



StreamStats Data-Collection Station Report

USGS Station Number 11390672
Station Name STONE CORRAL C NR SITES CA

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Descriptive Information

Station Type Streamgauge, continuous record
 Location
 Gage
 Regulation and Diversions
 Regulated? False
 Period of Record
 Remarks
 Latitude (degrees NAD83) 39.2882206
 Longitude (degrees NAD83) -122.30109089
 Hydrologic unit code 18020104
 County -
 HCDN2009 No

Physical Characteristics

Characteristic Name	Value	Units	Citation Number
Descriptive Information			
High_Flow_Region_Code	1	dimensionless	230
High_Flow_Regression_Equation	Y	Yes or No	230
Datum_of_Latitude_Longitude	NAD83	dimensionless	30
District_Code	06	dimensionless	30
Begin_date_of_record	4/1/1958	days	41
End_date_of_record	9/30/1985	days	41
Number_of_days_of_record	9680	days	41
Number_of_days_GT_0	3930	days	41
Precipitation Statistics			
24_Hour_2_Year_Precipitation	2.5000	inches	31
Mean_Annual_Precipitation	21.28	inches	230
Temperature Statistics			
Mean_Min_January_Temperature	34.000	degrees F	31
Topographical Characteristics			
Elevation_of_10_and_85_points	600.000	feet	31
Mean_Basin_Elevation	785	feet	230
Land Cover Characteristics			
Percent_Forest	50.000	percent	31
Percent_Storage	0.1000	percent	31
Stream Channel Properties			
Main_Channel_Length	12.000	miles	31
Stream_Slope_10_and_85_Method	62.200	feet per mi	31
Basin Dimensional Characteristics			
Contributing_Drainage_Area	38.200	square miles	31
Drainage_Area	38.4	square miles	230

Streamflow Statistics

Statistic Name	Value	Units	Citation Number	Years of Record Preferred?	Standard Error, percent	Variance log-10	Lower 95% Confidence Interval	Upper 95% Confidence Interval
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Peak-Flow Statistics

42_9_percent_AEP_flood	545.000	cubic feet per second	31	Y					
50_percent_AEP_flood	1840	cubic feet per second	230	Y	28	13.79	0.00355240004		10
20_percent_AEP_flood	3160	cubic feet per second	230	Y	28	13.26	0.0032885999		10
10_percent_AEP_flood	4040	cubic feet per second	230	Y	28	14.44	0.00389129994		10
4_percent_AEP_flood	5120	cubic feet per second	230	Y	28	17.07	0.00541870017		10
2_percent_AEP_flood	5880	cubic feet per second	230	Y	28	19.59	0.00710200006		10
1_percent_AEP_flood	6590	cubic feet per second	230	Y	28	22.39	0.00922220014		10
0_5_percent_AEP_flood	7270	cubic feet per second	230	Y	28	25.36	0.0117579997		10
0_2_percent_AEP_flood	8120	cubic feet per second	230	Y	28	29.47	0.0157030001		10
Regression_est_50_Percent_AEP_flood	997	cubic feet per second	230	Y		59.56	0.0572599992		
Regression_est_20_Percent_AEP_flood	2190	cubic feet per second	230	Y		48.33	0.0395909995		
Regression_est_10_Percent_AEP_flood	3090	cubic feet per second	230	Y		45.37	0.0353070013		
Regression_est_4_Percent_AEP_flood	4310	cubic feet per second	230	Y		43.87	0.0332049988		
Regression_est_2_Percent_AEP_flood	5260	cubic feet per second	230	Y		44.08	0.0334899984		
Regression_est_1_Percent_AEP_flood	6260	cubic feet per second	230	Y		45.71	0.0357920006		
Regression_est_0_5_Percent_AEP_flood	7220	cubic feet per second	230	Y		46.02	0.0362339988		
Regression_est_0_2_Percent_AEP_flood	8520	cubic feet per second	230	Y		47.71	0.0386780016		
Weighted_20_percent_AEP_flood	3070	cubic feet per second	230	Y		12.74	0.00303640007		
Weighted_10_percent_AEP_flood	3940	cubic feet per second	230	Y		13.7	0.00350499991		
Weighted_4_percent_AEP_flood	5000	cubic feet per second	230	Y		15.81	0.00465840008		
Weighted_2_percent_AEP_flood	5760	cubic feet per second	230	Y		17.76	0.00585940015		
Weighted_1_percent_AEP_flood	6520	cubic feet per second	230	Y		19.91	0.00733279996		
Weighted_0_5_percent_AEP_flood	7260	cubic feet per second	230	Y		21.952245162578	0.00887710042		
Weighted_0_2_percent_AEP_flood	8230	cubic feet per	230	Y		24.7	0.0111689996		

		second				
WRC_Mean	3.282515	Log base 10	219	Y		
WRC_STD	0.240168	Log base 10	219	Y		
WRC_Skew	0.29515	Log base 10	219	Y		
Systematic_peak_years	28	years	219	Y		
Peak_years_with_historic_adjustment	28	years	230	N		
Weighted_50_percent_AEP_flood	1780	cubic feet per second	230	Y	13.38	0.00334489997
Regional_skew	-0.601161453808793	Log base 10	219	Y		
Regional_skew_mean_squared_error	0.14	Log base 10 squared	219	Y		
Period_of_record_of_historic_peaks	1958-1985	years	219	Y		
Flow-Duration Statistics						
1_Percent_Duration	215	cubic feet per second	325	Y	26	10
2_Percent_Duration	84	cubic feet per second	325	Y	26	10
3_Percent_Duration	51	cubic feet per second	325	Y	26	10
5_Percent_Duration	25	cubic feet per second	325	Y	26	10
10_Percent_Duration	7.3	cubic feet per second	325	Y	26	10
15_Percent_Duration	3.3	cubic feet per second	325	Y	26	10
20_Percent_Duration	1.4	cubic feet per second	325	Y	26	10
25_Percent_Duration	0.68	cubic feet per second	325	Y	26	10
30_Percent_Duration	0.3	cubic feet per second	325	Y	26	10
35_Percent_Duration	0.11	cubic feet per second	325	Y	26	10
40_Percent_Duration	0.02	cubic feet per second	325	Y	26	10
45_Percent_Duration	0	cubic feet per second	325	Y	26	10
50_Percent_Duration	0	cubic feet per second	325	Y	26	10
55_Percent_Duration	0	cubic feet per second	325	Y	26	10
60_Percent_Duration	0	cubic feet per second	325	Y	26	10
65_Percent_Duration	0	cubic feet per second	325	Y	26	10
70_Percent_Duration	0	cubic feet per second	325	Y	26	10
75_Percent_Duration	0	cubic feet per second	325	Y	26	10
80_Percent_Duration	0	cubic feet per second	325	Y	26	10
85_Percent_Duration	0	cubic feet per second	325	Y	26	10
90_Percent_Duration	0	cubic feet per second	325	Y	26	10
95_Percent_Duration	0	cubic feet per second	325	Y	26	10
97_Percent_Duration	0	cubic feet per second	325	Y	26	10
98_Percent_Duration	0	cubic feet per second	325	Y	26	10
99_Percent_Duration	0	cubic feet per second	325	Y	26	10
Annual Flow Statistics						
Mean_Annual_Flow	9	cubic feet per second	325	Y	26	10
Stand_Dev_of_Mean_Annual_Flow	12	cubic feet per second	325	Y	26	10
Maximum_Annual_Mean_Flow	55	cubic feet per second	325	Y	26	10
Minimum_Annual_Mean_Flow	0	cubic feet per second	325	Y	26	10

General Flow Statistics

Minimum_daily_flow	0	cubic feet per second	325	Y	26	10
Maximum_daily_flow	2230	cubic feet per second	325	Y	26	10
Std_Dev_of_daily_flows	68	cubic feet per second	325	Y	26	10
Average_daily_streamflow	9.124	cubic feet per second	41	Y	26	
Harmonic_Mean_Streamflow	0.11	cubic feet per second	325	Y	26	10
Mean_of_Logs_of_Daily_Values	0.229548	Log base 10	325	Y	26	10
Std_Dev_of_Logs_of_Daily_Values	0.954972	Log base 10	325	Y	26	10
Skew_of_Logs_of_Daily_Values	0.38818	Log base 10	325	Y	26	10
Non_Zero_Adjusted_Harmonic_Mean_Flow	0.28	cubic feet per second	325	Y	26	10

Base Flow Statistics

Number_of_years_to_compute_BFI	26	years	42	Y	26
Average_BFI_value	0.183	dimensionless	42	Y	26
Std_dev_of_annual_BFI_values	0.168	dimensionless	42	Y	26

Probability Statistics

Probability_flow_durations_are_zero	0.597031	dimensionless	325	Y	26	10
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Citations

Citation Number	Citation Name and URL
31	Imported from Basin Characteristics file
41	Wolock, D.M., 2003, Flow characteristics at U.S. Geological Survey streamgages in the conterminous United States: U.S. Geological Survey Open-File Report 03-146, digital data set
42	Wolock, D.M., 2003, Base-flow index grid for the conterminous United States: U.S. Geological Survey Open-File Report 03-263, digital data set
219	Parrett, C., Veilleux, A., Stedinger, J.R., Barth, N.A., Knifong, D.L., and Ferris, J.C., 2011, Regional skew for California, and flood frequency for selected sites in the Sacramento-San Joaquin River Basin, based on data through water year 2006: U.S. Geological Survey Scientific Investigations Report 2010-5260, 94 p.
230	Gotvald, A.J., Barth, N.A., Veilleux, A.G., and Parrett, Charles, 2012, Methods for determining magnitude and frequency of floods in California, based on data through water year 2006: U.S. Geological Survey Scientific Investigations Report 2012-5113, 38 p., 1 pl.
325	Granato G.E., Ries, K.G., III, and Steeves, P.A., 2017, Compilation of streamflow statistics calculated from daily mean streamflow data collected during water years 1901-2015 for selected U.S. Geological Survey streamgages: U.S. Geological Survey Open-File Report 2017-1108, 17 p.