



## **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 January 2021  
February 16, 2021

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### Raingage Network Operations

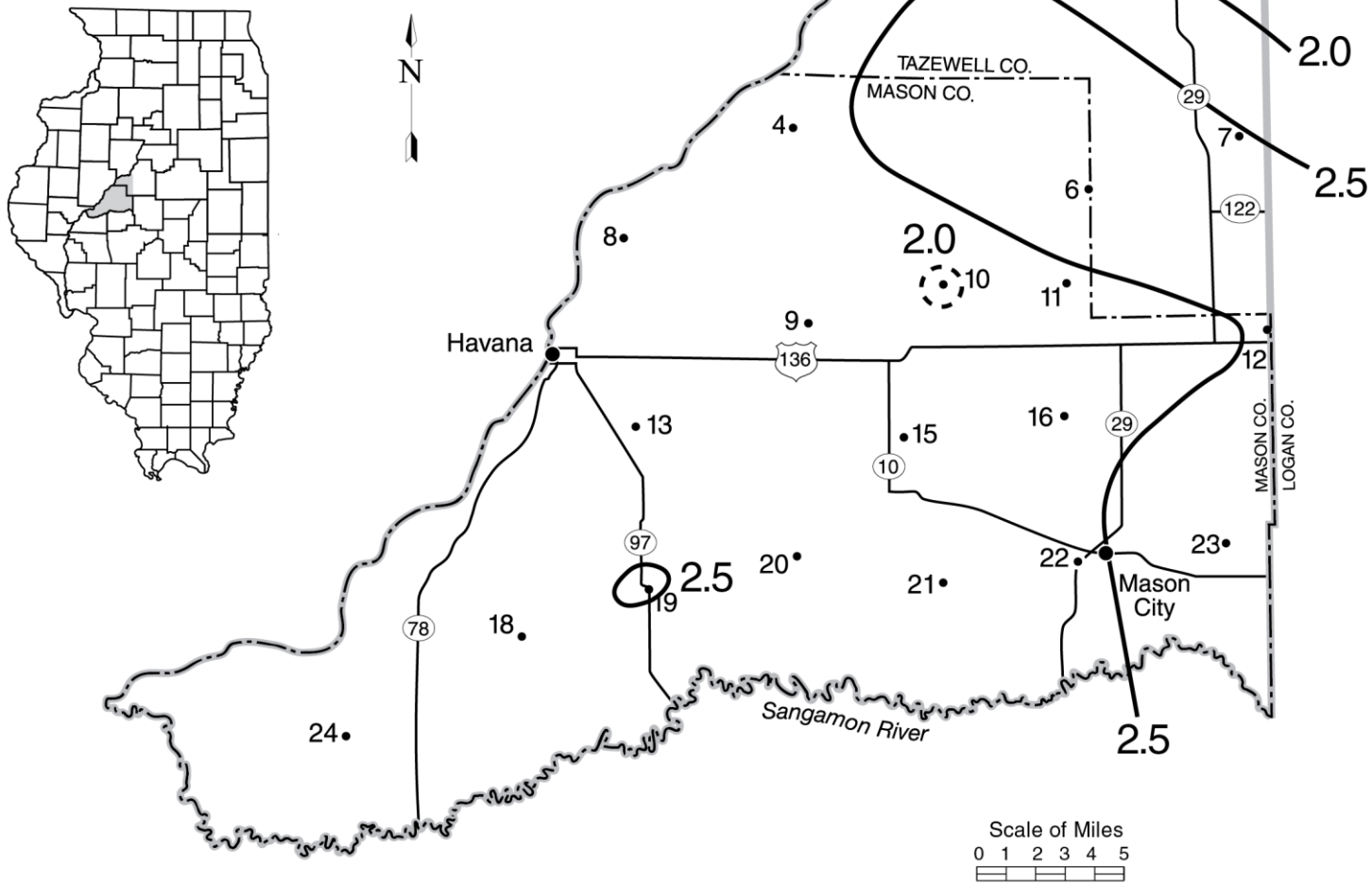
On February 2, Erin downloaded the data and weighed the precipitation collections for all gages.

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 January 2021 was 2.38 inches, which is well below the previous 28-year network average. Monthly gage totals varied 1.12 inches across the network, from 1.86 inches at site #10, south of Forest City to 2.98 inches at site #6, southeast of Manito. The 1981–2010 30-year average precipitation amounts for January at Havana and Mason City are 2.08 and 1.92 inches, respectively. The January 2021 network average of 2.38 inches is 125 percent of the 28-year (1993–2020) IVWA January network average of 1.91 inches.

# Imperial Valley Water Authority Precipitation (inches) January 2021



January 2021 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	0.64	0.62	0.66	0.67	0.89	0.65	0.88	0.68	0.79	0.88	0.71	0.70	0.75	0.76	0.79	0.94	0.57	0.69	0.69	0.76
2	0.27	0.23	0.37	0.23	0.13	0.24	0.15	0.11	0.10	0.19	0.24	0.29	0.26	0.28	0.19	0.02	0.44	0.20	0.27	0.12
3	0.03	0.06	0.02	0.30	0.08	0.12	0.05	0.02	0.05	0.12	0.05	0.04	0.05	0.02	0.13	0.05	0.10	0.09	0.13	0.16
4	0.02	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	0.07	----	0.01	0.01	----	0.05	0.02	----	----	0.05	0.11	0.01	----	0.02	----	----	0.18	0.01	0.02	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	0.08	0.06	0.03	0.08	0.07	0.04	0.08	0.06	0.09	0.03	----	0.07	0.09	0.04	0.08	0.08	0.06	0.08	0.11	0.08
15	0.02	----	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.02	----	0.03	0.01	0.02	0.05	0.05	0.02	0.03	0.04	0.01
16	0.04	----	0.01	0.05	0.02	0.01	0.03	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.04	0.03	0.03	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
25	0.08	0.07	0.05	0.10	0.07	0.07	0.08	0.05	0.12	----	0.04	0.09	0.06	0.12	0.14	0.14	0.05	0.06	0.07	0.19
26	0.09	0.10	0.09	0.12	0.11	0.11	0.14	0.08	0.14	0.02	0.06	0.09	0.10	0.07	0.15	0.11	0.02	0.11	0.14	0.02
27	0.01	----	----	----	----	0.01	----	----	----	0.01	----	0.04	0.01	----	0.01	----	0.04	----	0.02	0.04
28	----	----	----	0.01	----	0.02	----	----	----	0.01	0.01	----	0.02	0.02	----	----	0.15	0.01	0.03	0.04
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	1.01	0.55	0.84	1.14	0.96	0.89	0.77	0.86	0.86	0.87	0.73	0.70	0.84	0.90	0.75	0.73	0.49	0.94	0.96	0.82
31	0.18	0.17	0.14	0.26	0.19	0.21	0.20	0.09	0.17	0.25	0.16	0.12	0.17	0.15	0.22	0.13	0.23	0.12	0.23	0.15
Monthly	2.54	1.86	2.23	2.98	2.53	2.43	2.41	1.97	2.37	2.46	2.13	2.19	2.38	2.41	2.53	2.26	2.39	2.37	2.74	2.39
Network Average =	2.38		Imperial Valley Network																	