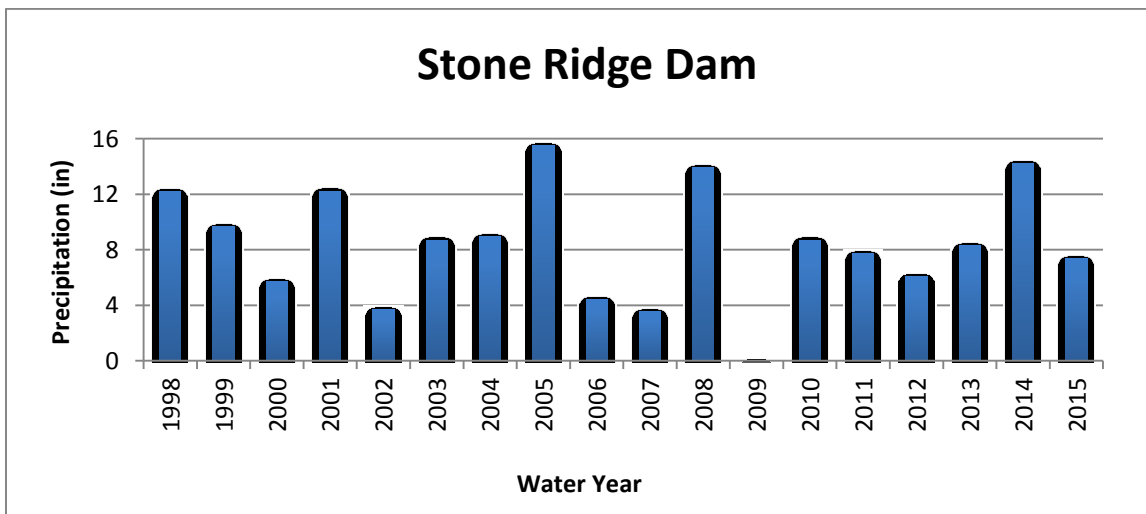


Station Name: Stone Ridge Dam

Station ID Number History:	5965 since 12/11/96
Station Type:	Rain / Stage
Data Begins:	12/11/1996
Years Since Installation:	18.80 (as of 10/01/15)
Data Repeater:	Thompson Peak
County:	Maricopa
Latitude:	33 35' 40.1" (33.59448)
Longitude:	111 44' 00.0" (111.73332)
Elevation:	1,710 ft. msl
Location:	1/4 mi. W of Cholla Dr. & Fountain Hills Blvd.
Data Record:	
Incomplete Months:	08/09
Missing Months:	None
Remarks:	Records Fair



Data Statistics for Period of Record:

Number of storms greater than 1 inch in 24 hours:	40	
Number of storms greater than 2 inches in 24 hours:	7	
Number of storms greater than 3 inches in 24 hours:	1	
		Approx. T _r
Greatest 15 minute total:	0.87" on 09/08/14	15 years
Greatest 1 hour total:	1.46" on 07/29/01	15 years
Greatest 3 hour total:	1.77" on 09/08/14	18 years
Greatest 6 hour total:	2.80" on 09/08/14	120 years
Greatest 24 hour total:	3.07" on 09/08/14	23 years
Greatest 72 hour total:	3.07" on 09/08/14	8 years

Water Year Totals: (Mean of Complete Water Years [17] = 8.89 inches)

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	8.70	2000	5.71
2019		2009	M	1999	9.65
2018		2008	13.94	1998	12.20
2017		2007	3.54	1997	M
2016		2006	4.45	1996	
2015	7.40	2005	15.51	1995	
2014	14.25	2004	8.98	1994	
2013	8.31	2003	8.70	1993	
2012	6.06	2002	3.70	1992	
2011	7.76	2001	12.24	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 Stone Ridge Dam (gage # 5965) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2						.35						.04
3										.08		
4			.67					.79				
5									.24			
6												
7											.16	
8	.08											
9	.16											
10												
11				.04								
12												
13			.24	.08								.35
14												.12
15								.63				
16								.04	----	----		
17			.08									
18						.04						
19						.24						
20						.08						
21												
22												.04
23												
24							.04					
25											.12	
26				.12			.24					
27												
28												
29				.12	----				.20			
30				1.34	----				.04			
31		----	.31		----		----		----	.35		----
SUM	0.24	0.00	1.30	1.69	0.00	0.71	0.28	1.46	0.47	0.43	0.28	0.55
ACC	0.24	0.24	1.54	3.23	3.23	3.94	4.21	5.67	6.14	6.57	6.85	7.40
MAX	0.16	0.00	0.67	1.34	0.00	0.35	0.24	0.79	0.24	0.35	0.16	0.35
NO.	2	0	4	5	0	4	2	3	3	2	2	4
Maximum Daily Rainfall												1.34
Maximum Monthly Rainfall												1.69
Total Annual Rainfall												7.40
Number of Days with Rain												31

Gage 5965 down from 4/15 21:15 (100) through 4/19 09:15 (100) due to repeater failure; no rain fell.
 Gage 5965 down from 4/20 21:15 (100) through 4/23 15:15 (100) due to repeater failure; no rain fell.
 Gage 5965 down from 6/15 15:14 (150) through 6/17 21:14 (150) due to data collision; no rain fell.
 Gage 5965 down from 7/15 10:10 (158) through 7/20 07:32 (158) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System
[Daily Rainfall](#) at Stone Ridge Dam (gage # 5965) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1					----	2.20						
2					----	.04					.31	
3											.16	
4												
5												
6												
7												
8										.35		3.07
9										.04		
10												
11											.51	
12											.04	
13											.12	
14												
15										.04		
16												.04
17												
18												
19											.83	
20			.79									
21		.43									.04	
22		1.85										
23		.39										
24												
25												
26										.47		
27										.04		2.44
28												.04
29						----						
30						----						
31		----				----	----	----	----			----
SUM	0.00	2.68	0.79	0.00	0.00	2.24	0.00	0.00	0.00	0.94	2.01	5.59
ACC	0.00	2.68	3.46	3.46	3.46	5.71	5.71	5.71	5.71	6.65	8.66	14.25
MAX	0.00	1.85	0.79	0.00	0.00	2.20	0.00	0.00	0.00	0.47	0.83	3.07
NO.	0	3	1	0	0	2	0	0	0	5	7	4
							Maximum Daily Rainfall					3.07
							Maximum Monthly Rainfall					5.59
							Total Annual Rainfall					14.25
							Number of Days with Rain					22

Gage 5965 down from 1/31 22:46 (88) through 2/03 12:02 (88) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 2013

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											----	
2												
3												
4												
5												
6											.08	
7												
8						1.57						.24
9					.04	.04	.04					.43
10		.12										
11	.16				.31					.04		
12	.04											
13			.12									
14			.39									
15			.59									
16												
17												
18												
19			.08									
20					.63					.08		
21										.08		
22												
23												
24										.12		
25										.08		
26				2.05								
27				.12							.24	
28				.08							.43	
29						----					.04	
30			.04			----						
31		----	.04			----	----		----			----
SUM	0.20	0.12	1.26	2.24	0.98	1.61	0.04	0.00	0.00	0.39	0.79	0.67
ACC	0.20	0.31	1.57	3.82	4.80	6.42	6.46	6.46	6.46	6.85	7.64	8.31
MAX	0.16	0.12	0.59	2.05	0.63	1.57	0.04	0.00	0.00	0.12	0.43	0.43
NO.	2	1	6	3	3	2	1	0	0	5	4	2
	Maximum Daily Rainfall											2.05
	Maximum Monthly Rainfall											2.24
	Total Annual Rainfall											8.31
	Number of Days with Rain											29

Gage 5965 down from 7/31 16:44 (174) through 8/02 22:44 (174) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3			.12									
4	.04	.24										
5		.31										
6												
7		.31										.39
8											.04	
9												
10												.47
11												.04
12			.51									
13		.08	1.10									
14			.04		.12					.12		
15												
16												
17											.04	
18			.04			.47						
19												
20												
21		.04								.04	.12	
22											.04	
23											.75	
24												
25												
26							.12					
27												
28										.28		
29										.20		
30					----							
31		----			----		----		----			----
SUM	0.04	0.98	1.81	0.00	0.12	0.47	0.12	0.00	0.00	0.63	0.99	0.91
ACC	0.04	1.02	2.83	2.83	2.95	3.43	3.54	3.54	3.54	4.17	5.16	6.06
MAX	0.04	0.31	1.10	0.00	0.12	0.47	0.12	0.00	0.00	0.28	0.75	0.47
NO.	1	5	5	0	1	1	1	0	0	4	5	3
							Maximum Daily Rainfall					1.10
							Maximum Monthly Rainfall					1.81
							Total Annual Rainfall					6.06
							Number of Days with Rain					26

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3										.51		
4	.04											
5	1.18											
6	.12											
7												
8												
9							.39					
10												.16
11										.12		
12												
13												.04
14												
15												
16			.28								.08	
17												
18								.08			.79	
19					.43							
20					.20							
21	.28	.12				.24						
22			.12									
23			.08									
24										.28		
25												
26												
27					.75							
28												
29			.91		----							
30			.43		----							
31		----			----		----		----	.16		----
SUM	1.61	0.12	1.81	0.00	1.38	0.24	0.39	0.08	0.00	1.06	0.87	0.20
ACC	1.61	1.73	3.54	3.54	4.92	5.16	5.55	5.63	5.63	6.69	7.56	7.76
MAX	1.18	0.12	0.91	0.00	0.75	0.24	0.39	0.08	0.00	0.51	0.79	0.16
NO.	4	1	5	0	3	1	1	1	0	4	2	2
							Maximum Daily Rainfall					1.18
							Maximum Monthly Rainfall					1.81
							Total Annual Rainfall					7.76
							Number of Days with Rain					24

Annual Total (mm): 197

Days Down: 0

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6						.04						
7			.39		.16	.43						
8						.08						
9						.12				.31		
10												
11			----									
12			----									
13			.04									
14												
15												
16												
17											.39	
18				.08								
19				1.06		----						
20					.16	----						
21				1.93	.35	----					.04	
22			.16	.28	.36						.16	.04
23				.11		.04						
24												
25												
26												
27												
28				.04	.71						.31	
29					----					.35		
30				----	----					.08		
31		----		----	----		----		----	.43		----

SUM	0.00	0.00	0.59	3.50	1.74	0.71	0.00	0.00	0.00	1.18	0.91	0.04
ACC	0.00	0.00	0.63	4.13	5.87	6.57	6.57	6.57	6.57	7.76	8.66	8.70
MAX	0.00	0.00	0.39	1.93	0.71	0.43	0.00	0.00	0.00	0.43	0.39	0.04
NO.	0	0	3	6	5	5	0	0	0	4	4	1
										Maximum Daily Rainfall		1.93
										Maximum Monthly Rainfall		3.50
										Total Annual Rainfall		8.70
										Number of Days with Rain		28

Notes:

Annual rainfall in millimeters: 221
Gage 5965 down from 12/10 10:35 (11) through 12/14 10:35 (12) due to repeater failure; assigned 1mm to 12/13.
Gage 5965 down from 01/28 23:56 (105) through 02/01 10:32 (105); failure not documented; no rain fell.
Gage 5965 down from 03/18 04:29 (166) through 03/22 04:29 (166) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2										.08		
3												
4				.24								
5				.04								.16
6												
7					.04							
8					1.02							.08
9					.83							.04
10												
11							.31					
12							.04					
13												
14												
15												
16			.20									
17			.08		.20							
18			.08									
19												
20												
21								.20				
22			.20	.08				.20				
23			.16							.31		
24										.28		
25			.75									
26		.28	.43									
27		.39										
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	0.67	1.89	0.35	2.09	0.00	0.35	0.39	0.00	0.67	0.00	0.28
ACC	0.00	0.67	2.56	2.91	5.00	5.00	5.35	5.75	5.75	6.42	6.42	6.69
MAX	0.00	0.39	0.75	0.24	1.02	0.00	0.31	0.20	0.00	0.31	0.00	0.16
NO.	0	2	7	3	4	0	2	2	0	3	0	3
	Maximum Daily Rainfall											1.02
	Maximum Monthly Rainfall											2.09
	Partial Annual Rainfall											6.69
	Number of Days with Rain											26

Notes:

Partial annual rainfall in millimeters: 170

Total down-time: Unknown

Gage 5965 – plugged funnel found in September; inaccurate monthly (Aug) and annual totals.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at StoneRidge Dam (gage # 5965) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5											.04	
6	.16											
7												
8	.08											
9												
10												
11												
12							.16					
13					.08		.16					
14	.08										.24	
15												
16												
17												
18			.04									
19				.16	.24					.08		
20												
21				.31			.08			.04		
22			.08			.71				.04		.04
23						.04						
24						.12						
25												
26												
27												
28			.08									
29										.04		
30				.16						.24		
31		----		.04	----		----		----	.04		----

SUM	0.31	0.00	0.20	0.67	0.31	0.87	0.39	0.00	0.00	0.47	0.28	0.04
ACC	0.31	0.31	0.51	1.18	1.50	2.36	2.76	2.76	2.76	3.23	3.50	3.54
MAX	0.16	0.00	0.08	0.31	0.24	0.71	0.16	0.00	0.00	0.24	0.24	0.04
NO.	3	0	3	4	2	3	3	0	0	6	2	1
							Maximum Daily Rainfall					0.71
							Maximum Monthly Rainfall					0.87
							Total Annual Rainfall					3.54
							Number of Days with Rain					27

Notes:

Annual rainfall in millimeters: 90

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2													
3												.04	
4												.39	
5													
6													
7												.08	
8													
9													
10													
11						1.57					.39		
12						.12					.39		
13													
14													
15													
16													
17	.16												
18													
19						.24							
20													
21													
22											.04		
23													
24											.04		
25										.28			
26										.20			
27													
28													
29										.04			
30									.08	.39			
31													
SUM	0.16	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.08	0.91	0.87	0.51	
ACC	0.16	0.16	0.16	0.16	0.16	2.09	2.09	2.09	2.17	3.07	3.94	4.45	
MAX	0.16	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.08	0.39	0.39	0.39	
NO.	1	0	0	0	0	3	0	0	1	4	4	3	
												Maximum Daily Rainfall	1.57
												Maximum Monthly Rainfall	1.93
												Total Annual Rainfall	4.45
												Number of Days with Rain	16

Notes:

Annual rainfall in millimeters: 113

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System Daily Rainfall at StoneRidge Dam (gage # 5965) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2											1.42	
3				1.26							.16	
4			.24	.91								
5			.12	.04		.59						
6			.43			.08						
7												
8		.04									.20	
9												
10					.16							
11				.16	1.54							
12					.79						.24	
13												
14												
15		.08			.04							
16												
17					.08							
18					.63							
19					1.10							
20					.47							
21	.39	.12			.04							
22		.16			.04					.08	.08	
23							.28		.04	.08		
24				.04			.08			.08		
25												
26				.79								
27				.04								
28	.63		.04									
29			.87	.08	-----							
30			.16		-----							
31		-----			-----		-----		-----	.59		-----

SUM	1.02	0.39	1.85	3.31	4.88	0.67	0.35	0.00	0.04	0.83	2.09	0.00
ACC	1.02	1.42	3.27	6.57	11.46	12.17	12.52	12.52	12.56	13.39	15.51	15.51
MAX	0.63	0.16	0.87	1.26	1.54	0.59	0.28	0.00	0.04	0.59	1.42	0.00
NO.	2	4	6	8	10	2	2	0	1	4	5	0

Maximum Daily Rainfall 1.54
 Maximum Monthly Rainfall 4.88
 Total Annual Rainfall 15.51
 Number of Days with Rain 44

Notes:

Annual rainfall in millimeters: 394 Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1							.04					
2							1.06					
3					.04		.04					.59
4						.83						.08
5						1.18						
6												
7												
8												
9												
10	.24											
11			.08			.20						
12		.94	.08									
13						.12				.08	.08	
14										.35		
15												
16												
17												
18											.04	.08
19											.04	1.22
20												
21				.20								
22				.47								
23					.47							
24				.08								
25				.08								
26			.12							.04		
27					.04							
28												.08
29												
30					-----							
31		-----			-----		-----		-----			
SUM	0.24	0.94	0.28	0.83	0.55	2.32	1.14	0.00	0.00	0.47	0.16	2.05
ACC	0.24	1.18	1.46	2.28	2.83	5.16	6.30	6.30	6.30	6.77	6.93	8.98
MAX	0.24	0.94	0.12	0.47	0.47	1.18	1.06	0.00	0.00	0.35	0.08	1.22
NO.	1	1	3	4	3	4	3	0	0	3	3	5
							Maximum Daily Rainfall					1.22
							Maximum Monthly Rainfall					2.32
							Total Annual Rainfall					8.98
							Number of Days with Rain					30

Notes:

Annual rainfall in millimeters: 228

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 2000

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2				.04								
3												
4						.04						
5						.98						
6						1.65						
7						.28					.20	
8												
9												
10												
11												
12												
13												
14												
15												
16												
17											.16	
18												
19												
20												
21					.39					.08		
22												
23					.04				.08			
24											.12	
25												
26												
27												
28						.28			.67			
29									.59			
30					----		----			.08	.04	
31		----			----		----		----			----
SUM	0.00	0.00	0.00	0.04	0.43	3.23	0.00	0.00	1.34	0.16	0.51	0.00
ACC	0.00	0.00	0.00	0.04	0.47	3.70	3.70	3.70	5.04	5.20	5.71	5.71
MAX	0.00	0.00	0.00	0.04	0.39	1.65	0.00	0.00	0.67	0.08	0.20	0.00
NO.	0	0	0	1	2	5	0	0	3	2	4	0
	Maximum Daily Rainfall											1.65
	Maximum Monthly Rainfall											3.23
	Total Annual Rainfall											5.71
	Number of Days with Rain											17

Notes:

Annual rainfall in millimeters: 145

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Stone Ridge Dam (gage # 5965) for Water Year 1999

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.59					
2			.28				.59					----
3												----
4					.35		.28					----
5					.04						.12	----
6			.28		.04					.12		----
7						.16	.04					
8												
9		.08										
10										.59		
11												
12												
13							.04					
14										.39		.35
15										.16		.39
16												
17												
18												
19											.08	.24
20												
21												
22										.24		
23										.91		.16
24										.04		
25	.83											
26	.63											
27									----		.20	
28		.51							----			
29					----							
30	.04				----							
31		----			----		----		----		.87	----
SUM	1.50	0.59	0.55	0.00	0.43	0.16	1.54	0.00	0.00	2.44	1.26	1.14
ACC	1.50	2.09	2.64	2.64	3.11	3.27	4.80	4.80	4.80	7.24	8.50	9.65
MAX	0.83	0.51	0.28	0.00	0.35	0.16	0.59	0.00	0.00	0.91	0.87	0.39
NO.	3	2	2	0	3	1	5	0	0	7	4	4
							Maximum Daily Rainfall					0.91
							Maximum Monthly Rainfall					2.44
							Total Annual Rainfall					9.65
							Number of Days with Rain					31

Notes:

Annual rainfall in millimeters: 245 Total down-time: 8.20 days
 Gage down from 6/26 18:43 (122) through 6/29 09:30 (122) for unknown reason; no rain fell.
 Gage down from 9/01 22:12 (216) through 9/07 12:14 (216) due to transmitter failure; no rain fell.

