



New River at Old Stage Road, 01/24/2010, M. Sabatini

Flood Control District of Maricopa County

Engineering Division, Flood Warning Branch

Storm Report : January 2010

Runoff Section Revised: Aug. 10, 2010



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METEOROLOGY

A moderately strong El Niño weather pattern was likely the main reason for the series of storms that moved across Arizona during the January 17 – 22 period. At this time of year the jet stream (area of strongest winds aloft) statistically tracks across the central Pacific and as it approaches the west coast moves northeast toward the Pacific Northwest. But during this series of events, due to the El Niño, the jet stream was located much farther south – crossing California and Arizona.

This was important as storms typically follow the jet stream; so they too tracked much farther south, and resulted in a long fetch of moisture moving across the Pacific into California and Arizona.

The first storm of consequence took place Tuesday, January 19, and resulted in an average of about an inch of rain across Maricopa County. Runoff from this storm was minimal due to rather low antecedent moisture in the soils.

The next rain event developed Wednesday night. At least two fast moving weather disturbances moved through central Arizona, with the event lasting through Thursday night. The heaviest rain during this period was ahead and with a cold front that marched across central Arizona Thursday.

Due to the combination of a wet atmosphere, strong dynamics, and ground that had become close to saturated due to the previous storm, heavy rain during this period quickly resulted in runoff/flooding. As a side note there were also strong gusty winds late Thursday – locally to over 60 mph.

The bulk of the storm moved off to the east during the night Thursday. There were lingering showers Friday, mainly due to residual moisture and daytime heating, but no additional or new flooding of consequence.

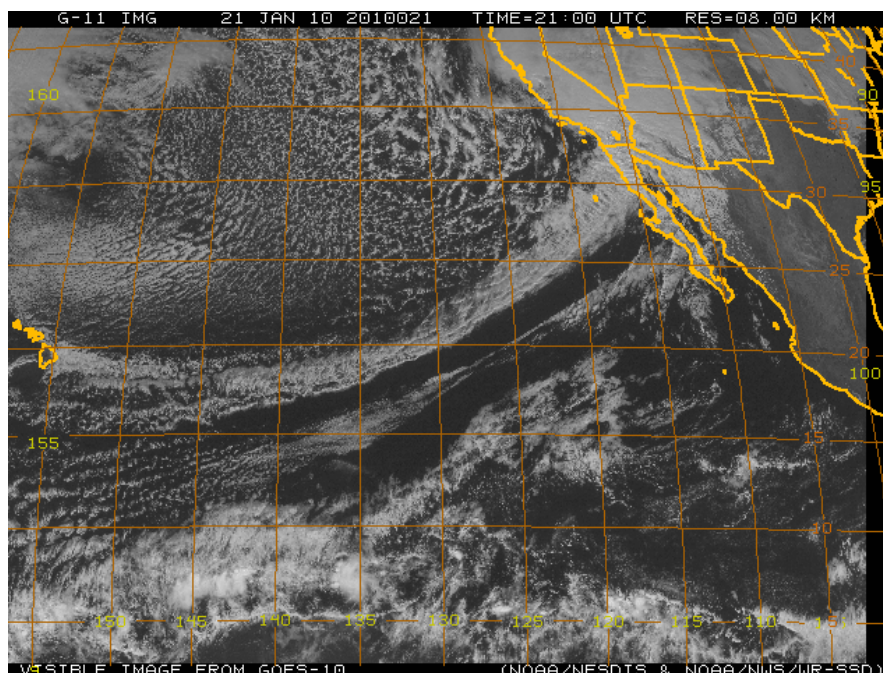


FIGURE 1

GOES-10 visible satellite photo of the eastern Pacific on Jan. 21, 2010 at 21:00 UTC (2:00 PM MST). Note the connection to moisture all the way down to Hawaii, and the cumulus clouds behind the front indicating very cold air.

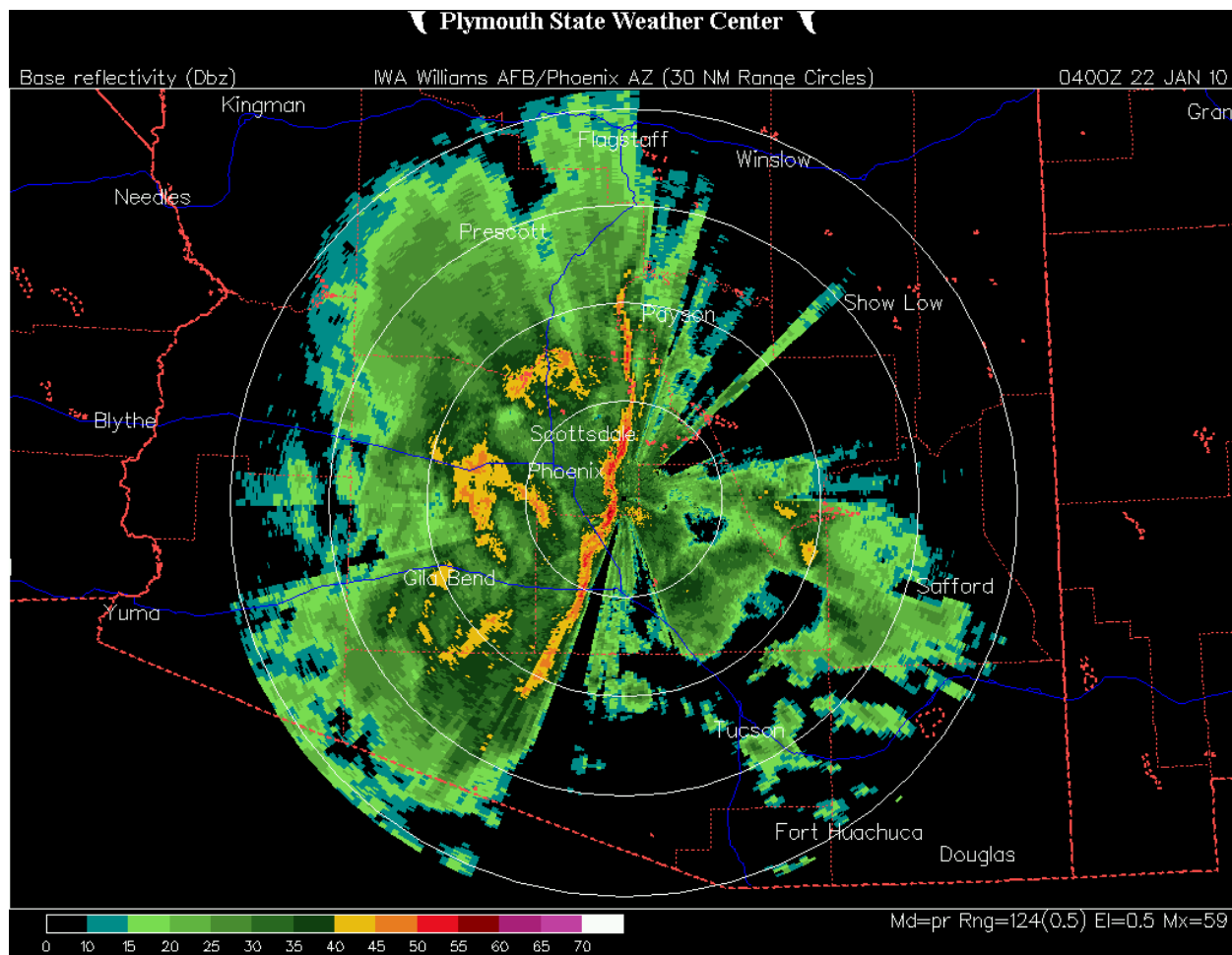


Figure 2 above shows a line of severe thunderstorms associated with the passage of a cold front at approximately 9:00 PM MST on 01/21/2010. Near this time, the Durango Complex weather station recorded a peak wind gust of 32 mph and barometric pressure of 995 millibars (29.39 in/Hg).

Table I – Peak Wind Gusts Recorded by Maricopa County Weather Stations on the evening of Jan. 21, 2010

Station Name	Location	Peak Gust (mph)
Bartlett Lake	NE Maricopa County	44
Carefree Ranch	NE Maricopa County	35
Durango Complex	Central Maricopa County	32
Gila Bend Landfill	SW Maricopa County	37
Horsethief Basin	Southern Yavapai County	63
Lake Pleasant	North-Central Maricopa Co.	43
Mobile	South-Central Maricopa Co.	37
Rackensack Canyon	NE Maricopa County	72
South Mtn. Park	Central Maricopa County	31

PRECIPITATION

Summary Statistics:

Total FCDMC Automated Rain Gages Installed: 306

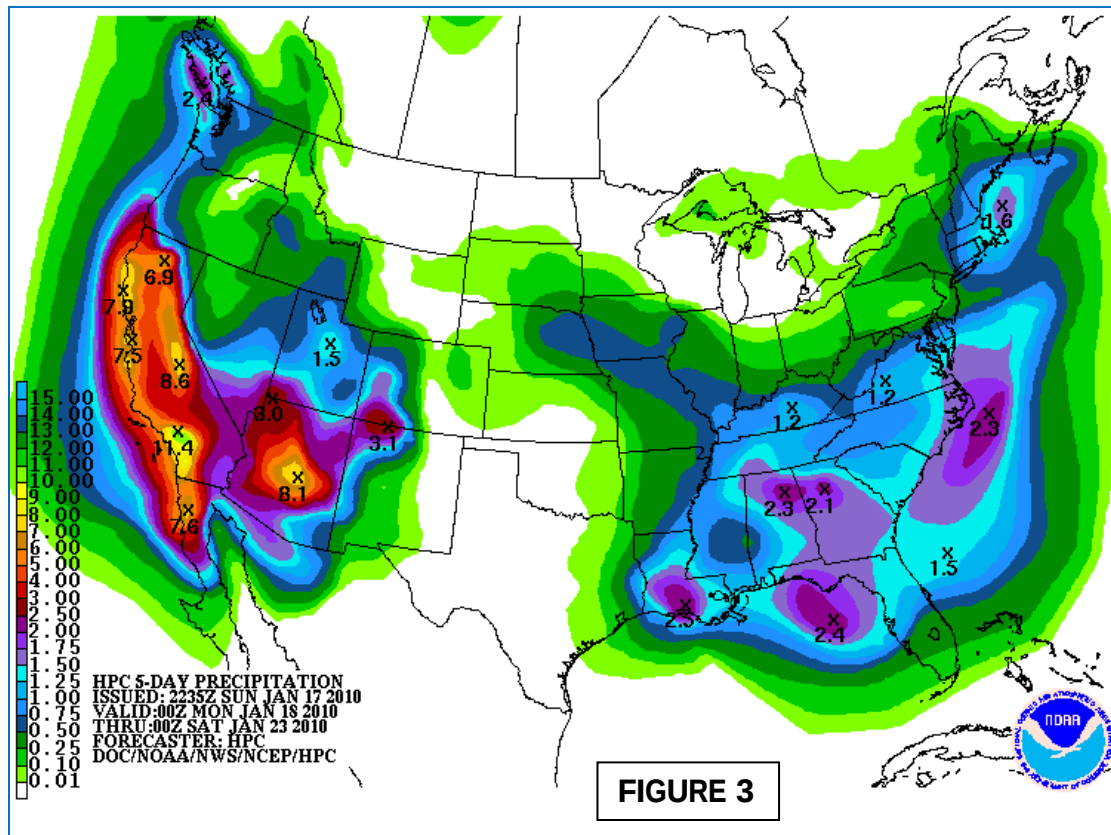
Number of Rain Gages which failed to operate during the storms: 7

Overall Percent Operational Automated Rain Gages for the Month: 98.8%

For the month of January 2010,

Number of gages recording more than:

10 inches of precipitation -----	4
8 inches -----	10
7 inches -----	14
6 inches -----	23
5 inches -----	61
4 inches -----	108
3 inches -----	198



This 5-day rainfall forecast was issued by the National Weather Service's Hydrometeorological Prediction Center on January 17th at 3:35 PM MST for the period Sunday Jan. 17th 5:00 PM MST through Friday Jan. 22nd 5:00 PM MST. It was reasonably accurate, and alerted many emergency responders and the media as to the severity of expected rainfall in the coming week.

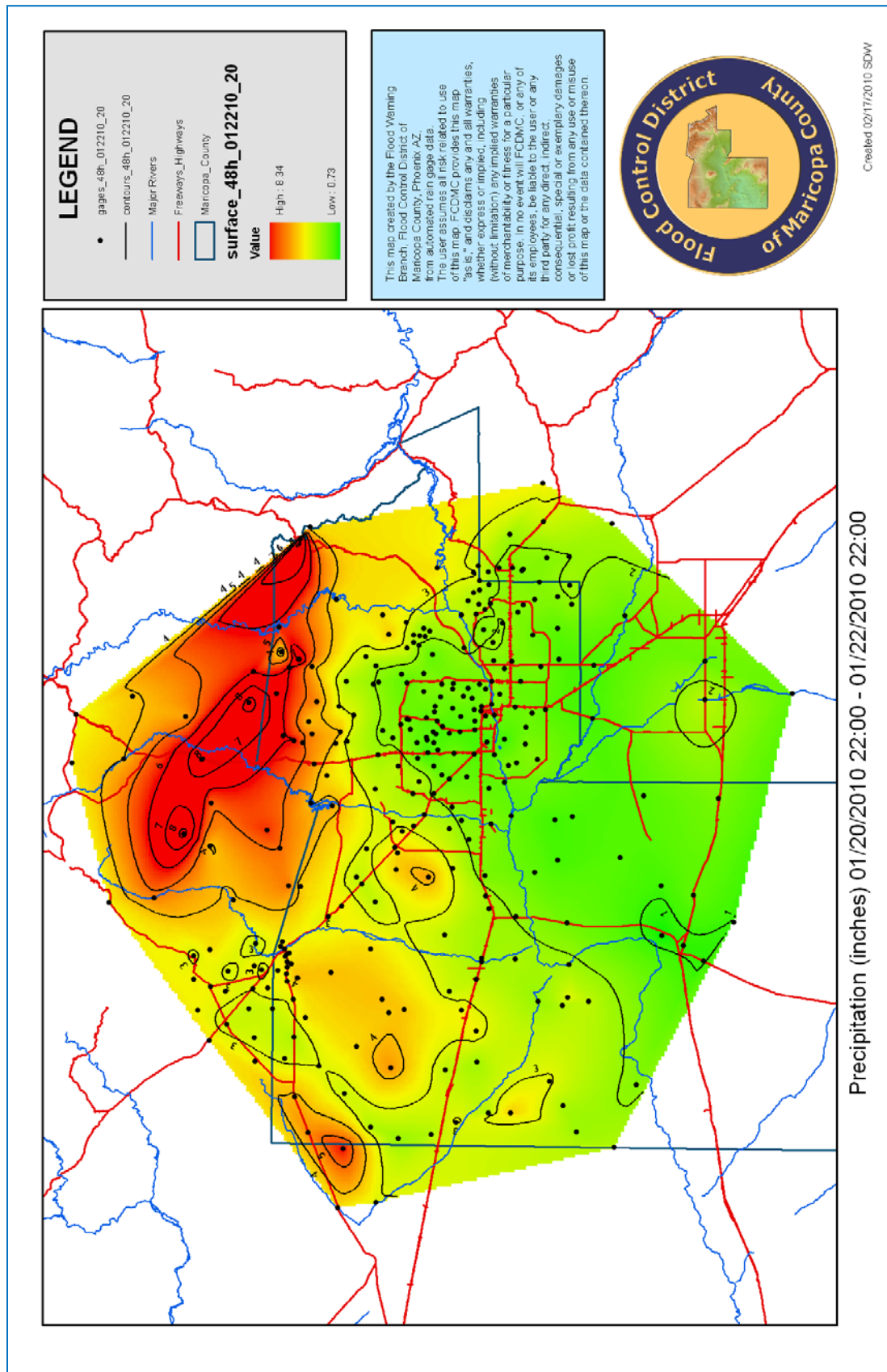
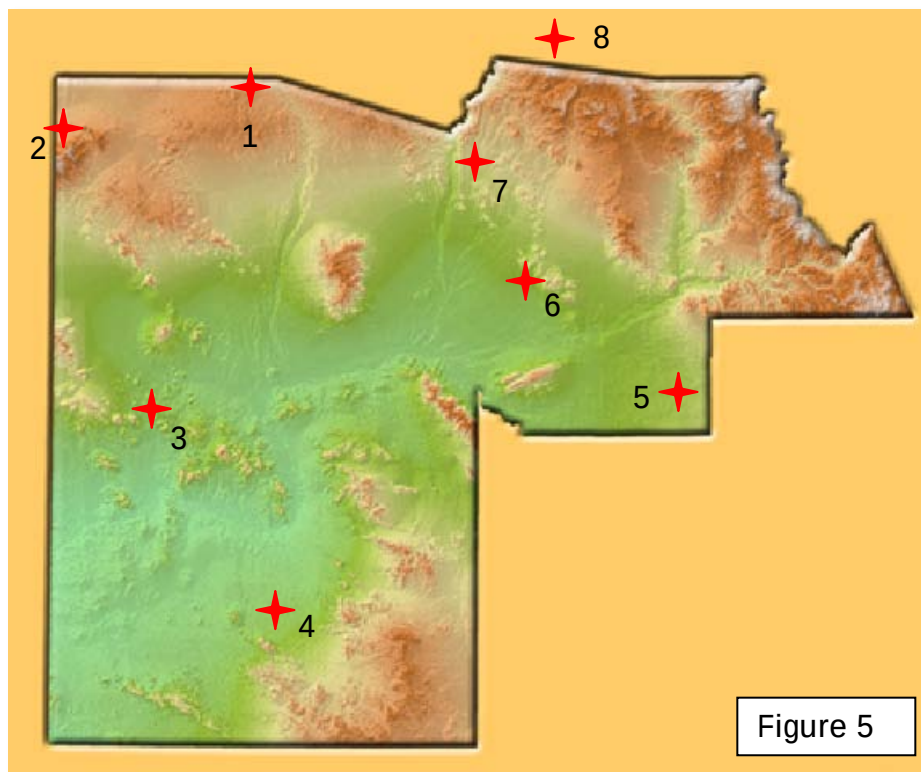


Figure 4 above was created with ESRI ARCMaP® using 48-hour rainfall totals from FCDMC ALERT gages and the “nearest neighbor” method to interpolate amounts between the gages. The amounts illustrate the effects of orographic lifting in this area of the State where storms moving generally east to west will drop larger amounts of precipitation as they move upslope.

RAINFALL STATISTICS AROUND THE COUNTY



- 1) Vulture Mine Rd.
5260
- 2) Gladden
5170
- 3) Saddleback FRS
5110
- 4) Sand Tank Wash
6940
- 5) Queen Cr. Rd.
6610
- 6) Dreamy Draw Dam
4800
- 7) New River Dam
5610
- 8) Cooks Mesa
5640

Rainfall amounts for all operational stations during this event are listed in Appendix A. These summaries include 6-hour period totals for January 18th through the 23rd, plus the peak 6-hour, 12-hour, 1-day, 2-day and 4-day intensities for each gage. These durations were chosen because they coincide with those provided in NOAA Atlas 14. Each column begins with a hyperlink to the gage's history document which includes location information.

In Figure 5 above, eight gages are chosen for detailed frequency analysis. These were chosen both to cover many areas of the County, and because they also collected data in January of 1993 – the last “really big” general rainfall event in the ALERT system record. In Tables II-IX below, peak rainfall amounts for durations of 6-hours to 7-days were calculated for this storm, and for the month of January 1993. Return periods in the form of Annual Exceedance Probability were interpolated for the Jan. 2010 durations.

We see from the tables that amounts for this storm were generally greater than those from 1993 in all cases but one – Dreamy Draw Dam in east-central Phoenix. However, only two of the eight stations show truly impressive return periods: Gladden in the northwest County was greater than 80 years for durations of 1-4 days, and Cooks Mesa in the northeast County was greater than 500 years, also for durations of 1-4 days. Here again, orographic lifting is responsible for the larger rainfall amounts.

Table II below is the [NOAA Atlas 14](#) Point Precipitation Frequency Estimate Table at the latitude/longitude of the [Vulture Mine Road](#) rain gage (5260). The red row lists the recorded rainfall values from 01/18-23/2010. The blue row is the interpolated return period in years for each duration. AEP is “Annual Exceedance Probability”. The black row shows a comparison to the rain amounts recorded for each duration in January of 1993.

TABLE II - Precipitation Frequency Estimates (inches) for Vulture Mine Rd. # 5260																		
AEP (1- in-Y)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.29	0.43	0.54	0.73	0.90	1.00	1.06	1.27	1.50	1.75	1.83	2.15	2.44	2.69	3.35	3.90	4.59	5.15
5	0.42	0.64	0.79	1.07	1.32	1.46	1.51	1.77	2.06	2.42	2.56	2.98	3.37	3.72	4.60	5.37	6.36	7.12
10	0.51	0.77	0.96	1.29	1.60	1.76	1.83	2.11	2.44	2.88	3.06	3.55	4.02	4.42	5.40	6.32	7.51	8.39
25	0.63	0.95	1.18	1.59	1.97	2.16	2.25	2.57	2.94	3.50	3.72	4.30	4.84	5.31	6.38	7.51	8.93	9.93
50	0.71	1.08	1.34	1.81	2.24	2.47	2.59	2.92	3.33	3.97	4.22	4.87	5.48	5.99	7.08	8.36	9.97	11.05
100	0.80	1.21	1.50	2.03	2.51	2.78	2.93	3.29	3.71	4.47	4.74	5.46	6.12	6.68	7.76	9.20	10.99	12.12
200	0.89	1.35	1.67	2.25	2.78	3.09	3.30	3.66	4.11	4.97	5.27	6.06	6.78	7.38	8.42	10.02	11.99	13.17
500	1.00	1.52	1.89	2.54	3.15	3.51	3.80	4.19	4.64	5.66	5.98	6.89	7.67	8.31	9.27	11.07	13.29	14.52
1000	1.09	1.66	2.05	2.76	3.42	3.84	4.21	4.60	5.05	6.21	6.55	7.54	8.36	9.04	9.90	11.86	14.26	15.52
Jan.	18 -	23,	2010	→				1.42	2.40	3.66	4.02	5.08	5.08					
AEP	Yea	rs						3	9	32	38	64	32					
Jan.	06 -	18,	1993	→				0.98	0.98	0.98	1.22	1.54	2.80					

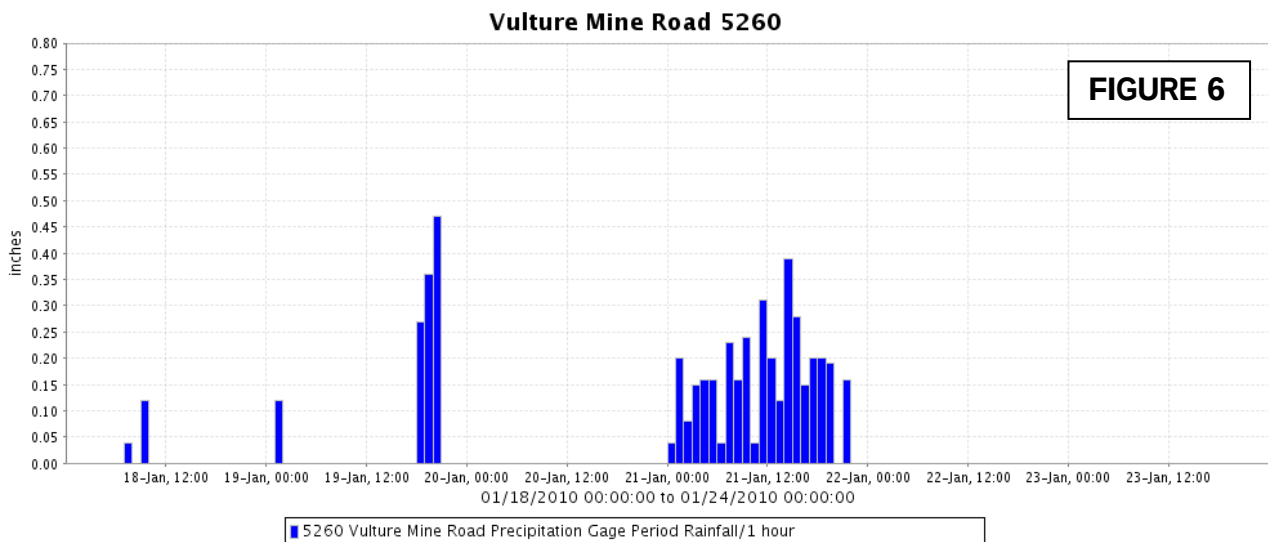


Table III below is the [NOAA Atlas 14](#) Point Precipitation Frequency Estimate Table at the latitude/longitude of the [Gladden](#) rain gage (5170). The red row lists the recorded rainfall values from 01/18-23/2010. The blue row is the interpolated return period in years for each duration. AEP is “Annual Exceedance Probability”. The black row shows a comparison to the rain amounts recorded for each duration in January of 1993.

TABLE III - Precipitation Frequency Estimates (inches) for Gladden # 5170																		
AEP (1- in-Y)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.24	0.37	0.46	0.62	0.77	0.84	0.91	1.15	1.42	1.59	1.60	1.86	2.10	2.29	2.79	3.21	3.74	4.12
5	0.37	0.56	0.69	0.93	1.15	1.25	1.35	1.68	2.06	2.33	2.35	2.68	3.02	3.31	4.05	4.67	5.49	6.05
10	0.45	0.68	0.84	1.13	1.40	1.55	1.66	2.07	2.52	2.85	2.87	3.24	3.65	4.02	4.89	5.62	6.64	7.32
25	0.55	0.83	1.03	1.39	1.72	1.93	2.10	2.59	3.15	3.54	3.57	3.99	4.47	4.95	5.96	6.83	8.11	8.92
50	0.61	0.93	1.16	1.56	1.93	2.23	2.45	3.00	3.63	4.08	4.13	4.56	5.09	5.66	6.76	7.72	9.20	10.09
100	0.69	1.04	1.29	1.74	2.16	2.54	2.82	3.45	4.14	4.65	4.69	5.15	5.73	6.39	7.57	8.61	10.28	11.27
200	0.75	1.14	1.42	1.91	2.36	2.86	3.22	3.92	4.67	5.24	5.30	5.76	6.39	7.14	8.39	9.49	11.37	12.43
500	0.84	1.27	1.58	2.12	2.63	3.29	3.80	4.59	5.43	6.07	6.13	6.59	7.28	8.17	9.48	10.65	12.81	13.97
1000	0.90	1.37	1.70	2.29	2.83	3.63	4.27	5.15	6.04	6.74	6.81	7.25	7.97	8.97	10.33	11.53	13.91	15.15
Jan. 18 - 23, 2010 →								2.91	3.78	4.49	4.61	5.16	5.16					
AEP Years								43	61	82	91	101	54					
Jan. 06 - 18, 1993 →								0.39	0.55	0.71	0.75	1.22	1.69					

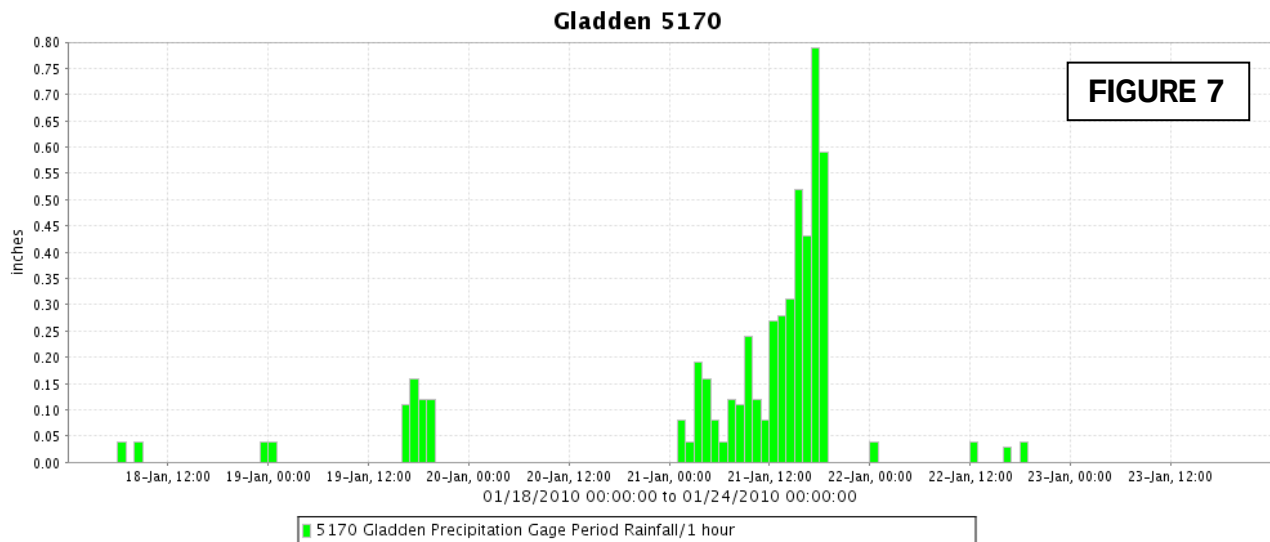


Table IV below is the [NOAA Atlas 14](#) Point Precipitation Frequency Estimate Table at the latitude/longitude of the [Saddleback FRS](#) rain gage (5110). The red row lists the recorded rainfall values from 01/18-23/2010. The blue row is the interpolated return period in years for each duration. AEP is “Annual Exceedance Probability”. The black row shows a comparison to the rain amounts recorded for each duration in January of 1993.

TABLE IV - Precipitation Frequency Estimates (inches) for Saddleback FRS # 5110																		
AEP (1- in-Y)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.26	0.39	0.49	0.65	0.81	0.90	0.95	1.10	1.22	1.29	1.37	1.55	1.73	1.88	2.17	2.51	2.88	3.13
5	0.38	0.58	0.72	0.97	1.21	1.33	1.39	1.59	1.76	1.89	1.99	2.26	2.51	2.74	3.18	3.68	4.24	4.61
10	0.47	0.71	0.88	1.19	1.47	1.64	1.72	1.94	2.14	2.30	2.42	2.75	3.06	3.35	3.87	4.45	5.14	5.59
25	0.57	0.87	1.08	1.45	1.80	2.05	2.15	2.42	2.65	2.87	2.98	3.41	3.77	4.15	4.74	5.43	6.28	6.82
50	0.65	0.98	1.22	1.64	2.03	2.36	2.51	2.79	3.04	3.31	3.41	3.92	4.33	4.77	5.41	6.17	7.13	7.72
100	0.72	1.10	1.36	1.83	2.27	2.68	2.88	3.19	3.45	3.76	3.86	4.45	4.90	5.42	6.09	6.90	7.97	8.63
200	0.79	1.21	1.50	2.02	2.50	3.01	3.28	3.61	3.88	4.24	4.32	5.01	5.49	6.08	6.77	7.63	8.80	9.51
500	0.89	1.35	1.68	2.26	2.79	3.47	3.86	4.22	4.49	4.91	4.95	5.78	6.31	7.01	7.70	8.60	9.91	10.68
1000	0.96	1.46	1.81	2.44	3.01	3.83	4.33	4.72	4.99	5.45	5.50	6.40	6.96	7.74	8.41	9.34	10.74	11.56
Jan.	18 -	23,	2010	→				0.94	1.38	2.13	2.40	2.83	2.83					
AEP	Yea	rs						<2	3	8	10	11	8					
Jan.	06 -	18,	1993	→				0.47	0.59	0.75	1.10	1.61	2.05					

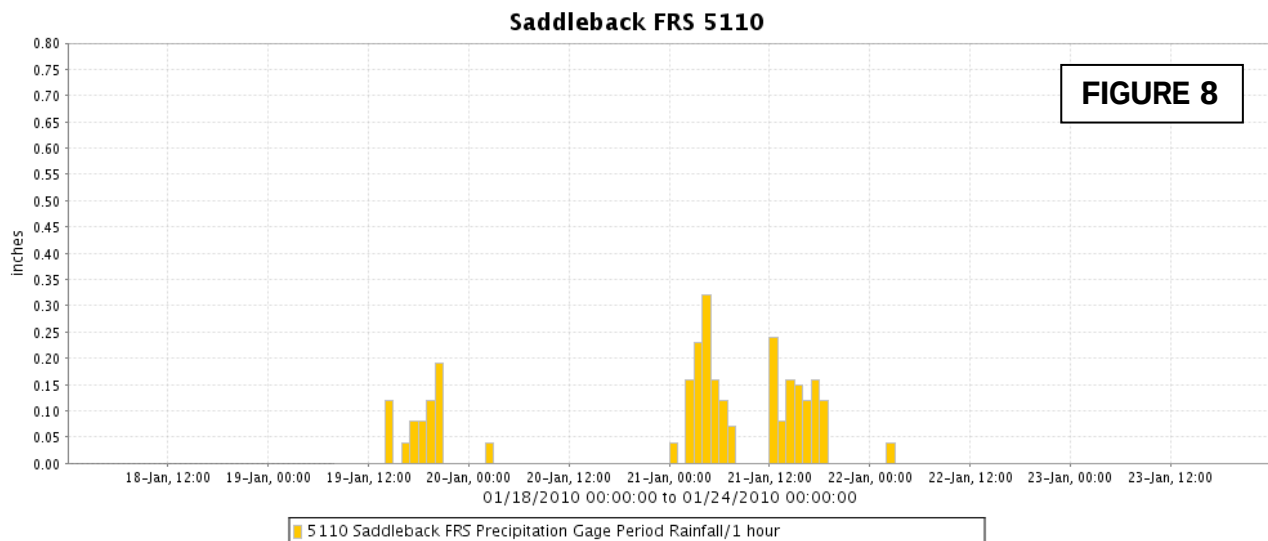


Table V below is the [NOAA Atlas 14](#) Point Precipitation Frequency Estimate Table at the latitude/longitude of the [Sand Tank Wash](#) rain gage (6940). The red row lists the recorded rainfall values from 01/18-23/2010. The blue row is the interpolated return period in years for each duration. AEP is “Annual Exceedance Probability”. The black row shows a comparison to the rain amounts recorded for each duration in January of 1993.

TABLE V - Precipitation Frequency Estimates (inches) for Sand Tank Wash # 6940																		
AEP (1- in-Y)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.22	0.33	0.41	0.55	0.68	0.73	0.76	0.89	0.99	1.25	1.30	1.48	1.63	1.76	2.17	2.50	2.90	3.19
5	0.32	0.49	0.61	0.82	1.01	1.09	1.12	1.29	1.42	1.77	1.84	2.09	2.29	2.49	3.07	3.53	4.14	4.57
10	0.39	0.60	0.74	1.00	1.23	1.34	1.38	1.57	1.73	2.13	2.23	2.54	2.77	3.01	3.67	4.21	4.95	5.48
25	0.48	0.74	0.91	1.23	1.52	1.67	1.74	1.96	2.14	2.62	2.75	3.16	3.42	3.70	4.45	5.09	5.97	6.61
50	0.55	0.83	1.03	1.39	1.73	1.93	2.02	2.27	2.46	2.99	3.15	3.67	3.95	4.25	5.04	5.74	6.72	7.45
100	0.61	0.93	1.16	1.56	1.93	2.20	2.33	2.60	2.79	3.38	3.57	4.20	4.50	4.81	5.63	6.39	7.47	8.28
200	0.68	1.03	1.28	1.73	2.14	2.48	2.66	2.95	3.14	3.78	4.01	4.78	5.08	5.41	6.24	7.04	8.22	9.09
500	0.76	1.16	1.44	1.94	2.40	2.86	3.13	3.45	3.63	4.34	4.62	5.61	5.93	6.25	7.04	7.90	9.20	10.17
1000	0.83	1.26	1.56	2.10	2.60	3.16	3.52	3.86	4.04	4.78	5.11	6.29	6.63	6.92	7.67	8.56	9.94	10.98
Jan. 18 - 23, 2010 →								0.75	0.75	0.83	0.94	1.81	1.81					
AEP Years								<2	<2	<2	<2	3	3					
Jan. 06 - 18, 1993 →								0.24	0.35	0.55	0.75	1.18	1.46					

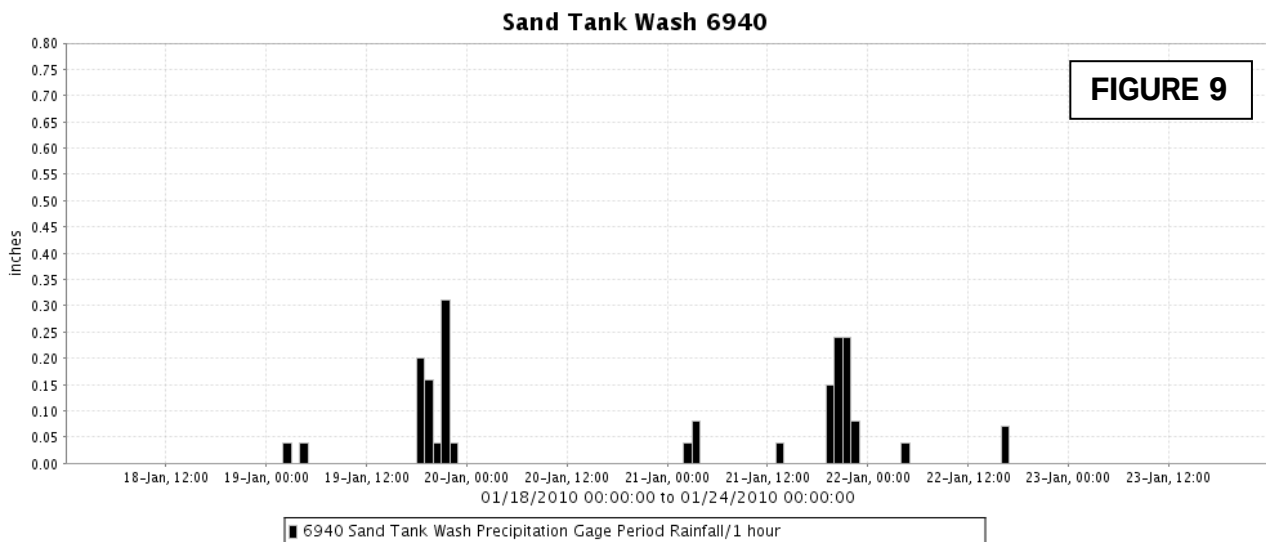


Table VI below is the [NOAA Atlas 14](#) Point Precipitation Frequency Estimate Table at the latitude/longitude of the [Queen Creek Road](#) rain gage (6610). The red row lists the recorded rainfall values from 01/18-23/2010. The blue row is the interpolated return period in years for each duration. AEP is “Annual Exceedance Probability”. The black row shows a comparison to the rain amounts recorded for each duration in January of 1993.

TABLE VI - Precipitation Frequency Estimates (inches) for Queen Creek Road # 6610																		
AEP (1- in-Y)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.23	0.35	0.43	0.58	0.72	0.81	0.86	1.03	1.16	1.40	1.45	1.64	1.81	1.96	2.45	2.87	3.36	3.75
5	0.33	0.51	0.63	0.85	1.05	1.17	1.22	1.42	1.58	1.95	2.03	2.33	2.58	2.79	3.49	4.06	4.76	5.31
10	0.40	0.62	0.76	1.03	1.27	1.41	1.47	1.69	1.87	2.32	2.44	2.83	3.13	3.37	4.18	4.87	5.69	6.32
25	0.50	0.76	0.94	1.26	1.56	1.73	1.80	2.04	2.24	2.82	2.97	3.49	3.87	4.16	5.09	5.92	6.85	7.57
50	0.57	0.87	1.07	1.45	1.79	1.97	2.06	2.31	2.52	3.20	3.38	4.03	4.46	4.79	5.77	6.71	7.71	8.48
100	0.64	0.98	1.21	1.63	2.01	2.21	2.33	2.59	2.80	3.60	3.80	4.59	5.08	5.44	6.45	7.51	8.57	9.38
200	0.71	1.08	1.34	1.81	2.24	2.46	2.61	2.87	3.08	4.01	4.24	5.18	5.74	6.12	7.15	8.32	9.42	10.25
500	0.81	1.23	1.53	2.06	2.55	2.79	3.00	3.26	3.46	4.58	4.84	6.02	6.68	7.09	8.08	9.40	10.53	11.39
1000	0.88	1.34	1.67	2.24	2.77	3.05	3.31	3.57	3.75	5.03	5.31	6.70	7.43	7.86	8.80	10.24	11.37	12.23
Jan.	18 -	23,	2010	→				1.18	1.18	1.57	1.85	3.03	3.03					
AEP	Yea	rs						3	2	3	4	13	9					
Jan.	06 -	18,	1993	→				0.47	0.67	1.02	1.10	1.81	2.56					

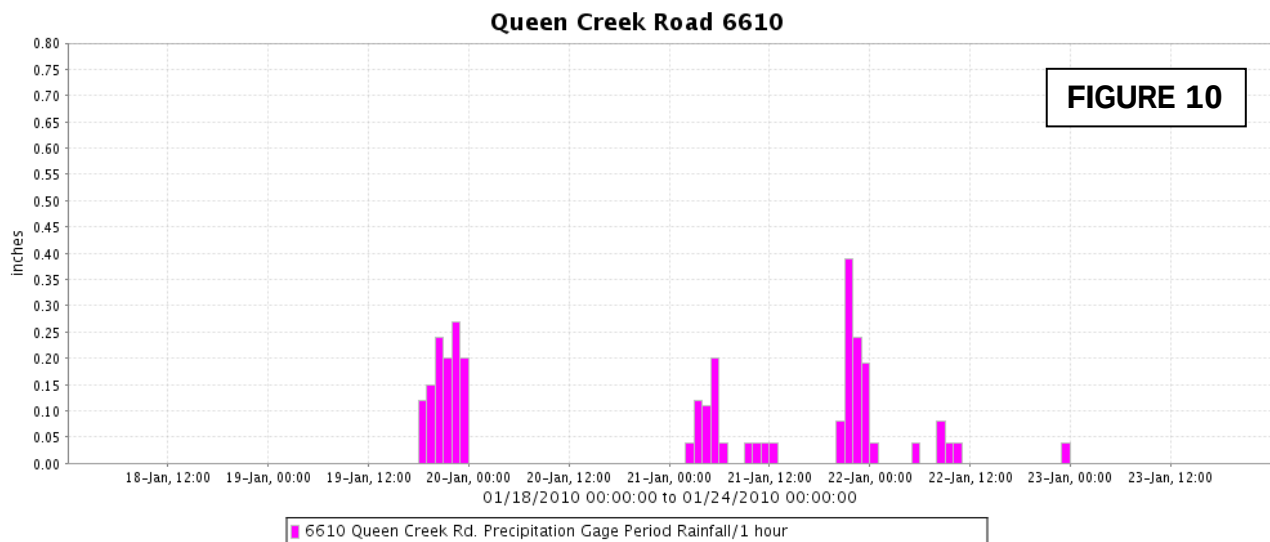


Table VII below is the [NOAA Atlas 14](#) Point Precipitation Frequency Estimate Table at the latitude/longitude of the [Dreamy Draw Dam](#) rain gage (4800). The red row lists the recorded rainfall values from 01/18-23/2010. The blue row is the interpolated return period in years for each duration. AEP is “Annual Exceedance Probability”. The black row shows a comparison to the rain amounts recorded for each duration in January of 1993.

TABLE VII - Precipitation Frequency Estimates (inches) for Dreamy Draw Dam # 4800																		
AEP* (1-in-Y)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.23	0.35	0.43	0.58	0.72	0.83	0.89	1.06	1.19	1.39	1.51	1.70	1.91	2.08	2.57	3.02	3.51	3.88
5	0.34	0.51	0.64	0.86	1.06	1.20	1.26	1.46	1.63	1.95	2.14	2.44	2.75	2.97	3.68	4.32	5.01	5.53
10	0.41	0.63	0.78	1.04	1.29	1.45	1.52	1.75	1.93	2.34	2.59	2.96	3.35	3.62	4.43	5.20	6.01	6.61
25	0.51	0.77	0.96	1.29	1.59	1.78	1.87	2.11	2.31	2.86	3.20	3.68	4.17	4.48	5.40	6.34	7.27	7.95
50	0.58	0.88	1.09	1.47	1.82	2.03	2.15	2.40	2.60	3.26	3.67	4.26	4.82	5.17	6.13	7.20	8.22	8.94
100	0.65	0.99	1.23	1.65	2.05	2.28	2.43	2.69	2.89	3.67	4.16	4.87	5.50	5.89	6.88	8.08	9.16	9.92
200	0.73	1.10	1.37	1.84	2.28	2.53	2.72	2.98	3.19	4.10	4.68	5.51	6.24	6.66	7.63	8.97	10.11	10.88
500	0.82	1.25	1.55	2.09	2.59	2.87	3.12	3.38	3.58	4.70	5.40	6.43	7.27	7.73	8.66	10.18	11.38	12.16
1000	0.90	1.37	1.69	2.28	2.82	3.13	3.45	3.69	3.89	5.17	5.97	7.17	8.11	8.59	9.45	11.11	12.35	13.11
Jan. 18 - 23, 2010 →								0.79	0.79	0.94	1.30	2.01	2.01					
AEP Years								<2	<2	<2	<2	3	2					
Jan. 06 - 18, 1993 →								0.83	1.02	1.30	1.50	2.48	3.07					

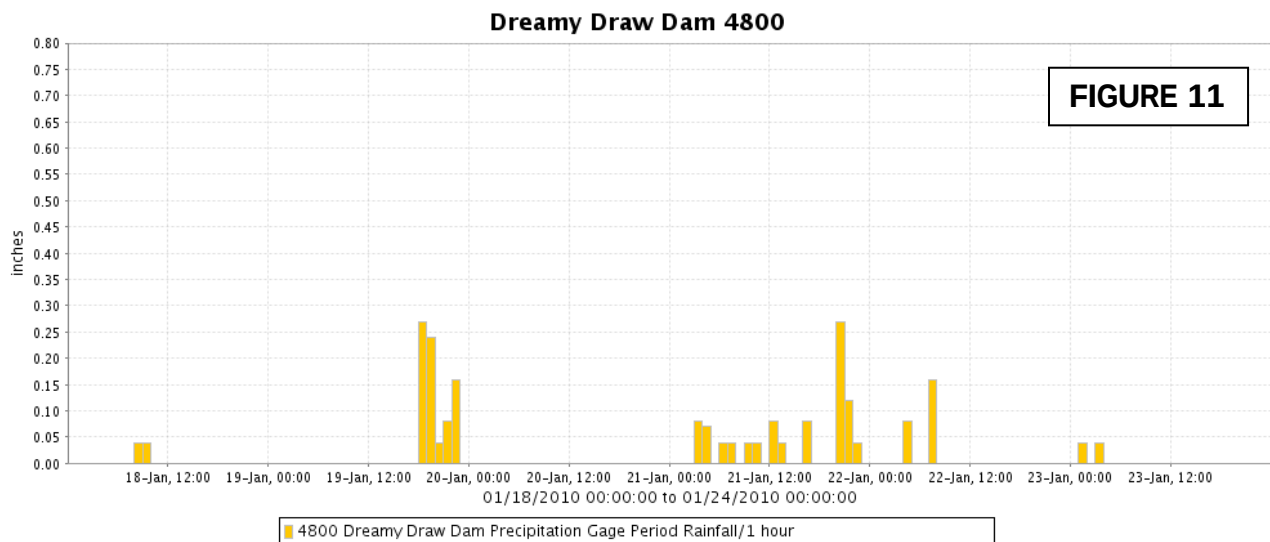


Table VIII below is the [NOAA Atlas 14](#) Point Precipitation Frequency Estimate Table at the latitude/longitude of the [New River Dam](#) rain gage (5610). The red row lists the recorded rainfall values from 01/18-23/2010. The blue row is the interpolated return period in years for each duration. AEP is “Annual Exceedance Probability”. The black row shows a comparison to the rain amounts recorded for each duration in January of 1993.

TABLE VIII - Precipitation Frequency Estimates (inches) for New River Dam # 5610																		
AEP* (1-in-Y)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.25	0.38	0.48	0.64	0.79	0.92	0.95	1.11	1.26	1.43	1.52	1.73	1.95	2.13	2.60	3.04	3.56	3.96
5	0.37	0.56	0.70	0.94	1.16	1.32	1.35	1.53	1.71	1.99	2.15	2.46	2.78	3.02	3.70	4.32	5.06	5.61
10	0.45	0.69	0.85	1.14	1.42	1.60	1.63	1.82	2.02	2.38	2.59	2.99	3.37	3.66	4.44	5.18	6.05	6.69
25	0.55	0.84	1.05	1.41	1.74	1.96	2.00	2.21	2.42	2.89	3.17	3.70	4.18	4.52	5.39	6.28	7.30	8.03
50	0.63	0.96	1.19	1.61	1.99	2.23	2.29	2.50	2.73	3.29	3.62	4.27	4.81	5.20	6.11	7.12	8.22	9.01
100	0.71	1.08	1.34	1.81	2.24	2.51	2.59	2.80	3.03	3.71	4.09	4.87	5.48	5.92	6.84	7.96	9.14	9.97
200	0.79	1.21	1.50	2.01	2.49	2.79	2.91	3.12	3.34	4.14	4.58	5.50	6.20	6.67	7.57	8.82	10.06	10.92
500	0.90	1.37	1.70	2.29	2.83	3.17	3.34	3.54	3.75	4.73	5.25	6.40	7.20	7.72	8.57	9.97	11.28	12.15
1000	0.98	1.50	1.86	2.50	3.09	3.47	3.69	3.88	4.08	5.19	5.79	7.13	8.02	8.57	9.33	10.85	12.19	13.07
Jan. 18 - 23, 2010 →								0.91	1.46	2.56	2.64	3.62	3.62					
AEP Years								<2	<2	14	11	23	13					
Jan. 06 - 18, 1993 →								0.71	0.91	1.38	2.09	2.32	2.60					

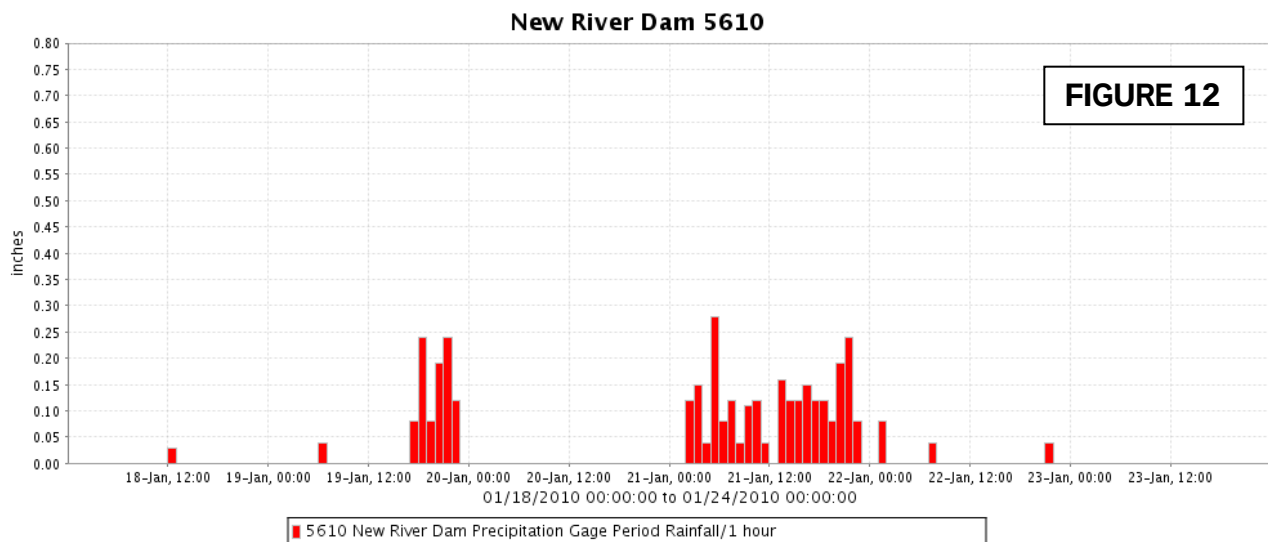
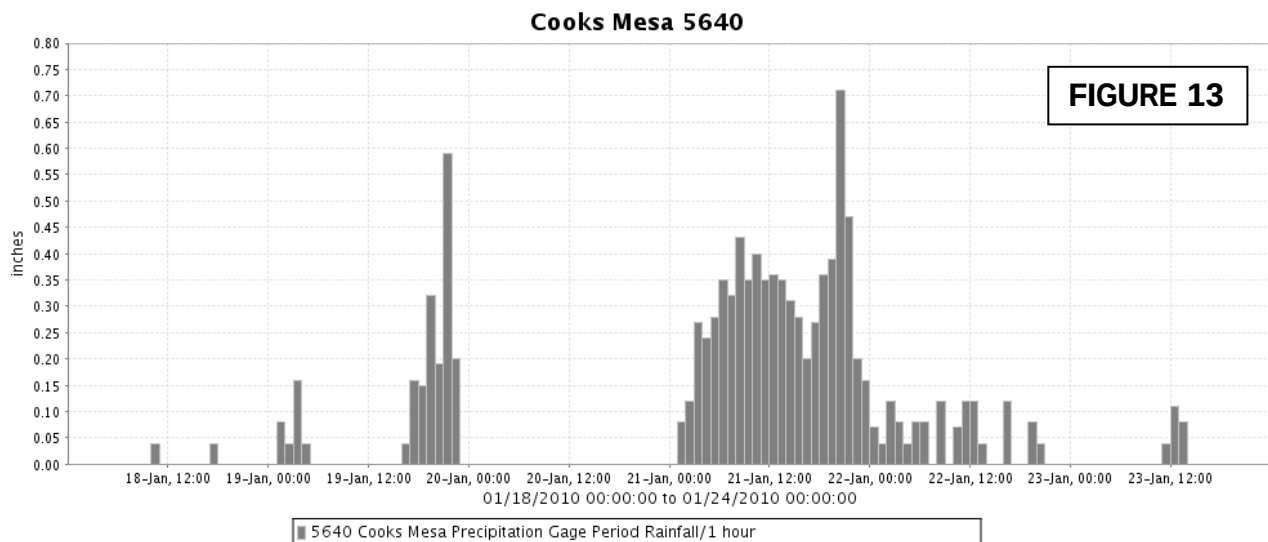


Table IX below is the [NOAA Atlas 14](#) Point Precipitation Frequency Estimate Table at the latitude/longitude of the [Cooks Mesa](#) rain gage (5640). The red row lists the recorded rainfall values from 01/18-23/2010. The blue row is the interpolated return period in years for each duration. AEP is “Annual Exceedance Probability”. The black row shows a comparison to the rain amounts recorded for each duration in January of 1993.

TABLE IX - Precipitation Frequency Estimates (inches) for Cooks Mesa # 5640																			
AEP* (1-in-Y)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day	
2	0.31	0.47	0.59	0.79	0.98	1.12	1.21	1.43	1.76	2.13	2.43	2.91	3.41	3.75	4.86	5.81	6.95	7.92	
5	0.45	0.69	0.86	1.15	1.43	1.60	1.69	1.94	2.35	2.94	3.38	4.08	4.77	5.24	6.71	8.05	9.65	10.95	
10	0.55	0.84	1.05	1.41	1.74	1.94	2.04	2.30	2.76	3.50	4.05	4.91	5.76	6.30	7.96	9.55	11.47	12.96	
25	0.69	1.05	1.30	1.75	2.17	2.41	2.52	2.80	3.29	4.25	4.95	6.05	7.09	7.71	9.55	11.46	13.80	15.48	
50	0.79	1.21	1.50	2.02	2.50	2.78	2.90	3.18	3.69	4.85	5.66	6.96	8.15	8.83	10.76	12.90	15.56	17.35	
100	0.90	1.38	1.71	2.30	2.84	3.17	3.30	3.59	4.10	5.46	6.40	7.92	9.27	10.01	12.00	14.34	17.35	19.22	
200	1.02	1.55	1.93	2.60	3.21	3.59	3.73	4.02	4.52	6.10	7.17	8.94	10.47	11.26	13.25	15.81	19.16	21.10	
500	1.19	1.81	2.24	3.01	3.73	4.18	4.35	4.62	5.09	6.99	8.25	10.38	12.18	13.02	14.97	17.77	21.63	23.62	
1000	1.32	2.01	2.49	3.36	4.16	4.66	4.86	5.11	5.58	7.70	9.12	11.56	13.58	14.46	16.32	19.29	23.55	25.55	
Jan. 18 - 23, 2010	→							2.40	4.45	7.32	8.43	10.43	10.43						
AEP Years								12	178	690	577	515	195						
Jan. 06 - 18, 1993	→							1.54	2.48	4.09	5.94	6.81	8.70						



This section revised Aug. 10, 2010

RUNOFF

Roughly 91 percent of District streamgages recorded runoff during the event of January 21-22. Flow quantities varied greatly. Locations in the western, northwest, northern, and northeast parts of Maricopa County received the greatest runoff. Gage sites in Pinal County tended to have smaller peak runoff. Some stations received only minor runoff, amounts that would be expected during typical summer monsoonal thunderstorm activity. Stations along Indian Bend Wash and Arizona Canal Diversion Channel were higher than average, but not extraordinary. Flows in the East Maricopa Floodway were in the 1,000 cfs vicinity, which is higher than usual. Stations that did not record runoff were ACDC at 14th Street, Estrella Fan, Gila River at Maricopa Road, Pecos Inflow West, Powderhouse Wash, **Pecos Inflow West**, Powerline Floodway, Rawhide Wash, Reata Pass Wash, Sols Tributary at US93, South Mountain Fan, and Tatum Basin Inflow.

The streams of New River and Cave Creek by far experienced the largest flows in many years. The **computed** discharge in Cave Creek (near Cave Creek) is **15,000 cfs** which is the largest flow recorded since records began in 1958 and is in excess of a 50-year return period. **The computed discharge at the Cave Creek (4893) gage station was 15,900 cfs at 12.1 feet gage height.** Similarly, the flow on New River (near Rock Springs) is estimated at about 20,700 cfs, which would be the largest flow on New River since data collection began in 1962. **The District's New River Fire (5638) streamgage showed a much less impressive flow (7,500 cfs), and is thought to be too low.**

The Hassayampa River also had high flows. For instance, Hassayampa River at Box Canyon (Box Damsite – USGS) had a peak discharge estimated to be 23,600 cfs, which is the highest since 1993 and the sixth greatest flow recorded since records began in 1925. About 21,000 cfs was recorded at the station near Morristown.

Another significant flow occurred on Centennial Wash in two locations. The locations are well removed from one another and the large flow at the lower site is not related to the flow at the upper location. Beginning in the upper watershed, flow at Wenden on Centennial Wash neared seven feet depth, with an estimated discharge of 10,000 cfs. However, due to a significant vegetative obstruction to flow in the channel above the gage, this discharge value is suspect. Much farther downstream and at an earlier time, discharge at the railroad bridge, several miles upstream from the wash's confluence with the Gila River **is computed to be 8,000 cfs at about 14.0 feet gage height. The low chord of the railroad bridge is about 16 feet. This is the largest flow since 1993.**

The heavy rains in northern Maricopa County produced some record flows on smaller streams as well. Skunk Creek (near New River) experienced its highest discharge since installation in 1995. **Discharge was approximately 2,000 cfs. Cline Creek had its highest peak flow since installation in 2001 of 1,225 cfs.**

Other notable discharges include 7,000 cfs at the Hassayampa River at I-10; 5,300 cfs at Skunk Creek at I-17; **4,570 cfs** at Jackrabbit Wash above Wickenburg Road; about **3,000 cfs** at Seven Springs Wash; 2,400 cfs at Tiger Wash above Eagle Eye Road; **1,600 cfs** at Waterman Wash at Rainbow Valley Road; 1,100 cfs in Indian Bend Wash through

Scottsdale; 1,000 cfs at Fourth of July Wash and about 800 cfs each at Cruft Wash and Delaney Wash.

Stations that were not functional during the event were Cave Creek near Cave Creek (4918-vandalism); Colter Channel at El Mirage Road (5408-unknown); Hassayampa River at US60 (5228-construction); IBW at Indian School Road (4618-construction) and Vulture Mine Road (5263-unknown).

TABLE X - SUMMARY OF SELECTED STREAMFLOW READINGS AT FCD STATIONS

STATION	ID	PEAK STAGE (feet)	PEAK FLOW (cfs)	DATE - TIME
ACDC at 36 th Street	4808	1.79	16	01/21/10 - 23:03
ACDC at 43 rd Avenue	4823	1.50	391	01/22/10 - 08:50
ACDC at 67 th Avenue	5523	4.22	760	01/22/10 - 00:03
Agua Fria at Buckeye Rd.	5403	2.23	1,782	01/22/10 - 06:50
Agua Fria at Grand Ave.	5503	6.28	5,324	01/21/10 - 23:24
Antelope Creek	7168	2.07	264	01/21/10 - 18:45
Bender Wash	6963	3.45	31	01/22/10 - 00:53
Berneil Wash	4688	0.90	154	01/21/10 - 22:53
Box Wash	5273	2.13	355	01/21/10 - 18:27
Bullard at Indian School	6868	2.62	537	01/21/10 - 23:41
Bullard Wash	6863	1.01	233	01/22/10 - 02:39
Casandro Wash	7093	2.18	99	01/19/10 - 20:59
Cave Creek	4893	12.1	15,900	Unknown
Cave Creek near Cave Creek	4918	11.2	15,000	Unknown
Cave Creek at Spur Cross	4923	16.19	13,568	01/21/10 - 21:00
Cave Creek Ashdale	4947	10.74	7,000	01/21/10 - 19:41
Cave Creek at Cactus	4833	10.95	816	01/21/10 - 22:39
Centennial near Aguila	5178	3.37	606	01/21/10 - 22:57
Centennial Wash at Wenden	5093	6.85	9,938	01/22/10 - 04:08
Centennial Levee	5123	2.70	233	01/21/10 - 12:44
Centennial Wash at SPRR	5103	14.0	8,000	01/22/10 - 02:45
Cline Creek	5583	4.68	1,225	01/21/10 - 21:16
Columbus Wash	5013	1.05	131	01/21/10 - 21:03
Copper Wash	5033	1.10	49	01/21/10 - 19:01
Cruft Wash	5078	3.80	800	01/21/10 - 20:53
Daggs Wash	5498	1.08	254	01/21/10 - 20:33
Delaney Wash	5108	4.63	836	01/21/10 - 06:28
Desert Hills Wash	4898	4.30	211	01/21/10 - 21:00
Dysart Drain at LAFB	5413	1.73	154	01/21/10 - 22:00
Dysart Drain at El Mirage	5423	5.15	775	01/21/10 - 21:04
EFCC near 7 th Avenue	4668	2.75	494	01/21/10 - 22:00
El Mirage Drain	5483	3.41	487	01/21/10 - 21:10
EMF at Broadway Rd	6573	2.43	1,131	01/22/10 - 00:19
EMF at Queen Creek Rd	6583	3.36	1,966	01/22/10 - 03:32
EMF at Arizona Avenue	6598	1.77	945	01/22/10 - 07:44

STATION	ID	PEAK STAGE (feet)	PEAK FLOW (cfs)	DATE - TIME
Flying E Wash	7083	1.23	108	01/21/10 - 14:00
Ford Canyon Wash	5428	2.30	302	01/21/10 - 20:35
Fourth of July Wash	5043	2.60	995	01/21/10 - 19:09
Gila River at Estrella Pkwy	6853	11.73	18,528	01/23/10 - 06:15
Gila River at 116 th Ave	6848	6.95	26,316	01/23/10 - 03:20
Gila River at Olberg	0783	1.61	928	01/24/10 - 02:32
Granite Reef	4568	1.05	385	01/21/10 - 22:44
Granite Reef Wash	4728	6.05	479	01/21/10 - 21:47
Greene Wash at SR84	0793	0.20	15	Unknown
Guadalupe Channel	6603	1.20	221	01/21/10 - 06:21
Hartman Wash	7063	0.90	108	01/21/10 - 17:44
Hassayampa at Wagoner	5352	5.30	1,690	01/21/10 - 23:15
Hassayampa at Box Canyon	5308	18.40	23,631	01/21/10 - 23:08
Hassayampa at US60	5228	None	None	Out of Service
Hassayampa at Morristown	5223	15.0	21,000	Unknown
Hassayampa at I-10	5283	4.37	7,015	01/21/10 - 18:29
IBW at Sweetwater	4643	2.12	274	01/21/10 - 21:26
IBW at Shea Blvd	4693	1.95	654	01/21/10 - 22:05
IBW near Indian Bend Rd	4613	3.90	1,032	01/22/10 - 00:25
IBW at McDonald Drive	4628	1.68	1,188	01/22/10 - 01:20
IBW at McKellips Road	4603	2.57	883	01/22/10 - 06:39
IBW Interceptor	4623	1.77	149	01/22/10 - 01:23
Jackrabbit Wash	5218	5.20	4,570	01/21/10 - 19:42
Lake Marguarite	4678	1.42	179	01/21/10 - 21:21
Martinez Creek	7013	3.65	153	01/21/10 - 20:44
McDowell Mtn Road	5923	0.20	13	01/21/10 - 21:37
McMicken Dam at Bell Rd	5443	3.08	331	01/22/10 - 04:10
McMicken Floodway	5438	2.05	155	01/22/10 - 06:56
New River at Bell Road	5598	2.22	1,654	01/22/10 - 08:20
New River at Glendale Ave	5508	1.67	2,285	01/22/10 - 02:59
Old Crosscut	4748	1.53	266	01/21/10 - 21:13
Price Drain	4573	3.71	199	01/22/10 - 06:24
Queen Creek at Rittenhouse	6707	3.18	307	01/22/10 - 18:45
Queen Creek at CAP	6723	8.77	926	01/22/10 - 04:40
Rainbow Wash	6953	2.33	650	01/21/10 - 21:33
Salt River at 67 th Ave.	4758	9.43	11,200	01/22/10 - 12:24
Salt River at Priest Dr.	4523	8.75	25,000	01/22/10 - 06:53
Sand Tank at I-8	6933	2.83	603	01/21/10 - 22:48
Santa Cruz at SR84	0788	1.33	80	01/22/10 - 13:47
Santa Rosa at SR84	0798	-0.10	318	01/22/10 - 13:48
Sauceda Wash	6923	2.60	152	01/22/10 - 01:57
Scatter Wash	5543	1.75	122	01/21/10 - 00:00
Seven Springs Wash	4963	8.26	2,985	01/21/10 - 21:12
Skunk Creek near New River	5588	4.29	2,000	01/21/10 - 20:46
Skunk Creek at I-17	5568	4.59	5,362	01/21/10 - 23:42
Skunk Tank Wash	4888	6.10	213	01/21/10 - 20:58

STATION	ID	PEAK STAGE (feet)	PEAK FLOW (cfs)	DATE - TIME
Skunk Tank Wash	4888	6.10	213	01/21/10 - 20:58
Sols Wash at SR71	5276	0.70	81	01/21/10 - 21:32
Sols Wash near Matthie	7043	1.31	690	01/21/10 - 21:39
Spookhill Brown	6693	2.64	48	01/22/10 - 10:04
Spookhill McKellips	6638	3.75	47	01/22/10 - 12:41
Spookhill McDowell	6637	4.85	47	01/22/10 - 09:51
Sun Valley at Northern	5303	1.00	250	01/21/10 - 18:34
Tiger Wash	5163	7.85	2,404	01/21/10 - 20:25
Upper Trilby Wash	5488	1.30	28	01/21/10 - 19:32
Vekol Wash	6983	6.09	755	01/22/10 - 00:15
Waterman at Rainbow Vly.	6833	7.50	1,590	01/22/10 - 02:16
Weekes Wash Baseline	6753	0.85	53	01/22/10 - 01:10
Winters at Indian School	5098	3.42	966	01/21/10 - 19:52
Winters Wash	5118	2.66	425	01/21/10 - 19:54

NOTE: These discharge values should be considered estimates. Many will be updated as necessary upon verification of peak discharge by field methods. Check our website in July 2010, or the Water Year 2010 Annual Report issued in November 2010.

One record impoundment was recorded during the month at Adobe Dam. Adobe Dam had an impoundment of 16.51 feet, or 1,355.06 feet. Other notable impoundments include Cave Buttes Dam, which reached a level of 1,622.7 feet or 62.7 feet gage height, and New River Dam peaked at nearly 42 feet gage height, or 1,431.4 feet. McMicken Dam had an impoundment for the first time in several years – the level was nearly 3 feet which translates to about 1,500 acre-feet of storage. Sunset FRS and Sunnycove FRS both had impoundments around 22 and 15 percent capacity respectively.

In the southeast valley, Whitlow Ranch Dam had nearly 53 feet of impoundment. Magma FRS and Rittenhouse FRS both had 11-foot impoundments. Tat Momolikot Dam also had about 10 feet of water, which for that structure is a lot of water, but nowhere near its enormous capacity.

Some stations that did not record any impoundment, or insignificant amounts, were Crossroads Park, Freestone Basin, Guadalupe FRS, Phoenix East Park Dam, Phoenix West Park Dam, White Tank FRS #3, and White Tank FRS #4. Only Buckeye #1 FRS was out of service during the event, due to vandalism.

TABLE XI - SUMMARY OF SELECTED IMPOUNDMENTS AT FCD STATIONS

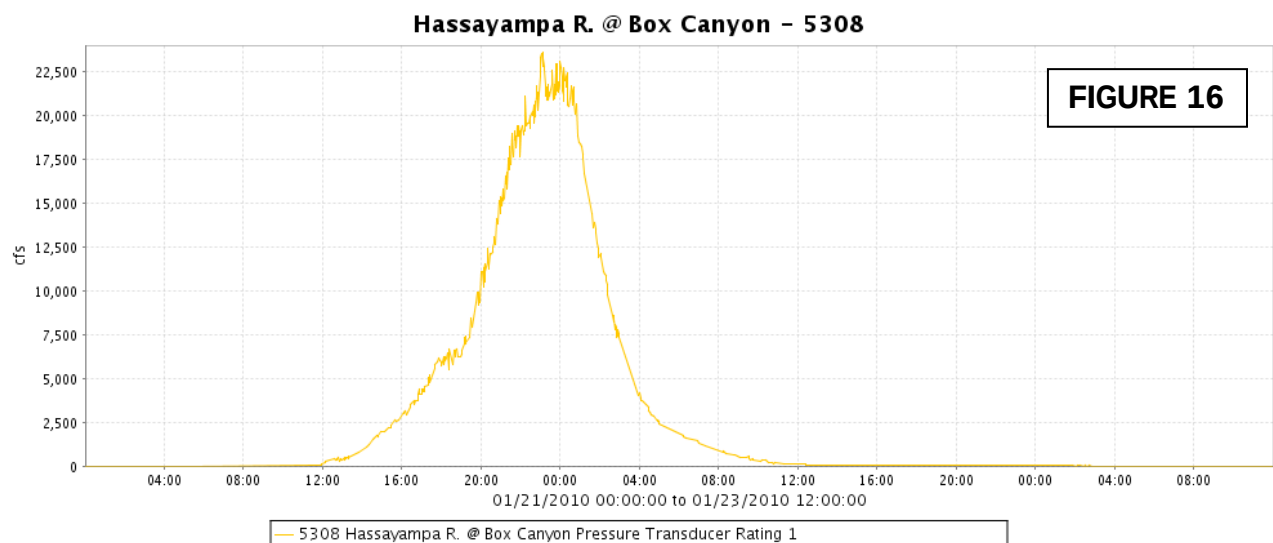
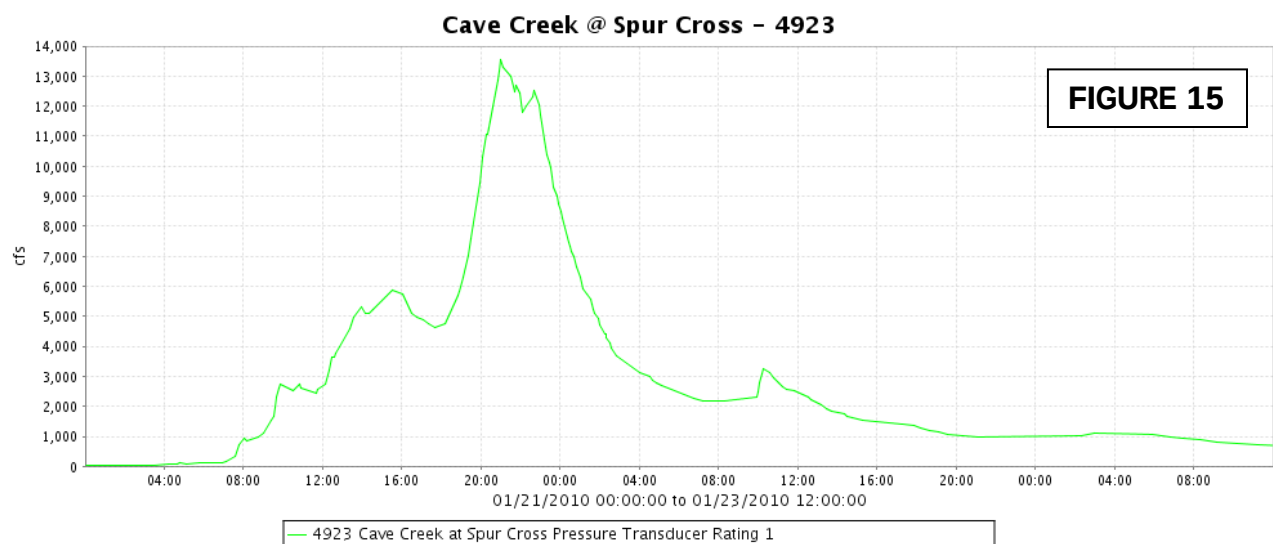
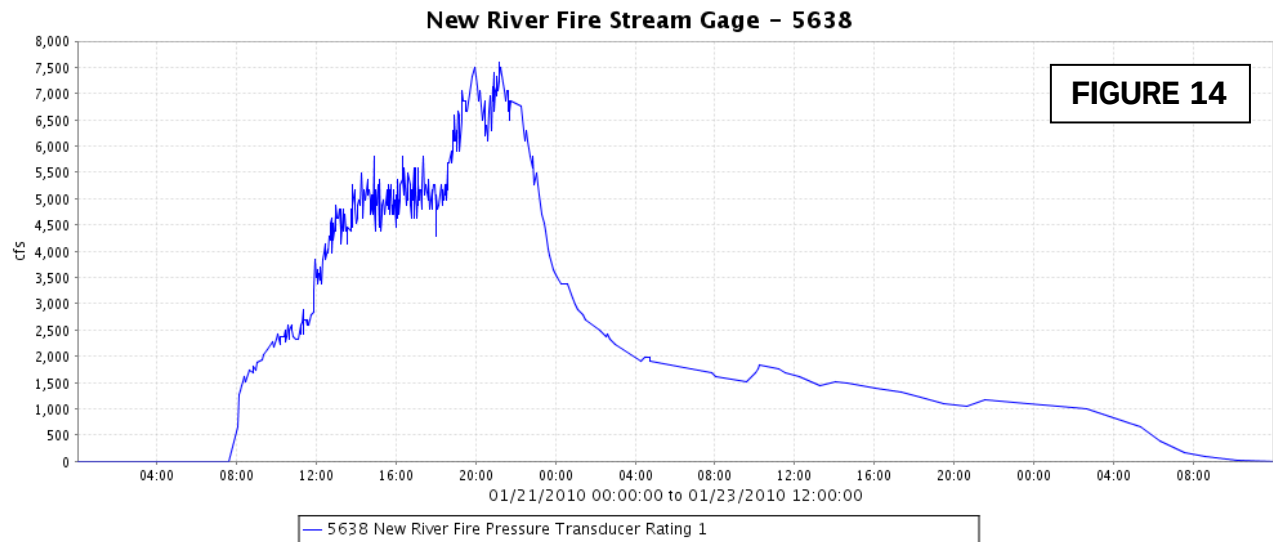
STATION NAME	ID	PEAK Gage Ht. (feet)	PEAK STORAGE (acre-feet)	PEAK CAPACITY (% full)	DATE - TIME
10 th St. Wash Basin #1	4818	1.48	0.74	3.4	01/21/10-22:49
Adobe Dam Pool	5539	16.51	1,537.0	8.1	01/22/10-02:13
Apache Junction FRS	6673	2.71	2.0	0.3	01/22/10-00:21
Aspen Dam	5988	2.44	0.9	0.5	01/21/10-21:29
Buckeye #2 FRS	5208	0.21	1.0	0.1	01/21/10-22:34
Buckeye #3 FRS	6813	-1.08	0	0	01/21/10-21:03

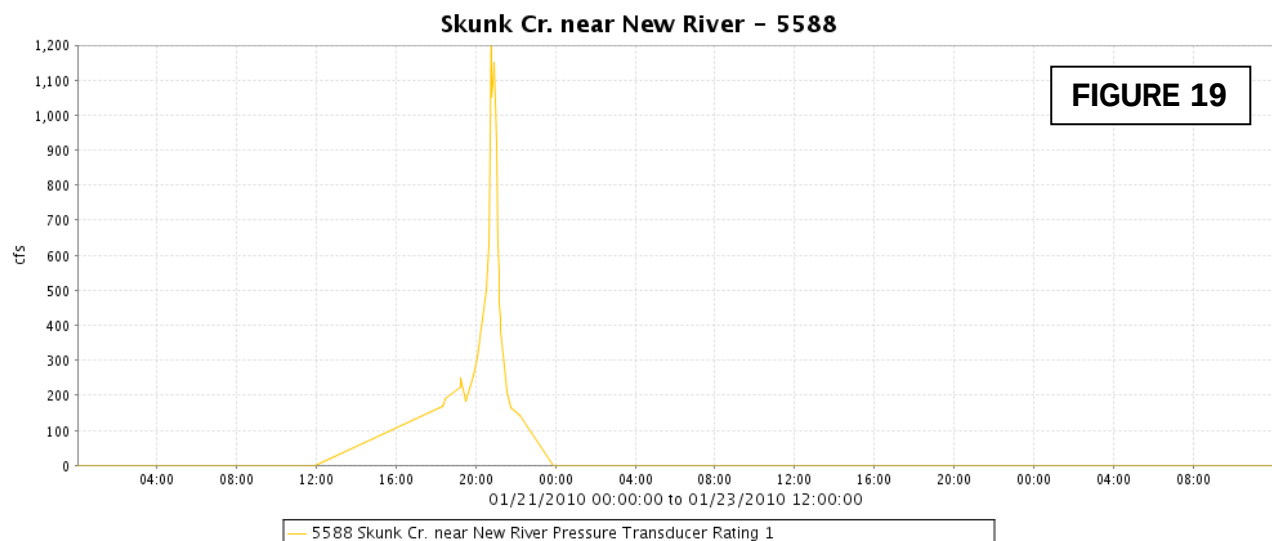
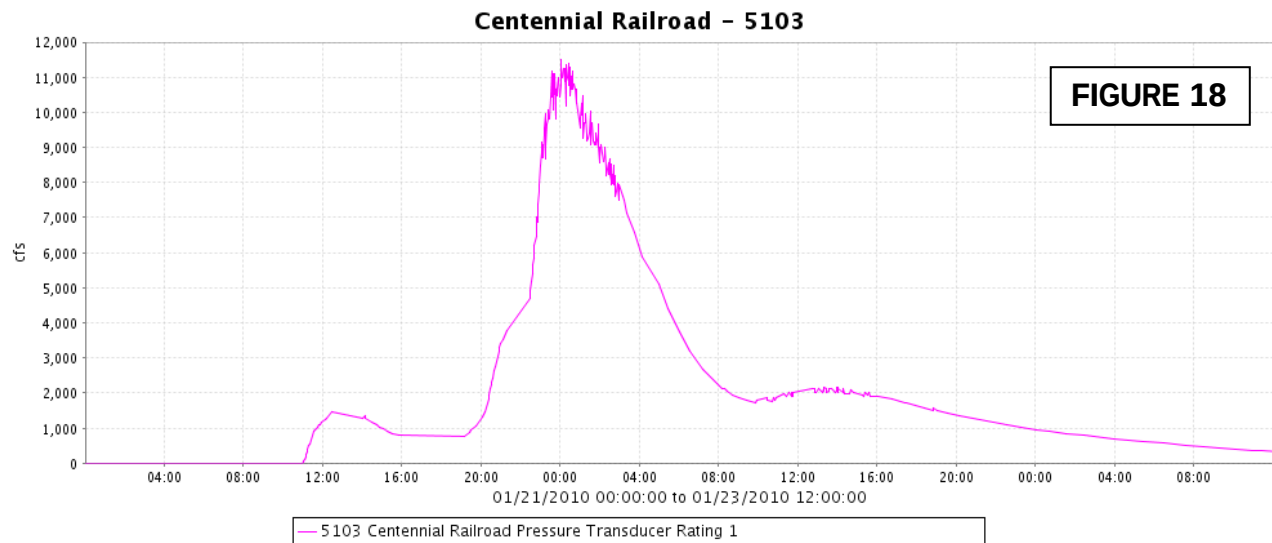
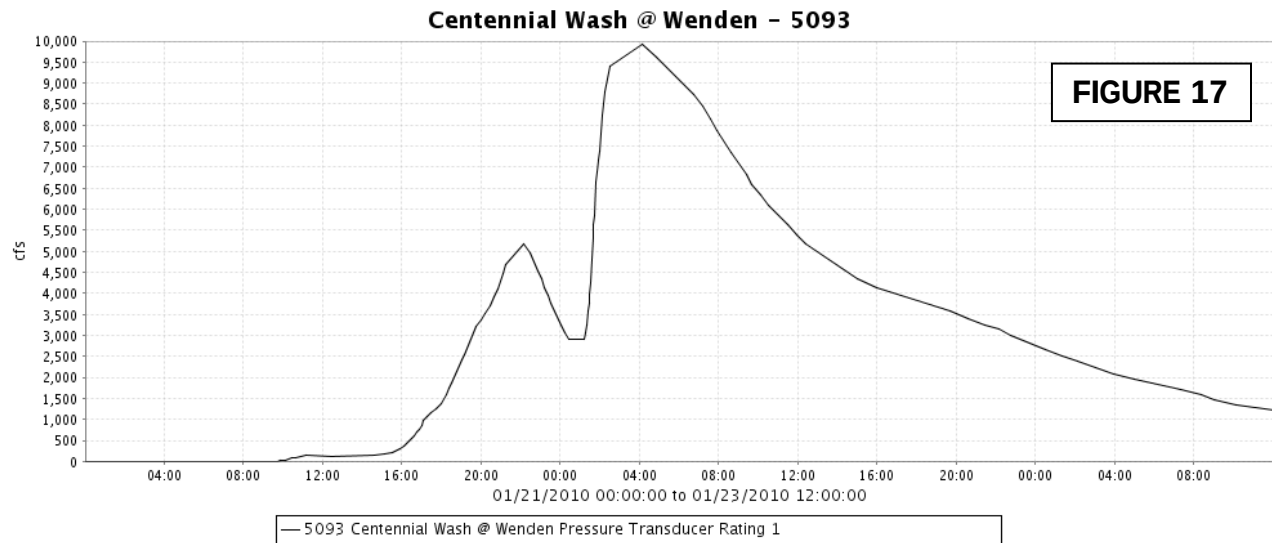
STATION NAME	ID	PEAK Gage Ht. (feet)	PEAK STORAGE (acre-feet)	PEAK CAPACITY (% full)	DATE - TIME
Casandro Dam	7133	6.19	23.2	16.0	01/21/10-21:53
Cave Buttes Dam Pool	4904	62.70	8,696.0	18.6	01/23/10-23:39
Dreamy Draw Dam	4803	3.92	0	0	01/21/10-20:54
EFCC Basin #1	4648	1.05	1.0	1.7	01/21/10-21:06
EFCC Basin #3	4683	0.23	0	0	Unknown
EFCC Basin #4	4658	1.85	1.0	1.4	Unknown
Golden Eagle Park Dam	5978	7.88	4.0	4.1	01/21/10-21:41
Harquahala FRS	5128	8.19	3.0	0	01/21/10-20:36
Hesperus Dam	5993	2.13	0	0	01/21/10-21:11
Laveen Basin	4578	7.43	21.3	15.2	01/22/10-01:11
Magma FRS	6718	1611.05	475.0	8.5	01/22/10-06:54
McMicken Dam	5448	3.10	1,524.0	7.6	01/22/10-02:51
New River Dam Pool	5614	41.98	12,594.0	28.9	01/24/10-02:16
North Heights Dam	5983	8.60	2.4	1.7	01/21/10-21:03
Pecos Basin Sediment	6537	5.70	11.3	24.6	01/21/10-22:36
Pecos Basin	6538	7.90	6.8	1.9	01/22/10-04:25
Phoenix Basin 2A	4789	4.55	6.9	11.5	01/21/10-20:52
Phoenix Basin 2B	4778	1.70	0.6	1.3	01/21/10-21:35
Phoenix Basin # 3	4828	5.20	1.1	1.7	01/21/10-20:45
Phoenix Dam # 4	4838	5.43	3.1	7.2	01/21/10-20:59
Phoenix Dam # 7	4853	3.99	1.0	0.8	01/21/10-20:57
Phoenix Dam # 99	4843	2.67	0	0	01/21/10-20:47
Powerline FRS	6683	3.10	226.0	5.1	01/22/10-05:13
Reata Pass Dam	4938	3.95	No Data	No Data	01/21/10-23:03
Rittenhouse FRS	6703	11.02	569.0	14.4	01/22/10-15:57
Saddleback FRS	5113	1.20	74.0	1.1	01/21/10-21:27
Signal Butte FRS	6628	6.40	54.0	3.3	01/22/10-06:17
Spookhill FRS	4563	6.16	90.0	3.5	01/22/10-21:05
Stoneridge Dam	5968	2.17	0.2	0.3	01/21/10-21:05
Sunnycove FRS	5248	17.56	32.0	14.8	01/21/10-21:45
Sunridge Canyon Dam	5973	2.21	0	0	01/21/10-21:01
Sunset FRS	5233	9.38	19.0	22.1	01/21/10-20:19
Tat Momolikot Dam	0773	10.61	2,480.0	1.2	01/24/10-06:32
Tatum Basin Outflow	4653	0.25	0.4	1.2	01/21/10-21:16
Vineyard FRS	6688	3.88	399.0	10.9	01/22/10-20:38
Whitlow Ranch Dam	6739	53.00	5,334.0	15.0	Undetermined

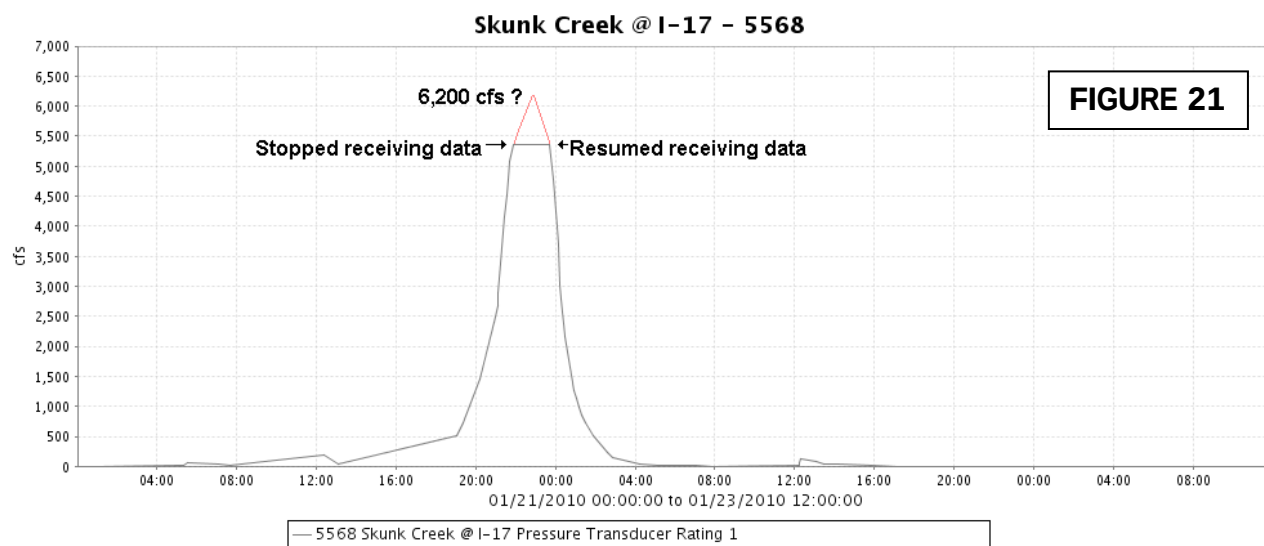
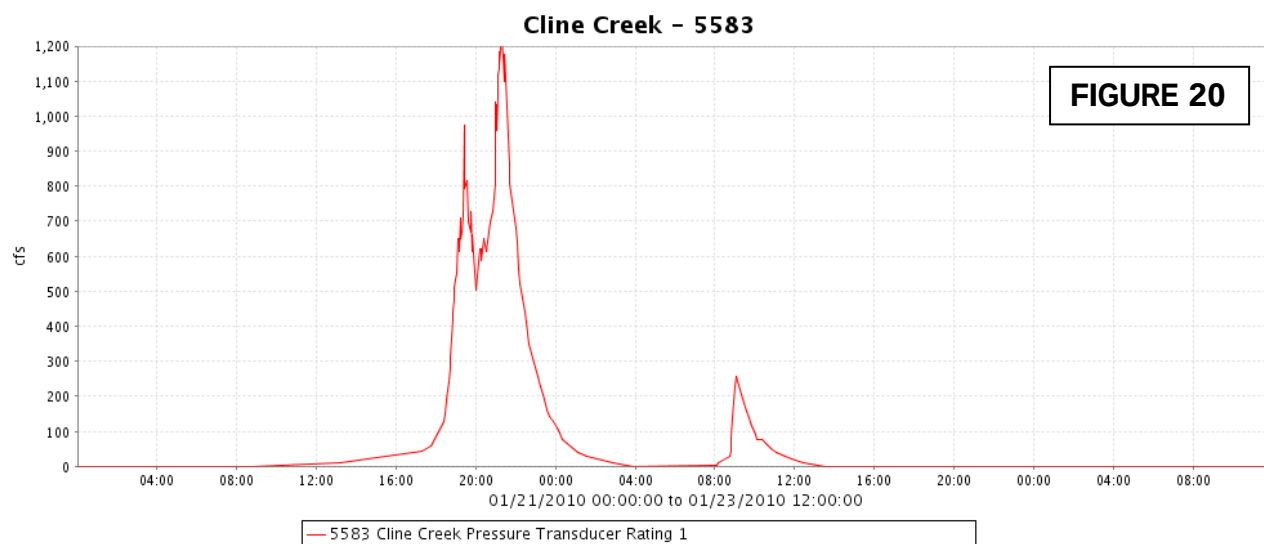
Acronyms and Abbreviations used in Tables X & XI above:

ACDC	Arizona Canal Diversion Channel
CAP	Central AZ Project Canal
EMF	East Maricopa Floodway
FRS	Flood Retarding Structure
Gila	Gila River
Hassy	Hassayampa River
IBW	Indian Bend Wash
LAFB	Luke Air Force Base

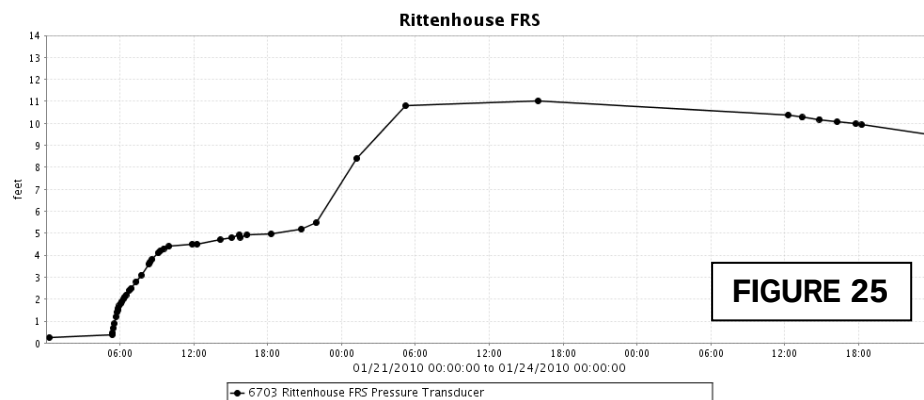
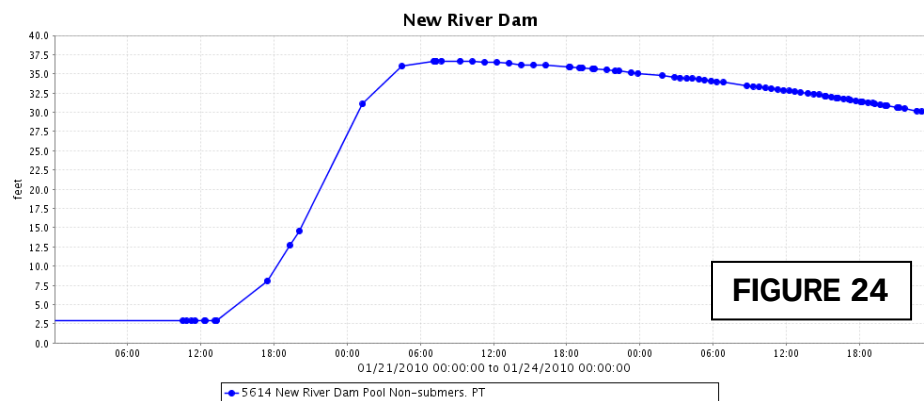
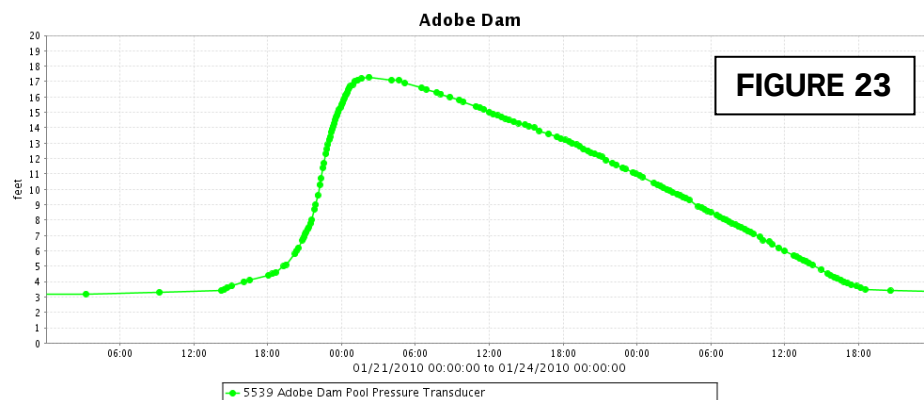
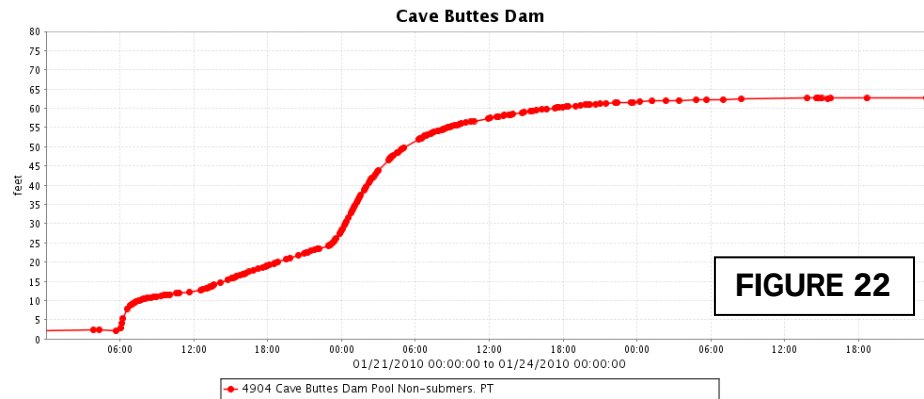
SELECTED STREAMFLOW HYDROGRAPHS







SELECTED IMPOUNDMENT HYDROGRAPHS



FLOOD FORECASTS

Flood forecasts are provided to the Flood Control District through a cooperative agreement with the National Weather Services' Colorado Basin River Forecast Center in Salt Lake City. Flood and impoundment forecasts for 50 points in and around Maricopa County are available 24/7 via a [website](#). Data from several key forecast points were downloaded between 10:00 AM and noon on the 21st in anticipation of the coming runoff. The forecasts were used to systematize the actions of emergency responders, and in general modeled the peak flows and volumes very well – much better than for the winter event of February 2005.

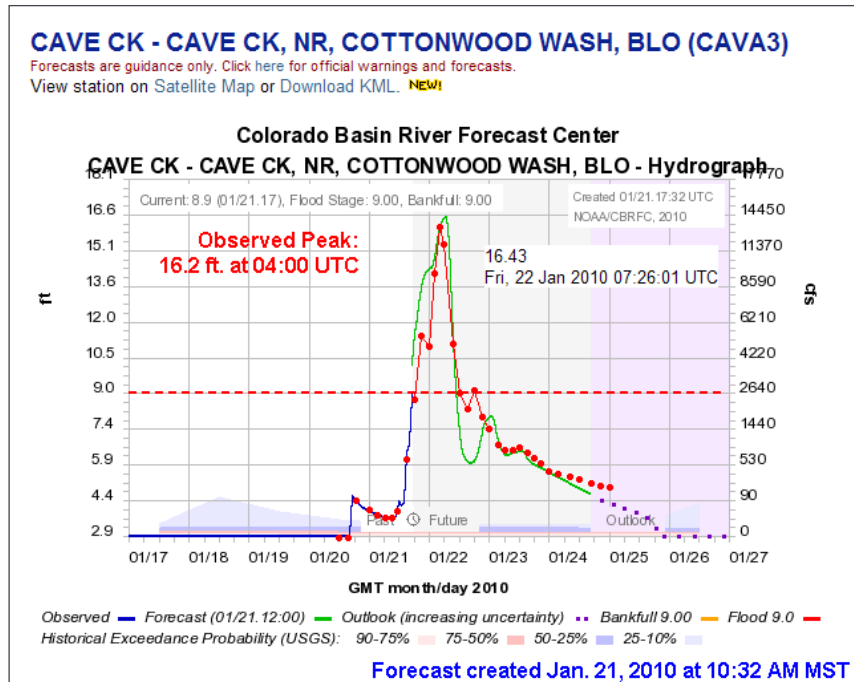
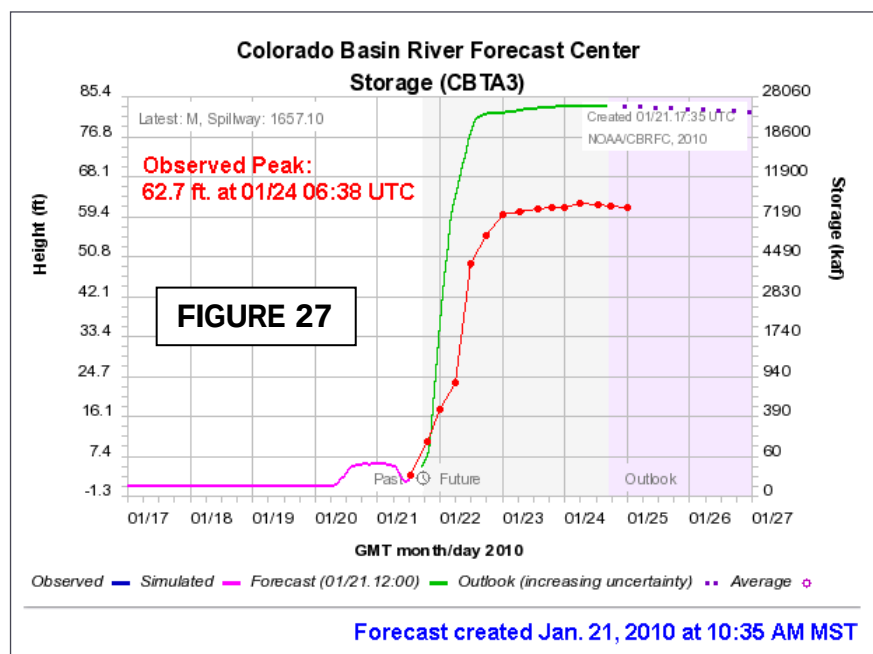
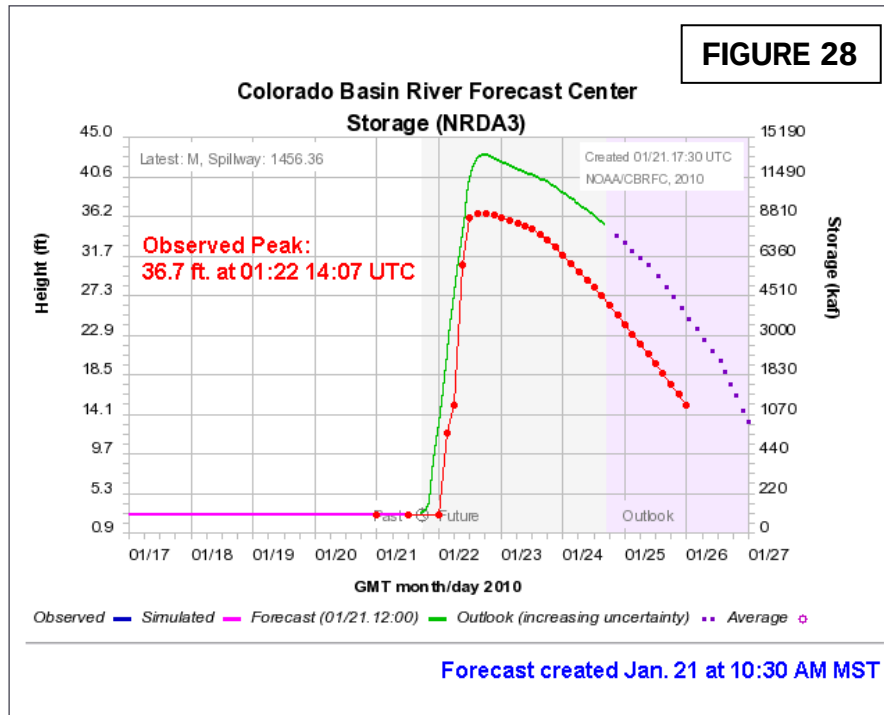


FIGURE 26

The red dots/line show data collected at FCDMC gage # 4923 – Cave Cr. @ Spur Cross. This was an excellent forecast, missing the peak stage by only 0.2 feet and matching the hydrograph shape very well.

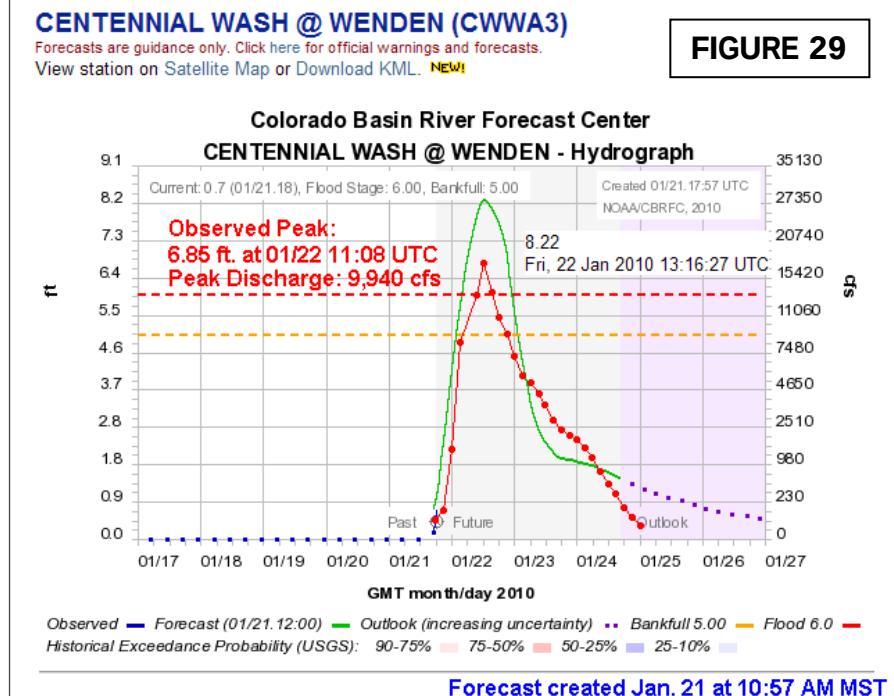
The red dots/line show data collected at FCDMC gage # 4904 – Cave Buttes Dam Pool. The shape of the hydrograph matches well, but is translated in time and peak storage is significantly lower. This would indicate that there are soil / channel losses in the watershed that are not adequately accounted for in the forecast model.





The red dots/ line show data collected at FCDMC gage # 5614 – New River Dam Pool. The shape of the hydrograph matches well, and is slightly translated in time, but the peak storage is significantly lower. This would indicate that there are soil / channel losses in the watershed that are not adequately accounted for in the forecast model. Neither the USGS nor FCDMC gages on New River above the dam provided reliable data during the event.

The red dots/ line show data collected at FCDMC gage # 5093 – Centennial Wash @ Wenden. The general shape is very good, although the peak stage was over-forecast. It also appears that the forecast model is using an incorrect stage/discharge relationship. At 6.85 ft. / 9,940 cfs, the model scale shows a discharge near 18,000 cfs.

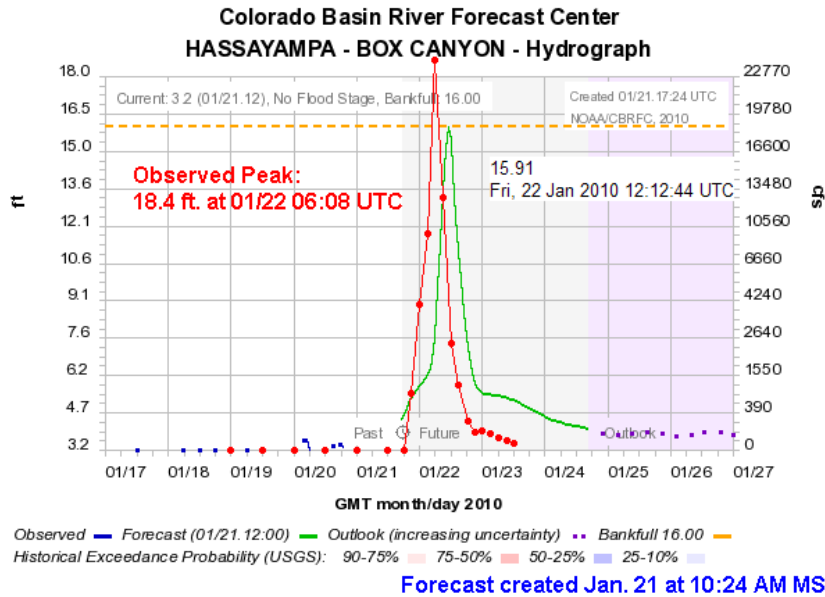


HASSAYAMPA - BOX CANYON (HWGA3)

Forecasts are guidance only. Click here for official warnings and forecasts.

View station on Satellite Map or Download KML. **NEW!**

FIGURE 30



The red dots/ line show data collected at FCDMC gage # 5308 - Hassayampa River @ Box Canyon. The shape of the hydrograph matches well, and is slightly translated in time, but the peak stage is significantly higher. This might indicate that rainfall input estimates for the model were too low.

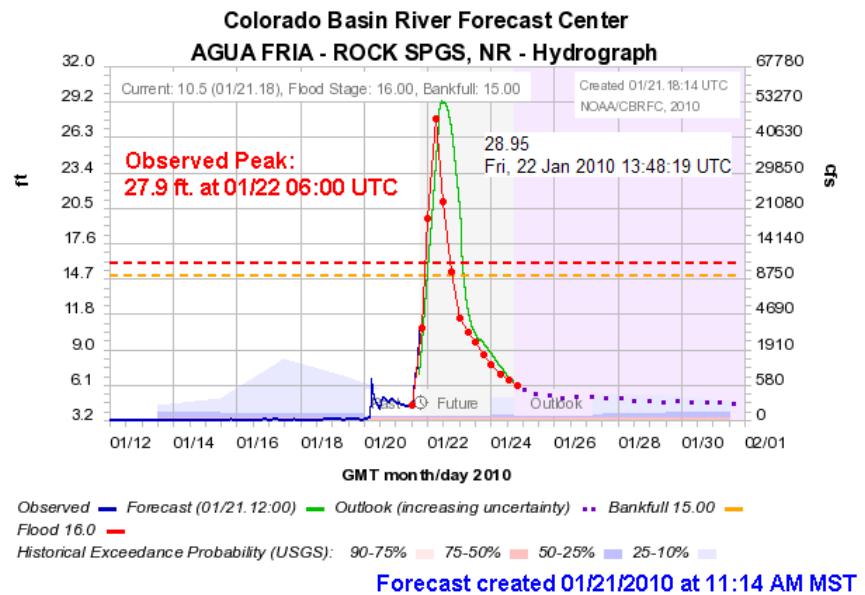
The red dots/ line show preliminary data collected at USGS gage # 0951 2800 -Agua Fria R. near Rock Springs. This was an excellent forecast, missing the peak stage by only a foot and matching the hydrograph shape very well.

AGUA FRIA - ROCK SPGS, NR (AFRA3)

Forecasts are guidance only. Click here for official warnings and forecasts.

View station on Satellite Map or Download KML. **NEW!**

FIGURE 31



FLOOD DAMAGES IN MARICOPA COUNTY

Two ALERT monitoring stations sustained damage on January 21st: Mt. Oatman (5000) repeater was blown over during the heavy wind episode, and the stream gage at Cave Creek (4893) was damaged by heavy runoff in Cave Creek.

Below are estimates of damages, supplied by Maricopa County Department of Emergency Management, for a number of jurisdictions within Maricopa County. These estimated damages are preliminary and may be updated in a revision of this report.

Agency	Reimbursement	Amount (\$)
Avondale, City of	Public Assistance 75/25	39,000
El Mirage, City of	Public Assistance 75/25	32,000
Gilbert, Town of	Public Assistance 75/25	67,000
Goodyear, City of	Public Assistance 75/25	338,000
Salt River Project	Public Assistance 75/25	454,000
Surprise, City of	Public Assistance 75/25	83,000
Tempe, City of	Public Assistance 75/25	52,000
Tolleson, City of	Public Assistance 75/25	20,000
	Total:	\$1,085,000

In addition, damages were reported that are not being claimed under Public Assistance due to in-eligibility or because the jurisdiction will absorb the costs in the amount of **\$2,918,000.00**. These include \$1.8 M by the Flood Control District of Maricopa County, \$358K by MCDOT that will not be reimbursed by FHWA, and \$760K by MCDOT that is eligible for reimbursement by FHWA.

SELECTED DATA SOURCES

1. National Weather Service, Hydrometeorological Design Studies Center, Silver Spring, MD - Precipitation Frequency Data Server for Arizona:
http://dipper.nws.noaa.gov/hdsc/pfds/sa/az_pfds.html
2. National Weather Service, Colorado Basin River Forecast Center, Salt Lake City, UT: <http://www.cbrfc.noaa.gov>
3. National Weather Service, Hydrometeorological Prediction Center, Camp Springs, MD: <http://www.hpc.ncep.noaa.gov>
4. National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, Bethesda, MD: <http://www.nesdis.noaa.gov>
5. Flood Control District of Maricopa County, Phoenix, AZ:
<http://www.fcd.maricopa.gov>
6. Maricopa County Department of Emergency Management, Phoenix, AZ:
http://www.maricopa.gov/emerg_mgt/default.aspx



The "Sentinel of the Desert" inundated by floodwaters behind New River Dam. Photo by Hal Warburton.

APPENDIX A: 6-hour precipitation totals and peak intensities for all ALERT rain gages

FCD of Maricopa County ALERT System
P1: Gages 0750-4505

DeviceID	<u>770</u>	<u>775</u>	<u>780</u>	<u>785</u>	<u>795</u>	<u>4500</u>	<u>4505</u>
StatType	dif	dif	dif	dif	dif	dif	dif
Data Type	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in
01/23/10							
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10							
2400	0.12	0.00	0.12	0.16	0.08	0.08	0.12
1800	0.00	0.04	0.08	0.28	0.35	0.00	0.00
1200	0.12	0.00	0.08	0.00	0.00	0.04	0.04
0600	0.43	0.00	0.12	0.20	0.08	0.04	0.00
01/21/10							
2400	0.79	0.63	0.79	1.02	1.93	0.91	0.79
1800	0.00	0.04	0.04	0.00	0.00	0.28	0.39
1200	0.00	0.00	0.00	0.00	0.00	0.12	0.12
0600	0.00	0.35	0.31	0.00	0.12	0.16	0.28
01/20/10							
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.04	0.00	0.00	0.00
0600	0.00	0.04	0.12	0.00	0.00	0.00	0.00
01/19/10							
2400	0.08	0.79	0.75	0.31	0.79	0.55	0.75
1800	0.00	0.04	0.00	0.00	0.00	0.08	0.08
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.00	0.00	0.00	0.00	0.00
01/18/10							
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.04	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.04	0.04	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	1.69	1.97	2.44	2.05	3.39	2.24	2.56
Peak Intensities:							
6-hour:	0.71	0.83	0.71	1.10	1.93	0.91	0.75
12-hour:	1.06	0.87	0.91	1.10	2.01	1.14	1.06
1-day:	1.10	1.02	1.10	1.38	2.24	1.50	1.57
2-day:	1.34	1.22	1.50	1.65	2.56	1.61	1.73
4-day:	1.61	1.93	2.40	2.01	3.35	2.24	2.56

FCD of Maricopa County ALERT System
P2: Gages 4510-4555

DeviceID	<u>4510</u>	<u>4515</u>	<u>4520</u>	<u>4525</u>	<u>4530</u>	<u>4540</u>	<u>4550</u>	<u>4555</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
0600	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.00
01/22/10								
2400	0.12	0.12	0.16	0.12	0.12	0.12	0.12	0.08
1800	0.00	0.04	0.04	0.00	0.04	0.00	0.04	0.00
1200	0.04	0.08	0.04	0.04	0.12	0.12	0.16	0.16
0600	0.04	0.00	0.04	0.00	0.00	0.28	0.04	0.04
01/21/10								
2400	0.51	0.55	0.71	0.87	0.79	0.43	0.71	0.79
1800	0.08	0.28	0.31	0.16	0.16	0.20	0.16	0.04
1200	0.04	0.20	0.20	0.20	0.08	0.08	0.20	0.08
0600	0.28	0.28	0.43	0.39	0.47	0.47	0.75	0.43
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
0600	0.00	0.00	0.00	0.04	0.00	0.00	0.08	0.00
01/19/10								
2400	0.71	0.71	0.83	0.87	0.91	0.75	0.79	0.35
1800	0.08	0.04	0.16	0.16	0.04	0.04	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	1.89	2.32	2.95	2.87	2.80	2.52	3.11	2.05
Peak Intensities:								
6-hour:	0.71	0.71	0.87	0.79	0.91	0.75	0.75	0.71
12-hour:	0.79	0.87	0.98	1.02	0.94	0.79	0.98	0.83
1-day:	0.91	1.30	1.61	1.57	1.46	1.38	1.73	1.34
2-day:	1.14	1.54	1.89	1.77	1.77	1.69	2.17	1.61
4-day:	1.89	2.28	2.91	2.83	2.76	2.48	3.07	2.01

FCD of Maricopa County ALERT System
P3: Gages 4560-4595

DeviceID	<u>4560</u>	<u>4565</u>	<u>4570</u>	<u>4575</u>	<u>4580</u>	<u>4585</u>	<u>4590</u>	<u>4595</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.04	0.00	0.00	0.00	0.24	0.24
01/22/10								
2400	0.12	0.16	0.16	0.12	0.28	0.04	0.04	0.12
1800	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00
1200	0.24	0.24	0.04	0.00	0.04	0.00	0.24	0.12
0600	0.08	0.08	0.04	0.00	0.12	0.00	0.00	0.04
01/21/10								
2400	0.91	1.02	0.87	1.10	0.87	0.08	0.47	0.51
1800	0.20	0.28	0.24	0.31	0.24	0.04	0.12	0.31
1200	0.12	0.16	0.31	0.16	0.20	0.16	0.28	0.31
0600	0.59	0.75	0.35	0.20	0.43	0.20	0.20	0.24
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1200	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
01/19/10								
2400	0.87	0.87	0.94	0.63	0.91	0.83	0.67	0.71
1800	0.04	0.04	0.12	0.12	0.04	0.00	0.04	0.04
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.04	0.00	0.00	0.04	0.00	0.04	0.04
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.04	0.00	0.00	0.00	0.12	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.04	0.00	0.08	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	3.23	3.70	3.15	2.64	3.19	1.46	2.48	2.72
Peak Intensities:								
6-hour:	0.87	0.94	0.94	1.10	0.91		0.67	0.71
12-hour:	1.06	1.30	1.06	1.38	0.98		0.75	0.87
1-day:	1.77	2.20	1.73	1.77	1.73		1.06	1.42
2-day:	2.24	2.68	2.01	1.89	2.17		1.38	1.65
4-day:	3.15	3.62	3.11	2.64	3.15		2.13	2.44

4585 - this storm total appears to be low, but the gage was visited and no problem was found.

FCD of Maricopa County ALERT System
P4: Gages 4600-4635

DeviceID	<u>4600</u>	<u>4605</u>	<u>4610</u>	<u>4615</u>	<u>4620</u>	<u>4625</u>	<u>4630</u>	<u>4635</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
Data Type	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.08	0.00	0.12	0.12	0.04	0.08
01/22/10								
2400	0.12	0.12	0.16	0.16	0.16	0.08	0.04	0.08
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.20	0.16	0.04	0.04	0.00	0.04	0.28	0.31
0600	0.04	0.00	0.00	0.00	0.08	0.00	0.00	0.00
01/21/10								
2400	0.71	0.71	0.91	0.63	0.59	0.94	0.55	0.55
1800	0.08	0.16	0.28	0.16	0.28	0.28	0.24	0.28
1200	0.24	0.39	0.08	0.08	0.04	0.08	0.59	0.24
0600	0.20	0.00	0.35	0.31	0.31	0.31	0.04	0.24
01/20/10								
2400	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/19/10								
2400	0.91	0.67	0.91	0.75	0.83	0.75	0.75	0.87
1800	0.00	0.12	0.04	0.08	0.08	0.08	0.04	0.08
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.04	0.00	0.04	0.00	0.04	0.00
01/18/10								
2400	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.04	0.00	0.04	0.04	0.04	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.56	2.32	2.95	2.24	2.56	2.72	2.72	2.76

Peak Intensities:

6-hour:	0.91	0.75	0.83	0.91	0.75	0.91
12-hour:	1.14	0.83	0.91	1.18	1.10	0.94
1-day:	1.57	1.18	1.26	1.57	1.57	1.26
2-day:	1.81	1.38	1.46	1.73	1.77	1.65
4-day:	2.80	2.20	2.40	2.56	2.64	2.64

4600 was down from 01/19 12:37 (13) through 01/22 06:39 (70) due to a plugged funnel; storm total was **estimated** from radar and nearby gages.

4605 was down from 01/19 10:36 (10) through 01/20 10:36 (30) due to a plugged funnel; storm total was **estimated** from radar and nearby gages.

FCD of Maricopa County ALERT System
P5: Gages 4640-4675

DeviceID	<u>4640</u>	<u>4645</u>	<u>4650</u>	<u>4655</u>	<u>4660</u>	<u>4665</u>	<u>4670</u>	<u>4675</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
0600	0.08	0.08	0.12	0.08	0.00	0.04	0.04	0.08
01/22/10								
2400	0.04	0.08	0.04	0.04	0.12	0.04	0.00	0.12
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1200	0.08	0.00	0.00	0.00	0.04	0.00	0.08	0.08
0600	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.08
01/21/10								
2400	0.55	0.63	0.47	0.47	0.75	0.47	0.67	0.75
1800	0.24	0.63	0.47	0.47	0.16	0.35	0.47	0.20
1200	0.16	0.28	0.20	0.20	0.00	0.31	0.35	0.20
0600	0.20	0.31	0.31	0.35	0.35	0.20	0.24	0.31
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
01/19/10								
2400	0.83	0.94	0.83	0.75	0.79	0.75	0.98	0.87
1800	0.04	0.08	0.04	0.04	0.00	0.00	0.04	0.08
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.04	0.04	0.00	0.08	0.04	0.04	0.04
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
1800	0.00	0.04	0.04	0.04	0.00	0.04	0.00	0.04
1200	0.04	0.08	0.04	0.04	0.04	0.04	0.08	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.28	3.19	2.60	2.48	2.36	2.32	3.07	2.95
Peak Intensities:								
6-hour:	0.87	1.02	0.83	0.79	0.79	0.63	0.98	0.91
12-hour:	0.87	1.26	0.91	0.83	0.79	0.87	1.14	0.94
1-day:	1.14	1.85	1.46	1.50	1.26	1.38	1.69	1.54
2-day:	1.46	2.17	1.81	1.81	1.42	1.54	2.05	1.77
4-day:	2.17	3.03	2.44	2.36	2.28	2.24	2.95	2.76

FCD of Maricopa County ALERT System
P6: Gages 4680-4720

DeviceID	<u>4680</u>	<u>4685</u>	<u>4690</u>	<u>4695</u>	<u>4700</u>	<u>4710</u>	<u>4715</u>	<u>4720</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.08	0.04	0.04	0.08	0.00	0.00	0.04	0.00
01/22/10								
2400	0.04	0.08	0.08	0.08	0.08	0.08	0.04	0.08
1800	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.08	0.12	0.20	0.00	0.00	0.04	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/21/10								
2400	0.55	0.67	0.55	0.63	0.75	0.67	0.67	0.55
1800	0.47	0.24	0.24	0.16	0.16	0.08	0.16	0.16
1200	0.24	0.16	0.20	0.35	0.08	0.08	0.12	0.08
0600	0.28	0.31	0.24	0.28	0.20	0.24	0.16	0.24
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.04	0.04	0.00	0.00	0.04	0.00
01/19/10								
2400	0.83	0.83	0.75	0.83	0.59	0.55	0.55	0.59
1800	0.08	0.04	0.04	0.04	0.08	0.08	0.04	0.00
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0600	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.04
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.04	0.00	0.04	0.00	0.00	0.00	0.00
1200	0.08	0.04	0.04	0.04	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.72	2.52	2.52	2.76	1.93	1.77	1.89	1.73
Peak Intensities:								
6-hour:	0.87	0.83	0.75	0.83	0.75	0.67	0.67	0.51
12-hour:	1.02	0.87	0.83	0.91	0.91	0.71	0.79	0.63
1-day:	1.54	1.38	1.22	1.34	1.18	1.06	1.06	0.98
2-day:	1.85	1.54	1.54	1.69	1.26	1.14	1.14	1.06
4-day:	2.60	2.40	2.40	2.60	1.93	1.77	1.85	1.73

FCD of Maricopa County ALERT System
P7: Gages 4725-4765

DeviceID	<u>4725</u>	<u>4730</u>	<u>4740</u>	<u>4745</u>	<u>4750</u>	<u>4755</u>	<u>4760</u>	<u>4765</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
01/22/10								
2400	0.20	0.12	0.12	0.16	0.08	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.04	0.00	0.04	0.04	0.04	0.04
0600	0.04	0.00	0.00	0.04	0.00	0.04	0.04	0.00
01/21/10								
2400	0.75	0.67	0.79	0.79	0.71	0.79	0.75	0.87
1800	0.12	0.28	0.28	0.35	0.24	0.24	0.24	0.20
1200	0.08	0.04	0.12	0.20	0.08	0.16	0.16	0.08
0600	0.35	0.31	0.28	0.20	0.24	0.12	0.24	0.20
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
01/19/10								
2400	0.87	0.63	0.71	0.75	0.51	0.59	0.75	0.59
1800	0.00	0.08	0.12	0.04	0.08	0.08	0.04	0.12
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.04
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.04	0.00	0.00	0.04	0.00	0.04	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.48	2.20	2.48	2.56	2.13	2.09	2.28	2.13
Peak Intensities:								
6-hour:	0.71	0.63	0.79	0.75	0.67	0.79	0.75	0.79
12-hour:	0.87	0.91	1.02	1.14	0.91	1.02	0.79	0.98
1-day:	1.26	1.30	1.42	1.54	1.26	1.34	1.38	1.34
2-day:	1.54	1.42	1.61	1.73	1.38	1.38	1.46	1.38
4-day:	2.44	2.13	2.44	2.56	2.05	2.05	2.28	2.13

FCD of Maricopa County ALERT System
P8: Gages 4770-4805

DeviceID	<u>4770</u>	<u>4775</u>	<u>4780</u>	<u>4785</u>	<u>4790</u>	<u>4795</u>	<u>4800</u>	<u>4805</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.04	0.04	0.00	0.08	0.04	0.08	0.08
01/22/10								
2400	0.04	0.00	0.04	0.04	0.08	0.08	0.00	0.16
1800	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.12	0.04	0.00	0.08	0.20	0.16	0.00
0600	0.00	0.20	0.00	0.00	0.00	0.00	0.08	0.12
01/21/10								
2400	0.59	0.55	0.51	0.55	0.59	0.28	0.43	0.47
1800	0.20	0.20	0.12	0.24	0.24	0.31	0.20	0.24
1200	0.28	0.16	0.12	0.35	0.12	0.16	0.16	0.12
0600	0.28	0.35	0.24	0.31	0.31	0.31	0.16	0.28
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/19/10								
2400	0.83	0.75	0.67	0.87	0.71	0.71	0.79	0.67
1800	0.08	0.08	0.08	0.12	0.04	0.08	0.00	0.04
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.00	0.04	0.04	0.00	0.04	0.00	0.04
1200	0.04	0.04	0.00	0.08	0.04	0.08	0.08	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.44	2.52	1.93	2.68	2.28	2.28	2.13	2.20
Peak Intensities:								
6-hour:	0.87	0.75	0.71	0.98	0.75	0.71	0.79	0.67
12-hour:	0.91	0.83	0.75	0.98	0.79	0.71	0.79	0.75
1-day:	1.26	1.22	0.98	1.42	1.22	1.06	0.94	1.10
2-day:	1.61	1.57	1.18	1.89	1.38	1.50	1.30	1.34
4-day:	2.36	2.44	1.85	2.64	2.17	2.13	2.01	2.09

FCD of Maricopa County ALERT System
P9: Gages 4810-4845

DeviceID	<u>4810</u>	<u>4815</u>	<u>4820</u>	<u>4825</u>	<u>4830</u>	<u>4835</u>	<u>4840</u>	<u>4845</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.08	0.04	0.04	0.04	0.00	0.08	0.08
01/22/10								
2400	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04
1800	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
1200	0.12	0.04	0.04	0.04	0.00	0.08	0.00	0.12
0600	0.00	0.00	0.16	0.00	0.04	0.00	0.00	0.12
01/21/10								
2400	0.51	0.47	0.31	0.59	0.35	0.47	0.59	0.47
1800	0.16	0.16	0.20	0.28	0.20	0.16	0.31	0.20
1200	0.12	0.12	0.35	0.20	0.20	0.24	0.28	0.20
0600	0.20	0.24	0.24	0.24	0.20	0.24	0.20	0.16
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.08	0.00	0.00	0.08	0.00	0.00	0.04	0.00
01/19/10								
2400	0.59	0.67	0.87	0.71	0.63	0.67	0.75	0.75
1800	0.04	0.04	0.00	0.00	0.08	0.08	0.08	0.04
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.04	0.04	0.04	0.04	0.00	0.00	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
1800	0.04	0.00	0.04	0.00	0.00	0.08	0.00	0.04
1200	0.00	0.08	0.04	0.04	0.04	0.04	0.04	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	1.97	1.97	2.32	2.28	1.81	2.05	2.40	2.24
Peak Intensities:								
6-hour:	0.59	0.71	0.79	0.59	0.71	0.71	0.75	0.75
12-hour:	0.71	0.71	0.87	0.87	0.71	0.75	0.87	0.79
1-day:	0.98	0.98	1.10	1.26	0.94	1.10	1.38	1.02
2-day:	1.22	1.22	1.61	1.46	1.26	1.34	1.57	1.30
4-day:	1.93	1.81	2.24	2.20	1.77	1.93	2.32	2.13

FCD of Maricopa County ALERT System
P10: Gages 4850-4900

DeviceID	<u>4850</u>	<u>4855</u>	<u>4860</u>	<u>4875</u>	<u>4885</u>	<u>4890</u>	<u>4895</u>	<u>4900</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.08	0.04	0.04	0.04	0.12	0.28	0.08	0.00
01/22/10								
2400	0.04	0.00	0.04	0.08	0.04	0.08	0.08	0.00
1800	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.04	0.16	0.12	0.12	0.51	0.12
0600	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
01/21/10								
2400	0.47	0.63	0.79	1.42	1.69	1.26	1.38	0.55
1800	0.35	0.24	0.59	0.47	0.83	0.63	0.94	0.43
1200	0.08	0.35	0.31	0.24	0.47	0.43	0.47	0.35
0600	0.20	0.12	0.31	0.39	0.79	0.51	0.71	0.31
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.04	0.00	0.00	0.20	0.00	0.00
01/19/10								
2400	0.79	0.63	0.83	0.43	0.75	0.94	0.83	1.06
1800	0.04	0.04	0.08	0.16	0.12	0.24	0.12	0.24
1200	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.04	0.04	0.04	0.12	0.04	0.04
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.04	0.04	0.04	0.08	0.08	0.08	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.17	2.17	3.19	3.46	5.04	4.92	5.24	3.15
Peak Intensities:								
6-hour:	0.75	0.63	0.83	1.57	1.89	1.26	1.65	1.06
12-hour:	0.79	0.87	1.38	1.93	2.60	1.89	2.40	1.26
1-day:	1.10	1.30	1.97	2.48	3.74	2.87	3.46	1.65
2-day:	1.42	1.46	2.09	2.72	3.98	3.07	4.06	2.24
4-day:	2.01	2.09	3.11	3.35	4.84	4.57	5.04	3.11

FCD of Maricopa County ALERT System
P11: Gages 4910-4960

DeviceID	<u>4910</u>	<u>4915</u>	<u>4920</u>	<u>4930</u>	<u>4935</u>	<u>4940</u>	<u>4950</u>	<u>4960</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.24	0.20	0.04
1200	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00
0600	0.04	0.04	0.20	0.00	0.12	0.00	0.00	0.16
01/22/10								
2400	0.04	0.00	0.08	0.00	0.04	0.00	0.12	0.24
1800	0.00	0.00	0.04	0.00	0.04	0.08	0.08	0.08
1200	0.12	0.04	0.43	0.08	0.08	0.24	0.43	0.39
0600	0.00	0.00	0.00	0.00	0.08	0.12	0.31	0.31
01/21/10								
2400	0.83	1.14	1.69	0.04	0.79	0.87	2.09	1.81
1800	0.55	0.79	0.94	0.24	0.51	0.79	1.26	1.18
1200	0.47	0.51	0.63	0.28	0.35	0.67	0.91	1.30
0600	0.35	0.47	0.83	0.31	0.20	0.47	0.79	0.91
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.20	0.00	0.08	0.00	0.08	0.24	0.00	0.39
01/19/10								
2400	1.46	1.38	0.98	0.71	0.94	0.63	1.02	1.26
1800	0.12	0.35	0.16	0.00	0.04	0.08	0.08	0.16
1200	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
0600	0.08	0.04	0.04	0.00	0.04	0.12	0.31	0.28
01/18/10								
2400	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.00
1800	0.04	0.00	0.00	0.00	0.08	0.04	0.00	0.00
1200	0.04	0.04	0.04	0.08	0.04	0.04	0.08	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	4.33	4.80	6.22	1.73	3.43	4.65	7.76	8.54
Peak Intensities:								
6-hour:	1.57	1.42	1.81		0.94	0.87	2.09	1.81
12-hour:	1.73	2.01	2.72		1.34	1.61	3.27	3.03
1-day:	2.17	2.87	4.06		1.89	2.83	5.08	5.35
2-day:	3.07	3.62	4.61		2.09	3.23	5.98	6.18
4-day:	4.21	4.72	5.94		3.19	4.33	7.40	8.23

4930 - this storm total appears to be low, but the gage was visited and no problem was found.

FCD of Maricopa County ALERT System
P12: Gages 4970-5060

DeviceID	<u>4970</u>	<u>5000</u>	<u>5010</u>	<u>5030</u>	<u>5040</u>	<u>5050</u>	<u>5055</u>	<u>5060</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10								
2400	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.28	0.00	0.00	0.00	0.04	0.00	0.00	0.00
01/21/10								
2400	1.93	0.63	1.14	0.59	1.18	0.94	0.39	0.98
1800	1.18	0.47	0.63	0.79	1.02	0.59	1.54	0.39
1200	1.46	0.35	0.31	0.31	0.51	0.47	1.61	0.35
0600	0.91	0.35	0.28	0.35	0.35	0.24	0.87	0.79
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/19/10								
2400	0.91	0.47	0.43	0.39	0.75	0.47	0.87	1.06
1800	0.08	0.43	0.31	0.28	0.12	0.28	0.43	0.39
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.16	0.04	0.00	0.00	0.04	0.00	0.16	0.00
01/18/10								
2400	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1200	0.04	0.00	0.00	0.00	0.00	0.04	0.04	0.00
0600	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00
TOTALS:	7.87	2.80	3.15	2.72	4.02	3.07	5.98	4.02
Peak Intensities:								
6-hour:	2.01		1.50	1.06	1.69	1.18	1.54	1.46
12-hour:	3.43		1.97	1.54	2.48	1.65	2.95	1.54
1-day:	5.51		2.36	2.05	3.07	2.24	4.49	2.52
2-day:	6.54		2.52	2.17	3.39	2.44	5.00	2.87
4-day:	7.68		3.15	2.72	4.02	3.07	5.98	4.02

5000 was down from 01/21 02:01 (30) through 01/27 15:20 (76) due to wind blowing over the tube; storm total was **estimated** from radar and nearby gages.

FCD of Maricopa County ALERT System
P13: Gages 5065-5100

DeviceID	<u>5065</u>	<u>5070</u>	<u>5075</u>	<u>5080</u>	<u>5085</u>	<u>5090</u>	<u>5095</u>	<u>5100</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10								
2400	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00
1200	0.04	0.00	0.00	0.08	0.00	0.04	0.00	0.00
0600	0.00	0.00	0.12	0.00	0.04	0.00	0.00	0.00
01/21/10								
2400	0.08	0.87	0.83	0.16	0.59	0.83	1.18	1.14
1800	0.67	0.31	0.55	0.59	1.02	1.30	0.67	0.28
1200	0.71	0.24	0.35	0.35	0.63	0.67	0.47	0.35
0600	0.87	1.02	0.47	1.18	1.50	0.67	0.67	0.24
01/20/10								
2400	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.12
01/19/10								
2400	0.51	0.55	0.71	0.43	0.51	0.12	0.91	0.59
1800	0.24	0.39	0.28	0.08	0.16	0.24	0.28	0.16
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.04	0.04	0.00	0.00	0.00	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.12	0.04	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1200	0.04	0.00	0.00	0.00	0.04	0.04	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	3.19	3.50	3.35	3.03	4.53	4.06	4.21	2.91
Peak Intensities:								
6-hour:	0.98	1.06	1.02	1.18	1.69	1.97	1.50	1.10
12-hour:	1.57	1.38	1.54	1.61	2.44	2.72	2.05	1.42
1-day:	2.32	2.44	2.17	2.32	3.78	3.46	2.99	2.01
2-day:	2.76	2.72	2.48	2.56	4.02	3.54	3.23	2.17
4-day:	3.15	3.50	3.35	3.03	4.49	4.02	4.21	2.91

FCD of Maricopa County ALERT System
P14: Gages 5105-5140

DeviceID	<u>5105</u>	<u>5110</u>	<u>5115</u>	<u>5120</u>	<u>5125</u>	<u>5130</u>	<u>5135</u>	<u>5140</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10								
2400	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.08	0.00	0.08	0.00	0.00
0600	0.00	0.04	0.00	0.00	0.00	0.00	0.08	0.00
01/21/10								
2400	0.83	0.12	0.79	0.12	0.39	0.04	0.55	0.16
1800	1.02	0.91	0.91	0.94	0.63	0.87	0.55	0.55
1200	0.39	0.20	0.39	0.94	0.35	0.94	0.39	0.47
0600	1.10	0.91	1.18	1.02	1.14	0.75	1.14	0.87
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.00
01/19/10								
2400	0.51	0.39	0.67	0.55	0.47	0.55	0.67	0.31
1800	0.28	0.24	0.31	0.28	0.12	0.20	0.28	0.24
1200	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.04	0.00	0.00	0.04	0.00	0.04
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	4.17	2.83	4.29	4.06	3.19	3.66	3.70	2.68
Peak Intensities:								
6-hour:	1.46	0.94	1.34	1.42	1.26	0.98	1.22	0.83
12-hour:	1.93	1.38	1.85	2.13	1.65	1.73	1.61	1.34
1-day:	3.31	2.13	3.23	3.03	2.44	2.64	2.72	2.05
2-day:	3.62	2.40	3.50	3.50	2.80	3.11	3.03	2.28
4-day:	4.17	2.83	4.29	4.06	3.15	3.58	3.70	2.68

FCD of Maricopa County ALERT System
P15: Gages 5145-5180

DeviceID	<u>5145</u>	<u>5150</u>	<u>5155</u>	<u>5160</u>	<u>5165</u>	<u>5170</u>	<u>5175</u>	<u>5180</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10								
2400	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.00
1800	0.00	0.08	0.12	0.04	0.00	0.08	0.04	0.04
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00
01/21/10								
2400	0.24	0.43	0.75	0.08	0.24	0.59	0.35	0.31
1800	0.94	1.22	1.77	0.51	1.42	2.60	0.98	0.51
1200	1.06	0.63	0.87	0.75	1.02	0.71	0.83	0.63
0600	0.75	0.71	0.59	0.98	0.71	0.55	0.63	0.83
01/20/10								
2400	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/19/10								
2400	0.47	0.08	0.35	0.35	0.87	0.24	0.31	0.59
1800	0.24	0.24	0.24	0.24	0.35	0.28	0.20	0.20
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.04	0.08	0.12	0.04	0.08	0.12
01/18/10								
2400	0.04	0.08	0.04	0.00	0.04	0.04	0.00	0.04
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.12	0.04	0.04	0.08	0.16	0.08	0.08	0.08
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	3.90	3.50	4.84	3.11	5.04	5.28	3.54	3.35
Peak Intensities:								
6-hour:	1.06	1.50	2.01	0.98	1.38	2.91	1.02	0.83
12-hour:	2.01	2.17	2.99	1.65	2.44	3.78	1.97	1.34
1-day:	2.99	2.99	4.02	2.32	3.43	4.49	2.80	2.05
2-day:	3.35	3.07	4.13	2.64	4.06	4.61	2.87	2.28
4-day:	3.90	3.46	4.80	3.07	5.00	5.16	3.46	2.68

FCD of Maricopa County ALERT System
P16: Gages 5185-5220

DeviceID	<u>5185</u>	<u>5190</u>	<u>5195</u>	<u>5200</u>	<u>5205</u>	<u>5210</u>	<u>5215</u>	<u>5220</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
01/22/10								
2400	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
1800	0.08	0.00	0.00	0.00	0.00	0.00	0.08	0.00
1200	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00
01/21/10								
2400	0.75	0.35	0.35	0.79	0.67	1.02	0.67	0.43
1800	3.07	0.75	1.30	0.43	0.59	0.43	0.83	0.83
1200	1.26	0.51	0.98	0.24	0.35	0.12	0.98	0.67
0600	0.79	0.43	0.94	0.63	0.51	0.71	1.38	0.98
01/20/10								
2400	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
01/19/10								
2400	0.55	0.16	0.67	0.79	0.79	0.75	0.79	0.83
1800	0.47	0.24	0.24	0.35	0.20	0.16	0.20	0.20
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.12	0.04	0.16	0.04	0.04	0.00	0.12	0.12
01/18/10								
2400	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.00
1200	0.12	0.04	0.08	0.00	0.00	0.00	0.08	0.12
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	7.48	2.68	4.80	3.27	3.19	3.23	5.16	4.37
Peak Intensities:								
6-hour:	3.39		1.26	1.02	0.91	1.06	1.61	1.10
12-hour:	4.88		2.24	1.22	1.26	1.34	2.60	1.81
1-day:	5.87		3.66	2.09	2.13	2.28	3.90	2.87
2-day:	5.98		4.06	2.44	2.40	2.56	4.17	3.39
4-day:	7.17		4.80	3.27	3.15	3.23	5.08	4.25

5190 - this storm total appears to be low (likely due to high wind exposure), but the gage was visited and no problem was found.

FCD of Maricopa County ALERT System
P17: Gages 5225-5270

DeviceID	<u>5225</u>	<u>5230</u>	<u>5240</u>	<u>5245</u>	<u>5250</u>	<u>5260</u>	<u>5265</u>	<u>5270</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
01/22/10								
2400	0.00	0.00	0.08	0.00	_____	0.00	0.08	0.00
1800	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
1200	0.00	0.04	0.00	0.00	_____	0.00	0.00	0.00
0600	0.08	0.04	0.00	0.00	_____	0.00	0.00	0.00
01/21/10								
2400	0.67	0.39	0.67	0.39	_____	0.55	0.63	0.87
1800	1.54	1.18	1.14	1.10	_____	1.34	0.98	1.42
1200	1.14	0.91	0.83	0.98	_____	1.02	0.87	0.75
0600	0.91	0.79	1.18	0.98	_____	0.79	1.26	0.91
01/20/10								
2400	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.04
1800	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
0600	0.04	0.00	0.00	0.00	_____	0.00	0.00	0.00
01/19/10								
2400	1.10	0.87	0.98	0.87	_____	1.10	1.10	0.91
1800	0.39	0.24	0.16	0.28	_____	0.00	0.31	0.16
1200	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
0600	0.20	0.12	0.08	0.12	_____	0.12	0.08	0.16
01/18/10								
2400	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
1200	0.12	0.12	0.00	0.08	_____	0.16	0.08	0.12
0600	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
TOTALS:	6.18	4.69	5.12	4.80	0.00	5.08	5.39	5.31
Peak Intensities:								
6-hour:	1.57	1.18	1.34			1.42	1.54	1.65
12-hour:	2.83	2.09	2.32			2.40	2.40	2.68
1-day:	4.17	3.27	3.82			3.66	3.74	3.98
2-day:	4.84	3.66	4.25			4.02	4.41	4.49
4-day:	6.18	4.61	5.08			5.08	5.31	5.31

5245 was down from 01/20 23:06 (76) through 01/24 17:06 (164) due to a plugged funnel; rainfall **estimated** from radar and nearby gages.

5250 - station was out of service during this period.

FCD of Maricopa County ALERT System
P18: Gages 5275-5340

DeviceID	<u>5275</u>	<u>5280</u>	<u>5290</u>	<u>5300</u>	<u>5305</u>	<u>5320</u>	<u>5335</u>	<u>5340</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
Data Type	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10								
2400	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
1800	0.20	0.00	0.24	0.00	0.04	0.08	0.08	0.00
1200	0.08	0.00	0.20	0.00	0.00	0.00	0.08	0.04
0600	0.00	0.00	0.04	0.00	0.00	0.16	0.00	0.00
01/21/10								
2400	0.28	0.83	0.12	0.83	0.47	0.75	0.71	1.85
1800	0.75	0.31	0.31	0.55	0.87	1.26	0.98	5.00
1200	0.67	0.28	1.02	0.43	0.75	1.02	1.50	1.54
0600	0.71	0.67	0.75	0.75	0.51	0.67	0.55	0.00
01/20/10								
2400	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/19/10								
2400	0.35	0.98	0.63	0.83	0.67	0.75	0.67	0.00
1800	0.24	0.47	0.04	0.35	0.12	0.12	0.20	0.08
1200	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00
0600	0.08	0.04	0.24	0.00	0.12	0.20	0.24	0.00
01/18/10								
2400	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.00
1200	0.08	0.00	0.04	0.04	0.08	0.08	0.08	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	3.46	3.58	3.86	3.78	3.70	5.20	5.16	8.70
Peak Intensities:								
6-hour:	0.83	1.30	1.06	1.10	0.91	1.46	1.73	
12-hour:	1.54	1.46	1.81	1.42	1.61	2.56	2.80	
1-day:	2.40	2.09	2.24	2.56	2.60	3.70	3.70	
2-day:	2.68	2.68	2.76	2.87	2.80	4.02	3.90	
4-day:	3.39	3.58	3.62	3.78	3.66	5.08	5.04	

5340 – this gage was likely storing snow when hit by the rains of the 21st, therefore the recorded rainfall intensity values are unrealistic.

FCD of Maricopa County ALERT System
P19: Gages 5350-5425

DeviceID	<u>5350</u>	<u>5365</u>	<u>5380</u>	<u>5400</u>	<u>5405</u>	<u>5410</u>	<u>5415</u>	<u>5425</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	_____	0.00	0.00	0.00
1800	0.00	0.00	0.04	0.00	_____	0.00	0.00	0.00
1200	0.04	0.04	0.00	0.00	_____	0.00	0.00	0.00
0600	0.04	0.00	0.00	0.00	_____	0.04	0.00	0.00
01/22/10								
2400	0.12	0.00	0.00	0.00	0.00	0.00	0.04	0.04
1800	0.12	0.24	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.12	0.20	0.04	0.20	0.00	0.00	0.04	0.00
01/21/10								
2400	0.91	0.79	0.98	0.75	0.75	0.71	0.94	1.30
1800	1.69	1.06	2.95	0.24	0.28	0.35	0.63	1.18
1200	0.83	0.83	0.31	0.31	0.24	0.47	0.39	0.87
0600	0.79	0.20	0.00	0.28	0.59	0.83	0.79	0.98
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04
0600	0.08	0.00	0.04	0.00	0.00	0.00	0.24	0.00
01/19/10								
2400	0.47	0.59	0.00	0.63	0.91	1.10	1.02	0.91
1800	0.08	0.00	0.08	0.12	0.24	0.39	0.08	0.31
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0600	0.24	0.20	0.00	0.04	0.04	0.04	0.04	0.04
01/18/10								
2400	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.04
1200	0.00	0.08	0.00	0.00	0.00	0.08	0.04	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	5.79	4.33	4.72	2.56	3.07	4.06	4.29	5.75
Peak Intensities:								
6-hour:	1.85	1.46		0.67		1.22	1.14	1.73
12-hour:	3.03	2.32		0.94		1.50	1.57	2.68
1-day:	4.17	2.99		1.54		2.36	2.72	4.29
2-day:	4.72	3.31		1.77		2.99	3.31	4.61
4-day:	5.55	4.17		2.56		4.02	4.25	5.71

5380 – some, but not all precipitation fell as snow and melted after 01/23.

5405 was down from 01/20 12:47 (51) through 01/27 10:14 (98) due to transmitter (and memory) failure; rainfall **estimated** from radar and nearby gages.

FCD of Maricopa County ALERT System
P20: Gages 5430-5465

DeviceID	<u>5430</u>	<u>5435</u>	<u>5440</u>	<u>5445</u>	<u>5450</u>	<u>5455</u>	<u>5460</u>	<u>5465</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
Data Type	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0600	0.04	0.00	0.00	0.00	0.04	0.04	0.04	0.00
01/22/10								
2400	0.08	0.00	0.00	0.00	0.16	0.16	0.16	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00
01/21/10								
2400	0.83	1.02	0.00	1.06	0.67	0.59	0.63	1.18
1800	0.00	1.18	0.00	1.30	0.55	0.47	0.51	1.22
1200	0.16	0.55	0.00	0.59	0.43	0.47	0.55	0.59
0600	0.39	0.63	0.00	0.79	0.75	0.83	0.79	0.75
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
0600	0.04	0.00	1.14	0.00	0.00	0.00	0.04	0.00
01/19/10								
2400	0.83	0.63	0.83	0.67	0.75	0.79	0.79	0.75
1800	0.24	0.20	0.24	0.24	0.16	0.24	0.16	0.08
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.04	0.00	0.00	0.04	0.04	0.00	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.04	0.00	0.00	0.04	0.08	0.08	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.80	4.29	2.20	4.69	3.58	3.70	3.82	4.61
Peak Intensities:								
6-hour:		1.69		1.81	0.91	0.98	0.98	1.69
12-hour:		2.36		2.52	1.34	1.38	1.38	2.52
1-day:		3.31		3.74	2.40	2.36	2.48	3.74
2-day:		3.58		3.98	2.80	2.68	2.87	3.78
4-day:		4.29		4.69	3.50	3.58	3.66	4.61

5430 - this storm total appears to be low (likely due to high wind exposure), but the gage was visited and no problem was found.

5440 was down from 01/19 23:54 (29) through 01/28 08:52 due to a plugged funnel; this gage has two prior estimates this year; no estimate was made and the record will be considered ineffectual for this year.

FCD of Maricopa County ALERT System
P21: Gages 5470-5505

DeviceID	<u>5470</u>	<u>5475</u>	<u>5480</u>	<u>5485</u>	<u>5490</u>	<u>5495</u>	<u>5500</u>	<u>5505</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.04	0.00	0.04	0.00	0.04	0.00	0.00
01/22/10								
2400	0.04	0.16	0.00	0.04	0.08	0.04	0.00	0.00
1800	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.04	0.00	0.04	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
01/21/10								
2400	0.79	1.02	0.63	1.02	0.75	0.71	0.98	0.63
1800	0.79	0.51	0.87	1.57	1.06	0.94	0.51	0.31
1200	0.47	0.83	0.47	1.26	0.94	0.87	0.47	0.39
0600	0.75	0.87	0.79	0.91	0.91	1.06	0.63	0.55
01/20/10								
2400	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.08	0.00	0.08	0.04	0.00	0.00
01/19/10								
2400	0.43	1.14	0.71	0.98	0.83	0.98	1.18	0.83
1800	0.28	0.16	0.20	0.16	0.20	0.24	0.28	0.28
1200	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
0600	0.00	0.08	0.08	0.24	0.12	0.04	0.04	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08
1200	0.08	0.08	0.04	0.12	0.12	0.08	0.04	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	3.70	5.00	3.86	6.38	5.20	5.12	4.17	3.11
Peak Intensities:								
6-hour:	1.10	1.26	1.18	1.89	1.30	1.34	1.30	0.91
12-hour:	1.61	1.89	1.73	3.27	2.28	2.17	1.50	1.10
1-day:	2.80	3.23	2.76	4.76	3.66	3.54	2.60	1.89
2-day:	2.87	3.82	3.19	5.20	4.21	4.17	3.19	2.20
4-day:	3.58	4.88	3.86	6.26	5.08	5.04	4.21	3.11

FCD of Maricopa County ALERT System
P22: Gages 5510-5555

DeviceID	<u>5510</u>	<u>5515</u>	<u>5520</u>	<u>5525</u>	<u>5535</u>	<u>5545</u>	<u>5550</u>	<u>5555</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1200	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00
0600	0.00	0.00	0.04	0.08	0.00	0.08	0.04	0.08
01/22/10								
2400	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.43
1800	0.00	0.00	0.00	0.00	0.04	0.16	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.20
0600	0.00	0.00	0.08	0.00	0.00	0.12	0.04	0.08
01/21/10								
2400	1.10	1.26	0.91	0.63	1.02	1.30	0.71	1.73
1800	0.55	0.87	0.51	0.28	0.47	0.79	0.51	1.57
1200	0.39	0.39	0.59	0.43	0.43	0.55	0.39	1.10
0600	0.71	0.79	0.47	0.55	0.51	0.83	0.24	1.06
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.04	0.00	0.04	0.00	0.00	0.12	0.00
01/19/10								
2400	0.87	0.75	0.98	0.75	0.91	0.98	0.94	1.06
1800	0.24	0.20	0.24	0.28	0.28	0.20	0.24	0.35
1200	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.04
0600	0.04	0.08	0.04	0.00	0.04	0.04	0.00	0.20
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.04
1200	0.08	0.04	0.08	0.08	0.04	0.08	0.04	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	4.02	4.41	3.94	3.23	3.78	5.31	3.31	8.03
Peak Intensities:								
6-hour:	1.30	1.73	1.02	0.83	1.10	1.61	1.10	2.28
12-hour:	1.73	2.24	1.57	1.06	1.65	2.28	1.30	3.70
1-day:	2.72	3.31	2.44	1.89	2.40	3.43	1.89	5.43
2-day:	3.19	3.70	2.91	2.20	2.83	3.90	2.32	6.14
4-day:	4.02	4.41	3.86	3.11	3.70	5.16	3.27	7.83

FCD of Maricopa County ALERT System
P23: Gages 5565-5635

DeviceID	<u>5565</u>	<u>5580</u>	<u>5585</u>	<u>5595</u>	<u>5610</u>	<u>5625</u>	<u>5630</u>	<u>5635</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
0600	0.00	0.08	0.16	0.04	0.00	0.12	0.04	0.08
01/22/10								
2400	0.00	0.12	0.31	0.00	0.04	0.16	0.08	0.24
1800	0.00	0.12	0.04	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.43	0.31	0.00	0.04	0.35	0.28	0.16
0600	0.04	0.08	0.00	0.00	0.08	0.00	0.04	0.08
01/21/10								
2400	0.75	1.42	1.57	0.75	0.71	1.22	1.10	2.20
1800	0.39	1.10	1.18	0.35	0.67	1.18	0.91	1.38
1200	0.28	0.59	0.83	0.35	0.51	0.59	0.43	1.30
0600	0.63	0.87	0.87	0.67	0.59	0.87	0.79	0.83
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.04	0.08	0.04	0.00	0.04	0.00	0.00
01/19/10								
2400	0.83	0.79	0.75	0.87	0.87	0.75	0.75	0.98
1800	0.24	0.20	0.20	0.31	0.08	0.20	0.16	0.31
1200	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
0600	0.04	0.04	0.12	0.04	0.00	0.08	0.04	0.20
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1200	0.00	0.08	0.08	0.12	0.00	0.08	0.08	0.08
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	3.31	5.98	6.57	3.58	3.66	5.67	4.69	7.83
Peak Intensities:								
6-hour:	1.02	1.77	2.01	0.98	0.91	1.73	1.46	2.52
12-hour:	1.18	2.68	3.07	1.22	1.46	2.56	2.13	3.86
1-day:	2.09	3.94	4.45	2.01	2.56	3.82	3.23	5.67
2-day:	2.44	4.69	5.12	2.56	2.64	4.33	3.62	6.14
4-day:	3.31	5.79	6.26	3.54	3.62	5.39	4.57	7.68

FCD of Maricopa County ALERT System
P24: Gages 5640-5730

DeviceID	<u>5640</u>	<u>5650</u>	<u>5660</u>	<u>5670</u>	<u>5685</u>	<u>5700</u>	<u>5715</u>	<u>5730</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1800	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.16	0.04	0.04	0.04	0.00	0.00	0.00
01/22/10								
2400	0.12	0.04	0.28	0.04	0.08	0.00	0.00	0.08
1800	0.28	0.00	0.00	0.04	0.08	0.00	0.00	0.08
1200	0.39	0.20	0.04	0.00	0.00	0.00	0.00	0.24
0600	0.43	0.00	0.00	0.24	0.04	0.00	0.00	0.47
01/21/10								
2400	2.28	1.14	0.75	1.14	1.26	1.02	0.83	1.61
1800	1.77	1.10	0.91	1.22	1.89	2.20	1.69	3.15
1200	2.20	0.75	0.98	1.50	1.46	1.73	0.63	1.77
0600	0.98	1.02	0.98	0.79	0.91	0.08	0.00	0.75
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.04	0.12	0.00	0.04
0600	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
01/19/10								
2400	1.46	1.02	1.18	1.26	1.02	0.63	0.31	1.06
1800	0.20	0.24	0.24	0.08	0.35	0.04	0.00	0.16
1200	0.00	0.00	0.00	0.08	0.00	0.12	0.00	0.00
0600	0.31	0.04	0.08	0.08	0.12	0.00	0.00	0.20
01/18/10								
2400	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1800	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.04
1200	0.04	0.08	0.08	0.08	0.08	0.04	0.04	0.08
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	10.75	5.79	5.55	6.65	7.40	6.02	3.54	9.76
Peak Intensities:								
6-hour:	2.40	1.65	1.38	1.81	2.20			3.43
12-hour:	4.45	2.48	2.20	3.11	3.82			5.71
1-day:	7.32	3.98	3.62	4.72	5.47			7.48
2-day:	8.43	4.45	4.09	5.47	5.83			8.15
4-day:	10.43	5.59	5.39	6.54	7.24			9.57

5700 - some, but not all precipitation fell as snow and melted after 01/23.

5715 - this storm total appears to be low, but the gage was visited and no problem was found.

FCD of Maricopa County ALERT System
P25: Gages 5745-5900

DeviceID	<u>5745</u>	<u>5760</u>	<u>5775</u>	<u>5790</u>	<u>5805</u>	<u>5820</u>	<u>5890</u>	<u>5900</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
1800	0.00	0.00	0.00	0.08	0.20	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.08	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.04	0.00	0.00	0.00	0.12	0.16
01/22/10								
2400	0.12	0.00	0.12	0.04	0.00	0.00	0.20	0.12
1800	0.00	0.00	0.16	0.04	0.04	0.20	0.04	0.00
1200	0.08	0.24	0.12	0.20	0.20	0.08	0.12	0.24
0600	0.43	0.20	0.00	0.20	0.20	0.00	0.47	0.16
01/21/10								
2400	0.98	1.38	1.06	0.91	0.94	0.51	1.81	1.42
1800	0.91	0.63	1.14	0.59	1.02	0.79	1.61	0.71
1200	1.02	0.87	0.87	0.67	0.63	0.59	0.98	0.59
0600	0.83	0.59	0.51	0.51	0.47	0.00	0.71	0.43
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.12	0.16	0.00	0.04	0.20	0.00
01/19/10								
2400	0.91	0.83	0.87	0.59	0.79	0.43	1.26	1.06
1800	0.08	0.00	0.16	0.00	0.08	0.08	0.08	0.04
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.24	0.31	0.20	0.35	0.28	0.16	0.20	0.04
01/18/10								
2400	0.00	0.00	0.00	0.04	0.04	0.00	0.04	0.00
1800	0.04	0.04	0.08	0.08	0.08	0.04	0.00	0.04
1200	0.04	0.00	0.00	0.00	0.04	0.08	0.04	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	5.75	5.08	5.43	4.53	5.00	3.07	7.91	5.04
Peak Intensities:								
6-hour:	1.22	1.22	1.38	0.98	1.26	1.06	1.93	1.38
12-hour:	2.13	1.97	2.44	1.85	2.20	1.69	3.50	2.09
1-day:	3.90	3.43	3.50	2.56	3.11	1.85	5.35	3.11
2-day:	4.37	3.90	3.90	3.11	3.50	2.17	5.91	3.62
4-day:	5.63	5.08	5.28	4.29	4.65	2.87	7.68	4.76

FCD of Maricopa County ALERT System
P26: Gages 5910-5950

DeviceID	<u>5910</u>	<u>5915</u>	<u>5920</u>	<u>5925</u>	<u>5930</u>	<u>5940</u>	<u>5945</u>	<u>5950</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
1800	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00
0600	0.08	0.16	0.08	0.00	0.04	0.08	0.08	0.08
01/22/10								
2400	0.16	0.16	0.16	0.04	0.12	0.16	0.08	0.20
1800	0.31	0.00	0.00	0.12	0.04	0.00	0.00	0.00
1200	0.16	0.35	0.20	0.12	0.08	0.20	0.20	0.04
0600	0.12	0.08	0.08	0.51	0.08	0.24	0.04	0.04
01/21/10								
2400	1.10	1.30	1.26	2.83	0.87	1.30	0.08	1.02
1800	0.87	0.63	0.47	2.40	0.87	0.83	0.08	0.16
1200	0.51	0.83	0.43	1.61	0.43	0.79	0.35	0.16
0600	0.43	0.55	0.55	0.63	0.31	0.79	0.28	0.43
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.35	0.00	0.00	0.55	0.12	0.04	0.00	0.00
01/19/10								
2400	1.38	1.10	0.98	1.65	1.14	1.26	0.63	0.87
1800	0.00	0.08	0.04	0.00	0.00	0.12	0.04	0.04
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0600	0.08	0.08	0.08	0.28	0.08	0.20	0.00	0.08
01/18/10								
2400	0.04	0.00	0.04	0.16	0.00	0.00	0.00	0.00
1800	0.04	0.04	0.00	0.16	0.08	0.00	0.04	0.00
1200	0.08	0.00	0.08	0.12	0.04	0.08	0.08	0.08
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	5.71	5.39	4.45	11.38	4.29	6.10	2.01	3.23
Peak Intensities:								
6-hour:	1.34	1.26	1.30	3.31	1.10	1.34		0.98
12-hour:	1.97	1.93	1.73	5.31	1.73	2.13		1.14
1-day:	2.91	3.27	2.76	7.60	2.52	3.78		1.69
2-day:	3.62	3.86	3.11	8.27	2.80	4.29		2.01
4-day:	5.43	5.16	4.25	10.98	4.13	5.87		3.03

5945 - this storm total appears to be low (likely due to high wind exposure), but the gage was visited and no problem was found.

FCD of Maricopa County ALERT System
P27: Gages 5955-5990

DeviceID	<u>5955</u>	<u>5960</u>	<u>5965</u>	<u>5970</u>	<u>5975</u>	<u>5980</u>	<u>5985</u>	<u>5990</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.12	0.00	0.12	0.08	0.12	0.16	0.00	0.12
01/22/10								
2400	0.28	0.00	0.16	0.20	0.12	0.20	0.28	0.16
1800	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.31	0.00	0.08	0.12	0.20	0.08	0.16	0.24
0600	0.43	0.00	0.04	0.00	0.00	0.04	0.04	0.04
01/21/10								
2400	2.40	1.10	0.94	0.91	0.75	0.98	0.87	0.87
1800	1.54	1.34	0.31	0.31	0.20	0.31	0.28	0.35
1200	1.65	1.14	0.24	0.28	0.31	0.35	0.39	0.35
0600	0.94	0.00	0.43	0.51	0.39	0.51	0.43	0.39
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00
01/19/10								
2400	1.85	0.59	0.98	1.02	0.79	0.98	0.98	0.91
1800	0.20	0.16	0.04	0.04	0.04	0.08	0.00	0.00
1200	0.04	0.08	0.00	0.00	0.00	0.00	0.04	0.00
0600	0.24	0.00	0.04	0.08	0.04	0.08	0.04	0.04
01/18/10								
2400	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1800	0.04	0.04	0.04	0.00	0.00	0.00	0.04	0.00
1200	0.04	0.00	0.04	0.08	0.04	0.08	0.04	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	10.51	4.65	3.46	3.62	3.03	3.86	3.58	3.46
Peak Intensities:								
6-hour:	2.52		0.98	1.02	0.79	0.98	0.83	0.87
12-hour:	4.06		1.14	1.14	0.94	1.26	1.14	1.18
1-day:	6.77		1.89	1.97	1.61	2.13	1.93	1.93
2-day:	7.56		2.17	2.28	1.97	2.44	2.40	2.36
4-day:	10.04		3.23	3.46	2.80	3.62	3.50	3.35

5960 - some, but not all precipitation fell as snow and melted after 01/23.

FCD of Maricopa County ALERT System
P28: Gages 5995-6540

DeviceID	<u>5995</u>	<u>6500</u>	<u>6510</u>	<u>6520</u>	<u>6525</u>	<u>6530</u>	<u>6535</u>	<u>6540</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00
0600	0.08	0.04	0.00	0.04	0.00	0.00	0.00	0.04
01/22/10								
2400	0.20	0.04	0.12	0.08	0.11	0.04	0.04	0.08
1800	0.00	0.00	0.08	0.04	0.07	0.12	0.04	0.04
1200	0.31	0.08	0.12	0.08	0.06	0.04	0.04	0.12
0600	0.08	0.00	0.00	0.00	0.00	0.00	0.04	0.04
01/21/10								
2400	0.94	0.59	0.47	0.51	0.73	0.63	0.51	0.63
1800	0.28	0.20	0.24	0.12	0.24	0.04	0.08	0.08
1200	0.59	0.12	0.08	0.12	0.13	0.12	0.12	0.20
0600	0.47	0.39	0.39	0.47	0.34	0.67	0.39	0.51
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.00
01/19/10								
2400	1.10	0.75	0.75	0.79	0.70	1.10	1.02	0.91
1800	0.00	0.12	0.20	0.08	0.15	0.04	0.04	0.04
1200	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.08	0.00	0.04	0.00	0.02	0.00	0.00	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.12	0.00	0.00	0.00	0.03	0.04	0.04	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	4.25	2.40	2.48	2.32	2.58	2.95	2.40	2.68
Peak Intensities:								
6-hour:	0.94	0.79	0.75	0.83	0.76	1.10	1.02	0.91
12-hour:	1.26	0.91	0.87	0.87	0.96	1.18	1.06	0.94
1-day:	2.24	1.26	1.14	1.18	1.44	1.42	1.10	1.42
2-day:	2.83	1.54	1.50	1.54	1.68	2.01	1.65	1.73
4-day:	4.06	2.36	2.48	2.28	2.54	2.83	2.32	2.64

FCD of Maricopa County ALERT System
P29: Gages 6550-6595

DeviceID	<u>6550</u>	<u>6560</u>	<u>6570</u>	<u>6575</u>	<u>6580</u>	<u>6585</u>	<u>6590</u>	<u>6595</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
01/22/10								
2400	0.12	0.04	0.16	0.04	0.00	0.04	0.08	0.00
1800	0.04	0.04	0.08	0.08	0.00	0.04	0.04	0.00
1200	0.12	0.00	0.04	0.00	0.12	0.04	0.12	0.00
0600	0.12	0.04	0.00	0.12	0.08	0.00	0.04	0.39
01/21/10								
2400	0.63	0.87	0.67	0.83	0.59	0.47	0.67	0.24
1800	0.12	0.20	0.20	0.12	0.00	0.04	0.16	0.04
1200	0.12	0.55	0.16	0.12	0.08	0.08	0.16	0.12
0600	0.35	0.08	0.75	0.47	0.43	0.43	0.67	0.31
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00
0600	0.00	0.08	0.04	0.04	0.00	0.00	0.00	0.00
01/19/10								
2400	0.71	0.79	0.98	1.10	1.14	0.91	1.06	0.91
1800	0.12	0.08	0.04	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.52	2.76	3.19	2.91	2.48	2.09	3.03	2.17
Peak Intensities:								
6-hour:	0.75	0.79	0.98	1.06	1.10	0.91	1.06	0.87
12-hour:	0.83	1.02	1.06	1.14	1.10	0.91	1.06	0.87
1-day:	1.26	1.65	1.73	1.61	1.14	0.98	1.65	0.91
2-day:	1.61	1.81	2.13	1.81	1.61	1.50	2.05	1.34
4-day:	2.48	2.76	3.15	2.91	2.44	2.09	3.03	2.01

FCD of Maricopa County ALERT System
P30: Gages 6600-6635

DeviceID	<u>6600</u>	<u>6605</u>	<u>6610</u>	<u>6615</u>	<u>6620</u>	<u>6625</u>	<u>6630</u>	<u>6635</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.04	0.00	0.00	0.00	0.04	0.04	0.04
01/22/10								
2400	0.04	0.00	0.04	0.04	0.16	0.12	0.12	0.12
1800	0.04	0.04	0.00	0.00	0.04	0.12	0.00	0.00
1200	0.16	0.00	0.16	0.16	0.00	0.16	0.16	0.12
0600	0.00	0.00	0.08	0.08	0.00	0.08	0.08	0.08
01/21/10								
2400	0.47	0.28	0.91	0.91	0.67	0.67	0.87	0.79
1800	0.16	0.00	0.04	0.08	0.00	0.28	0.28	0.20
1200	0.12	0.16	0.16	0.08	0.12	0.16	0.16	0.12
0600	0.67	0.39	0.47	0.59	0.51	0.59	0.91	0.71
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/19/10								
2400	0.94	0.51	1.18	1.14	1.18	1.02	0.98	0.98
1800	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04
01/18/10								
2400	0.04	0.00	0.00	0.00	0.04	0.00	0.04	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.64	1.46	3.03	3.11	2.72	3.23	3.66	3.19
Peak Intensities:								
6-hour:	0.91		1.18	1.06	1.10	0.98	0.94	0.94
12-hour:	0.94		1.18	1.14	1.18	1.02	1.22	0.98
1-day:	1.42		1.57	1.57	1.30	1.65	2.20	1.77
2-day:	1.89		1.85	1.93	1.81	2.13	2.56	2.13
4-day:	2.60		3.03	3.07	2.68	3.19	3.54	3.15

6605 - this storm total appears to be low, but the gage was visited and no problem was found.

FCD of Maricopa County ALERT System
P31: Gages 6640-6690

DeviceID	<u>6640</u>	<u>6650</u>	<u>6655</u>	<u>6670</u>	<u>6675</u>	<u>6680</u>	<u>6685</u>	<u>6690</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
0600	0.04	0.04	0.04	0.08	0.00	0.04	0.04	0.04
01/22/10								
2400	0.20	0.28	0.08	0.16	0.12	0.04	0.04	0.12
1800	0.00	0.00	0.00	0.08	0.00	0.16	0.00	0.00
1200	0.12	0.24	0.31	0.20	0.08	0.00	0.28	0.16
0600	0.12	0.04	0.08	0.12	0.12	0.04	0.08	0.04
01/21/10								
2400	0.63	0.75	0.51	0.67	0.67	0.71	0.55	0.71
1800	0.24	0.31	0.43	0.28	0.20	0.12	0.28	0.20
1200	0.20	0.12	0.16	0.28	0.20	0.20	0.04	0.20
0600	0.63	0.83	0.63	0.59	0.43	0.43	0.55	0.51
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.04	0.08	0.00	0.00
01/19/10								
2400	0.87	0.91	0.87	1.10	1.06	0.79	0.98	0.98
1800	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.04
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.04	0.04	0.00	0.04	0.00	0.04	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	3.07	3.58	3.19	3.54	2.99	2.60	2.87	2.99
Peak Intensities:								
6-hour:	0.83	0.87	0.87	1.02	1.02	0.71	0.91	0.98
12-hour:	1.02	1.14	1.10	1.10	1.10	0.83	0.98	1.02
1-day:	1.73	2.01	1.69	1.81	1.54	1.30	1.42	1.57
2-day:	2.13	2.56	2.20	2.36	1.89	1.65	1.77	1.93
4-day:	3.03	3.50	3.15	3.46	2.95	2.56	2.83	2.95

FCD of Maricopa County ALERT System
P32: Gages 6695-6730

DeviceID	<u>6695</u>	<u>6700</u>	<u>6705</u>	<u>6710</u>	<u>6715</u>	<u>6720</u>	<u>6725</u>	<u>6730</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.00	0.04	0.00	0.00	0.04	0.04
01/22/10								
2400	0.16	0.12	0.04	0.08	0.20	0.24	0.24	0.24
1800	0.00	0.12	0.00	0.04	0.20	0.04	0.12	0.08
1200	0.31	0.08	0.16	0.12	0.16	0.16	0.20	0.31
0600	0.16	0.00	0.04	0.28	0.47	0.24	0.16	0.31
01/21/10								
2400	0.67	0.75	0.71	0.75	0.75	0.59	0.71	0.71
1800	0.31	0.16	0.20	0.16	0.00	0.08	0.28	0.28
1200	0.28	0.24	0.04	0.08	0.00	0.16	0.35	0.16
0600	0.87	0.39	0.63	0.71	0.51	0.47	0.67	0.63
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.12	0.08	0.00	0.00
01/19/10								
2400	0.98	0.83	1.02	1.14	0.87	0.83	1.02	0.91
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	3.86	2.72	2.87	3.39	3.35	2.87	3.82	3.66
Peak Intensities:								
6-hour:	0.91	0.83	0.98	1.10	0.91	0.79	0.94	0.87
12-hour:	1.30	0.87	1.02	1.10	1.30	0.87	1.14	1.06
1-day:	2.09	1.54	1.57	1.93	1.69	1.46	1.97	1.97
2-day:	2.72	1.85	1.89	2.20	2.24	1.97	2.68	2.72
4-day:	3.74	2.72	2.83	3.35	3.31	2.87	3.74	3.62

FCD of Maricopa County ALERT System
P33: Gages 6735-6830

DeviceID	<u>6735</u>	<u>6740</u>	<u>6745</u>	<u>6750</u>	<u>6780</u>	<u>6810</u>	<u>6820</u>	<u>6830</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.04	0.00	0.08	0.00	0.00	0.00
01/22/10								
2400	0.20	0.00	0.12	0.04	0.20	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
1200	0.28	0.00	0.24	0.04	0.20	0.00	0.00	0.00
0600	0.16	1.22	0.16	0.12	0.08	0.00	0.00	0.04
01/21/10								
2400	0.87	0.83	0.55	0.59	1.34	0.75	0.59	0.55
1800	0.35	0.47	0.16	0.16	0.71	0.67	0.31	0.20
1200	0.51	0.28	0.28	0.20	0.31	0.24	0.16	0.08
0600	0.79	0.51	0.63	0.55	0.71	0.59	0.55	0.24
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.12	0.31	0.00	0.43	0.00	0.00	0.00	0.00
01/19/10								
2400	1.06	0.83	1.06	0.51	1.06	0.75	0.83	0.79
1800	0.04	0.00	0.00	0.00	0.00	0.24	0.24	0.12
1200	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
0600	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.04
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.04	0.00	0.00	0.00	0.08	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	4.53	4.45	3.23	2.80	4.80	3.23	2.68	2.05
Peak Intensities:								
6-hour:	1.02	1.18	1.02	0.59	1.06	0.98	0.98	0.79
12-hour:	1.42	1.77	1.06	0.94	1.85	1.34	1.06	0.91
1-day:	2.48	2.72	1.69	1.57	3.07	2.20	1.61	1.10
2-day:	3.11	3.31	2.13	1.85	3.54	2.48	1.97	1.38
4-day:	4.37	4.45	3.19	2.76	4.72	3.23	2.68	2.05

FCD of Maricopa County ALERT System
P34: Gages 6835-6900

DeviceID	<u>6835</u>	<u>6840</u>	<u>6845</u>	<u>6850</u>	<u>6865</u>	<u>6880</u>	<u>6890</u>	<u>6900</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
Data Type	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10								
2400	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.12
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/21/10								
2400	0.59	0.75	0.71	0.04	0.63	0.51	0.55	0.71
1800	0.59	0.28	0.31	0.00	0.35	0.16	0.16	0.00
1200	0.16	0.08	0.20	0.08	0.28	0.16	0.12	0.20
0600	0.63	0.28	0.20	0.04	0.63	0.20	0.12	0.20
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.04
01/19/10								
2400	0.75	0.55	0.87	0.59	0.94	0.79	0.67	1.10
1800	0.20	0.24	0.04	0.08	0.20	0.16	0.12	0.24
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.04	0.04	0.04	0.00	0.04	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1200	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.91	2.20	2.36	0.94	3.11	2.09	1.85	2.64
Peak Intensities:								
6-hour:	0.87	0.75	0.87		1.02	0.91	0.79	1.34
12-hour:	1.18	0.91	1.02		1.14	0.94	0.79	1.38
1-day:	1.97	1.38	1.42		1.89	1.02	0.91	1.38
2-day:	2.24	1.38	1.57		2.20	1.38	1.18	1.77
4-day:	2.91	2.20	2.36		3.11	2.09	1.85	2.64

6850 - this storm total appears to be low, but the gage was visited and no problem was found.

FCD of Maricopa County ALERT System
P35: Gages 6905-6960

DeviceID	<u>6905</u>	<u>6910</u>	<u>6920</u>	<u>6930</u>	<u>6940</u>	<u>6950</u>	<u>6955</u>	<u>6960</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
Data Type	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10								
2400	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.00
1800	0.00	0.12	0.20	0.08	0.08	0.00	0.16	0.55
1200	0.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
01/21/10								
2400	0.63	0.47	0.59	0.79	0.71	0.59	0.75	0.67
1800	0.28	0.04	0.04	0.04	0.04	0.31	0.00	0.00
1200	0.39	0.00	0.00	0.00	0.00	0.24	0.00	0.00
0600	0.79	0.08	0.04	0.08	0.12	0.39	0.12	0.16
01/20/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
01/19/10								
2400	0.87	0.87	1.34	0.98	0.75	0.71	1.22	1.30
1800	0.20	0.31	0.16	0.20	0.00	0.31	0.04	0.04
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.08	0.00	_____	0.00
01/18/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	_____	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	_____	0.00
1200	0.00	0.04	0.04	0.04	0.00	0.00	_____	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00	_____	0.00
TOTALS:	3.23	1.93	2.44	2.32	1.81	2.56	2.32	2.76
Peak Intensities:								
6-hour:	0.98	1.10	1.46	1.18	0.75	0.94	1.22	1.30
12-hour:	1.30	1.18	1.50	1.26	0.75	1.02	1.26	1.34
1-day:	2.09	1.18	1.50	1.34	0.83	1.54	1.26	1.34
2-day:	2.48	1.26	1.54	1.38	0.94	1.89	1.38	1.50
4-day:	3.23	1.89	2.40	2.28	1.81	2.56	2.32	2.72

Gage 6955 was down from 01/12 08:45 (3) through 01/19 11:21 (3) due to transmitter failure; no rain fell.

FCD of Maricopa County ALERT System
P36: Gages 6965-7030

DeviceID	<u>6965</u>	<u>6980</u>	<u>7000</u>	<u>7005</u>	<u>7010</u>	<u>7020</u>	<u>7025</u>	<u>7030</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/22/10								
2400	0.04	0.00	0.20	0.24	0.00	0.00	0.04	0.08
1800	0.08	0.08	0.12	0.00	0.04	0.31	0.12	0.08
1200	0.04	0.04	0.12	0.08	0.00	0.24	0.00	0.04
0600	0.04	0.12	0.16	0.00	0.04	0.00	0.00	0.00
01/21/10								
2400	0.87	1.02	0.35	0.31	0.31	0.35	0.43	0.43
1800	0.00	0.20	1.14	0.94	0.91	0.98	0.98	0.71
1200	0.08	0.00	0.83	0.55	0.67	0.79	0.67	0.67
0600	0.12	0.20	0.67	0.71	0.71	0.51	0.75	0.71
01/20/10								
2400	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/19/10								
2400	0.94	0.55	0.55	0.47	0.63	0.43	0.51	0.31
1800	0.04	0.00	0.16	0.20	0.24	0.04	0.28	0.24
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.16	0.12	0.20	0.16	0.16	0.08
01/18/10								
2400	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.04
1800	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.00
1200	0.04	0.08	0.04	0.08	0.08	0.08	0.08	0.12
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	2.28	2.32	4.57	3.74	3.86	3.94	4.09	3.50
Peak Intensities:								
6-hour:	0.94	1.06	1.22	0.83	0.87	0.98	1.10	0.75
12-hour:	0.98	1.22	2.09	1.54	1.57	1.77	1.85	1.54
1-day:	1.02	1.38	3.07	2.48	2.60	2.64	2.83	2.52
2-day:	1.22	1.65	3.50	2.80	2.99	3.23	2.99	2.72
4-day:	2.24	2.24	4.41	3.62	3.82	3.86	3.94	3.35

FCD of Maricopa County ALERT System
P37: Gages 7035-7100

DeviceID	<u>7035</u>	<u>7040</u>	<u>7050</u>	<u>7060</u>	<u>7070</u>	<u>7080</u>	<u>7090</u>	<u>7100</u>
StatType	dif	dif	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in	in	in
01/23/10								
2400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00
01/22/10								
2400	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.04	0.04	0.04	0.00	0.00	0.00	0.00
0600	0.12	0.00	0.00	0.08	0.00	0.00	0.00	0.04
01/21/10								
2400	0.28	0.47	0.24	0.35	0.51	0.55	0.55	0.67
1800	1.18	1.34	1.26	1.22	1.54	1.30	1.22	1.14
1200	0.79	0.79	0.71	0.91	1.14	1.06	0.94	0.79
0600	0.83	0.71	0.83	0.79	0.87	0.67	0.79	0.75
01/20/10								
2400	0.04	0.00	0.00	0.00	0.00	0.04	0.04	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00
01/19/10								
2400	0.71	0.75	0.83	0.94	0.87	0.83	0.87	0.75
1800	0.31	0.28	0.31	0.39	0.35	0.24	0.35	0.20
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.16	0.16	0.12	0.20	0.16	0.12	0.12	0.16
01/18/10								
2400	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00
1800	0.04	0.00	0.00	0.00	0.04	0.00	0.04	0.00
1200	0.08	0.08	0.12	0.12	0.12	0.12	0.12	0.12
0600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	4.61	4.65	4.49	5.08	5.59	5.00	5.08	4.61
Peak Intensities:								
6-hour:	1.14	1.34	1.18	1.30	1.61	1.42	1.34	1.46
12-hour:	2.01	2.32	1.97	2.17	2.72	2.40	2.32	2.28
1-day:	3.07	3.31	3.03	3.31	4.06	3.62	3.54	3.31
2-day:	3.66	3.74	3.66	4.06	4.45	3.98	3.94	3.82
4-day:	4.53	4.57	4.45	5.04	5.59	5.00	5.04	4.57

FCD of Maricopa County ALERT System

P38: Gages 7110-7145

DeviceID	<u>7110</u>	<u>7120</u>	<u>7130</u>	<u>7135</u>	<u>7140</u>	<u>7145</u>
StatType	dif	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip	precip
Units	in	in	in	in	in	in
01/23/10						
2400	_____	0.00	0.00	0.00	0.00	0.00
1800	_____	0.00	0.00	0.00	0.00	0.00
1200	_____	0.00	0.00	0.00	0.00	0.00
0600	_____	0.00	0.00	0.00	0.00	0.00
01/22/10						
2400	0.00	0.00	0.00	0.04	0.12	0.08
1800	0.00	0.00	0.00	0.04	0.24	0.31
1200	0.00	0.00	0.04	0.00	0.04	0.12
0600	0.04	0.00	0.00	0.04	0.00	0.00
01/21/10						
2400	0.59	0.43	0.43	0.31	0.63	0.43
1800	1.46	1.06	1.22	0.75	0.67	1.06
1200	0.75	0.94	0.94	0.75	0.67	0.67
0600	0.79	0.67	0.79	0.79	0.43	0.55
01/20/10						
2400	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.04	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.94	0.04	0.04	0.00	0.00	0.00
01/19/10						
2400	0.75	0.75	0.87	0.59	0.31	0.31
1800	0.24	0.35	0.24	0.20	0.16	0.16
1200	0.00	0.00	0.00	0.00	0.00	0.00
0600	0.16	0.16	0.16	0.16	0.08	0.12
01/18/10						
2400	0.00	0.00	0.00	0.00	0.04	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.08	0.12	0.12	0.08	0.04	0.04
0600	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS:	5.79	4.57	4.84	3.74	3.43	3.86
Peak Intensities:						
6-hour:		1.10	1.26	0.83	1.02	1.22
12-hour:		1.93	2.20	1.57	1.69	2.01
1-day:		3.07	3.35	2.60	2.36	2.72
2-day:		3.54	3.82	2.91	2.76	3.23
4-day:		4.57	4.80	3.66	3.39	3.74

7110 was down from 01/18 06:55 (35) through 01/25 10:59 (158) due to a plugged funnel; count is OK but distribution was estimated.

FCD of Maricopa County ALERT System

P39: Gages 7150-7170

DeviceID	<u>7150</u>	<u>7155</u>	<u>7160</u>	<u>7165</u>	<u>7170</u>
StatType	dif	dif	dif	dif	dif
DataType	precip	precip	precip	precip	precip
Units	in	in	in	in	in
01/23/10					
2400	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.00	0.04
01/22/10					
2400	0.00	0.16	0.00	0.08	0.04
1800	0.08	0.24	0.04	0.08	0.00
1200	0.20	0.08	0.12	0.00	0.16
0600	0.00	0.00	0.00	0.00	0.00
01/21/10					
2400	1.10	0.35	0.79	0.47	0.39
1800	0.87	0.91	1.02	1.22	1.26
1200	0.71	0.94	0.67	0.79	0.79
0600	0.51	0.51	0.63	0.71	0.71
01/20/10					
2400	0.00	0.04	0.00	0.04	0.04
1800	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00
0600	0.00	0.00	0.00	0.04	0.00
01/19/10					
2400	0.31	0.47	0.28	0.67	0.39
1800	0.12	0.16	0.04	0.24	0.16
1200	0.00	0.00	0.00	0.00	0.00
0600	0.08	0.16	0.12	0.20	0.16
01/18/10					
2400	0.00	0.00	0.00	0.00	0.00
1800	0.04	0.04	0.00	0.00	0.04
1200	0.00	0.08	0.04	0.08	0.00
0600	0.00	0.00	0.00	0.00	0.00
TOTALS:	4.02	4.13	3.74	4.61	4.17

Peak Intensities:

6-hour:	1.73	1.02	1.50	1.22	1.26
12-hour:	2.52	1.73	2.24	2.09	2.13
1-day:	3.19	2.76	3.11	3.19	3.19
2-day:	3.46	3.19	3.27	3.46	3.39
4-day:	3.98	3.98	3.70	4.45	4.09