

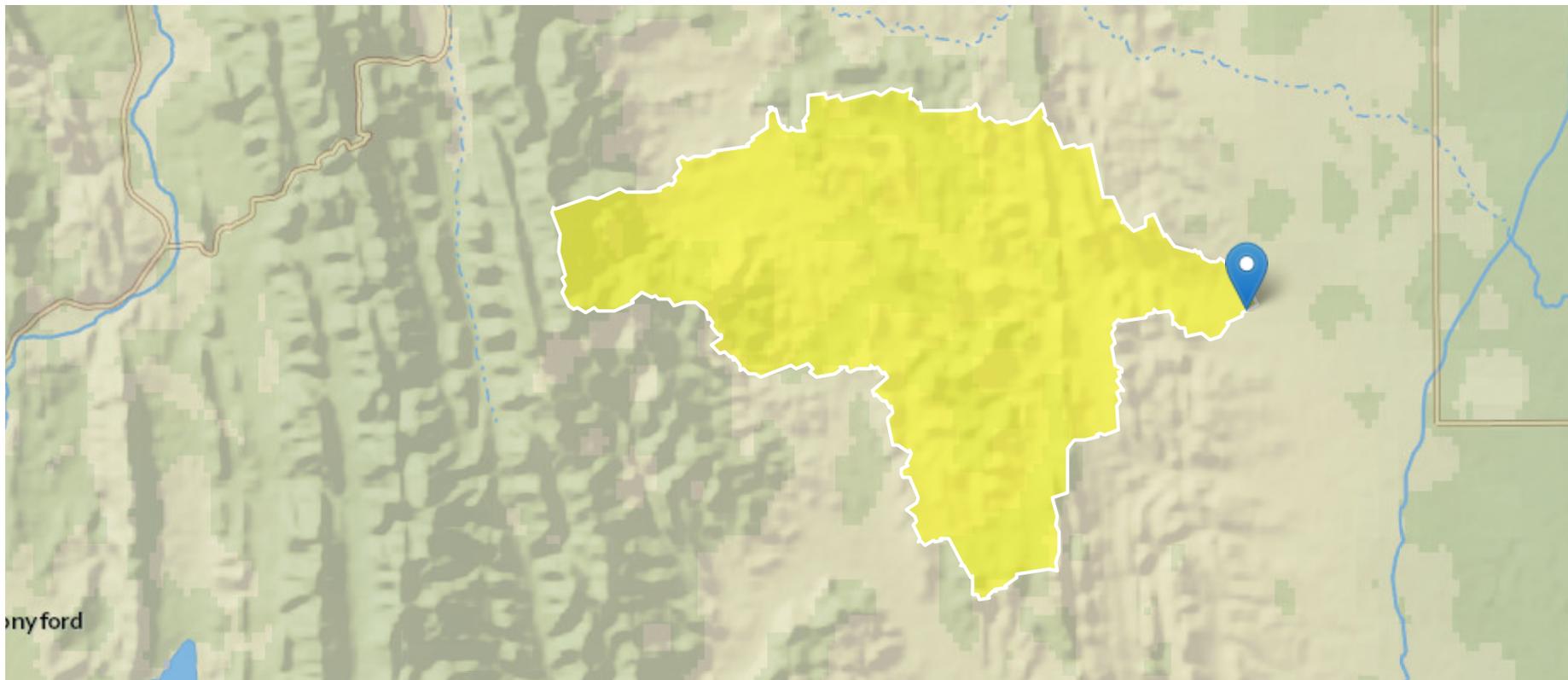
USGS StreamStats Report Hunters Creek

Region ID: CA

Workspace ID: CA20220422220951842000

Clicked Point (Latitude, Longitude): 39.42436, -122.28714

Time: 2022-04-22 15:10:23 -0700



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
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Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	19.2	square miles
LC11DEV	Percentage of developed (urban) land from NLCD 2011 classes 21-24	0.1	percent
PRECIP	Mean Annual Precipitation	20.2	inches

Peak-Flow Statistics Parameters [2012 5113 Region 1 North Coast]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	19.2	square miles	0.04	3200
PRECIP	Mean Annual Precipitation	20.2	inches	20	125

Peak-Flow Statistics Flow Report [2012 5113 Region 1 North Coast]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, ASEp: Average Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	PII	Plu	ASEp
50-percent AEP flood	505	ft ³ /s	203	1260	58.6
20-percent AEP flood	1140	ft ³ /s	534	2430	47.4
10-percent AEP flood	1610	ft ³ /s	782	3320	44.2
4-percent AEP flood	2270	ft ³ /s	1130	4550	42.7
2-percent AEP flood	2790	ft ³ /s	1390	5620	42.7
1-percent AEP flood	3330	ft ³ /s	1610	6880	44.3
0.5-percent AEP flood	3850	ft ³ /s	1860	7990	44.4
0.2-percent AEP flood	4570	ft ³ /s	2150	9730	46

Peak-Flow Statistics Citations

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. (<http://pubs.usgs.gov/sir/2012/5113/>)

Bankfull Statistics Parameters [Pacific Mountain System D Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	19.2	square miles	6.1776	8079.9147

Bankfull Statistics Parameters [Pacific Border P Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	19.2	square miles	6.169878	3938.976756

Bankfull Statistics Parameters [USA Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	19.2	square miles	0.07722	59927.7393

Bankfull Statistics Flow Report [Pacific Mountain System D Bieger 2015]

Statistic	Value	Unit
Bieger_D_channel_width	43	ft
Bieger_D_channel_depth	2.38	ft
Bieger_D_channel_cross_sectional_area	120	ft ²

Bankfull Statistics Flow Report [Pacific Border P Bieger 2015]

Statistic	Value	Unit
Bieger_P_channel_width	40.3	ft
Bieger_P_channel_cross_sectional_area	122	ft ²
Bieger_P_channel_depth	2.5	ft

Bankfull Statistics Flow Report [USA Bieger 2015]

Statistic	Value	Unit
Bieger_USA_channel_width	35	ft
Bieger_USA_channel_depth	2.26	ft
Bieger_USA_channel_cross_sectional_area	84.3	ft ²

Bankfull Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
Bieger_D_channel_width	43	ft
Bieger_D_channel_depth	2.38	ft
Bieger_D_channel_cross_sectional_area	120	ft ²
Bieger_P_channel_width	40.3	ft
Bieger_P_channel_cross_sectional_area	122	ft ²
Bieger_P_channel_depth	2.5	ft
Bieger_USA_channel_width	35	ft
Bieger_USA_channel_depth	2.26	ft
Bieger_USA_channel_cross_sectional_area	84.3	ft ²

Bankfull Statistics Citations

Bieger, Katrin; Rathjens, Hendrik; Allen, Peter M.; and Arnold, Jeffrey G., 2015, Development and Evaluation of Bankfull Hydraulic Geometry Relationships for the Physiographic Regions of the United States, Publications from USDA-ARS / UNL Faculty, 17p. (https://digitalcommons.unl.edu/usdaarsfacpub/1515?utm_source=digitalcommons.unl.edu%2Fusdaarsfacpub%2F1515&utm_medium=PDF&utm_campaign=PDFCoverPages)

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Application Version: 4.8.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.1.2