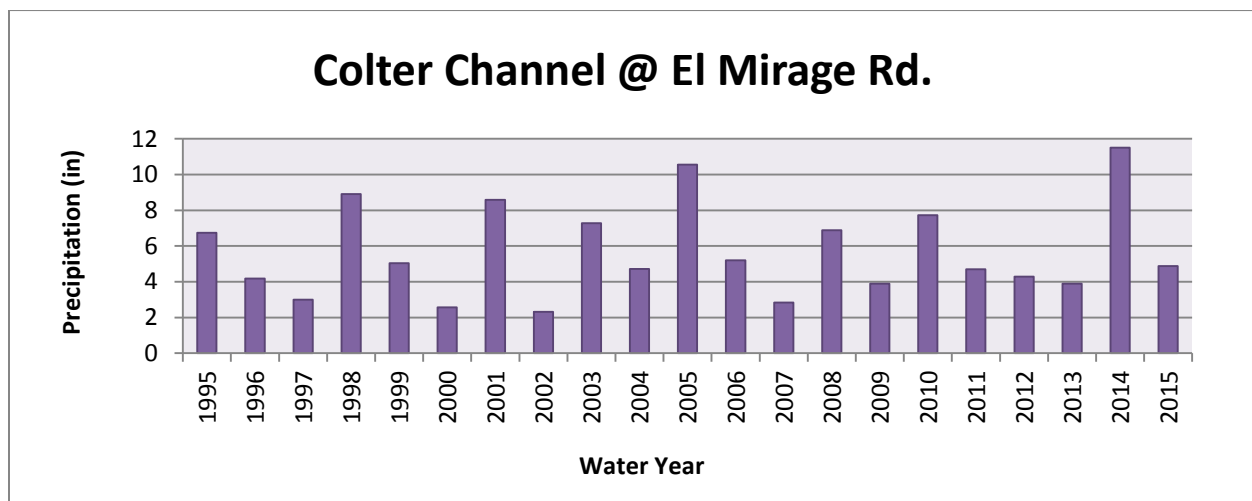


Station Name: Colter Channel @ El Mirage Rd.

Station ID Number History:	5405 since 06/29/94
Station Type:	Rain / Stream
Data Begins:	06/29/1994
Years Since Installation:	21.26 (as of 10/01/15)
Data Repeater:	White Tank Peak
County:	Maricopa
Latitude:	33° 30' 41.1" (33.51141)
Longitude:	112° 19' 25.6" (112.32376)
Elevation:	1,030 ft. msl
Location:	1/4 mi. N of Camelback and El Mirage Rd.
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:	17	
Number of storms greater than 2 inches in 24 hours:	2	
Number of storms greater than 3 inches in 24 hours:	0	
		Approx. Tr
Greatest 15 minute total:	0.67" on 07/05/11	6 years
Greatest 1 hour total:	1.18" on 08/01/14	7 years
Greatest 3 hour total:	1.42" on 09/08/14	10 years
Greatest 6 hour total:	1.77" on 09/08/14	16 years
Greatest 24 hour total:	2.36" on 09/08/14	13 years
Greatest 72 hour total:	3.03" on 01/21/10	20 years

Water Year Totals: (Mean of Complete Water Years [21] = 5.70 inches)

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	7.72	2000	2.56
2019		2009	3.90	1999	5.04
2018		2008	6.89	1998	8.90
2017		2007	2.83	1997	2.99
2016		2006	5.20	1996	4.17
2015	4.88	2005	10.55	1995	6.73
2014	11.50	2004	4.72	1994	M
2013	3.90	2003	7.28	1993	
2012	4.29	2002	2.32	1992	
2011	4.69	2001	8.58	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 Colter Channel @ El Mirage Rd. (gage # 5405) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.12									
2												
3												
4	.08	.24								.12		
5		.20									.12	
6												
7		.16										
8												
9												
10												.04
11										.12		
12			.16							.04		
13		.16	.31							.04		
14			.12									
15												
16												
17			.04								.24	
18			.12			.51						
19						.04						
20												
21											.87	
22											.12	
23											.28	
24												
25												
26	.08											
27												
28												
29												
30						----						
31		----				----	----		----			----
SUM	0.16	0.75	0.87	0.00	0.00	0.55	0.00	0.00	0.00	0.31	1.61	0.04
ACC	0.16	0.91	1.77	1.77	1.77	2.32	2.32	2.32	2.32	2.64	4.25	4.29
MAX	0.08	0.24	0.31	0.00	0.00	0.51	0.00	0.00	0.00	0.12	0.87	0.04
NO.	2	4	6	0	0	2	0	0	0	4	5	1
											Maximum Daily Rainfall	0.87
											Maximum Monthly Rainfall	1.61
											Total Annual Rainfall	4.29
											Number of Days with Rain	24

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Colter Channel @ El Mirage Rd. (gage # 5405) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3										.24		
4	.24											
5	.08									.87		
6							.04					
7												
8												
9							.16					
10							.04					
11										.04		
12												
13												
14												
15												
16			.12									
17												
18												
19					.35							
20					.08							
21	.12		.04			.20						
22			.47									
23			.04									
24												
25										.12		
26					.16							
27					.24							
28												
29			.67		----							
30			.28		----					.08		
31		----			----		----		----	.04		----
SUM	0.43	0.00	1.61	0.00	0.83	0.20	0.24	0.00	0.00	1.38	0.00	0.00
ACC	0.43	0.43	2.05	2.05	2.87	3.07	3.31	3.31	3.31	4.69	4.69	4.69
MAX	0.24	0.00	0.67	0.00	0.35	0.20	0.16	0.00	0.00	0.87	0.00	0.00
NO.	3	0	6	0	4	1	3	0	0	6	0	0
										Maximum Daily Rainfall		0.87
										Maximum Monthly Rainfall		1.61
										Total Annual Rainfall		4.69
										Number of Days with Rain		23

Annual Total (mm): 119

Days Down: 0

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Colter Channel @ EI Mirage Rd. (gage # 5405) for Water Year 2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.12	
2												
3												
4												
5												
6												
7			.79		.16	.71					.12	
8						.04						
9												
10					.04							
11												
12					----							
13					----							
14												
15												
16												
17											.39	
18				.04								
19				1.18								
20					.12							
21				1.85	.31						.31	
22					.08						.20	
23				----		.12						
24				----								
25				----								
26				----								
27					.12							
28					.47							
29					----					.39		
30					----							
31		----			----		----		----	.16		----
SUM	0.00	0.00	0.79	3.07	1.30	0.87	0.00	0.00	0.00	0.55	1.14	0.00
ACC	0.00	0.00	0.79	3.86	5.16	6.03	6.03	6.03	6.03	6.58	7.72	7.72
MAX	0.00	0.00	0.79	1.85	0.47	0.71	0.00	0.00	0.00	0.39	0.39	0.00
NO.	0	0	1	3	7	3	0	0	0	2	5	0
	Maximum Daily Rainfall											1.85
	Maximum Monthly Rainfall											3.07
	Estimated Annual Rainfall											7.72
	Number of Days with Rain											21

Notes:

Annual rainfall in millimeters: 196

Gage 5405 down from 01/20 12:47 (51) through 01/27 10:14 (98) due to transmitter (and memory) failure; rainfall **estimated** from radar and nearby gages.

Gage 5405 down from 02/11 22:13 (10) through 02/14 04:13 (10) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Colter @ El Mirage (gage # 5405) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1			.39										
2					----								
3													
4													
5				.04									
6													
7			.39	.51							.24		
8											.08		
9													
10										.83			
11			.04							.08			
12													
13								.04		.04			
14										.04			
15					.04								
16													
17													
18													
19													
20					.12					.16			
21													
22					.04								
23								.08					
24				.20				.08					
25											.08		
26											.20		
27				1.30									
28				.04									
29											.08		
30		1.77			----								
31		----			----		----		----			----	
SUM	0.00	1.77	0.83	2.09	0.20	0.00	0.00	0.20	0.00	1.14	0.67	0.00	
ACC	0.00	1.77	2.60	4.69	4.88	4.88	4.88	5.08	5.08	6.22	6.89	6.89	
MAX	0.00	1.77	0.39	1.30	0.12	0.00	0.00	0.08	0.00	0.83	0.24	0.00	
NO.	0	1	3	5	3	0	0	3	0	5	5	0	
												Maximum Daily Rainfall	1.77
												Maximum Monthly Rainfall	2.09
												Total Annual Rainfall	6.89
												Number of Days with Rain	25

Notes:

Annual rainfall in millimeters: 175 Total down-time: 2.75 days
 Gage 5405 down from 1/31 23:48 (119) through 2/03 17:48 (119) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Colter @ El Mirage (gage # 5405) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.83	
2												
3												
4											.04	
5												
6												
7												
8												
9												
10												
11												
12												
13												
14	.04											
15												
16												
17												
18												
19				.12	.35							
20												
21				.08			.08					
22			.08			.67						
23												
24										.04		
25										.08	.28	
26												
27												
28												
29					----							
30					----					.04		
31		----		.12	----		----		----			----
SUM	0.04	0.00	0.08	0.31	0.35	0.67	0.08	0.00	0.00	0.16	1.14	0.00
ACC	0.04	0.04	0.12	0.43	0.79	1.46	1.54	1.54	1.54	1.69	2.83	2.83
MAX	0.04	0.00	0.08	0.12	0.35	0.67	0.08	0.00	0.00	0.08	0.83	0.00
NO.	1	0	1	3	1	1	1	0	0	3	3	0
											Maximum Daily Rainfall	0.83
											Maximum Monthly Rainfall	1.14
											Total Annual Rainfall	2.83
											Number of Days with Rain	14

Notes:

Annual rainfall in millimeters: 72

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Colter Channel @ El Mirage (gage # 5405) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												1.30
3												.28
4												.04
5												
6												
7												.04
8												
9												
10												
11						1.18					.87	
12											.24	
13												
14											.08	
15												
16												
17					----							
18	.51											
19						.04						
20												
21						.04				.08		
22				----							.08	
23										.24		
24												
25										.08		
26										.12		
27												
28												
29					----							
30					----		----					
31		----			----		----		----			----
SUM	0.51	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.51	1.26	1.65
ACC	0.51	0.51	0.51	0.51	0.51	1.77	1.77	1.77	1.77	2.28	3.54	5.20
MAX	0.51	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.24	0.87	1.30
NO.	1	0	0	0	0	3	0	0	0	4	4	4
Maximum Daily Rainfall												1.30
Maximum Monthly Rainfall												1.65
Total Annual Rainfall												5.20
Number of Days with Rain												16

Notes:

Annual rainfall in millimeters: 132

Total down-time: 4.71 days

Gage 5405 down from 1/21 03:32 (13) through 1/23 09:52 (13) due to repeater failure; no rain fell.

Gage 5405 down from 4/29 00:27 (45) through 5/01 11:17 (45) due to transmitter failure; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Colter @ El Mirage (gage # 5405) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2						.04	.91						
3						.04							
4						.43	.31					.12	
5													
6													
7													
8													
9							.16						
10	.16												
11			.20										
12		.71											
13						.04							
14										.04			
15													
16											.12		
17													
18											.08	.31	
19											.04		
20													
21													
22				.16	.04								
23					.67								
24											.08		
25													
26			.04							.04			
27													
28													
29													
30													
31													
SUM	0.16	0.71	0.24	0.16	0.71	0.55	1.38	0.00	0.00	0.08	0.31	0.43	
ACC	0.16	0.87	1.10	1.26	1.97	2.52	3.90	3.90	3.90	3.98	4.29	4.72	
MAX	0.16	0.71	0.20	0.16	0.67	0.43	0.91	0.00	0.00	0.04	0.12	0.31	
NO.	1	1	2	1	2	4	3	0	0	2	4	2	
												Maximum Daily Rainfall	0.91
												Maximum Monthly Rainfall	1.38
												Total Annual Rainfall	4.72
												Number of Days with Rain	22

Notes:

Annual rainfall in millimeters: 120

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Colter @ El Mirage Rd. (gage # 5405) for Water Year 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1							.08								
2															
3				.04											
4					.83							.16			
5										.12					
6			.04			.04					.04	.08			
7			.35			----				.47	.55				
8					.47	----									
9					.12	----						.20			
10				.24											
11		.08					.04					.87			
12							.04								
13															
14		.08			.08	.24									
15					.59	.04									
16															
17					.91										
18															
19										.47					
20					.08										
21			.31												
22			.16												
23															
24					.20										
25															
26						.31									
27															
28						.31									
29					----	.28									
30					----										
31		----			----		----		----			----			
SUM	0.00	0.16	0.87	0.28	3.27	1.22	0.16	0.00	0.00	1.06	0.59	1.30			
ACC	0.00	0.16	1.02	1.30	4.57	5.79	5.94	5.94	5.94	7.01	7.60	8.90			
MAX	0.00	0.08	0.35	0.24	0.91	0.31	0.08	0.00	0.00	0.47	0.55	0.87			
NO.	0	2	4	2	8	6	3	0	0	3	2	4			
												Maximum Daily Rainfall	0.91		
													Maximum Monthly Rainfall	3.27	
														Total Annual Rainfall	8.90
														Number of Days with Rain	34

Notes:

Annual rainfall in millimeters: 226 Total down-time: 4.0 days
 Gage down from 3/06 11:51 (116) through 3/10 11:06 (117) due to battery failure; assigned 1mm to 3/06.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Colter Channel @ El Mirage (gage # 5405) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												.24
2												
3							.39				.12	
4												
5												
6												.04
7												
8											.47	
9												
10												
11												.24
12												.04
13				.35								
14	.04											
15												
16												
17												
18												
19												
20												
21												
22										.04		
23												
24												
25												
26				.04								.04
27					.79							
28					.16							
29												
30												
31												
SUM	0.04	0.00	0.00	0.39	0.94	0.00	0.39	0.00	0.00	0.04	0.59	0.59
ACC	0.04	0.04	0.04	0.43	1.38	1.38	1.77	1.77	1.77	1.81	2.40	2.99
MAX	0.04	0.00	0.00	0.35	0.79	0.00	0.39	0.00	0.00	0.04	0.47	0.24
NO.	1	0	0	2	2	0	1	0	0	1	2	5
							Maximum Daily Rainfall					0.79
							Maximum Monthly Rainfall					0.94
							Total Annual Rainfall					2.99
							Number of Days with Rain					14

Notes:

Annual rainfall in millimeters: 76 Total down-time: 8.9 days
Gage down from 10/4/96 21:54 (0) through 10/7/96 9:54 (0) due to battery failure; no rain fell.
Gage down from 12/27/96 21:54 (1) through 12/31/96 9:55 (1) for unknown reason; no rain fell.
Gage down from 8/8/97 20:18 (61) through 8/11/97 17:06 (61) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Colter @ El Mirage (gage # 5405) for Water Year 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					.08							
2												.12
3												
4												.24
5												
6												
7												
8												
9												
10												
11												.51
12												
13					.04	.12						
14						.79				.31	.71	
15										.20		
16												
17												
18												
19												
20												
21												
22												
23												
24												
25					.43					.12		
26					.04					.04		
27										.04		
28												
29											.20	
30												
31				.20								
SUM	0.00	0.00	0.00	0.20	0.59	0.91	0.00	0.00	0.00	0.71	0.91	0.87
ACC	0.00	0.00	0.00	0.20	0.79	1.69	1.69	1.69	1.69	2.40	3.31	4.17
MAX	0.00	0.00	0.00	0.20	0.43	0.79	0.00	0.00	0.00	0.31	0.71	0.51
NO.	0	0	0	1	4	2	0	0	0	5	2	3
	Maximum Daily Rainfall											0.79
	Maximum Monthly Rainfall											0.91
	Total Annual Rainfall											4.17
	Number of Days with Rain											17

Notes:

Annual Rainfall in mm: 106

Gage down from 8/23 21:54 (79) through 8/26 09:54 (79) for unknown reason; no rain fell.

Gage down from 9/20 21:54 (106) through 9/23 21:54 (106) for unknown reason, no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Colter @ El Mirage (gauge # 5405) for Water Year 1994

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4												0.67	
5													
6													
7													
8													
9													
10													
11												0.35	
12													
13												0.24	
14													
15													
16													
17													
18										0.04			
19													
20												0.08	
21												0.31	
22													
23													
24													
25													
26													
27													
28										0.28			
29													
30													
31													
SUM									0.00	0.31	0.00	1.65	
ACC									0.00	0.31	0.31	1.97	
MAX									0.00	0.28	0.00	0.67	
NO.									0	2	0	5	
									Maximum Daily Rainfall		0.67		
									Maximum Monthly Rainfall		1.65		
									Partial Annual Rainfall		1.97		
									Number of Days with Rain		7		

Notes:

Partial annual rainfall in mm: 50
Gage installed 6/29/94.