

Daily Rainfall for Fiscal Year 2018-2019 (inches) **
Santa Ana Watershed

Day	Jul						Aug						Sep						
	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	
1						0.00						0.00							0.00
2						0.00						0.00							0.00
3						0.00						0.00							0.00
4						0.00						0.00							0.00
5						0.00						0.00							0.00
6						0.00						0.00							0.00
7						0.00						0.00							0.00
8					0.02	0.00						0.00			0.02				0.00
9						0.00						0.00							0.00
10						0.00					0.06	0.01							0.00
11						0.00						0.00							0.00
12				0.05		0.01						0.00							0.00
13						0.00						0.00							0.00
14						0.00						0.00							0.00
15						0.00						0.00							0.00
16						0.00			0.01			0.00							0.00
17						0.00						0.00							0.00
18	0.13				0.05	0.04						0.00							0.00
19	0.02					0.00						0.00							0.00
20						0.00						0.00							0.00
21						0.00						0.00							0.00
22						0.00						0.00							0.00
23						0.00						0.00							0.00
24						0.00						0.00							0.00
25						0.00			0.04			0.01							0.00
26						0.00						0.00							0.00
27						0.00						0.00							0.00
28						0.00						0.00							0.00
29						0.00						0.00							0.00
30						0.00						0.00							0.00
31						0.00						0.00							0.00
Sum	0.15	0.00	0.00	0.05	0.07		0.00	0.00	0.05	0.00	0.06		0.00	0.00	0.02	0.00	0.00		
Total	0.15	0.00	0.00	0.05	0.07		0.15	0.00	0.05	0.05	0.13		0.15	0.00	0.07	0.05	0.13		

** 24 Hour Precip Period (8am to 8am)

Daily Rainfall for Fiscal Year 2018-2019 (inches) **

Santa Ana Watershed

Day	Oct						Nov						Dec					
	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave
1						0.00						0.00			0.01			0.00
2			0.02			0.00						0.00					0.01	0.00
3						0.00						0.00						0.00
4	0.20	0.28	0.03	0.01	0.12	0.13						0.00						0.00
5	0.01		0.01			0.00						0.00		0.08				0.02
6						0.00						0.00	0.26	0.25	0.37	0.29	0.31	0.30
7						0.00						0.00	1.02	1.05	1.08	0.94	0.90	1.00
8						0.00						0.00			0.01	0.01		0.00
9						0.00						0.00						0.00
10						0.00						0.00						0.00
11						0.00						0.00						0.00
12						0.00						0.00						0.00
13	0.52	0.50	0.99	0.29	0.71	0.60						0.00						0.00
14	0.10	0.13	0.28	0.17	0.10	0.16						0.00						0.00
15	0.01	0.01				0.00						0.00						0.00
16						0.00						0.00						0.00
17						0.00						0.00						0.00
18						0.00						0.00			0.01			0.00
19						0.00						0.00						0.00
20						0.00						0.00						0.00
21						0.00			0.01			0.00						0.00
22						0.00	0.07	0.24	0.02	0.07	0.11	0.10						0.00
23						0.00		0.01	0.01		0.01	0.01						0.00
24						0.00						0.00						0.00
25						0.00						0.00		0.10	0.09	0.09		0.06
26						0.00						0.00	0.01	0.02		0.24	0.05	0.06
27						0.00						0.00			0.01	0.01		0.00
28						0.00						0.00						0.00
29						0.00	0.12	0.18	0.06	0.09	0.13	0.12						0.00
30						0.00	0.73	1.31	0.52	1.14	1.02	0.94						0.00
31						0.00						0.00						0.00
Sum	0.84	0.92	1.33	0.47	0.93		0.92	1.74	0.62	1.30	1.27		1.29	1.50	1.58	1.58	1.27	
Total	0.99	0.92	1.40	0.52	1.06		1.91	2.66	2.02	1.82	2.33		3.20	4.16	3.60	3.40	3.60	

** 24 Hour Precip Period (8am to 8am)

Daily Rainfall for Fiscal Year 2018-2019 (inches) **

Santa Ana Watershed

Day	Jan						Feb						Mar					
	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave
1			0.03	0.26		0.06	0.35	0.36	0.43	0.67	0.51	0.46		0.01				0.00
2						0.00	0.17	0.28	0.03	0.07	0.18	0.15	0.44	0.43	0.27	0.23	0.43	0.36
3						0.00	0.82	1.12	0.83	0.83	0.82	0.88	0.24	0.24	0.11	0.12	0.98	0.34
4						0.00	0.29	0.17	0.06	0.20	0.47	0.24		0.01		0.01		0.00
5						0.00	0.62	1.01	0.39	0.49	0.68	0.64						0.00
6	0.20	0.33	0.45	0.72	0.35	0.41	0.07	0.09	0.08	0.09	0.08	0.08	0.22	0.14	0.18	0.17	0.12	0.17
7		0.01	0.02			0.01			0.01	0.01	0.01	0.01	0.57	0.61	0.25	0.26	0.41	0.42
8					0.01	0.00						0.00	0.06	0.09	0.04	0.02	0.13	0.07
9						0.00						0.00						0.00
10						0.00	0.10	0.17	0.09	0.06	0.17	0.12						0.00
11			0.01			0.00	0.21	0.17	0.16	0.17	0.10	0.16						0.00
12	0.31	0.17	0.24	0.16	0.18	0.21		0.01	0.01	0.01		0.01	0.02	0.33	0.41	0.31	0.10	0.23
13	0.02	0.11	0.06	0.08	0.03	0.06						0.00	0.02		0.01		0.02	0.01
14			0.01			0.00	1.58	2.48	1.96	2.09	2.03	2.03				0.01		0.00
15	0.33	0.38	0.43	0.17	0.25	0.31	1.19	1.46	1.24	1.35	1.46	1.34						0.00
16	0.70	1.49	0.61	0.67	0.82	0.86	0.11	0.16	0.09	0.12	0.20	0.14						0.00
17	0.41	0.91	0.13	0.19	0.57	0.44	0.01			0.01		0.00						0.00
18	0.69	0.39	0.50	0.24	0.98	0.56	0.09	0.10	0.25	0.09	0.13	0.13						0.00
19	0.01	0.01	0.01			0.01				0.01		0.00						0.00
20				0.01		0.00			0.01		0.01	0.00						0.00
21						0.00	0.14	0.25	0.14	0.30	0.30	0.23	0.21	1.35	0.26	0.39	0.51	0.54
22						0.00	0.02	0.32	0.25	0.20	0.02	0.16	0.01	0.13	0.06	0.12	0.03	0.07
23						0.00					0.01	0.00		0.01	0.01	0.01	0.01	0.01
24						0.00						0.00						0.00
25						0.00						0.00						0.00
26						0.00						0.00						0.00
27						0.00						0.00						0.00
28						0.00		0.01				0.00						0.00
29						0.00						0.00						0.00
30						0.00						0.00						0.00
31						0.00						0.00						0.00
Sum	2.67	3.80	2.50	2.50	3.19		5.77	8.16	6.03	6.77	7.18		1.79	3.35	1.60	1.65	2.74	
Total	5.87	7.96	6.10	5.90	6.79		11.64	16.12	12.13	12.67	13.97		13.43	19.47	13.73	14.32	16.71	

** 24 Hour Precip Period (8am to 8am)

Daily Rainfall for Fiscal Year 2018-2019 (inches) **

Santa Ana Watershed

Day	Apr						May						Jun					
	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Ave
1						0.00		0.04	0.02	0.04	0.01	0.02						0.00
2						0.00						0.00				0.01		0.00
3	0.05				0.03	0.02						0.00				0.01		0.00
4	0.01					0.00						0.00						0.00
5					0.01	0.00						0.00						0.00
6						0.00						0.00						0.00
7						0.00				0.13	0.01	0.03						0.00
8						0.00						0.00						0.00
9						0.00		0.01				0.00						0.00
10						0.00	0.03	0.17		0.09	0.05	0.07						0.00
11						0.00	0.02	0.04				0.12	0.04					0.00
12						0.00						0.01	0.00					0.00
13						0.00						0.00						0.00
14						0.00						0.00						0.00
15						0.00						0.00						0.00
16						0.00	0.10	0.10	0.01			0.06	0.05					0.00
17						0.00	0.09	0.17	0.03	0.01	0.09	0.08					0.01	0.00
18						0.00						0.00		0.01				0.00
19						0.00	0.21	0.13	0.04	0.32	0.37	0.21						0.00
20						0.00	0.09	0.15	0.24	0.17	0.13	0.16						0.00
21						0.00	0.01			0.01	0.01	0.01					0.01	0.00
22						0.00						0.00						0.00
23						0.00	0.28	0.36	0.24	0.49	0.43	0.36						0.00
24						0.00	0.01	0.01	0.01	0.06	0.02	0.02						0.00
25						0.00						0.01	0.00					0.00
26						0.00				0.01		0.01	0.00					0.00
27						0.00	0.11	0.09	0.10	0.28	0.39	0.19						0.00
28						0.00				0.01	0.01	0.00						0.00
29	0.04	0.02		0.06		0.02						0.00						0.00
30		0.02		0.34	0.02	0.08						0.00						0.00
31						0.00						0.00						0.00
Sum	0.10	0.04	0.00	0.40	0.06		0.95	1.27	0.70	1.61	1.73		0.00	0.01	0.00	0.02	0.02	
Total	13.53	19.51	13.73	14.72	16.77		14.48	20.78	14.43	16.33	18.50		14.48	20.79	14.43	16.35	18.52	

** 24 Hour Precip Period (8am to 8am)

Rainfall Summary

Santa Ana Watershed - July 1997 to June 2019

Annual Rainfall (inches)					
Year *	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV
1997	11.35	12.41	8.35	9	8.18
1998	24.49	32.73	24.41	24.1	21.32
1999	6.27	6.79	5.79	6.8	5.5
2000	7.64	9.58	6.20	8.4	7.31
2001	11.22	7.73	9.10	9.4	9.52
2002	3.57	4.07	2.90	3.7	4.28
2003	15.84	16.59	13.52	13.6	16.62
2004	7.18	9.32	6.70	7.62	9.53
2005	23.90	28.90	28.80	24	26.61
2006	7.88	10.49	8.62	10.79	11.02
2007	2.74	2.54	1.60	3.37	3.28
2008	8.09	9.34	9.34	11.44	11.11
2009	7.52	9.50	8.81	8.74	9.29
2010	12.30	16.82	11.39	11.48	14.51
2011	16.43	23.25	14.97	17.07	20.24
2012	6.93	9.19	5.78	8.55	7.44
2013	6.22	6.44	4.42	6.33	7.74
2014	6.59	7.22	4.59	6.32	8.28
2015	8.96	7.29	7.01	8.79	9.57
2016	9.49	11.11	6.62	8.81	12.1
2017	13.72	17.66	14.95	14.39	15.96
2018	5.18	4.55	3.38	5.14	7.08
2019	14.48	20.79	14.43	16.35	18.52

Percent(%) of Normal = Current Year / Average Year							
Year *	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Mean(5)	Result
1997	103%	86%	70%	71%	67%	79%	dry
1998	223%	226%	204%	191%	174%	204%	very wet
1999	57%	47%	48%	54%	45%	50%	dry
2000	70%	66%	52%	67%	60%	63%	dry
2001	102%	53%	76%	75%	78%	77%	dry
2002	32%	28%	24%	29%	35%	30%	very dry
2003	144%	115%	113%	108%	136%	123%	wet
2004	65%	64%	56%	60%	78%	65%	dry
2005	217%	200%	240%	190%	218%	213%	record wet year
2006	72%	73%	72%	86%	90%	78%	dry
2007	25%	18%	13%	27%	27%	22%	very dry
2008	74%	65%	78%	91%	91%	80%	dry
2009	68%	66%	74%	69%	76%	71%	dry
2010	112%	116%	95%	91%	119%	107%	normal
2011	150%	161%	125%	135%	166%	147%	very wet
2012	63%	64%	48%	68%	61%	61%	dry
2013	57%	45%	37%	50%	63%	50%	dry
2014	60%	50%	38%	50%	68%	53%	dry
2015	82%	50%	59%	70%	78%	68%	dry
2016	86%	77%	55%	70%	99%	77%	dry
2017	125%	122%	125%	114%	131%	123%	wet
2018	47%	31%	28%	41%	58%	41%	very dry
2019	132%	144%	120%	130%	152%	135%	wet

* Fiscal Year = July 01 thru June 30

Station Information				
Name	ID No	Avg	Years	Location
Riverside	178	10.99	71	2S/5W-14
Corona	035	14.46	90	4S/7W-02
Elsinore	067	11.98	122	6S/4W-07
Hemet/SJ	186	12.61	127	4S/1W-35
Perris/MV	155	12.22	63	4S/3W-30