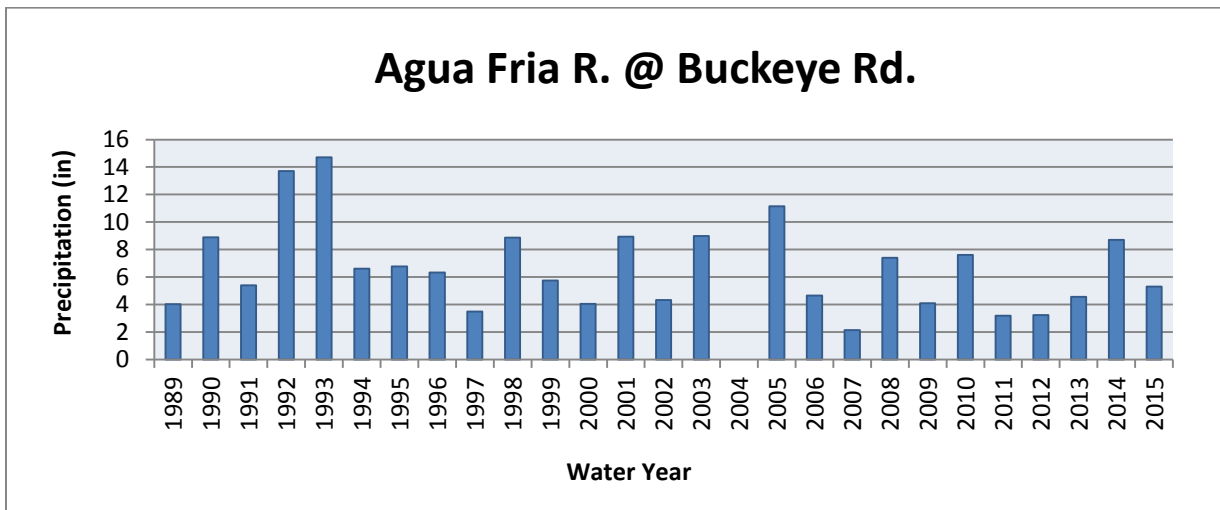


Station Name: Agua Fria River @ Buckeye Rd.

Station ID Number History:	5400 since 06/12/92 2800 from 10/06/88 - 06/12/92
Station Type:	Rain / Stage
Data Begins:	10/06/1988
Years Since Installation:	26.98 (as of 10/01/15)
Data Repeater:	Direct
County:	Maricopa
Latitude:	33° 26' 05.7" (33.43492)
Longitude:	112° 20' 03.2" (112.33421)
Elevation:	970 ft. msl
Location:	Buckeye Rd. bridge over Agua Fria River
Data Record:	
Incomplete Months:	None
Missing Months:	10/03-04/04
Remarks:	Records Good



Data Statistics for Period of Record:

Number of storms greater than 1 inch in 24 hours:	31	
Number of storms greater than 2 inches in 24 hours:	6	
Number of storms greater than 3 inches in 24 hours:	0	
		Approx. T _r
Greatest 15 minute total:	0.94" on 08/02/05	22 years
Greatest 1 hour total:	2.09" on 08/02/05	103 years
Greatest 3 hour total:	2.32" on 08/02/05	89 years
Greatest 6 hour total:	2.40" on 08/02/05	68 years
Greatest 24 hour total:	2.40" on 08/02/05	15 years
Greatest 72 hour total:	2.60" on 02/13/03	10 years

Water Year Totals: (Mean of Complete Water Years [26] = 6.65 inches)

Water Year	Total	Water Year	Total	Water Year	Total	Water Year	Total
2010		2010	7.60	2000	4.06	1990	8.90
2009		2009	4.09	1999	5.75	1989	4.02
2008		2008	7.40	1998	8.86	1988	
2007		2007	2.13	1997	3.50	1987	
2006		2006	4.65	1996	6.34	1986	
2005	5.31	2005	11.14	1995	6.77	1985	
2004	8.70	2004	M	1994	6.61	1984	
2003	4.57	2003	8.98	1993	14.72	1983	
2002	3.23	2002	4.33	1992	13.70	1982	
2001	3.19	2001	8.94	1991	5.39	1981	

M: One or more months contain partial or missing data

Design Rainfall for this Geographic Location:

Click this [link](#) for Point Precipitation Frequency Estimates (Annual Maximum Series) in Tabular and Graphical Formats from NOAA Atlas 14, Volume I, Version 5

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria R. @ Buckeye Rd. (gage # 5400) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						.83					.20	
2						.04						
3										.04	.24	
4												
5										.04		
6												
7												
8												2.09
9												
10												
11												
12											.35	
13											.12	
14												
15												
16												
17												.08
18												
19			.24								.67	
20			.16									
21											.24	
22		1.89										
23		.35										
24												
25												
26												
27												.91
28												.24
29						----						
30						----						
31		----				----		----	----			----
SUM	0.00	2.24	0.39	0.00	0.00	0.87	0.00	0.00	0.00	0.08	1.81	3.31
ACC	0.00	2.24	2.64	2.64	2.64	3.50	3.50	3.50	3.50	3.58	5.39	8.70
MAX	0.00	1.89	0.24	0.00	0.00	0.82	0.00	0.00	0.00	0.04	0.67	2.09
NO.	0	2	2	0	0	2	0	0	0	2	6	4
											Maximum Daily Rainfall	2.09
											Maximum Monthly Rainfall	3.31
											Total Annual Rainfall	8.70
											Number of Days with Rain	18

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Agua Fria R. @ Buckeye Rd. (gage # 5400) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.12									
2												
3												
4	.04	.16								.24		
5		.16									.08	
6												
7		.24										
8												
9												
10								----				
11								----		.08		
12			.16					----		.08		
13		.16	.31					----		.04		
14			.20							.08		
15												
16												
17			.04								.28	
18			.12			.20						
19												
20												
21											.31	
22											.04	
23											.04	
24												
25												
26							.04					
27												
28												
29												
30										.04		
31		----			----		----		----			----
SUM	0.04	0.71	0.94	0.00	0.00	0.20	0.04	0.00	0.00	0.55	0.75	0.00
ACC	0.04	0.75	1.69	1.69	1.69	1.89	1.93	1.93	1.93	2.48	3.23	3.23
MAX	0.04	0.24	0.31	0.00	0.00	0.20	0.04	0.00	0.00	0.24	0.31	0.00
NO.	1	4	6	0	0	1	1	0	0	6	5	0
							Maximum Daily Rainfall					0.31
							Maximum Monthly Rainfall					0.94
							Total Annual Rainfall					3.23
							Number of Days with Rain					24

Gage 5400 down from 05/09 11:33 (49) through 05/14 08:18 (49) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria R. @ Buckeye (gage # 5400) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6	.04											
7	----											
8	----											
9	----											
10												
11					.04							
12												
13							----					
14	.04						----				.04	
15							----					
16												
17												
18												
19				.08	.28		----					
20							----					
21							----					
22			.04			.79	----					
23										.24		
24										.08		
25											.43	
26												
27												
28			.04									
29					----							
30					----							
31		----			----		----		----			----
SUM	0.08	0.00	0.08	0.08	0.31	0.79	0.00	0.00	0.00	0.31	0.47	0.00
ACC	0.08	0.08	0.16	0.24	0.55	1.34	1.34	1.34	1.34	1.65	2.13	2.13
MAX	0.04	0.00	0.04	0.08	0.28	0.79	0.00	0.00	0.00	0.24	0.43	0.00
NO.	2	0	2	1	2	1	0	0	0	2	2	0
							Maximum Daily Rainfall					0.79
							Maximum Monthly Rainfall					0.79
							Total Annual Rainfall					2.13
							Number of Days with Rain					12

Notes:

Annual rainfall in millimeters: 54 Total down-time: 14.02 days
 Gage 5400 down from 10/05 12:40 (0) - 10/10 13:04 (1) due to antenna failure; assigned 1mm to 10/06.
 Gage 5400 down from 4/12 09:46 (34) through 4/16 12:56 (34) for unknown reason; no rain fell.
 Gage 5400 down from 4/18 15:32 (34) through 4/23 12:21 (34) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Agua Fria R. @ Buckeye Rd. (gage # 5400) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2											2.17	
3				.59							.24	
4			.20	.31								
5			.24			.31						
6			.20		.04							
7		.39										
8		.16										
9												
10					.16							
11					.59							
12		.16			.24							
13												
14												
15		.08			.04			-----				
16								-----				
17					.20							
18					.24							
19					.63					.04		
20					.24							
21	.20	.12			.16							
22		.31			.12					.04		
23					.55		.24					
24				.12	.04		.04					
25						.04						
26				.31								
27												
28	.59		.16									
29			.43	.20	-----							
30			.04		-----							
31		-----			-----		-----		-----			-----
SUM	0.79	1.22	1.26	1.54	3.23	0.35	0.28	0.00	0.00	0.08	2.40	0.00
ACC	0.79	2.01	3.27	4.80	8.03	8.39	8.66	8.66	8.66	8.74	11.14	11.14
MAX	0.59	0.39	0.43	0.59	0.63	0.31	0.24	0.00	0.00	0.04	2.17	0.00
NO.	2	6	6	5	13	2	2	0	0	2	2	0
											Maximum Daily Rainfall	2.17
											Maximum Monthly Rainfall	3.23
											Total Annual Rainfall	11.14
											Number of Days with Rain	40

Notes:

Annual rainfall in millimeters: 283 Total down-time: 3.25 days
 Gage 5400 down from 5/14 07:08 (220) through 5/17 13:08 (220) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria R. @ Buckeye (gage # 5400) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
1	-----	-----	-----	-----	-----	-----	-----							
2	-----	-----	-----	-----	-----	-----	-----			-----				
3	-----	-----	-----	-----	-----	-----	-----			-----				
4	-----	-----	-----	-----	-----	-----	-----			-----		.98		
5	-----	-----	-----	-----	-----	-----	-----							
6	-----	-----	-----	-----	-----	-----	-----							
7	-----	-----	-----	-----	-----	-----	-----							
8	-----	-----	-----	-----	-----	-----	-----							
9	-----	-----	-----	-----	-----	-----	-----							
10	-----	-----	-----	-----	-----	-----	-----							
11	-----	-----	-----	-----	-----	-----	-----							
12	-----	-----	-----	-----	-----	-----	-----							
13	-----	-----	-----	-----	-----	-----	-----				.35			
14	-----	-----	-----	-----	-----	-----	-----			.55				
15	-----	-----	-----	-----	-----	-----	-----							
16	-----	-----	-----	-----	-----	-----	-----							
17	-----	-----	-----	-----	-----	-----	-----							
18	-----	-----	-----	-----	-----	-----	-----							
19	-----	-----	-----	-----	-----	-----	-----							
20	-----	-----	-----	-----	-----	-----	-----							
21	-----	-----	-----	-----	-----	-----	-----							
22	-----	-----	-----	-----	-----	-----	-----							
23	-----	-----	-----	-----	-----	-----	-----							
24	-----	-----	-----	-----	-----	-----	-----							
25	-----	-----	-----	-----	-----	-----	-----			.04				
26	-----	-----	-----	-----	-----	-----	-----			.04				
27	-----	-----	-----	-----	-----	-----	-----							
28	-----	-----	-----	-----	-----	-----	-----							
29	-----	-----	-----	-----	-----	-----	-----							
30	-----	-----	-----	-----	-----	-----	-----							
31	-----	-----	-----	-----	-----	-----	-----		-----			-----		
SUM	-----	-----	-----	-----	-----	-----	-----	0.00	0.00	0.00	0.63	0.35	0.98	
ACC	-----	-----	-----	-----	-----	-----	-----	0.00	0.00	0.00	0.63	0.98	1.97	
MAX	-----	-----	-----	-----	-----	-----	-----	0.00	0.00	0.00	0.55	0.35	0.98	
NO.	-----	-----	-----	-----	-----	-----	-----	0	0	0	3	1	1	
													Maximum Daily Rainfall	0.98
													Maximum Monthly Rainfall	0.98
													Partial Annual Rainfall	1.97
													Number of Days with Rain	5

Notes:

Partial annual rainfall in millimeters: 50
 Station back in service on 04/29/2004.
 Gage 5400 down from 7/01 20:01 (0) through 7/05 08:20 (0) for unknown reason; no rain fell.

Total down-time: 214.76 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria R. @ Buckeye (gage # 5400) for Water Year 2003

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1											.08		
2													
3													
4													
5													
6													
7													
8				.47									
9													
10													
11													
12					.24								
13					2.01								
14					.35						1.77		
15							.12				.04		
16						.79							
17	.08					.20							
18													
19											.20		
20													
21													
22													
23			.08										
24										.12			
25					.63								
26	.08				.43								
27					.12								
28					.04								
29		.43								.71			
30													
31													
SUM	0.16	0.43	0.08	0.47	3.82	0.98	0.12	0.00	0.00	0.83	2.09	0.00	
ACC	0.16	0.59	0.67	1.14	4.96	5.94	6.06	6.06	6.06	6.89	8.98	8.98	
MAX	0.08	0.43	0.08	0.47	2.01	0.79	0.12	0.00	0.00	0.71	1.77	0.00	
NO.	2	1	1	1	7	2	1	0	0	2	4	0	
												Maximum Daily Rainfall	2.01
												Maximum Monthly Rainfall	3.82
												Total Annual Rainfall	8.98
												Number of Days with Rain	21

Notes:

Total annual rainfall in millimeters: 228 Total down-time: 3.89 days
Gage 5400 down from 7/25 08:50 (157) through 7/29 06:16 (157) due to battery failure; no rain fell.
Gage 5400 out-of-service from 09/15 06:19 through the end of the water-year due to bridge construction; assume no rain fell in those 15 days.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria @ Buckeye (gage # 5400) for Water Year 2002

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2													
3													
4			.39										
5		.43											
6	.31											.71	
7												.55	
8												.08	
9													
10													
11			.31										
12													
13													
14										1.22			
15										.04			
16													
17													
18													
19													
20													
21													
22													
23										.24			
24													
25													
26													
27													
28													
29					-----								
30				.04	-----								
31		-----			-----		-----		-----			-----	
SUM	0.31	0.43	0.71	0.04	0.00	0.00	0.00	0.00	0.00	1.50	0.00	1.34	
ACC	0.31	0.75	1.46	1.50	1.50	1.50	1.50	1.50	1.50	2.99	2.99	4.33	
MAX	0.31	0.43	0.39	0.04	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.71	
NO.	1	1	2	1	0	0	0	0	0	3	0	3	
												Maximum Daily Rainfall	1.22
												Maximum Monthly Rainfall	1.50
												Total Annual Rainfall	4.33
												Number of Days with Rain	11

Notes:

Total annual rainfall in millimeters: 110

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria @ Buckeye (gage # 5400) for Water Year 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1							.12						
2													
3				.04									
4					.91							.16	
5										.16			
6			.08								.04	.08	
7			.16		.04					.39	.12		
8					.75								
9					.31				----			.24	
10				.16				----					
11		.04					.04					.91	
12							.04						
13													
14					.08	.31							
15					.71	.04							
16													
17					.83					.24	.04		
18					.08								
19										.08			
20					.12								
21			.08										
22			.12										
23										.04			
24					.20								
25													
26						.31							
27													
28						.35							
29					----	.47							
30					----								
31		----			----		----		----			----	
SUM	0.00	0.04	0.43	0.20	4.02	1.50	0.20	0.00	0.00	0.91	0.20	1.38	
ACC	0.00	0.04	0.47	0.67	4.69	6.18	6.38	6.38	6.38	7.28	7.48	8.86	
MAX	0.00	0.04	0.16	0.16	0.91	0.47	0.12	0.00	0.00	0.39	0.12	0.91	
NO.	0	1	4	2	10	5	3	0	0	5	3	4	
												Maximum Daily Rainfall	0.91
												Maximum Monthly Rainfall	4.02
												Total Annual Rainfall	8.86
												Number of Days with Rain	37

Notes:

Annual rainfall in millimeters: 225 Total down-time: 2.9 days
Gage down from 5/08 21:31 (162) through 5/11 19:36 (162) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria @ Buckeye (gage # 5400) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												.20
2												
3							.16				.04	
4							.04					
5												.16
6												.04
7												
8											.79	
9											.04	
10												
11												.67
12												.08
13				.39								
14	.12			.04								
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26				.12								
27					.51							
28					.12							
29												
30												
31												
SUM	0.12	0.00	0.00	0.55	0.63	0.00	0.20	0.00	0.00	0.00	0.87	1.14
ACC	0.12	0.12	0.12	0.67	1.30	1.30	1.50	1.50	1.50	1.50	2.36	3.50
MAX	0.12	0.00	0.00	0.39	0.51	0.00	0.16	0.00	0.00	0.00	0.79	0.67
NO.	1	0	0	3	2	0	2	0	0	0	3	5
	Maximum Daily Rainfall											0.79
	Maximum Monthly Rainfall											1.14
	Total Annual Rainfall											3.50
	Number of Days with Rain											16

Notes:

Annual rainfall in millimeters: 89 Total down-time: 3.0 days
 Gage down from 4/4/97 7:02 (38) through 4/7/97 7:05 (38) due to transmitter failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria @ Buckeye (gage # 5400) for Water Year 1996

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1					.98							
2												
3												
4												.43
5		.47										.04
6										.08	----	.08
7											----	
8												
9										.08		
10										.12		.04
11												.87
12												
13						.28						
14						.79				.12	.35	
15										.28		
16												
17												
18												
19												
20												----
21												----
22				.08								----
23												----
24												
25					.51					.08		
26												
27										.08		
28												
29											.43	----
30						----						----
31		----		.16	----		----		----			----
SUM	0.00	0.47	0.00	0.24	1.50	1.06	0.00	0.00	0.00	0.83	0.79	1.46
ACC	0.00	0.47	0.47	0.71	2.20	3.27	3.27	3.27	3.27	4.09	4.88	6.34
MAX	0.00	0.47	0.00	0.16	0.98	0.79	0.00	0.00	0.00	0.28	0.43	0.87
NO.	0	1	0	2	2	2	0	0	0	7	2	5
	Maximum Daily Rainfall											0.98
	Maximum Monthly Rainfall											1.50
	Total Annual Rainfall											6.34
	Number of Days with Rain											21

Notes:

Annual Rainfall in mm: 161

Gage down from 8/04 23:54 (104) through 8/08 11:54 (104) for unknown reason; no rain fell.

Gage down from 9/19 07:01 (161) through 9/24 19:01 (161) for unknown reason, no rain fell.

Gage down from 9/28 07:01 (161) through 10/01 07:01 (0) due to for unknown reason, assume no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Agua Fria @ Buckeye Rd (gage # 5400) for Water Year 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1														
2														
3														
4			0.04	0.47										
5			0.39	0.20										
6			0.12			0.24						0.12		
7												0.20		
8														
9														
10														
11				0.04		0.43								
12		0.31		0.08	0.04	0.39								
13					0.12									
14														
15	0.24				0.12						0.04			
16							0.04							
17														
18							0.24							
19							0.16				0.04			
20											0.24			
21											0.08			
22					0.04									
23			1.06											
24														
25			0.63	0.31										
26			0.20	0.04										
27												0.08		
28														
29			0.04											
30														
31														
SUM	0.24	0.31	2.48	1.14	0.31	1.06	0.43	0.00	0.00	0.00	0.39	0.39		
ACC	0.24	0.55	3.03	4.17	4.49	5.55	5.98	5.98	5.98	5.98	6.38	6.77		
MAX	0.24	0.31	1.06	0.47	0.12	0.43	0.24	0.00	0.00	0.00	0.24	0.20		
NO.	1	1	7	6	4	3	3	0	0	0	4	3		
													Maximum Daily Rainfall	1.06
													Maximum Monthly Rainfall	2.48
													Total Annual Rainfall	6.77
													Number of Days with Rain	32

Notes:

Annual rainfall in mm: 172

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Agua Fria @ Buckeye (gauge # 5400) for Water Year 1994

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												0.12
3												
4												
5												
6	0.08											
7	0.08				0.31	0.55						
8					0.20							
9					0.04							
10												
11		0.04										
12		0.08	0.04									
13		0.24										0.55
14		1.46										
15		0.79	0.04									
16	0.08											
17												
18										0.28		
19						0.12						
20						0.08			0.04			
21												0.24
22												
23												
24								0.20				
25				0.04		0.83						
26						0.04						
27												
28										0.04		
29												
30												
31												
SUM	0.24	2.60	0.08	0.04	0.55	1.61	0.00	0.20	0.04	0.31	0.00	0.91
ACC	0.28	2.87	2.95	2.99	3.54	5.16	5.16	5.35	5.39	5.71	5.71	6.61
MAX	0.08	1.46	0.04	0.04	0.31	0.83	0.00	0.20	0.04	0.28	0.00	0.55
NO.	3	5	2	1	3	5	0	1	1	2	0	3
							Maximum Daily Rainfall					1.46
							Maximum Monthly Rainfall					2.60
							Total Annual Rainfall					6.61
							Number of Days with Rain					26

Notes:

Annual rainfall in mm: 168

Gauge down from 7/19 11:59 (144) through 7/21 08:20 (144) due to battery failure; assume no rain fell.

Gauge down from 8/19 20:12 (145) through 8/22 08:28 (145), reason unknown; assume no rain fell.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Agua Fria @ Buckeye (gage # 5400) for Water Year 1991

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	.55					.12						
2		.16										
3												.20
4				.55								
5												
6												
7												
8												
9												
10				.04								
11											.51	
12												
13												
14												
15						.43						
16												
17					.08							
18					.04							
19						.16						
20						.31						
21			.04									
22												.35
23												
24												
25											.04	
26		.12				.28					.08	
27					.04	.63						
28			.04		.47	.04						
29			.08		----							
30					----							
31		----			----		----		----			----
SUM	0.55	0.28	0.16	0.59	0.63	1.97	0.00	0.00	0.00	0.00	0.63	0.55
ACC	0.55	0.83	0.98	1.57	2.20	4.17	4.17	4.17	4.21	4.21	4.84	5.39
MAX	0.55	0.16	0.08	0.55	0.47	0.63	0.00	0.00	0.00	0.00	0.51	0.35
NO.	1	2	3	2	4	7	0	0	0	0	3	2
											Maximum Daily Rainfall	0.63
											Maximum Monthly Rainfall	1.97
											Total Annual Rainfall	5.39
											Number of Days with Rain	24

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Agua Fria @ Buckeye (gage # 5400) for Water Year 1990

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1					.20								
2				.16									
3	.04										.04	1.06	
4	.12											.04	
5												.24	
6													
7										.08			
8													
9													
10						.04			.31	.94			
11						.12					.08		
12											.08		
13													
14										.12	.47	.75	
15				.04						.79		.12	
16													
17				.35									
18													
19	.08				.12								
20												.20	
21	.67	.04										.35	
22													
23													
24							.04			.79			
25													
26													
27													
28			.04					.08					
29			.04		-----	.28							
30					-----								
31		-----			-----		-----		-----			-----	
SUM	0.91	0.04	0.08	0.55	0.31	0.43	0.04	0.08	0.31	2.72	0.67	2.76	
ACC	0.91	0.94	1.02	1.57	1.89	2.32	2.36	2.44	2.76	5.47	6.14	8.90	
MAX	0.67	0.04	0.04	0.35	0.20	0.28	0.04	0.08	0.31	0.94	0.47	1.06	
NO.	4	1	2	3	2	3	1	1	1	5	4	7	
												Maximum Daily Rainfall	1.06
												Maximum Monthly Rainfall	2.76
												Total Annual Rainfall	8.90
												Number of Days with Rain	34

