

# Water Conservation & Climate Overview Data for San Juan Capistrano CA<sup>1</sup>

Average rainfall: **1928-2008**

Longest period w/ no measurable precipitation: **209 days (2/28 - 9/24/1977)**

Source: [www.wrcc.dri.edu](http://www.wrcc.dri.edu)

Source: *see note #2*

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	
2.47	2.79	2.02	0.98	0.25	0.10	0.02	0.07	0.27	0.46	1.25	1.92	12.60	inches
62.7	70.9	51.3	24.9	6.4	2.5	0.5	1.8	6.9	11.7	31.8	48.8	320.0	mm

Wettest Year's Rainfall: **28.24" 1941**

Driest Year's Rainfall: **3.45" 1953**

Source: [www.wrcc.dri.edu](http://www.wrcc.dri.edu) for both statistics

Average high & low temperatures: **1928-2008** Source: [www.wrcc.dri.edu](http://www.wrcc.dri.edu)

65.1	66.1	67.1	69.0	70.9	73.1	76.5	78.1	77.5	74.5	70.4	66.1	71.2	°F high
43	44.1	45.8	48.4	53.0	56.1	59.3	59.6	58.2	53.7	47.5	43.4	51.0	°F low
18.4	18.9	19.5	20.6	21.6	22.8	24.7	25.6	25.3	23.6	21.3	18.9	21.8	°C high
6.1	6.7	7.7	9.1	11.7	13.4	15.2	15.3	14.6	12.1	8.6	6.3	10.6	°C low

Highest Temp on Record F/C: **108 42.2 Sept. 26, 1963** Coldest Temp on Record F/C: **20 -6.7 Oct. 03, 1928**

Source: [www.wrcc.dri.edu](http://www.wrcc.dri.edu) for both statistics

Area (sq miles): **14.3**

Area (km<sup>2</sup>): **37.0**

Source: [Wikipedia](http://Wikipedia)

Population: **34,839**

Year: **2006**

Source: [www.census.gov](http://www.census.gov)

Municipal GPCD: **180.0**

Municipal LPCD: **681.4**

Year: **2009**

Source: [pacificprogressive.com](http://pacificprogressive.com), 7/15/2009, for South Coast (Region 4)

Note: the percentages below are per energy source, and are not to be combined for percent of total energy consumption.

% of CA's annual electricity consumption used for water-related purposes:<sup>3</sup> **19% 2005**

% of CA's annual natural gas consumption used for water-related purposes:<sup>3</sup> **32% 2005**

# of gallons of diesel fuel used by annually in CA for water-related purposes:<sup>3</sup> **88 mil 2005**

Rainfall GPCD: **246.2**

Rainfall LPCD: **932.1**

Notes: 1. All rainfall and climate data are for Laguna Beach, CA, per recommendation of Jim Ashby of WRCC, as San Juan Capistrano does not have its own weather station // 2. Jim Ashby, Service Climatologist, WRCC, phone conversation 5/5/2010 // 3. California Energy Commission, *Final Staff Report on California's Water-Energy Relationship*, 2005. These figures include energy consumption for supply & treatment, agricultural use, end-users & wastewater.

Available online at: [www.harvestingrainwater.com/rainwater-harvesting-inforesources/water-harvesting-handouts/water-conservation-and-climate-overview-data-sheets/](http://www.harvestingrainwater.com/rainwater-harvesting-inforesources/water-harvesting-handouts/water-conservation-and-climate-overview-data-sheets/)