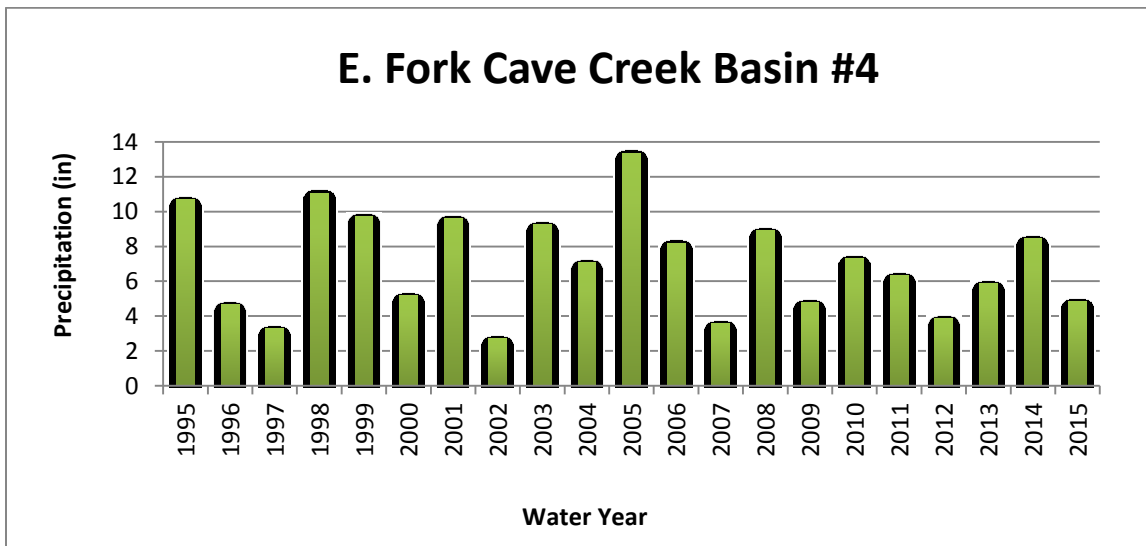




Station Name: East Fork Cave Creek Basin #4

Station ID Number History:	4655 since 01/18/1994
Station Type:	Rain/Stage
Data Begins:	01/18/1994
Years Since Installation:	21.70 (as of 10/01/15)
Data Repeater:	Thompson Peak
County:	Maricopa
Latitude:	33° 38' 56.5" (33.64904)
Longitude:	112° 00' 37.5" (112.01041)
Elevation:	1,465 ft. msl
Location:	1/4 mi. S of Union Hills Dr. and 32nd St.
Data Record:	
Incomplete Months:	None
Missing Months:	None
Remarks:	Records Good



Data Statistics for Period of Record:

Number of storms greater than 1 inch in 24 hours:	29	
Number of storms greater than 2 inches in 24 hours:	3	
Number of storms greater than 3 inches in 24 hours:	0	
		Approx. Tr
Greatest 15 minute total:	0.83" on 08/24/06	13 years
Greatest 1 hour total:	1.50" on 08/24/06	18 years
Greatest 3 hour total:	1.54" on 09/07/06	10 years
Greatest 6 hour total:	2.05" on 09/08/14	20 years
Greatest 24 hour total:	2.52" on 02/13/03	13 years
Greatest 72 hour total:	2.95" on 02/13/03	12 years

Water Year Totals (Mean of Complete Water Years [21] = 7.08 inches):

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	7.28	2000	5.16
2019		2009	4.80	1999	9.72
2018		2008	8.90	1998	11.06
2017		2007	3.58	1997	3.27
2016		2006	8.19	1996	4.65
2015	4.84	2005	13.35	1995	10.71
2014	8.43	2004	7.05	1994	M
2013	5.87	2003	9.25	1993	
2012	3.86	2002	2.72	1992	
2011	6.34	2001	9.61	1991	

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 East Fork Cave Cr. Basin #4 (gage # 4655) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2						.28						
3						.04						
4			.75					.28				
5									.24			
6												
7												
8												
9	.04								.04			
10												
11				.04								
12				.04								
13			.31	.08								.39
14												
15								.79				
16												
17												
18												
19						.71						
20												
21												
22												
23												
24												
25							.04					
26							.20					
27												
28												
29				.12	----							
30				.35	----							
31		----	.12		----		----		----			----
SUM	0.04	0.00	1.18	0.63	0.00	1.02	0.24	1.06	0.28	0.00	0.00	0.39
ACC	0.04	0.04	1.22	1.85	1.85	2.87	3.11	4.17	4.45	4.45	4.45	4.84
MAX	0.04	0.00	0.75	0.35	0.00	0.71	0.20	0.79	0.24	0.00	0.00	0.39
NO.	1	0	3	5	0	3	2	2	2	0	0	1
							Maximum Daily Rainfall					0.79
							Maximum Monthly Rainfall					1.18
							Total Annual Rainfall					4.84
							Number of Days with Rain					19

Flood Control District of Maricopa County ALERT System
Daily Rainfall at East Fork Cave Cr. Basin #4 (gage # 4655) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1					1.42						.04	
2											.12	
3												
4												
5												
6												.24
7												
8												2.13
9												
10												
11												
12											.12	
13											.08	
14												
15												
16												
17												
18												
19											1.46	
20			.24									
21		.16									.08	
22		1.30										
23		.43										
24		.04										
25												
26										.08		
27												.51
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	1.93	0.24	0.00	0.00	1.42	0.00	0.00	0.00	0.08	1.89	2.87
ACC	0.00	1.93	2.17	2.17	2.17	3.58	3.58	3.58	3.58	3.66	5.55	8.43
MAX	0.00	1.30	0.24	0.00	0.00	1.42	0.00	0.00	0.00	0.08	1.46	2.13
NO.	0	4	1	0	0	1	0	0	0	1	6	3
											Maximum Daily Rainfall	2.13
											Maximum Monthly Rainfall	2.87
											Total Annual Rainfall	8.43
											Number of Days with Rain	16

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at East Fork Cave Cr. Basin # 4 (gage # 4655) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3										.16	.47	
4										.59		
5	.39									.04		
6												
7												
8												
9							.24					
10												
11										.39		
12												
13											.16	
14												
15												
16			.20									
17												
18												
19					.35							
20					.20							
21	.31	.08				.12						
22			.31									
23			.04									
24										.12		
25										.04		
26												
27	.08				.39							
28												
29			.79		----							
30			.43		----					.16		
31		----			----		----		----	.28		----
SUM	0.79	0.08	1.77	0.00	0.94	0.12	0.24	0.00	0.00	1.77	0.63	0.00
ACC	0.79	0.87	2.64	2.64	3.58	3.70	3.94	3.94	3.94	5.71	6.34	6.34
MAX	0.39	0.08	0.79	0.00	0.39	0.12	0.24	0.00	0.00	0.59	0.47	0.00
NO.	3	1	5	2	3	1	1	0	0	8	2	0
							Maximum Daily Rainfall					0.79
							Maximum Monthly Rainfall					1.77
							Total Annual Rainfall					6.34
							Number of Days with Rain					26

Annual Total (mm): 161

Days Down: 0

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E. Fork Cave Cr. # 4 (gage # 4655) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4				.39								
5				.04								
6												
7												
8					.28							
9		.08			.59							
10					.04							
11							.51					
12												
13											.28	
14												
15												
16			.79									
17			.16									
18			.12									
19												
20												
21								.08			.04	
22			.08	.08				.12				
23			.16									
24										.08		
25			.08									
26		.08	.20									
27		.39										
28												
29					----							
30					----							
31		----			----		----		----		.16	----
SUM	0.00	0.55	1.57	0.51	0.91	0.00	0.51	0.20	0.00	0.08	0.47	0.00
ACC	0.00	0.55	2.13	2.64	3.54	3.54	4.06	4.25	4.25	4.33	4.80	4.80
MAX	0.00	0.39	0.79	0.39	0.59	0.00	0.51	0.12	0.00	0.08	0.28	0.00
NO.	0	3	7	3	3	0	1	2	0	1	3	0
							Maximum Daily Rainfall					0.79
							Maximum Monthly Rainfall					1.57
							Total Annual Rainfall					4.80
							Number of Days with Rain					23

Notes:

Annual rainfall in millimeters: 122

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at E. Fork Cave Cr. # 4 (gage # 4655) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.04	
2												
3												
4												
5												
6	.08											
7												
8	.12											
9												
10												
11					.04							
12												
13							.12					
14	.55										.04	
15										----		
16												
17												
18												
19				.28	.20							
20					.04							
21				.12			.12					
22			.12			.51						
23										.24		
24						.04				.16		
25										.08		
26												
27										----		
28			.12							----		
29			.04									
30										.31		
31		----		.16	----		----		----	.04		----
SUM	0.75	0.00	0.28	0.55	0.28	0.55	0.24	0.00	0.00	0.83	0.08	0.00
ACC	0.79	0.79	1.06	1.61	1.89	2.44	2.68	2.68	2.68	3.50	3.58	3.58
MAX	0.55	0.00	0.12	0.28	0.20	0.51	0.12	0.00	0.00	0.31	0.04	0.00
NO.	3	0	3	3	3	2	2	0	0	5	2	0
							Maximum Daily Rainfall					0.55
							Maximum Monthly Rainfall					0.83
							Total Annual Rainfall					3.58
							Number of Days with Rain					23

Notes:

Annual rainfall in millimeters: 91

Total down-time: 5.79 days

Gage 4655 down from 7/13 22:44 (68) through 7/16 11:39 (68) due to transmitter failure; no rain fell.

Gage 4655 down from 7/26 05:38 (80) through 7/29 11:39 (80) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E. Fork CC # 4 (gage # 4655) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2											1.50	
3				.59							.16	
4			.24	.55								
5			.16			.12						
6			.28		.04	.04						
7		.20										
8		.28										.08
9											.04	.16
10				.04	.04						.08	
11				.16	.71							
12					1.26							
13												
14												
15												
16												
17					.12							
18					.24					.08		
19					.83					.04		
20					.24							
21	.39	.04			.31							
22		.35			.04							
23							.31					
24				.08	.12	.04						
25						.04						
26				.71						.59		
27				.04								
28	.43		.08									
29			.79	.12	-----							
30					-----					.04		
31		-----		.04	-----		-----		-----	.55		-----
SUM	0.83	0.87	1.54	2.32	3.94	0.24	0.31	0.00	0.00	1.30	1.77	0.24
ACC	0.83	1.69	3.23	5.55	9.49	9.72	10.04	10.04	10.04	11.34	13.11	13.35
MAX	0.43	0.35	0.79	0.71	1.26	0.12	0.31	0.00	0.00	0.59	1.50	0.16
NO.	2	4	5	9	11	4	1	0	0	5	4	2
											Maximum Daily Rainfall	1.50
											Maximum Monthly Rainfall	3.94
											Total Annual Rainfall	13.35
											Number of Days with Rain	47

Notes:

Annual rainfall in millimeters: 339

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at E. Fork CC # 4 (gage # 4655) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2							1.57					
3						.04						
4						.55						
5						.35						
6												
7												
8												
9												
10	.67											
11			.20									
12		1.34										
13						.04				.12	.08	
14										.04		
15												
16												
17												
18											.08	.20
19											.12	.31
20												
21				.04								
22				.20								
23					.87							
24			.08	.04								
25				.04								
26			.04							.04		
27												
28												
29												
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.67	1.34	0.31	0.31	0.87	0.98	1.57	0.00	0.00	0.20	0.28	0.51
ACC	0.67	2.01	2.32	2.64	3.50	4.49	6.06	6.06	6.06	6.26	6.54	7.05
MAX	0.67	1.34	0.20	0.20	0.87	0.55	1.57	0.00	0.00	0.12	0.12	0.31
NO.	1	1	3	4	1	4	1	0	0	3	3	2
							Maximum Daily Rainfall					1.57
							Maximum Monthly Rainfall					1.57
							Total Annual Rainfall					7.05
							Number of Days with Rain					23

Notes:

Annual rainfall in millimeters: 179

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E. Fork Cave Creek #4 (gage # 4655) for Water Year 2002

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4			.59									
5		.04									.04	
6												.51
7							.16					.04
8												
9												.08
10												
11												
12			.04									
13												
14										.83		
15												
16												
17												
18												
19												
20												
21				-----	-----							
22				-----	-----							
23				-----	-----					.31		
24					-----							
25		.04			-----							
26					-----							
27												
28												
29					-----							
30				.04	-----							
31		-----			-----		-----		-----			-----
SUM	0.00	0.08	0.63	0.04	0.00	0.00	0.16	0.00	0.00	1.14	0.04	0.63
ACC	0.00	0.08	0.71	0.75	0.75	0.75	0.91	0.91	0.91	2.05	2.09	2.72
MAX	0.00	0.04	0.59	0.04	0.00	0.00	0.16	0.00	0.00	0.83	0.04	0.51
NO.	0	2	2	1	0	0	1	0	0	2	1	3
							Maximum Daily Rainfall					0.83
							Maximum Monthly Rainfall					1.14
							Total Annual Rainfall					2.72
							Number of Days with Rain					12

Notes:

Total annual rainfall in millimeters: 69 Total down-time: 10.59 days
 Gage 4655 down from 01/20 17:21 (18) through 01/24 07:31 (18) due to transmitter failure; no rain fell.
 Gage 4655 down from 02/20 07:05 (19) through 02/27 07:00 (19) due to antenna failure; no rain fell.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at E. Fork Cave Cr. #4 (gage # 4655) for Water Year 2000

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3											.04	
4												
5						.91		----				
6						1.14		----				
7						.28		----			.16	
8								----				
9								----				
10												
11												
12												
13												
14												
15												
16												
17											.71	
18	----											
19	----											
20												
21					.39		----					
22							----		.08			
23							----		.63			
24												
25												
26												
27												
28						.04						
29												
30										.08	.71	
31		----				----	----		----			----
SUM	0.00	0.00	0.00	0.00	0.39	2.36	0.00	0.00	0.71	0.08	1.61	0.00
ACC	0.00	0.00	0.00	0.00	0.39	2.76	2.76	2.76	3.46	3.54	5.16	5.16
MAX	0.00	0.00	0.00	0.00	0.39	1.14	0.00	0.00	0.63	0.08	0.71	0.00
NO.	0	0	0	0	1	4	0	0	2	1	4	0
											Maximum Daily Rainfall	1.14
											Maximum Monthly Rainfall	2.36
											Total Annual Rainfall	5.16
											Number of Days with Rain	12

Notes:

Annual rainfall in millimeters: 131 Total down-time: 13.73 days
 Gage 4655 down from 10/17 00:57 (0) through 10/20 06:58 (0) for unknown reason; no rain fell.
 Gage 4655 down from 4/20 00:12 (70) through 4/24 00:12 (70) for unknown reason; no rain fell.
 Gage 4655 down from 5/04 12:14 (70) through 5/10 23:47 (70) due to vandalism; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E.Fork Cave Cr. #4 (gage # 4655) for Water Year 1999

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1							.35						
2			.28		.04		.75		.04				
3													
4					.16		.08						
5					.39						.79		
6			.24		.04	----				.12			
7						----				.20			
8													
9													
10													
11													
12													
13							.12						
14										1.38		.24	
15			.12							.28			
16						.24		----					
17	----							----					
18										.67			
19												.20	
20													
21													
22										.24		.04	
23										.39			
24													
25	.39												
26	.24			----	----								
27				----	----						.47		
28		.24		----	----								
29				----	----					.20			
30	.75			----	----								
31		----			----		----		----			----	
SUM	1.38	0.24	0.63	0.00	0.63	0.24	1.30	0.00	0.04	3.46	1.26	0.47	
ACC	1.38	1.61	2.24	2.24	2.91	3.15	4.49	4.49	4.53	7.99	9.25	9.72	
MAX	0.75	0.24	0.28	0.00	0.39	0.24	0.75	0.00	0.04	1.38	0.79	0.24	
NO.	3	1	3	0	4	1	4	0	1	8	2	3	
												Maximum Daily Rainfall	1.38
												Maximum Monthly Rainfall	3.46
												Total Annual Rainfall	9.72
												Number of Days with Rain	30

Notes:

Annual rainfall in millimeters: 247 Total down-time: 17.6 days
 Gage down from 10/16 20:56 (0) through 10/18 20:56 (0) due to battery failure; no rain fell.
 Gage down from 1/25 20:55 (57) through 1/31 08:56 (57) for unknown reason; no rain fell.
 Gage down from 2/25 11:20 (74) through 3/01 09:54 (74) due to radio path problem; no rain fell
 Gage down from 3.05 21:33 (74) through 3/08 14:26 (74) for unknown reason; no rain fell.
 Gage down from 5/15 01:19 (114) through 5/18 12:56 (114) due to radio failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E.Fork Cave Cr. #4 (gage # 4655) for Water Year 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			.08				.24					
2												
3					.04							
4					1.81							
5												
6			.08			.04			----	1.02	.04	
7			.35						----	.28		
8			.16		.67							
9					.47							.08
10				.20								
11				.04							.04	.04
12							.20					
13								.08				
14		.04			.08	.08						
15					.67	.08					.04	
16											.04	
17					.59	.16				.28	.04	
18												
19												
20					.24							
21			.28									
22			.43									.12
23												
24					.67						.04	
25												
26						.63						
27												
28					----	.47						
29					----	.12						
30					----							
31		----			----		----		----			----
SUM	0.00	0.04	1.38	0.24	5.24	1.57	0.43	0.08	0.00	1.57	0.24	0.24
ACC	0.00	0.04	1.42	1.65	6.93	8.50	8.94	9.02	9.02	10.59	10.83	11.06
MAX	0.00	0.04	0.43	0.20	1.81	0.63	0.24	0.08	0.00	1.02	0.04	0.12
NO.	0	1	6	2	9	7	2	1	0	3	6	3
							Maximum Daily Rainfall					1.81
							Maximum Monthly Rainfall					5.28
							Total Annual Rainfall					11.06
							Number of Days with Rain					40

Notes:

Annual rainfall in millimeters: 281 Total down-time: 3.4 days
Gage down from 6/05 0:15 (229) through 6/08 8:57 (229) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E.Fork Cave Cr. #4 (gage # 4655) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1														
2							.08							
3				.12			.16				.28			
4				.04										
5														
6														
7														
8											.08			
9														
10														
11												.75		
12														
13				.51										
14	.12			.08										
15														
16														
17														
18														
19														
20														
21														
22		.04												
23														
24														
25														
26														
27					.67									
28					.31									
29														
30										.04				
31														
SUM	0.12	0.04	0.00	0.75	0.98	0.00	0.24	0.00	0.00	0.04	0.35	0.75		
ACC	0.12	0.16	0.16	0.91	1.89	1.89	2.13	2.13	2.13	2.17	2.52	3.27		
MAX	0.12	0.04	0.00	0.51	0.67	0.00	0.16	0.00	0.00	0.04	0.28	0.75		
NO.	1	1	0	4	2	0	2	0	0	1	2	1		
													Maximum Daily Rainfall	0.75
													Maximum Monthly Rainfall	0.98
													Total Annual Rainfall	3.27
													Number of Days with Rain	14

Notes:

Annual rainfall in millimeters: 83

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E.Fork CC #4 (gauge # 4655) for Water Year 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		.55			.79							
2		.04										.28
3												
4												
5		.12										
6		.08										.04
7												
8												
9										.12		
10												
11												.51
12												
13						.04						
14						.31				.16	.16	
15										.24		
16												
17												
18												
19												
20												
21												
22												
23												
24												
25					.39					.43		
26					.08							
27												
28												
29											.08	
30												
31				.24								
SUM	0.00	0.79	0.00	0.24	1.26	0.35	0.00	0.00	0.00	0.94	0.24	0.83
ACC	0.00	0.79	0.79	1.02	2.28	2.64	2.64	2.64	2.64	3.58	3.82	4.65
MAX	0.00	0.55	0.00	0.24	0.79	0.31	0.00	0.00	0.00	0.43	0.16	0.51
NO.	0	4	0	1	3	2	0	0	0	4	2	3
							Maximum Daily Rainfall					0.79
							Maximum Monthly Rainfall					1.26
							Total Annual Rainfall					4.65
							Number of Days with Rain					19

Notes:

Annual Rainfall in mm: 118

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E.Fork Cave Cr. #4 (gage # 4655) for Water Year 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4		0.04		0.67									
5			0.43	0.35		0.24							
6			0.28			0.63							
7								0.04				0.04	
8													
9													
10													
11						0.47							
12		0.59		0.20	0.04	0.04							
13					0.12								
14					0.04						0.08		
15	0.51				0.12								
16	0.04						0.08						
17				0.12									
18							0.08						
19							0.20				0.12		
20											0.24		
21					0.43						0.04		
22					0.51								
23			0.67										
24													
25			0.75	0.12									
26			0.43	0.04									
27												0.71	
28												1.10	
29			0.12										
30													
31													
SUM	0.55	0.63	2.68	1.50	1.26	1.38	0.35	0.04	0.00	0.00	0.47	1.85	
ACC	0.55	1.18	3.86	5.35	6.61	7.99	8.35	8.39	8.39	8.39	8.86	10.71	
MAX	0.51	0.59	0.75	0.67	0.51	0.63	0.20	0.04	0.00	0.00	0.24	1.10	
NO.	2	2	6	6	6	4	3	1	0	0	4	3	
												Maximum Daily Rainfall	1.10
												Maximum Monthly Rainfall	2.68
												Total Annual Rainfall	10.71
												Number of Days with Rain	37

Notes:

Annual rainfall in mm: 272

Flood Control District of Maricopa County ALERT System
Daily Rainfall at E.Fork CC #4 (gage # 4655) for Water Year 1994

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2												0.08	
3												0.04	
4												0.83	
5													
6													
7					0.31	0.31							
8					0.20								
9													
10													
11								0.16					
12						0.04							
13												0.31	
14											0.08		
15													
16													
17													
18										0.04			
19						0.20					0.24		
20						0.04						0.12	
21												0.16	
22													
23													
24								0.04					
25				0.08		0.51							
26						0.04	0.12						
27													
28										0.35			
29													
30													
31													
SUM				0.08	0.51	1.14	0.12	0.20	0.00	0.39	0.31	1.54	
ACC				0.08	0.59	1.73	1.85	2.05	2.05	2.44	2.76	4.29	
MAX				0.08	0.31	0.51	0.12	0.16	0.00	0.35	0.24	0.83	
NO.				1	2	6	1	2	0	2	2	6	
												Maximum Daily Rainfall	0.83
												Maximum Monthly Rainfall	1.54
												Partial Annual Rainfall	4.29
												Number of Days with Rain	22

Notes:

Partial annual rainfall total in mm: 109
 Gage installed 1/18/94.