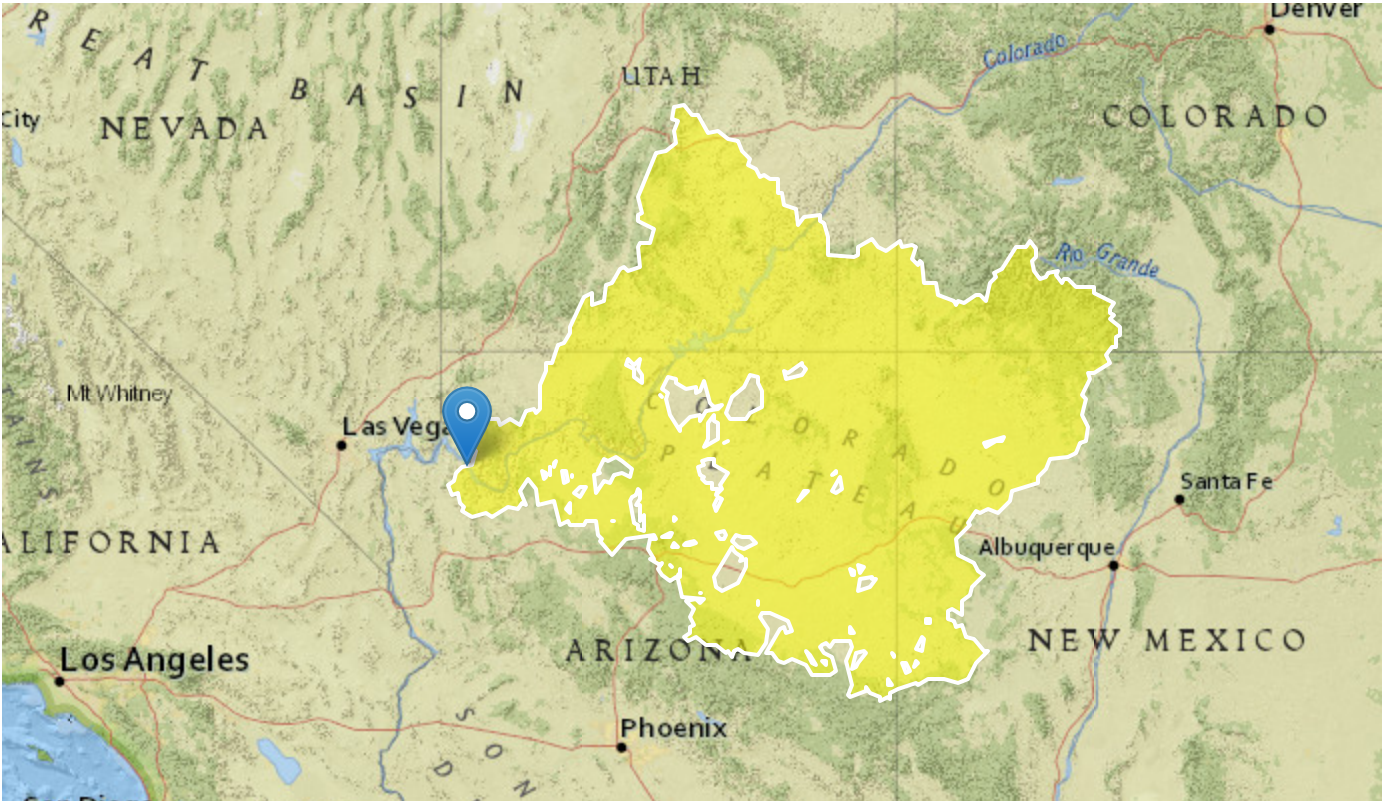


StreamStats Report

Region ID: AZ
Workspace ID: AZ20231202153904869000
Clicked Point (Latitude, Longitude): 35.97349, -113.77010
Time: 2023-12-02 08:39:47 -0700



 Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BASINPERIM	Perimeter of the drainage basin as defined in SIR 2004-5262	4896.53	miles
CONTDA	Area that contributes flow to a point on a stream	72578.12	square miles
DRNAREA	Area that drains to a point on a stream	72578.12	square miles
DRNDENSITY	Basin drainage density defined as total stream length divided by drainage area.	2.37	dimensionless

Parameter Code	Parameter Description	Value	Unit
ELEV	Mean Basin Elevation	6237.354	feet
LAT_CENT	Latitude of Basin Centroid	36.3736	decimal degrees
LC01BARE	Percentage of area barren land, NLCD 2001 category 31	5.9	percent
LC01DEV	Percentage of land-use from NLCD 2001 classes 21-24	0.7	percent
LC01FOREST	Percentage of forest from NLCD 2001 classes 41-43	21.7	percent
LC01HERB	Percentage of herbaceous upland from NLCD 2001 class 71	13.8	percent
LONG_CENT	Longitude Basin Centroid	-110.088	decimal degrees
MINBELEV	Minimum basin elevation	1153.44	feet
PRECIP	Mean Annual Precipitation	12.8	inches
STRMTOT	total length of all mapped streams (1:24,000-scale) in the basin	172239.32	miles
TEMP	Mean Annual Temperature	50.61	degrees F

➤ Peak-Flow Statistics

Peak-Flow Statistics Parameters [99.8 Percent (72400 square miles) Peak Region 2 Colorado Plateau 2014 5211]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	72578.12	square miles	0.103	16017
ELEV	Mean Basin Elevation	6237.354	feet		

Peak-Flow Statistics Disclaimers [99.8 Percent (72400 square miles) Peak Region 2 Colorado Plateau 2014 5211]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Peak-Flow Statistics Flow Report [99.8 Percent (72400 square miles) Peak Region 2 Colorado Plateau 2014 5211]

Statistic	Value	Unit
50-percent AEP flood	15200	ft ³ /s
20-percent AEP flood	29200	ft ³ /s
10-percent AEP flood	40600	ft ³ /s
4-percent AEP flood	57100	ft ³ /s
2-percent AEP flood	71300	ft ³ /s
1-percent AEP flood	86600	ft ³ /s
0.5-percent AEP flood	105000	ft ³ /s
0.2-percent AEP flood	130000	ft ³ /s

Peak-Flow Statistics Citations

Paretti, N.V., Kennedy, J.R., Turney, L.A., and Veilleux, A.G., 2014, Methods for estimating magnitude and frequency of floods in Arizona, developed with unregulated and rural peak-flow data through water year 2010: U.S. Geological Survey Scientific Investigations Report 2014-5211, 61 p., <http://dx.doi.org/10.3133/sir20145211>. (<http://pubs.usgs.gov/sir/2014/5211/>)

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Application Version: 4.19.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.3.2