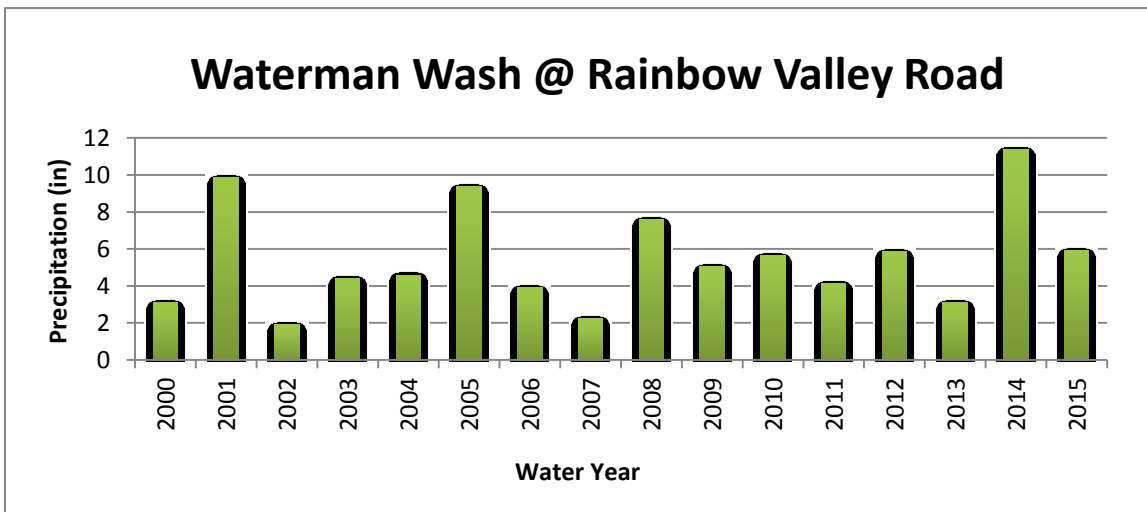




**Station Name: Waterman Wash @ Rainbow Valley Rd.**

<b>Station ID Number History:</b>	<b>6830</b> since 03/18/99
<b>Station Type:</b>	Rain / Stream
<b>Data Begins:</b>	03/18/1999
<b>Years Since Installation:</b>	16.54 (as of 10/01/15)
<b>Data Repeater:</b>	White Tank Peak
<b>County:</b>	Maricopa
<b>Latitude:</b>	33° 15' 42.2" (33.26173)
<b>Longitude:</b>	112° 26' 38.5" (112.44404)
<b>Elevation:</b>	1,020 ft. msl
<b>Location:</b>	Rainbow Valley Rd. at Queen Creek Rd.
<b>Data Record:</b>	
Incomplete Months:	None
Missing Months:	None
<b>Remarks:</b>	Records Good



**Data Statistics for Period of Record:**

Number of storms greater than 1 inch in 24 hours:	16	
Number of storms greater than 2 inches in 24 hours:	3	
Number of storms greater than 3 inches in 24 hours:	1	
		Approx. T <sub>r</sub>
Greatest 15 minute total:	0.94" on 09/08/14	17 years
Greatest 1 hour total:	2.09" on 09/08/14	79 years
Greatest 3 hour total:	4.21" on 09/08/14	1,000 years
Greatest 6 hour total:	4.21" on 09/08/14	1,000 years
Greatest 24 hour total:	4.21" on 09/08/14	467 years
Greatest 72 hour total:	4.21" on 09/08/14	132 years

**Water Year Totals: (Mean of Complete Water Years [16] = 5.45 inches)**

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	5.67	2000	3.11
2019		2009	5.04	1999	M
2018		2008	7.60	1998	
2017		2007	2.24	1997	
2016		2006	3.94	1996	
2015	5.94	2005	9.37	1995	
2014	11.38	2004	3.62	1994	
2013	3.11	2003	4.41	1993	
2012	5.87	2002	1.93	1992	
2011	4.13	2001	9.88	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 Waterman Wash @ Rainbow Valley Rd. (gage # 6830) for Water Year 2013

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8						.43						.04
9												.20
10												.16
11					.20					.28		
12												
13			.04									
14			.28									
15			.16									
16												
17												
18			.08									
19												
20					.08							
21										.16		
22									.12			----
23												
24				.04								
25												
26				.79							.04	
27				.04								
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	0.00	0.55	0.87	0.28	0.43	0.00	0.00	0.00	0.55	0.04	0.39
ACC	0.00	0.00	0.55	1.42	1.69	2.13	2.13	2.13	2.13	2.68	2.72	3.11
MAX	0.00	0.00	0.28	0.79	0.20	0.43	0.00	0.00	0.00	0.28	0.04	0.20
NO.	0	0	4	3	2	1	0	0	0	3	1	3
											Maximum Daily Rainfall	0.79
											Maximum Monthly Rainfall	0.87
											Total Annual Rainfall	3.11
											Number of Days with Rain	17

Gage 6830 down from 9/21 05:35 (79) through 9/23 11:35 (79) due to repeater failure; no rain fell.

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Waterman Wash @ Rainbow Valley Rd. (# 6830) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2													
3													
4	.08	.24								.91			
5		.08											
6													
7		.28											
8													
9								.04					
10												.20	
11										.04			
12			.12							.43			
13		.24	.28							.04			
14			.04										
15													
16													
17			.04								.28		
18			.08			.47							
19													
20													
21											.67		
22											.04		
23											.04		
24													
25													
26													
27													
28													
29										1.26			
30					----								
31		----			----		----		----			----	
SUM	0.08	0.83	0.55	0.00	0.00	0.47	0.00	0.04	0.00	2.68	1.02	0.20	
ACC	0.08	0.91	1.46	1.46	1.46	1.93	1.93	1.97	1.97	4.65	5.67	5.87	
MAX	0.08	0.28	0.28	0.00	0.00	0.47	0.00	0.04	0.00	1.26	0.67	0.20	
NO.	1	4	5	0	0	1	0	1	0	5	4	1	
												Maximum Daily Rainfall	1.26
												Maximum Monthly Rainfall	2.68
												Total Annual Rainfall	5.87
												Number of Days with Rain	22

## Flood Control District of Maricopa County ALERT System

### Daily Rainfall at Waterman Wash @ Rainbow Valley Rd. (# 6830) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5	.16									.98		
6												
7												
8												
9							.16					
10										.39		
11												
12												
13												
14												
15												
16			.04									
17												
18												
19					.31							
20					.04							
21	.04					.20						
22			.43									
23			.04									
24										.31		
25										.04		
26					.24							
27					.16							
28												
29			.51		----							
30			.04		----					.04		
31		----			----		----		----			----
SUM	0.20	0.00	1.06	0.00	0.75	0.20	0.16	0.00	0.00	1.77	0.00	0.00
ACC	0.20	0.20	1.26	1.26	2.01	2.20	2.36	2.36	2.36	4.13	4.13	4.13
MAX	0.16	0.00	0.51	0.00	0.31	0.20	0.16	0.00	0.00	0.98	0.00	0.00
NO.	2	0	5	0	4	1	1	0	0	5	0	0
											Maximum Daily Rainfall	0.98
											Maximum Monthly Rainfall	1.77
											Total Annual Rainfall	4.13
											Number of Days with Rain	18

Annual Total (mm): 105

Days Down: 0





### Flood Control District of Maricopa County ALERT System

Daily Rainfall at Waterman Wash @ Rainbow Valley Rd. (gage # 6830) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-----											
2	-----											
3	-----											
4	-----											
5	-----											
6	-----											
7	-----											
8	-----											
9	-----											
10	-----											
11	-----											
12	-----											
13	-----											
14	-----											
15	-----											
16	-----											
17	-----											
18	-----											
19	-----											
20	-----											
21	-----											
22	-----											
23	-----											
24	-----											
25	-----											
26	-----											
27	-----											
28	-----											
29	-----											
30	-----											
31	-----											
SUM	0.00	0.08	1.06	0.08	0.63	0.00	0.31	0.20	0.00	1.42	1.26	0.00
ACC	0.00	0.08	1.14	1.22	1.85	1.85	2.17	2.36	2.36	3.78	5.04	5.04
MAX	0.00	0.08	0.51	0.08	0.35	0.00	0.31	0.20	0.00	1.38	0.79	0.00
NO.	0	1	8	1	4	0	1	1	0	2	5	0

Maximum Daily Rainfall 1.38

Maximum Monthly Rainfall 1.42

Total Annual Rainfall 5.04

Number of Days with Rain 23

**Notes:**

Annual rainfall in millimeters: 128

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Waterman Wash @ Rainbow Valley Rd. (gage # 6830) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7				.24							1.14	
8			.04									
9												
10										.12		
11			.20							.16		
12												
13												
14										.04		
15					.04							
16												
17												
18												
19												
20										.08		
21												
22								.47				
23								.16				
24				.04				.04				
25											1.10	
26											.24	
27				.87								
28				.04							.47	
29											.04	
30		1.61			----							
31		----			----		----		----		.47	----
SUM	0.00	1.61	0.24	1.18	0.04	0.00	0.00	0.67	0.00	0.39	3.46	0.00
ACC	0.00	1.61	1.85	3.03	3.07	3.07	3.07	3.74	3.74	4.13	7.60	7.60
MAX	0.00	1.61	0.20	0.87	0.04	0.00	0.00	0.47	0.00	0.16	1.14	0.00
NO.	0	1	2	4	1	0	0	3	0	4	6	0
											Maximum Daily Rainfall	1.61
											Maximum Monthly Rainfall	3.46
											Total Annual Rainfall	7.60
											Number of Days with Rain	21

**Notes:**

Annual rainfall in millimeters: 193

Total down-time: 0.00 days



### Flood Control District of Maricopa County ALERT System

Daily Rainfall at Waterman Wash @ Rainbow Valley Rd. (gage # 6830) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												.79
3												
4												
5												
6										.04		
7									.04			
8												
9												
10											.67	
11						.83						
12						.04					.24	
13												
14												
15												
16												
17	.04											
18	.16											
19						.12						
20												
21											.12	
22				----								
23										.04		
24											.08	
25										.55		
26										.16		
27								.04				
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.20	0.00	0.00	0.00	0.00	0.98	0.04	0.00	0.04	0.79	1.10	0.79
ACC	0.20	0.20	0.20	0.20	0.20	1.18	1.22	1.22	1.26	2.05	3.15	3.94
MAX	0.16	0.00	0.00	0.00	0.00	0.83	0.04	0.00	0.04	0.55	0.67	0.79
NO.	2	0	0	0	0	3	1	0	1	4	4	1
Maximum Daily Rainfall												0.83
Maximum Monthly Rainfall												1.10
Total Annual Rainfall												3.94
Number of Days with Rain												16

#### Notes:

Annual rainfall in millimeters: 100

Total down-time: 2.40 days

Gage 6830 down from 1/21 05:08 (5) through 1/23 14:37 (5) due to repeater failure; no rain fell.



## Flood Control District of Maricopa County ALERT System

### Daily Rainfall at Waterman @ Rainbow Valley (gage # 6830) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1							.08					
2						.20	.67					
3							.04					
4						.12	.08					
5						.12						
6												
7												
8												
9												
10	.04											
11			.08									
12		.31										
13						.04						
14										.08		
15											.16	
16												
17												
18											.16	
19												.08
20												
21				.08								
22				.12	.04							
23				.04	.39							
24				.12	.04							
25												
26										.43		
27										.12		
28												
29												
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.04	0.31	0.08	0.35	0.47	0.47	0.87	0.00	0.00	0.63	0.31	0.08
ACC	0.04	0.35	0.43	0.79	1.26	1.73	2.60	2.60	2.60	3.23	3.54	3.62
MAX	0.04	0.31	0.08	0.12	0.39	0.20	0.67	0.00	0.00	0.43	0.16	0.08
NO.	1	1	1	4	3	4	4	0	0	3	2	1
	Maximum Daily Rainfall											0.67
	Maximum Monthly Rainfall											0.87
	Total Annual Rainfall											3.62
	Number of Days with Rain											24

**Notes:**

Annual rainfall in millimeters: 92

Total down-time: 0.00 days



**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Waterman @ Rainbow Valley (gage # 6830) for Water Year 2002

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4			.71									
5		.43										
6	.35											.04
7						.04						.04
8						.04						.04
9												
10												
11			.20									
12												
13												
14												
15										.04		
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					-----							
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.35	0.43	0.91	0.00	0.00	0.08	0.00	0.00	0.00	0.04	0.00	0.12
ACC	0.35	0.79	1.69	1.69	1.69	1.77	1.77	1.77	1.77	1.81	1.81	1.93
MAX	0.35	0.43	0.71	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.04
NO.	1	1	2	0	0	2	0	0	0	1	0	3
										Maximum Daily Rainfall		0.71
										Maximum Monthly Rainfall		0.91
										Total Annual Rainfall		1.93
										Number of Days with Rain		10

**Notes:**

Total annual rainfall in millimeters: 49

Total down-time: 0.00 days





**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Waterman @ Rainbow Valley (gage # 6830) for Water Year 2000**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2				.04								
3												
4												
5						.67						
6						1.14						
7						.20					.12	
8											.04	
9												
10												
11												
12												
13												
14												
15												
16												
17												
18									.04			
19												
20												
21												
22									.04			
23											.04	
24												
25												
26												
27											.04	
28												
29											.31	
30					----						.24	
31		----			----		----		----	.20		----
SUM	0.00	0.00	0.00	0.04	0.00	2.01	0.00	0.00	0.08	0.20	0.79	0.00
ACC	0.00	0.00	0.00	0.04	0.04	2.05	2.05	2.05	2.13	2.32	3.11	3.11
MAX	0.00	0.00	0.00	0.04	0.00	1.14	0.00	0.00	0.04	0.20	0.31	0.00
NO.	0	0	0	1	0	3	0	0	2	1	6	0
	Maximum Daily Rainfall											1.14
	Maximum Monthly Rainfall											2.01
	Total Annual Rainfall											3.11
	Number of Days with Rain											13

**Notes:**

Annual rainfall in millimeters: 79

Total down-time: 0 days

# Flood Control District of Maricopa County ALERT System

## Daily Rainfall at Waterman @ Rainbow (gage # 6830) for Water Year 1999

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	----	----	----	----	----	----	.24					
2	----	----	----	----	----	----	.87					
3	----	----	----	----	----	----						
4	----	----	----	----	----	----						
5	----	----	----	----	----	----					.43	
6	----	----	----	----	----	----						
7	----	----	----	----	----	----				.04		
8	----	----	----	----	----	----	----			.47		
9	----	----	----	----	----	----	----					
10	----	----	----	----	----	----	----			.16		
11	----	----	----	----	----	----	----					
12	----	----	----	----	----	----	----					
13	----	----	----	----	----	----	----					
14	----	----	----	----	----	----	----			.08		
15	----	----	----	----	----	----	----					.04
16	----	----	----	----	----	----	----					
17	----	----	----	----	----	----	----					
18	----	----	----	----	----	----	----					
19	----	----	----	----	----	----	----					
20	----	----	----	----	----	----	----					
21	----	----	----	----	----	----	----					
22	----	----	----	----	----	----	----					
23	----	----	----	----	----	----	----					
24	----	----	----	----	----	----	----					
25	----	----	----	----	----	----	----					
26	----	----	----	----	----	----	----					
27	----	----	----	----	----	----	----				.12	
28	----	----	----	----	----	----	----			.39		
29	----	----	----	----	----	----	----			.04		
30	----	----	----	----	----	----	----				.16	
31	----	----	----	----	----	----	----	----	----		1.85	----
SUM	----	----	----	----	----	0.00	1.10	0.00	0.00	1.18	2.56	0.04
ACC	----	----	----	----	----	0.00	1.10	1.10	1.10	2.28	4.84	4.88
MAX	----	----	----	----	----	0.00	0.87	0.00	0.00	0.47	1.85	0.04
NO.	----	----	----	----	----	0	2	0	0	6	4	1
											Maximum Daily Rainfall	1.85
											Maximum Monthly Rainfall	2.56
											<b>Partial</b> Annual Rainfall	4.88
											Number of Days with Rain	13

**Notes:**

Partial annual rainfall in millimeters: 124 Total down-time: 4.98 days  
Station installed 03/18/1999.  
Gage 6830 down from 4/07 10:32 (28) through 4/12 10:04 (28) due to battery failure; no rain fell.