the 35-year network average for the month of September.


Imperial Valley Water Authority
Precipitation (inches)
September 2026
Rain Gages
Isohyets
County Boundaries
Select Towns
N
1.5
Pekin
R2
R3
29
TAZEWELL CO.
Illinois River
MASON CO.
R4
R7
R6
R8
R10
R11
R9
136
Havana
97
R12
R13
R16
R15
10
MASON CO.
LOGAN CO.
R23
R20
78
R22
R19
R21
Mason
City
R18
Kilbourne
29
R24
1.5
1.5
1.5
0 1 2 3 4 5
Miles
Sangamon River

September 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	0.04	0.01	0.06	0.15	0.15	0.03	0.02	0.06	0.15	0.30	0.09	0.12	0.06	0.18	0.06	0.15	0.12	0.18	0.15	0.01
10	0.01	0.01	0.01	0.10	0.10	0.01	0.07	0.04	0.10	0.20	0.06	0.08	0.04	0.12	0.04	0.10	0.08	0.12	0.10	0.45
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	< 0.01	0.01	-	-	< 0.01	-	0.01	< 0.01	0.01	< 0.01	-	-	-	-	-	< 0.01	< 0.01	0.01	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	< 0.01	-	-	-	-	-	-	< 0.01	< 0.01	0.01	-	-
16	1.35	1.27	1.43	0.88	0.92	1.40	1.18	1.15	0.79	0.94	1.37	1.32	1.25	1.47	1.27	1.63	1.47	1.49	0.96	1.23
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.02	< 0.01	0.03	0.03	0.01	0.02	0.05	0.03	0.02	0.01	0.01	0.05	0.01	-	-	0.01	0.03	0.02	0.02	< 0.01
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	0.01	0.01	-	0.01	-	< 0.01	-	0.01	-	< 0.01	< 0.01	-	0.01	0.01	0.01	-	-	-	< 0.01	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	0.07	0.01	0.13	0.06	-	0.07	0.11	0.02	0.03	0.02	< 0.01	0.05	0.06	0.04	0.04	0.04	0.05	0.05	0.03	0.05
Total	1.49*	1.32	1.66	1.22*	1.18*	1.52	1.44	1.32*	1.10*	1.47*	1.53*	1.61*	1.43*	1.82*	1.42*	1.94*	1.75*	1.88*	1.26*	1.91

Imperial Valley Network Average = 1.51 inches The average network precipitation for September 2026 was 1.51 inches, which is below the monthly average of 2.78 inches. Note: * includes estimated data.