

# Rainfall Summary

## Santa Ana Watershed - July 1993 to June 2016

Annual Rainfall (inches)					
Year *	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV
1994	9.89	11.57	10.14	9.4	8.31
1995	21.74	24.97	18.92	20.7	17.53
1996	8.72	10.11	7.31	8.63	6.91
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

Percent(%) of Normal = Current Year / Average Year							
Year *	Riverside	Corona	Elsinore	Hemet/SJ	Perris/MV	Mean(5)	Result
1994	90%	80%	93%	75%	70%	82%	dry
1995	197%	173%	174%	166%	147%	172%	very wet
1996	79%	70%	67%	69%	58%	69%	dry
1997	103%	86%	77%	72%	69%	81%	dry
1998	222%	227%	225%	193%	179%	209%	very wet
1999	57%	47%	53%	54%	46%	52%	dry
2000	69%	67%	57%	67%	61%	64%	dry
2001	102%	54%	84%	75%	80%	79%	dry
2002	32%	28%	27%	30%	36%	31%	very dry
2003	144%	115%	124%	109%	140%	126%	wet
2004	65%	65%	62%	61%	80%	67%	dry
2005	217%	201%	265%	192%	223%	220%	record wet year
2006	72%	73%	79%	86%	93%	81%	dry
2007	25%	18%	15%	27%	28%	22%	very dry
2008	73%	65%	86%	92%	93%	82%	dry
2009	68%	66%	81%	70%	78%	73%	dry
2010	112%	117%	105%	92%	122%	109%	normal
2011	149%	161%	138%	137%	170%	151%	very wet
2012	63%	64%	53%	69%	62%	62%	dry
2013	56%	45%	41%	51%	65%	52%	dry
2014	60%	50%	42%	51%	70%	54%	dry
2015	81%	51%	64%	70%	80%	69%	dry
2016	86%	77%	61%	71%	102%	79%	dry

\* Fiscal Year = July 01 thru June 30

Station Information				
Name	ID No	Avg	Years	Location
Riverside	178	11.02	68	2S/5W-14
Corona	035	14.40	87	4S/7W-02
Elsinore	067	10.87	123	6S/4W-07
Hemet/SJ	186	12.48	124	4S/1W-35
Perris/MV	155	11.91	61	4S/3W-30

## Daily Rainfall for Fiscal Year 2015-2016 (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				0.08		0.02						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			0.06			0.01						0.00
8						0.00						0.00						0.00
9						0.00						0.00				0.23		0.05
10						0.00						0.00	0.01	0.17	0.34	0.20	0.16	0.18
11						0.00						0.00		0.01				0.00
12						0.00						0.00						0.00
13						0.00						0.00						0.00
14						0.00						0.00						0.00
15						0.00						0.00	1.22	1.57	0.07		0.85	0.74
16						0.00						0.00	0.69	0.24	0.65	0.93	0.23	0.55
17						0.00						0.00				0.02		0.00
18				0.39	0.06	0.09						0.00						0.00
19	0.41	0.39	0.65	0.45	0.44	0.47						0.00						0.00
20	0.73	0.73	0.55	0.63	1.57	0.84						0.00						0.00
21	0.01				0.01	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						0.00						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				0.11		0.02						0.00						0.00
31				0.09	0.35	0.09						0.00						0.00
Sum	1.15	1.12	1.20	1.75	2.43		0.00	0.00	0.00	0.06	0.00		1.92	1.99	1.06	1.38	1.24	
Total	1.15	1.12	1.20	1.75	2.43		1.15	1.12	1.20	1.81	2.43		3.07	3.11	2.26	3.19	3.67	

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

**Daily Rainfall for Fiscal Year 2015-2016 (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						0.00
2						0.00						0.00						0.00
3						0.00	0.06	0.09	0.02	0.04	0.13	0.07						0.00
4		0.02		0.09		0.02	0.02	0.09			0.15	0.05						0.00
5	0.06	0.13	0.02	0.22	0.33	0.15					0.01	0.00						0.00
6	0.21	0.07	0.02	0.02	0.04	0.07						0.00						0.00
7		0.01	0.01		0.01	0.01						0.00						0.00
8						0.00						0.00						0.00
9						0.00						0.00						0.00
10						0.00				0.05		0.01						0.00
11						0.00						0.00	0.02	0.03	0.07	0.02	0.07	0.04
12						0.00						0.00		0.02	0.06	0.09	0.20	0.07
13						0.00						0.00						0.00
14						0.00						0.00	0.13	0.14	0.05	0.05	0.12	0.10
15	0.06		0.02		0.54	0.12						0.00		0.01			0.01	0.00
16				0.03		0.01				0.07		0.01						0.00
17				0.01		0.00				0.01		0.00						0.00
18						0.00						0.00						0.00
19						0.00						0.00						0.00
20						0.00						0.00	0.18	0.12	0.09	0.11	0.16	0.13
21						0.00						0.00						0.00
22						0.00						0.00	0.42	0.42	0.10	0.18	0.33	0.29
23						0.00						0.00	0.10	0.02		0.01	0.06	0.04
24						0.00						0.00	0.01		0.01		0.01	0.01
25						0.00	0.09	0.02	0.02	0.06	0.17	0.07			0.01	0.01		0.00
26						0.00		0.01		0.01		0.00				0.01		0.00
27						0.00		0.05	0.01			0.01						0.00
28						0.00		0.01				0.00						0.00
29						0.00						0.00	0.09	0.02	0.01	0.05	0.07	0.05
30						0.00						0.00				0.01		0.00
31						0.00						0.00						0.00
Sum	0.33	0.23	0.07	0.37	0.92		0.17	0.27	0.05	0.24	0.46		0.95	0.78	0.40	0.54	1.03	
Total	3.40	3.34	2.33	3.56	4.59		3.57	3.61	2.38	3.80	5.05		4.52	4.39	2.78	4.34	6.08	

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

## Daily Rainfall for Fiscal Year 2015-2016 (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						0.00	0.19	0.97	0.54	0.26	0.30	0.45						0.00
2						0.00	0.01					0.00						0.00
3						0.00						0.00						0.00
4				0.01		0.00						0.00						0.00
5				0.02		0.00						0.00						0.00
6	0.94	1.16	1.02	1.27	1.05	1.09						0.00	0.13	0.20	0.07	0.09	0.07	0.11
7	1.78	2.65	1.12	0.96	1.90	1.68						0.00	0.17	0.28	0.19	0.09	0.18	0.18
8		0.01	0.01	0.01		0.01						0.00	0.32	0.17	0.17	0.46	0.57	0.34
9					0.01	0.00						0.00		0.01	0.01		0.01	0.01
10		0.02	0.01			0.01						0.00						0.00
11			0.01			0.00						0.00						0.00
12						0.00						0.00	0.24	0.46	0.16	0.22	0.26	0.27
13						0.00						0.00			0.01		0.01	0.00
14						0.00						0.00				0.05	0.07	0.02
15						0.00						0.00				0.01	0.01	0.00
16						0.00						0.00						0.00
17						0.00						0.00						0.00
18						0.00	0.25	0.31	0.20	0.17	0.19	0.22						0.00
19						0.00	0.05	0.05	0.02		0.02	0.03						0.00
20	0.04				0.06	0.02				0.01		0.00						0.00
21				0.01		0.00						0.00						0.00
22					0.01	0.00						0.00						0.00
23						0.00						0.00						0.00
24						0.00						0.00						0.00
25		0.01				0.00						0.00						0.00
26						0.00			0.01			0.00						0.00
27						0.00						0.00						0.00
28						0.00						0.00	0.02				0.01	0.01
29						0.00						0.00	0.01			0.05	0.02	0.02
30			0.01			0.00						0.00	0.09		0.01	0.05	0.06	0.04
31	0.01			0.01		0.00						0.00	0.09					0.02
Sum	2.77	3.85	2.18	2.29	3.03		0.50	1.33	0.77	0.44	0.51		1.07	1.12	0.62	1.02	1.27	
Total	7.29	8.24	4.96	6.63	9.11		7.79	9.57	5.73	7.07	9.62		8.86	10.69	6.35	8.09	10.89	

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

## Daily Rainfall for Fiscal Year 2015-2016 (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	0.01					0.00	0.02				0.01	0.01						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	0.07	0.03	0.03			0.03						0.00
7						0.00	0.09	0.21	0.01	0.45	0.09	0.17						0.00
8	0.05	0.01	0.01	0.07	0.03	0.03		0.01		0.01		0.00						0.00
9	0.06	0.09	0.02	0.06	0.40	0.13						0.00						0.00
10	0.04	0.02	0.12	0.03	0.06	0.05						0.00						0.00
11	0.01	0.01	0.02	0.02	0.21	0.05						0.00						0.00
12			0.04			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						0.00						0.00
17						0.00						0.00						0.00
18						0.00						0.00						0.00
19						0.00						0.00						0.00
20						0.00			0.01			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			0.01			0.00						0.00
26	0.08	0.02		0.06	0.32	0.10						0.00						0.00
27				0.01	0.01	0.00						0.00						0.00
28						0.00						0.00						0.00
29					0.01	0.00						0.00						0.00
30	0.20	0.02	0.01		0.06	0.06					0.01	0.00						0.00
31						0.00						0.00						0.00
Sum	0.45	0.17	0.22	0.25	1.10		0.18	0.25	0.05	0.47	0.11		0.00	0.00	0.00	0.00	0.00	
Total	9.31	10.86	6.57	8.34	11.99		9.49	11.11	6.62	8.81	12.10		9.49	11.11	6.62	8.81	12.10	

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