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

Monthly Progress Report for August 2016

September 13, 2016

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Raingage Network Operations

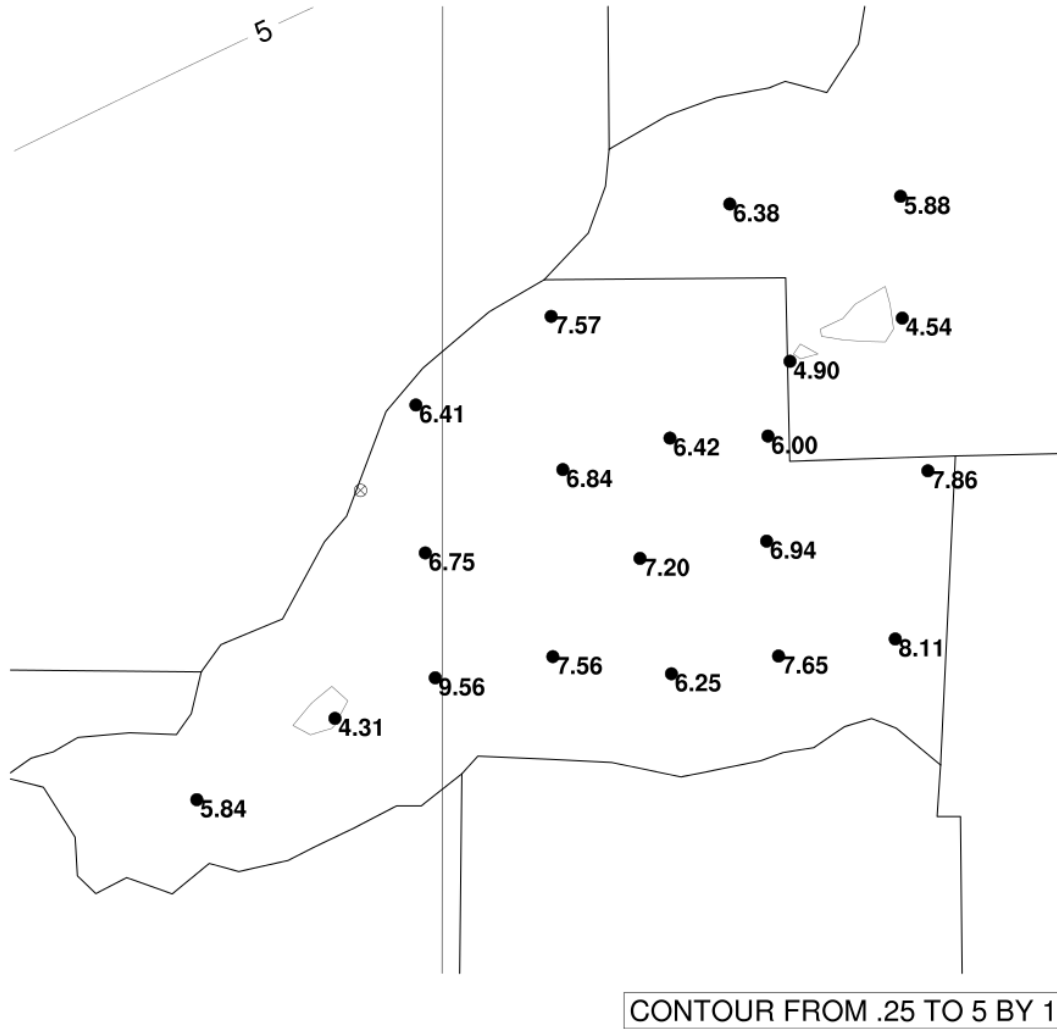
Dana Grabowski serviced all gages and downloaded the August 2016 digital data on September 1, 2016. Data have been processed, quality controlled, and analyzed. All gages and data loggers operated properly. During the visits, Dana weighted, emptied, and cleaned all of the buckets. Calibration checks were performed at sites 19 and 20. The site #8 gage was taken apart to clean out ants and their eggs, two more ant traps were placed inside. Ant infestation was likely due to late-August rain and Illinois River flooding.

Data Analysis

Precipitation during August 2016 was high. Monthly gage totals were largest in the southern portion of the network and smallest in the southwestern region. The largest and smallest gage totals were adjacent to each other due to strong localized storms. Individual gage amounts ranged from 4.31 inches at Site #18 to 9.45 inches at Site #19. The 1981-2010, 30-year average precipitation amounts for August at Havana and Mason City are 3.76 and 3.29 inches, respectively. The August 2016 network average of 6.73 inches is about 214 percent of the 23-year (1993-2015) IVWA August network average of 3.15 inches.

Sara Olsen has final contour figure.. This is a place holder with only the precipitation amounts.

# IMPERIAL VALLEY NETWORK



AUG 2016

August 2016 Daily and Monthly Precipitation Amounts (inches), Imperial Valley Network

Site

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	----	----	----	----	----	----	0.02	----	----	----	----	----	----	----	0.04	----	----	----	----	----
2	0.38	0.85	0.02	0.10	----	0.05	0.44	0.24	0.04	0.01	0.06	1.03	0.58	----	0.29	0.49	0.38	0.17	0.02	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	0.10	0.37	0.51	0.30	0.27	0.13	0.14	0.28	0.13	0.30	0.14	0.28	0.23	0.25	0.30	0.04	0.24	0.23	----	0.55
5	0.31	0.30	0.35	0.33	0.32	0.34	0.38	0.33	0.32	0.31	0.38	0.35	0.33	0.42	0.42	0.47	0.33	0.37	0.27	0.48
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12	1.25	1.10	1.43	0.90	1.42	1.24	1.57	1.85	1.51	4.62	1.58	1.27	2.12	1.68	1.85	2.07	1.24	2.37	3.61	1.43
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15	0.39	0.34	0.39	0.36	0.27	0.39	0.51	0.38	0.31	0.29	0.34	0.50	0.50	0.49	1.05	0.38	0.50	0.59	0.39	0.50
16	0.04	0.13	0.03	0.14	0.09	0.02	0.05	0.24	0.11	0.05	0.01	0.07	0.10	0.02	0.01	0.03	0.03	0.04	0.05	0.05
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	0.14	0.40	0.27	0.05	0.11	0.53	0.05	0.12	----	0.15	0.12	0.13	0.05	0.24	0.18	0.09	----	0.02	0.02	0.43
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
24	1.02	0.51	0.54	0.09	0.08	0.16	0.29	0.12	0.13	0.18	0.22	0.09	0.11	0.12	0.06	0.01	0.21	0.39	0.57	0.12
25	0.75	0.54	0.73	0.31	0.34	0.40	0.43	0.44	0.22	0.40	0.51	0.54	0.24	0.62	0.44	0.44	0.49	0.41	0.32	0.60
26	0.24	0.23	0.48	0.10	0.15	0.60	0.23	0.10	0.18	0.24	0.20	0.44	0.32	0.39	0.35	0.44	0.75	1.28	1.30	0.35
27	1.42	0.95	2.42	1.85	1.05	1.94	2.20	1.85	1.71	0.36	1.95	1.59	0.60	1.36	3.46	2.10	0.58	0.43	0.50	0.34
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	0.02	----	----	0.02	0.17
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	0.34	0.16	0.40	0.37	0.44	0.61	0.53	0.47	1.34	0.94	1.24	0.91	1.76	0.40	1.11	0.98	1.50	1.35	1.04	0.82
31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Monthly	6.38	5.88	7.57	4.90	4.54	6.41	6.84	6.42	6.00	7.85	6.75	7.20	6.94	5.99	9.56	7.56	6.25	7.65	8.11	5.84
Network Average =	6.73			Imperial Valley Network																