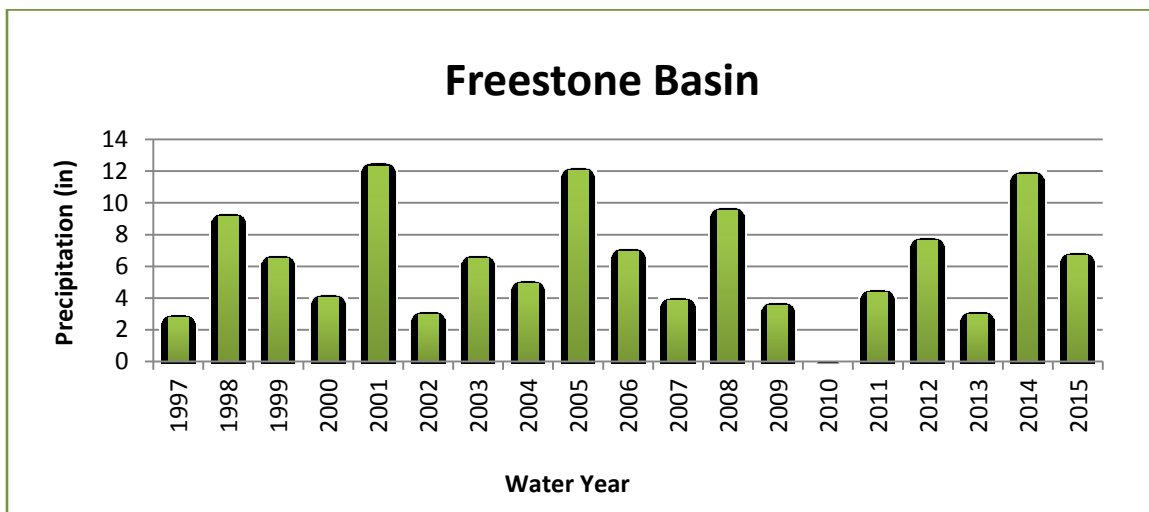


Station Name: Freestone Basin

Station ID Number History:	6605 since 12/19/95
Station Type:	Rain / Stage
Data Begins:	12/19/1995
Years Since Installation:	19.78 (as of 10/01/15)
Data Repeater:	Direct
County:	Maricopa
Latitude:	33° 21' 26.4" (33.35734)
Longitude:	111° 46' 21.9" (111.77274)
Elevation:	1,245 ft. msl
Location:	1/2 mi. SSE of Guadalupe Rd. and Lindsay Rd.
Data Record:	
Incomplete Months:	01/10
Missing Months:	None
Remarks:	Records Fair



Data Statistics for Period of Record:

Number of storms greater than 1 inch in 24 hours:	24	
Number of storms greater than 2 inches in 24 hours:	4	
Number of storms greater than 3 inches in 24 hours:	1	
		Approx. T_r
Greatest 15 minute total:	0.75" on 07/25/06	11 years
Greatest 1 hour total:	1.93" on 07/25/06	91 years
Greatest 3 hour total:	2.32" on 07/25/06	113 years
Greatest 6 hour total:	3.03" on 09/08/14	368 years
Greatest 24 hour total:	3.39" on 09/08/14	100 years
Greatest 72 hour total:	3.39" on 09/08/14	40 years

Water Year Totals: (Mean of Complete Water Years [18] = 6.57 inches)

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	M	2000	4.06
2019		2009	3.54	1999	6.46
2018		2008	9.49	1998	9.21
2017		2007	3.82	1997	2.76
2016		2006	6.93	1996	M
2015	6.65	2005	12.05	1995	
2014	11.77	2004	4.92	1994	
2013	2.95	2003	6.46	1993	
2012	7.60	2002	2.95	1992	
2011	4.33	2001	12.32	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 Freestone Basin (gage # 6605) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2						.31						
3			.04					.04		.04		
4			.71					.35				
5									.47			
6												
7											.16	
8	.24											
9												
10												
11											.16	
12				.04								
13			.20	.04								
14				.04						.08		.12
15								.87				
16												
17			.08									
18						.04				.04		
19	.04					.20						
20												
21												
22												.35
23												
24												
25											.04	
26				.04			.08					
27											.08	
28												
29				.16	----						.28	
30				.71	----							
31		----	.24		----		----		----		.39	----
SUM	0.28	0.00	1.26	1.02	0.00	0.55	0.08	1.26	0.47	0.16	1.10	0.47
ACC	0.28	0.28	1.54	2.56	2.56	3.11	3.19	4.45	4.92	5.08	6.18	6.65
MAX	0.24	0.00	0.71	0.71	0.00	0.31	0.08	0.87	0.47	0.08	0.39	0.35
NO.	2	0	5	6	0	3	1	3	1	3	6	2
	Maximum Daily Rainfall											0.87
	Maximum Monthly Rainfall											1.26
	Total Annual Rainfall											6.65
	Number of Days with Rain											32

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1						.87					.04		
2													
3											.08		
4													
5													
6													
7													
8												3.39	
9													
10													
11													
12											.35		
13										.87	.67		
14													
15													
16													
17												.16	
18											.04		
19											.04		
20			.51										
21		.51											
22		1.77											
23		.31											
24													
25													
26													
27												2.13	
28												.04	
29													
30													
31													
SUM	0.00	2.60	0.51	0.00	0.00	0.87	0.00	0.00	0.00	0.87	1.22	5.71	
ACC	0.00	2.60	3.11	3.11	3.11	3.98	3.98	3.98	3.98	4.84	6.06	11.77	
MAX	0.00	1.81	0.51	0.00	0.00	0.87	0.00	0.00	0.00	0.87	0.67	3.39	
NO.	0	3	1	0	0	1	0	0	0	1	6	4	
												Maximum Daily Rainfall	3.39
												Maximum Monthly Rainfall	5.71
												Total Annual Rainfall	11.77
												Number of Days with Rain	16

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2013

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2													
3													
4													
5													
6											.04	.16	
7													
8						.24	.04					.24	
9												.20	
10		.04											
11													
12													
13			.08										
14			.16										
15			.20								.04		
16													
17													
18			.04										
19										.08			
20					.20					.20			
21													
22													
23													
24													
25													
26				.67									
27				.12									
28													
29					----								
30			.04		----						.20		
31		----			----		----		----			----	
SUM	0.00	0.04	0.51	0.79	0.20	0.24	0.04	0.00	0.00	0.28	0.28	0.59	
ACC	0.00	0.04	0.55	1.34	1.54	1.77	1.81	1.81	1.81	2.09	2.36	2.95	
MAX	0.00	0.04	0.20	0.67	0.20	0.24	0.04	0.00	0.00	0.20	0.20	0.24	
NO.	0	1	5	2	1	1	1	0	0	2	3	3	
												Maximum Daily Rainfall	0.67
												Maximum Monthly Rainfall	0.79
												Total Annual Rainfall	2.95
												Number of Days with Rain	19

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3										.08		
4				.04								.12
5												.20
6												
7												
8					.16							
9					.39							
10												
11							.24					
12												
13												
14			.04									
15												
16			.47									
17			.08		.16							
18												
19												
20												
21								.08		.12		
22			.20	.04				.16				
23			.28									
24												
25			.12									
26		.20	.24			----						
27		.12				----						
28						----						
29						----						
30						----						
31		----				----	----		----		.04	----
SUM	0.00	0.31	1.42	0.08	0.71	0.00	0.24	0.24	0.00	0.20	0.04	0.31
ACC	0.00	0.31	1.73	1.81	2.52	2.52	2.76	2.99	2.99	3.19	3.23	3.54
MAX	0.00	0.20	0.47	0.04	0.39	0.00	0.24	0.16	0.00	0.12	0.04	0.20
NO.	0	2	7	2	3	0	1	2	0	2	1	2
							Maximum Daily Rainfall					0.47
							Maximum Monthly Rainfall					1.42
							Total Annual Rainfall					3.54
							Number of Days with Rain					22

Notes:

Annual rainfall in millimeters: 90 Total down-time: 6.00 days
Gage 6605 down from 3/25 11:35 (64) through 3/31 11:35 (64) due to failure of Sacaton repeater, no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.12						----			
2												
3												
4	----				.39							
5	----			.04								
6				.04							.16	
7			.31	.63							.75	
8			.55								.04	
9												
10			.24							1.02		
11			.16							.31		.04
12												
13												
14											.08	
15					.31							
16												
17												
18												
19												
20					.04							
21					.04							
22								.63				
23								.12			.04	
24								.04			.04	
25									.04		.08	
26									.04			
27				1.22							.04	
28				.12							.51	
29											.04	
30		1.22			----							
31		----			----		----		----			----
SUM	0.00	1.22	1.38	2.05	0.79	0.00	0.00	0.79	0.08	1.34	1.77	0.04
ACC	0.00	1.22	2.60	4.65	5.43	5.43	5.43	6.22	6.30	7.68	9.45	9.49
MAX	0.00	1.22	0.55	1.22	0.39	0.00	0.00	0.63	0.04	1.02	0.75	0.04
NO.	0	1	5	5	4	0	0	3	2	2	10	1
											Maximum Daily Rainfall	1.22
											Maximum Monthly Rainfall	2.05
											Total Annual Rainfall	9.49
											Number of Days with Rain	33

Notes:

Annual rainfall in millimeters: 241 Total down-time: 5.42 days
Gage 6605 down from 10/02 23:42 (0) through 10/06 05:40 (0) due to data collision; no rain fell.
Gage 6605 down from 5/31 08:57 (158) through 6/02 13:07 (158) due to transmitter failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.39	----
2												
3												
4												
5												
6	.24											
7												
8	.04											
9												
10												
11				----								
12				----			.12					
13				----	.04						.04	
14	.08			----	.04						.16	
15				----								
16				----								
17												
18												
19				.16	.24					.04		
20					.04					.08		
21				.08			.08			.08		
22			.24			1.14						
23												
24						.08						
25										.16	.08	
26												
27			.04									
28												
29												
30										.08		
31		----		.08	----	----	----		----		----	----
SUM	0.35	0.00	0.28	0.31	0.35	1.22	0.20	0.00	0.00	0.43	0.67	0.00
ACC	0.35	0.35	0.63	0.94	1.30	2.52	2.72	2.72	2.72	3.15	3.82	3.82
MAX	0.24	0.00	0.24	0.16	0.24	1.14	0.12	0.00	0.00	0.16	0.39	0.00
NO.	3	0	2	3	4	2	2	0	0	5	4	0
											Maximum Daily Rainfall	1.14
											Maximum Monthly Rainfall	1.22
											Total Annual Rainfall	3.82
											Number of Days with Rain	25

Notes:

Annual rainfall in millimeters: 97

Total down-time: 10.17 days

Gage 6605 down from 1/10 10:40 (16) through 1/17 08:51 (16) due to transmitter failure; no rain fell.

Gage 6605 down from 8/30 14:42 (97) through 9/02 20:42 (97) for unknown reason; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												.75
3												.04
4												
5										.04		
6												
7												.08
8												
9												.08
10												
11						1.93						
12						.04					.43	
13												
14												
15										.20		
16												
17	.08											
18	.20				----							
19					----	.08						
20					----							
21											.04	
22												
23												
24									----		.24	
25									----	2.32	----	
26											----	
27										.12	----	
28						.04						
29					----							
30					----					.16		
31		----			----		----		----			----
SUM	0.28	0.00	0.00	0.00	0.00	2.09	0.00	0.00	0.00	2.83	0.71	0.94
ACC	0.28	0.28	0.28	0.28	0.28	2.44	2.44	2.44	2.44	5.28	5.98	6.93
MAX	0.20	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00	2.32	0.43	0.75
NO.	2	0	0	0	0	4	0	0	0	5	3	4
							Maximum Daily Rainfall					2.32
							Maximum Monthly Rainfall					2.83
							Total Annual Rainfall					6.93
							Number of Days with Rain					18

Notes:

Annual rainfall in millimeters: 176 Total down-time: 6.71 days
Gage 6605 down from 6/23 05:50 (62) through 6/26 05:50 (62); probable data collision problem corrected by staggering the reports; no rain fell.
Gage 6605 down from 8/24 15:07 (152) through 8/28 08:16 (152) for unknown reason; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.04	
2											1.26	
3				1.22							.08	
4			.35	.39								
5			.20			.24						
6			.24			.35						
7											.31	
8											.12	
9											.63	.04
10				.04	.24							
11					1.06							
12					.59							
13												
14												
15		.04										
16												
17					.12							
18					.24							
19					1.22							
20												
21	.28				.12							
22		.20			.08					.12		
23							.16			.16		
24				.08								
25										.31		
26				.31								
27												
28	.43											
29			.75		-----							
30			.04		-----							
31		-----			-----		-----		-----			-----
SUM	0.71	0.24	1.57	2.05	3.66	0.59	0.16	0.00	0.00	0.59	2.44	0.04
ACC	0.71	0.94	2.52	4.57	8.23	8.82	8.98	8.98	8.98	9.57	12.01	12.05
MAX	0.43	0.20	0.75	1.22	1.22	0.35	0.16	0.00	0.00	0.31	1.26	0.04
NO.	2	2	5	5	8	2	1	0	0	3	6	1
											Maximum Daily Rainfall	1.26
											Maximum Monthly Rainfall	3.66
											Total Annual Rainfall	12.05
											Number of Days with Rain	35

Notes:

Annual rainfall in millimeters: 306

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2						.04	.83					
3					.08							.04
4						.55						
5						.16						
6											.08	
7												
8												
9												
10	.35						.04					
11		.04	.12									
12		.55										
13		.04				.04						
14										.04		
15												
16												
17												
18												.08
19												.16
20												
21				.16								
22				.43								
23				.08	.55							
24			.12	.04						.08		
25				.08								
26			.12									
27					.04							
28												
29												
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.35	0.63	0.35	0.79	0.67	0.79	0.87	0.00	0.00	0.12	0.08	0.28
ACC	0.35	0.98	1.34	2.13	2.80	3.58	4.45	4.45	4.45	4.57	4.65	4.92
MAX	0.35	0.55	0.12	0.43	0.55	0.55	0.83	0.00	0.00	0.08	0.08	0.16
NO.	1	3	3	5	3	4	2	0	0	2	1	3
							Maximum Daily Rainfall					0.83
							Maximum Monthly Rainfall					0.87
							Total Annual Rainfall					4.92
							Number of Days with Rain					27

Notes:

Annual rainfall in millimeters: 125

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2003

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.04	
2						.04						
3												
4												
5												
6												
7												
8				.24								
9												
10												
11												
12					.08							
13					.87							
14					.28					.16		
15					.08		.12					
16					.04	.35						
17						.16						
18												
19										.04		
20												
21												
22			.04									
23			.55							.04		
24												.12
25					.47							
26	.12				.12					.98		
27					.08					.08		
28					.08							
29		.47			-----					.71		
30		.12			-----							
31		-----			-----		-----		-----			-----
SUM	0.12	0.59	0.59	0.24	2.09	0.55	0.12	0.00	0.00	0.71	1.34	0.12
ACC	0.12	0.71	1.30	1.54	3.62	4.17	4.29	4.29	4.29	5.00	6.34	6.46
MAX	0.12	0.47	0.55	0.24	0.87	0.35	0.12	0.00	0.00	0.71	0.98	0.12
NO.	1	2	2	1	9	3	1	0	0	1	6	1
	Maximum Daily Rainfall											0.98
	Maximum Monthly Rainfall											2.09
	Total Annual Rainfall											6.46
	Number of Days with Rain											27

Notes:

Total annual rainfall in millimeters: 164

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 2002

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2										-----			
3										-----			
4			.83							-----			
5										-----			
6	.16									-----		.43	
7							.08			-----			
8						.08						.04	
9												.16	
10				.08								.04	
11			.08										
12													
13													
14													
15			.08							.04			
16													
17													
18													
19													
20													
21													
22													
23										.51			
24										.04			
25													
26													
27													
28											.24		
29					-----								
30				.08	-----								
31		-----			-----		-----		-----			-----	
SUM	0.16	0.00	0.98	0.16	0.00	0.08	0.08	0.00	0.00	0.59	0.24	0.67	
ACC	0.16	0.16	1.14	1.30	1.30	1.38	1.46	1.46	1.46	2.05	2.28	2.95	
MAX	0.16	0.00	0.83	0.08	0.00	0.08	0.08	0.00	0.00	0.51	0.24	0.43	
NO.	1	0	3	2	0	1	1	0	0	3	1	4	
												Maximum Daily Rainfall	0.83
												Maximum Monthly Rainfall	0.98
												Total Annual Rainfall	2.95
												Number of Days with Rain	16

Notes:

Total annual rainfall in millimeters: 75 Total down-time: 6.84 days
 Gage 6605 down from 07/01 14:46 (37) through 07/08 10:59 (37) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2							.04					
3							.20				.63	
4												
5												
6												.04
7												
8											.24	.04
9										.04		
10												
11												
12												
13				.43								
14				.08								
15												
16												
17												
18												
19												
20												
21												
22		.12										
23												
24												
25												
26				.12							.04	
27		.04		.04	.16							
28					.20							
29		.08										
30											.24	
31												
SUM	0.00	0.24	0.00	0.67	0.35	0.00	0.24	0.00	0.00	0.04	1.14	0.08
ACC	0.00	0.24	0.24	0.91	1.26	1.26	1.50	1.50	1.50	1.54	2.68	2.76
MAX	0.00	0.12	0.00	0.43	0.20	0.00	0.20	0.00	0.00	0.04	0.63	0.04
NO.	0	3	0	4	2	0	2	0	0	1	4	2
							Maximum Daily Rainfall					0.63
							Maximum Monthly Rainfall					1.14
							Total Annual Rainfall					2.76
							Number of Days with Rain					18

Notes:

Annual rainfall in millimeters: 70 Total down-time: 4.5 days
Gage down from 10/25/96 11:51 (0) through 10/29/96 23:51 (0) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Freestone Basin (gage # 6605) for Water Year 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1					.43								
2												.67	
3													
4													
5												.16	
6										.04		.16	
7													
8													
9										.16			
10												.08	
11												.51	
12													
13						.12						.04	
14						.08				.16			
15													
16													
17													
18													
19													
20													
21													
22											.04		
23													
24													
25					.28					.39			
26					.12								
27										.04	.28		
28													
29													
30													
31				.24									
SUM	----	----	0.00	0.24	0.83	0.20	0.00	0.00	0.00	0.79	0.31	1.61	
ACC	----	----	0.00	0.24	1.06	1.26	1.26	1.26	1.26	2.05	2.36	3.98	
MAX	----	----	0.00	0.24	0.43	0.12	0.00	0.00	0.00	0.39	0.28	0.67	
NO.	----	----	0	1	3	2	0	0	0	5	2	6	
												Maximum Daily Rainfall	0.67
												Maximum Monthly Rainfall	1.61
												Partial Annual Rainfall	3.98
												Number of Days with Rain	19

Notes:

Partial annual rainfall in mm: 101

Gage installed 12/19/1995.

Gage down from 6/07 11:17 (32) through 6/10 09:58 (32) due to electrical failure; no rain fell.

Gage down from 7/02 22:07 (32) through 7/07 04:41 (33) for unknown reason; assigned 1 mm to 7/06.