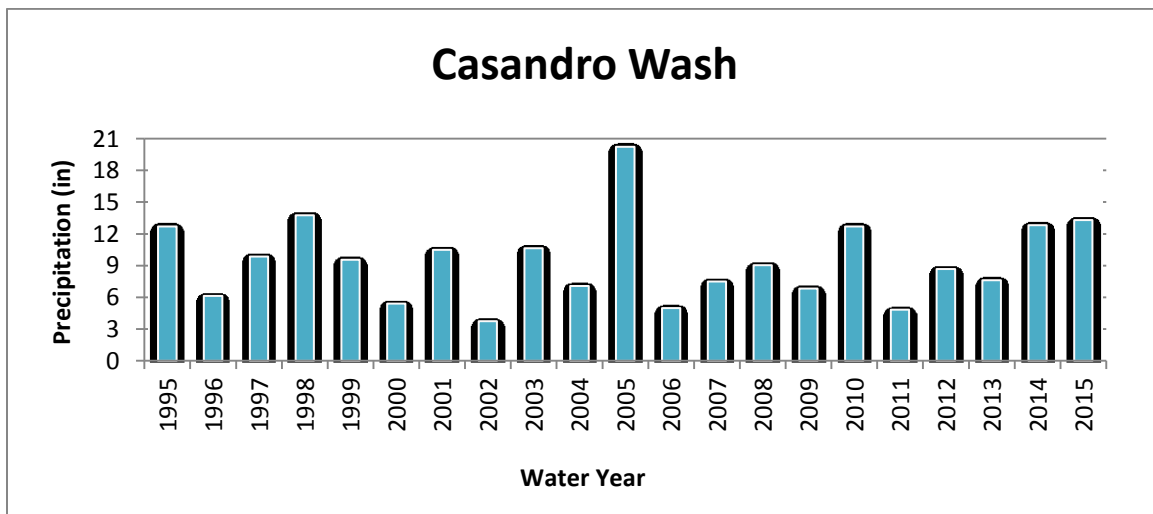




Station Name: Casandro Wash

Station ID Number History:	7090 since 07/12/94
Station Type:	Rain / Stream
Data Begins:	07/12/1994
Years Since Installation:	21.22 (as of 10/01/15)
Data Repeater:	Yarnell Hill
County:	Maricopa
Latitude:	33° 57' 43.3" (33.96204)
Longitude:	112° 45' 55.0" (112.76528)
Elevation:	2,240 ft. msl
Location:	On US 60 bridge, 2 mi. West of US 60 / US 93
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:	60	
Number of storms greater than 2 inches in 24 hours:	7	
Number of storms greater than 3 inches in 24 hours:	3	
		Approx. Tr
Greatest 15 minute total:	1.34" on 07/18/15	50 years
Greatest 1 hour total:	3.23" on 07/18/15	610 years
Greatest 3 hour total:	3.98" on 07/18/15	648 years
Greatest 6 hour total:	4.02" on 07/18/15	360 years
Greatest 24 hour total:	4.06" on 07/18/15	60 years
Greatest 72 hour total:	4.88" on 01/21/10	80 years

Water Year Totals: (Mean of Complete Water Years [21] = 9.44 inches)

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	12.72	2000	5.43
2019		2009	6.85	1999	9.57
2018		2008	9.06	1998	13.78
2017		2007	7.52	1997	9.88
2016		2006	5.00	1996	6.14
2015	13.31	2005	20.24	1995	12.72
2014	12.83	2004	7.09	1994	M
2013	7.64	2003	10.67	1993	
2012	8.70	2002	3.74	1992	
2011	4.84	2001	10.51	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 Casandro Wash (gage # 7090) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.08									
2			.04									
3												
4	.04	.28								.55		.31
5		.08										
6												.24
7		.28										.04
8												
9												
10												.04
11												.08
12			.63									
13		.08	.67									
14			.12							1.77		
15											.04	
16												
17			.04									
18			.12			1.06					.04	
19											.24	
20												
21										.16	.12	
22										.51	.04	
23											.71	
24											.04	
25												
26							.04			----		
27										----		
28					.04							
29										.08		
30					----		.04			.08		
31		----			----		----		----			----
SUM	0.04	0.71	1.69	0.00	0.04	1.06	0.08	0.00	0.00	3.15	1.22	0.71
ACC	0.04	0.75	2.44	2.44	2.48	3.54	3.62	3.62	3.62	6.77	7.99	8.70
MAX	0.04	0.28	0.67	0.00	0.04	1.06	0.04	0.00	0.00	1.77	0.71	0.31
NO.	1	4	7	0	1	1	2	0	0	6	7	5
										Maximum Daily Rainfall		1.77
										Maximum Monthly Rainfall		3.15
										Total Annual Rainfall		8.70
										Number of Days with Rain		34

Gage 7090 down from 7/26 09:20 (193) through 7/28 15:20 (193) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Casandro Wash (gage # 7090) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3										.12		
4	.55											
5	.20											.04
6												
7												
8							.08					
9							.28					
10												----
11												----
12												
13												
14												
15			.08									
16												
17												
18												
19	.04				.59							
20					.12							
21		.08				.39						
22			1.14									
23			.04									
24									----			
25									----			
26					.20				----		.08	
27					.16							
28												
29			.35		----					.04		
30			.04		----					.24		
31		----			----		----		----			----
SUM	0.79	0.08	1.65	0.00	1.06	0.39	0.35	0.00	0.00	0.39	0.08	0.04
ACC	0.79	0.87	2.52	2.52	3.58	3.98	4.33	4.33	4.33	4.72	4.80	4.84
MAX	0.55	0.08	1.14	0.00	0.59	0.39	0.28	0.00	0.00	0.24	0.08	0.04
NO.	3	1	5	0	4	1	2	0	0	3	1	1
							Maximum Daily Rainfall					1.14
							Maximum Monthly Rainfall					1.65
							Total Annual Rainfall					4.84
							Number of Days with Rain					21

Annual Total (mm): 123

Days Down: 7.02

Gage 7090 down from 06/23 12:42 (112) through 06/27 10:19 (112) due to transmitter failure; no rain fell.

Gage 7090 down from 09/09 04:19 (187) through 09/12 07:06 (187) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Casandro Wash (gage # 7090) for Water Year 2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.28	
2												
3												
4												
5												
6					.12	.04						
7			1.50		.20	1.06					.12	
8			.04									
9												
10					.04							
11												
12			.04									
13			.08									
14												
15												
16												
17											.39	
18				.16								
19				1.34								
20				.04	.47							----
21				3.50	.31							----
22			.04		.08						.91	
23				.04						.59	.28	
24											.12	
25												
26												
27					.31							
28					.31							
29					----					.20		
30					----							
31		----			----		----		----	.12		----
SUM	0.00	0.00	1.69	5.08	1.85	1.10	0.01	0.00	0.00	0.91	2.09	0.00
ACC	0.00	0.00	1.69	6.77	8.62	9.72	9.72	9.72	9.72	10.63	12.72	12.72
MAX	0.00	0.00	1.50	3.50	0.47	1.06	0.00	0.00	0.00	0.59	0.91	0.15
NO.	0	0	5	5	8	2	0	0	0	3	6	0
											Maximum Daily Rainfall	3.50
											Maximum Monthly Rainfall	5.08
											Total Annual Rainfall	12.72
											Number of Days with Rain	29

Notes:

Annual rainfall in millimeters: 323
 Gage 7090 down from 09/19 22:30 (323) through 09/22 08:48 (323) for unknown reason; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Casandro Wash (gage # 7090) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2										.08		
3										.31		
4										----		.08
5										----		.12
6											.04	
7					.24							
8			.08		.12							
9					.35							
10												
11							.75					
12												
13											.04	
14			.04									
15			.04									
16			.55									
17			1.06		.04							
18			.04		----							----
19												----
20												
21								.12		.20	.04	
22			.04					.08			.04	
23												
24										.08		
25			.83							.08		
26		.31	.08									
27		.94										
28		.04										
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	1.30	2.76	0.00	0.75	0.00	0.75	0.20	0.00	0.75	0.16	0.20
ACC	0.00	1.30	4.06	4.06	4.80	4.80	5.55	5.75	5.75	6.50	6.65	6.85
MAX	0.00	0.94	1.06	0.00	0.35	0.00	0.75	0.12	0.00	0.31	0.04	0.12
NO.	0	3	9	0	4	0	1	2	0	5	4	2
							Maximum Daily Rainfall					1.06
							Maximum Monthly Rainfall					2.76
							Total Annual Rainfall					6.85
							Number of Days with Rain					30

Notes:

Annual rainfall in millimeters: 174 Total down-time: 9.02 days
Gage 7090 down from 2/17 12:07 (122) through 2/19 11:23 (122) due to transmitter failure; no rain fell.
Gage 7090 down from 6/26 23:22 (146) through 6/29 05:21 (146) due to data collision; no rain fell.
Gage 7090 down from 7/03 22:09 (155) thru 7/06 05:23 (156) for unknown reason; assigned 1mm to 7/03.
Gage 7090 down from 9/17 22:48 (174) through 9/20 10:48 (174) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Casandro Wash (gage # 7090) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												.08
3												
4												
5												
6												
7									.12			.12
8												.12
9											.20	1.06
10												
11		.04				.24					.87	
12											.16	
13												
14												.16
15										.04		
16										.08		
17	.04											
18	.24											
19						.16						
20						.04						
21						.12						
22												
23												
24											.35	
25										.28		
26										.08		
27												
28							.04					
29					----				.04			
30					----							
31		----			----		----		----		.35	----
SUM	0.28	0.04	0.00	0.00	0.00	0.55	0.04	0.00	0.16	0.47	1.93	1.54
ACC	0.28	0.31	0.31	0.31	0.31	0.87	0.91	0.91	1.06	1.54	3.46	5.00
MAX	0.24	0.04	0.00	0.00	0.00	0.24	0.04	0.00	0.12	0.28	0.87	1.06
NO.	2	1	0	0	0	4	1	0	2	4	5	5
							Maximum Daily Rainfall					1.06
							Maximum Monthly Rainfall					1.93
							Total Annual Rainfall					5.00
							Number of Days with Rain					24

Notes:

Annual rainfall in millimeters: 127

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Casandro Wash (gage # 7090) for Water Year 2003

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	.04					.04					.55	
2												
3												
4												.79
5												
6												.12
7												
8				.24								
9												
10												
11												
12					.31							
13					1.50						.08	
14					.43						.83	
15						.08	.16				.08	
16						.71						
17						.20						
18												
19											.28	
20			.04	.04								
21												
22												
23			.04									
24										.04		
25					1.30							
26	.79				.12							
27	.20										.51	
28					.04					.51		
29		.35			-----							
30		.16			-----					.12		
31		-----			-----		-----		-----			-----
SUM	1.02	0.51	0.08	0.28	3.70	1.02	0.16	0.00	0.00	0.67	2.32	0.91
ACC	1.02	1.54	1.61	1.89	5.59	6.61	6.77	6.77	6.77	7.44	9.76	10.67
MAX	0.79	0.35	0.04	0.24	1.50	0.71	0.16	0.00	0.00	0.51	0.83	0.79
NO.	3	2	2	2	6	4	1	0	0	3	6	2
											Maximum Daily Rainfall	1.50
											Maximum Monthly Rainfall	3.70
											Total Annual Rainfall	10.67
											Number of Days with Rain	31

Notes:

Total annual rainfall in millimeters: 271

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Casandro Wash (gage # 7090) for Water Year 2000

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1							.04					
2				.12								
3												
4												
5						.79						
6						.43					.04	
7						.20						
8												
9												
10												
11												
12												
13											.08	
14												
15										----		
16										----		
17												
18												
19												
20												
21					.67							
22					.04				.08			
23											.04	
24					.04							
25												
26												
27											1.38	
28												
29									.16		1.30	
30					----							
31		----			----	.04	----		----			----
SUM	0.00	0.00	0.00	0.12	0.75	1.46	0.04	0.00	0.24	0.00	2.83	0.00
ACC	0.00	0.00	0.00	0.12	0.87	2.32	2.36	2.36	2.60	2.60	5.43	5.43
MAX	0.00	0.00	0.00	0.12	0.67	0.79	0.04	0.00	0.16	0.00	1.38	0.00
NO.	0	0	0	1	3	4	1	0	2	0	5	0
											Maximum Daily Rainfall	1.38
											Maximum Monthly Rainfall	2.83
											Total Annual Rainfall	5.43
											Number of Days with Rain	16

Notes:

Annual rainfall in millimeters: 138 Total down-time: 2.57 days
 Gage 7090 down from 7/14 10:13 (66) through 7/17 08:40 (66) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Casandro Wash (gage # 7090) for Water Year 1999

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.12					
2			.08				1.10		.47			
3			.04									
4					.39		.20				.08	
5					.04							
6			.12							.24		
7			.04									
8		.04								.28		
9												
10									.20			
11									.08			.28
12												
13												
14										.08		
15										1.34		.04
16						.04						.12
17						.20						
18												
19												
20												
21	.04											
22												
23												.20
24												
25	.20			.08								
26	.24											
27										.20	.12	
28		.43								.75		
29					----				.20			
30	.35				----						.24	
31		----			----		----		----		.94	----
SUM	0.83	0.47	0.28	0.08	0.43	0.24	1.42	0.00	0.47	2.60	2.13	0.63
ACC	0.83	1.30	1.57	1.65	2.09	2.32	3.74	3.74	4.21	6.81	8.94	9.57
MAX	0.35	0.43	0.12	0.08	0.39	0.20	1.10	0.00	0.47	1.34	0.94	0.28
NO.	4	2	4	1	2	2	3	0	1	8	5	4
	Maximum Daily Rainfall											1.34
	Maximum Monthly Rainfall											2.60
	Total Annual Rainfall											9.57
	Number of Days with Rain											36

Notes:

Annual rainfall in millimeters: 243

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Casandro Wash (gage # 7090) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												.24
2												
3							.59					
4							.31					
5											.51	.51
6												.08
7												
8											.67	
9											.12	
10												
11												.24
12				.04								
13				.87								
14	.12											
15												
16												
17												
18												
19												
20								.04				
21												
22		.04										
23		.04										
24												
25												1.61
26		.04		.12								2.32
27				.08	.79							
28					.31							
29												
30											.20	
31												
SUM	0.12	0.12	0.00	1.10	1.10	0.00	0.91	0.04	0.00	0.00	1.50	5.00
ACC	0.12	0.24	0.24	1.34	2.44	2.44	3.35	3.39	3.39	3.39	4.88	9.88
MAX	0.12	0.04	0.00	0.87	0.79	0.00	0.59	0.04	0.00	0.00	0.67	2.32
NO.	1	3	0	4	2	0	2	1	0	0	4	6
	Maximum Daily Rainfall											2.32
	Maximum Monthly Rainfall											5.00
	Total Annual Rainfall											9.88
	Number of Days with Rain											23

Notes:

Annual rainfall in millimeters: 251

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Casandro Wash (gauge # 7090) for Water Year 1994

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2												0.04	
3													
4												0.08	
5													
6											0.04		
7													
8													
9													
10												0.12	
11													
12													
13													
14													
15											0.67		
16													
17										0.35			
18										0.04			
19										0.12			
20												0.59	
21													
22													
23													
24													
25													
26													
27											0.63		
28													
29													
30													
31													
SUM										0.51	1.34	0.83	
ACC										0.51	1.85	2.68	
MAX										0.35	0.67	0.59	
NO.										3	3	4	
												Maximum Daily Rainfall	0.67
												Maximum Monthly Rainfall	1.34
												Partial Annual Rainfall	2.68
												Number of Days with Rain	10

Notes:

Partial annual rainfall in mm: 68
 Gage installed 7/12/94.