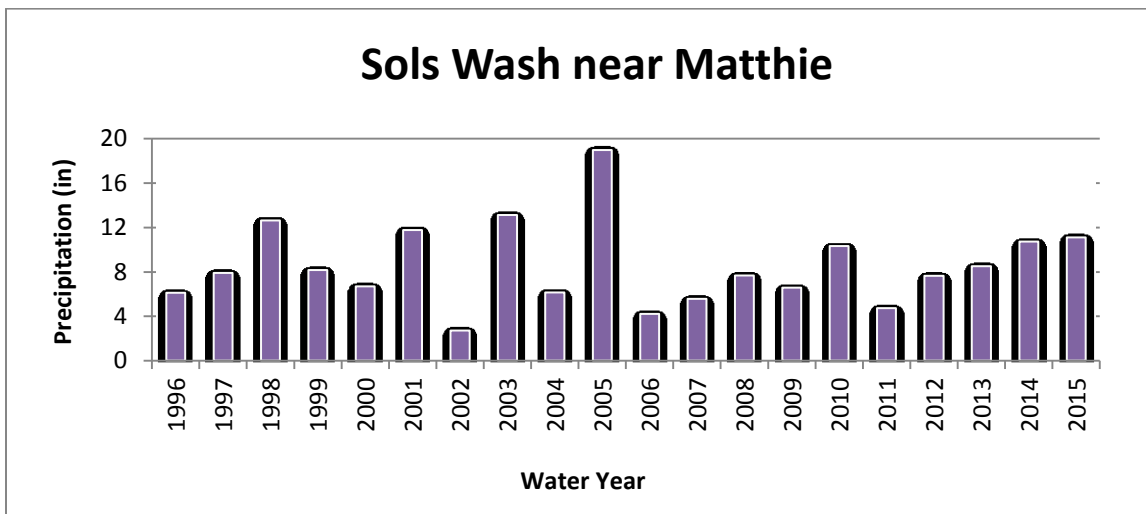




Station Name: Sols Wash near Matthie

Station ID Number History:	7040 since 08/04/95
Data Begins:	08/04/1995
Years Since Installation:	20.16 (as of 10/01/15)
Data Repeater:	Yarnell Hill
County:	Maricopa
Latitude:	33° 59' 14.8" (33.98743)
Longitude:	112° 47' 34.7" (112.79296)
Elevation:	2,245 ft. msl
Location:	Sols Wash at SPRR bridge, 2 mi. N. of Wickenburg Airport
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:	43	
Number of storms greater than 2 inches in 24 hours:	7	
Number of storms greater than 3 inches in 24 hours:	1	
		Approx. Tr
Greatest 15 minute total:	1.02" on 09/04/03	13 years
Greatest 1 hour total:	2.01" on 07/18/15	28 years
Greatest 3 hour total:	2.52" on 07/18/15	39 years
Greatest 6 hour total:	2.56" on 07/18/15	22 years
Greatest 24 hour total:	3.31" on 01/21/10	19 years
Greatest 72 hour total:	4.49" on 01/21/10	46 years

Water Year Totals: (Mean of Complete Water Years [20] = 8.56 inches)

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	10.31	2000	6.69
2019		2009	6.57	1999	8.15
2018		2008	7.68	1998	12.64
2017		2007	5.55	1997	7.91
2016		2006	4.21	1996	6.10
2015	11.10	2005	18.98	1995	M
2014	10.71	2004	6.14	1994	
2013	8.50	2003	13.11	1993	
2012	7.64	2002	2.72	1992	
2011	4.72	2001	11.77	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 Sols Wash near Matthie (gage # 7040) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						.20				.04		
2						1.10						
3			.20							.04		
4			1.14					.55				
5			.08									
6												.04
7												
8												
9	.20											
10				.12					.04			
11											.16	
12											.04	
13			.08	.16								.08
14								.04				.31
15			.04					.35				
16												
17			.16		----					.08		
18					----					2.56		
19						.47						
20												
21												.28
22												
23												
24												
25							.08					
26							.20					
27				.08							.04	
28					.04							
29				.16	----				.94			
30				.55	----							
31		----	.12	.20	----		----		----	.16		----
SUM	0.20	0.00	1.81	1.26	0.04	1.77	0.28	0.94	0.98	2.87	0.24	0.71
ACC	0.20	0.20	2.01	3.27	3.31	5.08	5.35	6.30	7.28	10.16	10.39	11.10
MAX	0.20	0.00	1.14	0.55	0.04	1.10	0.20	0.55	0.94	2.56	0.16	0.31
NO.	1	0	7	6	1	3	2	3	2	5	3	4
							Maximum Daily Rainfall					2.56
							Maximum Monthly Rainfall					2.87
							Total Annual Rainfall					11.10
							Number of Days with Rain					37

Gage 7040 down from 2/16 09:05 (83) through 2/19 03:05 (83) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sols Wash near Matthie (gage # 7040) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						.83					.20	
2											.63	
3										.35	1.06	
4										.12		
5												
6										.47		
7												
8												1.18
9												.04
10	.12											
11												
12											1.26	
13										.04	.04	
14										.08		
15												
16												
17												.04
18											.12	
19	----		.12								.04	
20			.39									
21											.04	
22		1.65										
23		.24										
24		.35										
25											.98	
26												
27												.20
28					.04							
29					----							
30					----							
31		----			----		----		----	.08		----
SUM	0.12	2.24	0.51	0.00	0.04	0.83	0.00	0.00	0.00	1.14	4.37	1.46
ACC	0.12	2.36	2.87	2.87	2.91	3.74	3.74	3.74	3.74	4.88	9.25	10.71
MAX	0.12	1.65	0.39	0.00	0.04	0.83	0.00	0.00	0.00	0.47	1.26	1.18
NO.	1	3	2	0	1	1	0	0	0	6	9	4
											Maximum Daily Rainfall	1.65
											Maximum Monthly Rainfall	4.37
											Total Annual Rainfall	10.71
											Number of Days with Rain	27

Gage 7040 down from 10/18 05:52 (3) through 10/20 11:53 (3) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sols Wash near Matthie (gage # 7040) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.04									.16
2			.04									
3												
4	.04	.39								.35		
5		.08										
6	.04											.16
7		.20										
8												
9												
10										----		.12
11										----		.12
12			.51									
13		.04	.55									
14			.12							1.50		
15												
16				.04							.04	
17			.04									
18			.08			1.06						
19											.04	
20												
21										.24	.08	
22										.24	.04	
23											1.06	
24											.04	
25												
26							.04					
27												
28												
29										.12		
30										.04		
31		----					----		----			----
SUM	0.08	0.71	1.38	0.04	0.00	1.06	0.04	0.00	0.00	2.48	1.30	0.55
ACC	0.08	0.79	2.17	2.21	2.21	3.27	3.31	3.31	3.31	5.79	7.09	7.64
MAX	0.04	0.39	0.55	0.04	0.00	1.06	0.04	0.00	0.00	1.50	1.06	0.16
NO.	2	4	7	1	0	1	1	0	0	6	6	4
							Maximum Daily Rainfall					1.50
							Maximum Monthly Rainfall					2.48
							Total Annual Rainfall					7.64
							Number of Days with Rain					32

Gage 7040 down from 7/09 04:21 (93) through 7/12 07:13 (93) due to transmitter failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sols Wash @ Matthie (gage # 7040) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												.08
5												.12
6												
7					.12							
8			.04		.16							
9					.24							
10					.08							
11							.47					
12												
13												
14												
15			.04									
16			.31									
17			.63		.08							
18												
19												
20								----				
21								.08		.31	.04	
22								.04			.08	
23												
24										.16		
25			.59							1.69		
26		.35	.04									
27		.75										
28		.04										
29					----							
30					----							
31		----			----		----		----		.04	----
SUM	0.00	1.14	1.65	0.00	0.67	0.00	0.47	0.12	0.00	2.17	0.16	0.20
ACC	0.00	1.14	2.80	2.80	3.46	3.46	3.94	4.06	4.06	6.22	6.38	6.57
MAX	0.00	0.75	0.63	0.00	0.24	0.00	0.47	0.08	0.00	1.69	0.08	0.12
NO.	0	3	6	0	5	0	1	2	0	3	3	2
							Maximum Daily Rainfall					1.69
							Maximum Monthly Rainfall					2.17
							Total Annual Rainfall					6.57
							Number of Days with Rain					25

Notes:

Annual rainfall in millimeters: 167

Total down-time: 2.47 days

Gage 7040 down from 5/19 00:36 (100) through 5/21 11:48 (100) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sols Wash @ Matthie (gage # 7040) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.39									
2												
3					.04							
4					.16					.16		
5				.04							.16	
6												
7			.31	.39								
8			.04	.04							.04	
9											.12	.20
10										.51		
11										.04		
12												
13										.31		
14											.04	
15												
16						.16						
17											.12	
18												
19												
20										.20		
21												
22					.28							
23								.63				
24								.04				
25											1.06	
26										.31	.04	
27				.83								
28												
29												
30		.98			----						.04	
31		----			----		----		----			----
SUM	0.00	0.98	0.75	1.30	0.47	0.16	0.00	0.67	0.00	1.54	1.61	0.20
ACC	0.00	0.98	1.73	3.03	3.50	3.66	3.66	4.33	4.33	5.87	7.48	7.68
MAX	0.00	0.98	0.39	0.83	0.28	0.16	0.00	0.63	0.00	0.51	1.06	0.20
NO.	0	1	3	4	3	1	0	2	0	6	8	1
											Maximum Daily Rainfall	1.06
											Maximum Monthly Rainfall	1.61
											Total Annual Rainfall	7.68
											Number of Days with Rain	29

Notes:

Annual rainfall in millimeters: 195

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sols Wash @ Matthie (gage # 7040) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.87	
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14	.24											
15												
16												
17												
18												
19				.20	.35							
20												
21				.04								.04
22						.83						.79
23						.04				.08		
24												
25						.04				.79		
26												
27												
28										.55		
29												
30				.04								
31				.67								
SUM	0.24	0.00	0.00	0.94	0.35	0.91	0.00	0.00	0.00	1.42	0.87	0.83
ACC	0.24	0.24	0.24	1.18	1.54	2.44	2.44	2.44	2.44	3.86	4.72	5.55
MAX	0.24	0.00	0.00	0.67	0.35	0.83	0.00	0.00	0.00	0.79	0.87	0.79
NO.	1	0	0	4	1	3	0	0	0	3	1	2
											Maximum Daily Rainfall	0.87
											Maximum Monthly Rainfall	1.42
											Total Annual Rainfall	5.55
											Number of Days with Rain	15

Notes:

Annual rainfall in millimeters: 141

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sols Wash near Matthie (gage # 7040) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												.04
3												
4												
5												
6												
7									.12			.20
8												.16
9											.20	.28
10												
11		.04				.24					.63	
12											.12	
13												
14												.04
15										.51		
16												
17	.08											
18	.12											
19						.12						
20						.04						
21						.08						
22												
23												
24											.20	
25										.51		
26												
27												
28							.04					
29					----				.28			
30					----				.04			
31		----			----		----		----		.16	----

SUM	0.20	0.04	0.00	0.00	0.00	0.47	0.04	0.00	0.43	1.02	1.30	0.71
ACC	0.20	0.24	0.24	0.24	0.24	0.71	0.75	0.75	1.18	2.20	3.50	4.21
MAX	0.12	0.04	0.00	0.00	0.00	0.24	0.04	0.00	0.28	0.51	0.63	0.28
NO.	2	1	0	0	0	4	1	0	3	2	5	5

Maximum Daily Rainfall 0.63
Maximum Monthly Rainfall 1.30
Total Annual Rainfall 4.21
Number of Days with Rain 23

Notes:

Annual rainfall in millimeters: 107

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Sols Wash @ Matthe (gage # 7040) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1				.04								
2											.16	
3				.75							.04	
4			.04	.94								
5			.31			.16						
6			.28			.08						
7		.83		.04	.04							
8		.16										
9											.35	
10					.12							
11				.04	1.54						.51	
12		.31			.51						.28	
13												
14												
15												
16												
17					.04							
18					.28							
19					.47	.39						
20					.08							
21	1.34	.20			.04	.04				.24		
22	.04	.67			.39							
23					.04		.39			2.28		
24					.04					.12		
25										.55		
26				.28								
27	.20											
28	.79		.24									
29			.98	.35	-----							
30					-----					.79		
31		-----			-----		-----		-----	.20		-----
SUM	2.36	2.17	1.85	2.44	3.58	0.67	0.39	0.00	0.00	4.17	1.34	0.00
ACC	2.36	4.53	6.38	8.82	12.40	13.07	13.46	13.46	13.46	17.64	18.98	18.98
MAX	1.34	0.83	0.98	0.94	1.54	0.39	0.39	0.00	0.00	2.28	0.51	0.00
NO.	4	5	5	7	12	4	1	0	0	6	5	0
							Maximum Daily Rainfall				2.28	
							Maximum Monthly Rainfall				4.17	
							Total Annual Rainfall				18.98	
							Number of Days with Rain				49	

Notes:

Annual rainfall in millimeters: 482

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sols Wash @ Matthie (gage # 7040) for Water Year 2003

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						.12					.28	
2												
3												
4												2.28
5						.04						
6												.04
7												
8				.20								
9												
10												
11												
12					.35							
13					1.22	-----					.94	
14					.43	-----					.79	
15						.12	.12				.20	
16						.63						
17						.12						
18												
19											.16	
20			.04	.04								
21				.04								
22												
23			.04								.28	
24												
25					1.06						.04	
26	1.10				.24							
27	.31				.04						.87	
28										.39		
29		.28			-----							
30		.24			-----					.08		
31		-----			-----		-----		-----			-----
SUM	1.42	0.51	0.08	0.28	3.35	1.02	0.12	0.00	0.00	0.47	3.54	2.32
ACC	1.42	1.93	2.01	2.28	5.63	6.65	6.77	6.77	6.77	7.24	10.79	13.11
MAX	1.10	0.28	0.04	0.20	1.22	0.63	0.12	0.00	0.00	0.39	0.94	2.28
NO.	2	2	2	3	6	5	1	0	0	2	8	2
											Maximum Daily Rainfall	2.28
											Maximum Monthly Rainfall	3.54
											Total Annual Rainfall	13.11
											Number of Days with Rain	33

Notes:

Total annual rainfall in millimeters: 333
Total down-time: 3.25 days
Gage 7040 down from 3/12 15:42 (147) through 3/15 21:37 (148) due to battery failure; assigned 1 mm to 3/15.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Sols Wash @ Matthie (gage # 7040) for Water Year 2000

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1							.08					
2				.16								
3												
4												
5						.75						
6						.24					.16	
7						.16						
8											.08	
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20									.12			
21					.39							
22									.08			
23					.04				.24		.04	
24					.04							
25											.39	
26												
27											1.73	
28												
29									.24		1.69	
30					----				.04			
31		----			----	.04	----		----			----
SUM	0.00	0.00	0.00	0.16	0.47	1.18	0.08	0.00	0.71	0.00	4.09	0.00
ACC	0.00	0.00	0.00	0.16	0.63	1.81	1.89	1.89	2.60	2.60	6.69	6.69
MAX	0.00	0.00	0.00	0.16	0.39	0.75	0.08	0.00	0.24	0.00	1.73	0.00
NO.	0	0	0	1	3	4	1	0	5	0	6	0
							Maximum Daily Rainfall					1.73
							Maximum Monthly Rainfall					4.09
							Total Annual Rainfall					6.69
							Number of Days with Rain					20

Notes:

Annual rainfall in millimeters: 170

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sols Wash near Matthie (gage # 7040) for Water Year 1999

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.12					
2			.04				.91		.35			
3												
4					.28		.16					
5												
6			.16							.12		
7												
8										.35		
9												
10										.04	.04	
11										.08		.59
12												
13												
14												
15										.98		.16
16						.04						.20
17						.20						
18												
19												.04
20												
21	.04											
22											.04	
23											.04	.35
24										.12		
25	.16			.12						.20		
26	.16											
27										.31	.08	
28		.35									.51	
29					----					.24		
30	.20				----						.12	
31		----			----		----		----		.28	----
SUM	0.55	0.35	0.20	0.12	0.28	0.24	1.18	0.00	0.35	2.44	1.10	1.34
ACC	0.55	0.91	1.10	1.22	1.50	1.73	2.91	2.91	3.27	5.71	6.81	8.15
MAX	0.20	0.35	0.16	0.12	0.28	0.20	0.91	0.00	0.35	0.98	0.51	0.59
NO.	4	1	2	1	1	2	3	0	1	9	7	5
							Maximum Daily Rainfall					0.98
							Maximum Monthly Rainfall					2.44
							Total Annual Rainfall					8.15
							Number of Days with Rain					36

Notes:

Annual rainfall in millimeters: 207

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Sols Wash near Matthie (gage # 7040) for Water Year 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			.04				.24					.04
2												
3				.08	.16							
4				.24	.51							.43
5				.04								.04
6			.31									
7	.08		.47		.04							
8			.04		.43						.67	
9				.04	.39							.04
10				.43								
11												.04
12							.08				1.73	
13		.12						.12			.08	
14		.08			.16	.04						
15					.16	.04	.04					
16												
17					.67	.12						.04
18											.04	
19					.04					.59		
20					.16					.04		
21			.55							.51		
22			.39							.31		
23										.04		
24			.04		.31					.12	.24	
25												
26						.43						
27												
28						.24						
29					----							
30					----							
31		----			----		----		----		.31	----
SUM	0.08	0.20	1.85	0.83	3.03	0.87	0.35	0.12	0.00	1.61	3.11	0.59
ACC	0.08	0.28	2.13	2.95	5.98	6.85	7.20	7.32	7.32	8.94	12.05	12.64
MAX	0.08	0.12	0.55	0.43	0.67	0.43	0.24	0.12	0.00	0.59	1.73	0.43
NO.	1	2	7	5	11	5	3	1	0	6	7	5
							Maximum Daily Rainfall				1.73	
							Maximum Monthly Rainfall				3.11	
							Total Annual Rainfall				12.64	
							Number of Days with Rain				53	

Notes:

Annual rainfall in millimeters: 321

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sols Wash near Matthie (gage # 7040) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												.20
2												.04
3							.47				.04	
4							.35					
5											.43	.16
6												.08
7												
8											.39	
9											.12	
10												
11												.35
12				.04								
13				.67								
14	.35											
15												
16												
17												
18												
19												
20								.04				
21												
22		.08								.12		
23												
24												
25												1.26
26		.04		.20								1.69
27					.43							
28					.20							
29											.08	
30											.08	
31												
SUM	0.35	0.12	0.00	0.91	0.63	0.00	0.83	0.04	0.00	0.12	1.14	3.78
ACC	0.35	0.47	0.47	1.38	2.01	2.01	2.83	2.87	2.87	2.99	4.13	7.91
MAX	0.35	0.08	0.00	0.67	0.43	0.00	0.47	0.04	0.00	0.12	0.43	1.69
NO.	1	2	0	3	2	0	2	1	0	1	6	7
							Maximum Daily Rainfall					1.69
							Maximum Monthly Rainfall					3.78
							Total Annual Rainfall					7.91
							Number of Days with Rain					25

Notes:

Annual rainfall in millimeters: 201 Total down-time: 3.3 days
 Gage down from 10/10/96 21:50 (0) through 10/13/96 9:50 (0) for unknown reason; no rain fell.
 Gage down from 5/3/97 11:22 (72) through 5/6/97 12:18 (72) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sols Wsh nr Matthie (gage # 7040) for Water Year 1996

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1		.28			.24								
2													
3										.16			
4													
5		.04		----								.67	
6		.04		----				----					
7				----				----					
8				----									
9												.04	
10												1.57	
11												.55	
12													
13						.24						.24	
14						.24							
15													
16													
17													
18													
19													
20													
21													
22				.04	.04								
23												----	
24												----	
25					.08					.04	.04	----	
26					.24					.04			
27					.04					1.18			
28										.04			
29													
30									.04				
31		----			----		----		----			----	
SUM	0.00	0.35	0.00	0.04	0.63	0.47	0.00	0.00	0.04	1.46	0.04	3.07	
ACC	0.00	0.35	0.35	0.39	1.02	1.50	1.50	1.50	1.54	2.99	3.03	6.10	
MAX	0.00	0.28	0.00	0.04	0.24	0.24	0.00	0.00	0.04	1.18	0.04	1.57	
NO.	0	3	0	1	5	2	0	0	1	5	1	5	
												Maximum Daily Rainfall	1.57
												Maximum Monthly Rainfall	3.07
												Total Annual Rainfall	6.10
												Number of Days with Rain	23

Notes:

Annual Rainfall in mm: 155

Gage down from 1/04 02:17 (9) through 1/09 02:17 (9) due to dead battery; no rain fell.

Gage down from 5/05 02:17 (38) through 5/08 02:17 (38) for unknown reason; no rain fell.

Gage down from 9/22 02:15 (155) through 9/26 02:15 (155) for unknown reason, no rain fell.

