



StreamStats Data-Collection Station Report

USGS Station Number 11390500
Station Name SACRAMENTO R BL WILKINS SLOUGH NR GRIMES CA

[Click here to link to available data on NWIS-Web for this site.](#)

Descriptive Information

Station Type Streamgage, continuous record
 Location Lat 39°00'36", long 121°49'25" referenced to North American Datum of 1927, in NW 1/4 NE 1/4 sec.02, T.13 N., R.1 E., Colusa County, CA, Hydrologic Unit 18020104, on right bank, 1,200 ft downstream from Wilkins Slough, 5.8 mi southeast of Grimes, and at mile 62.9 upstream from Sacramento.
 Gage Water-stage recorder and crest-stage gage. Datum of gage is 3.00 ft below NGVD of 1929.
 Regulation and Diversions Flow is regulated by storage reservoir, power developments, bypassing for flood control, diversions for irrigation, and return flow from irrigated areas.
 Large diversions for irrigation above station. The Tisdale Weir diverts flow approximately one mile above gage. Intake structure located just upstream of the gage.
 Regulated? Unknown
 Period of Record
 Remarks
 Latitude (degrees NAD83) 39.00989476
 Longitude (degrees NAD83) -121.82469004
 Hydrologic unit code 18020104
 County -
 HCDN2009 No

Physical Characteristics

Characteristic Name	Value	Units	Citation Number
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Descriptive Information

Datum_of_Latitude_Longitude	NAD83	dimensionless	30
District_Code	06	dimensionless	30
Begin_date_of_record	10/1/1938	days	41
End_date_of_record	9/30/2003	days	41
Number_of_days_of_record	23741	days	41
Number_of_days_GT_0	23741	days	41

Basin Dimensional Characteristics

Drainage_Area	12915	square miles	30
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Streamflow Statistics

Statistic Name	Value	Units	Citation Number	Years of Record	Standard Error, percent	Variance log-10	Lower 95% Confidence Interval	Upper 95% Confidence Interval	Start Date	End Date	Remark
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Flow-Duration Statistics

1_Percent_Duration	28300	cubic feet per second	325	Y	77				10/1/1938	9/30/2015	
2_Percent_Duration	27200	cubic feet per second	325	Y	77				10/1/1938	9/30/2015	
3_Percent_Duration	26500	cubic feet per second	325	Y	77				10/1/1938	9/30/2015	
5_Percent_Duration	25200	cubic feet per second	325	Y	77				10/1/1938	9/30/2015	
10_Percent_Duration	21400	cubic feet per second	325	Y	77				10/1/1938	9/30/2015	

15_Percent_Duration	17700	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
20_Percent_Duration	14000	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
25_Percent_Duration	11600	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
30_Percent_Duration	10200	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
35_Percent_Duration	9370	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
40_Percent_Duration	8750	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
45_Percent_Duration	8190	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
50_Percent_Duration	7720	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
55_Percent_Duration	7280	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
60_Percent_Duration	6870	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
65_Percent_Duration	6510	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
70_Percent_Duration	6160	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
75_Percent_Duration	5790	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
80_Percent_Duration	5440	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
85_Percent_Duration	5120	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
90_Percent_Duration	4680	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
95_Percent_Duration	3950	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
97_Percent_Duration	3470	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
98_Percent_Duration	2980	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
99_Percent_Duration	2070	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Annual Flow Statistics						
Mean_Annual_Flow	10100	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Stand_Dev_of_Mean_Annual_Flow	2980	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Maximum_Annual_Mean_Flow	18000	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Minimum_Annual_Mean_Flow	4770	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
General Flow Statistics						
Minimum_daily_flow	645	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Maximum_daily_flow	32600	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Std_Dev_of_daily_flows	6410	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Average_daily_streamflow	10237.555	cubic feet per second	41	Y	66	
Harmonic_Mean_Streamflow	7220	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Mean_of_Logs_of_Daily_Values	3.928582	Log base 10	325	Y	77	10/1/1938 9/30/2015
Std_Dev_of_Logs_of_Daily_Values	0.248959	Log base 10	325	Y	77	10/1/1938 9/30/2015
Skew_of_Logs_of_Daily_Values	0.213442	Log base 10	325	Y	77	10/1/1938 9/30/2015
Non_Zero_Adjusted_Harmonic_Mean_Flow	7220	cubic feet per second	325	Y	77	10/1/1938 9/30/2015
Base Flow Statistics						
Number_of_years_to_compute_BFI	65	years	42	Y	66	
Average_BFI_value	0.857	dimensionless	42	Y	66	
Std_dev_of_annual_BFI_values	0.053	dimensionless	42	Y	66	
Probability Statistics						
Probability_flow_durations_are_zero	0	dimensionless	325	Y	77	10/1/1938 9/30/2015

Citations

Citation Number	Citation Name and URL
30	Imported from NWIS 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
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.
