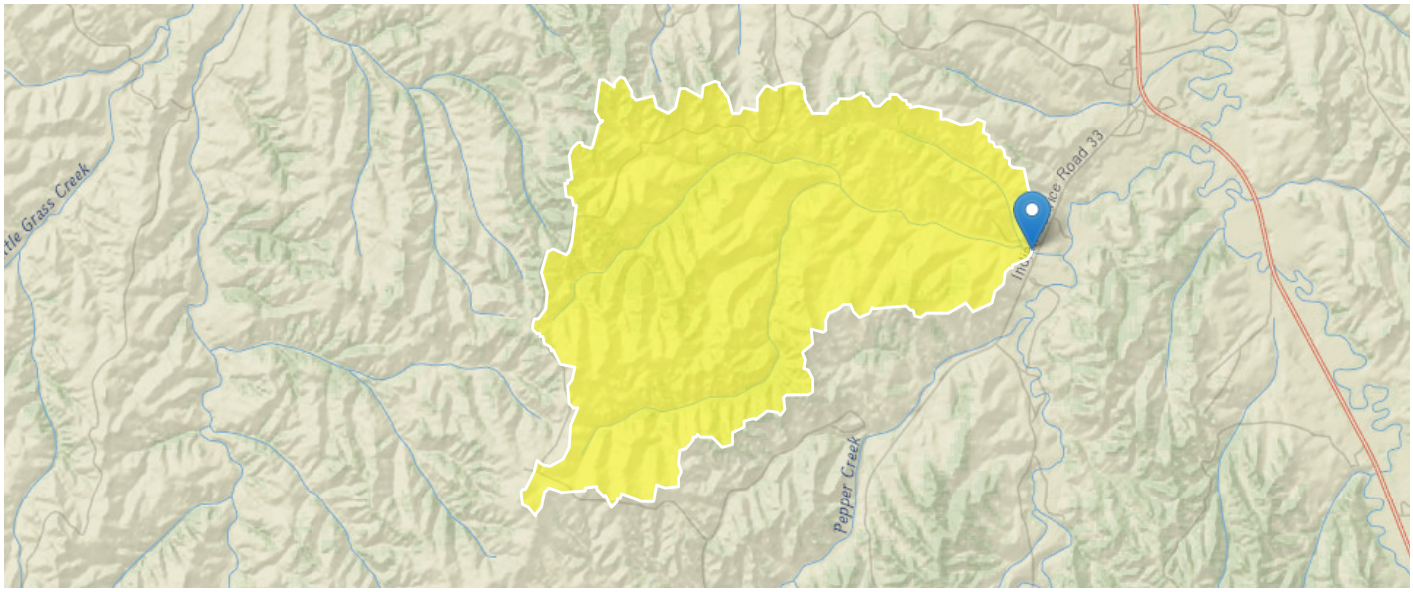
StreamStats Report

Region ID: SD
Workspace ID: SD20230802194846722000
Clicked Point (Latitude, Longitude): 43.21855, -102.48362
Time: 2023-08-02 13:49:10 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	4.59	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	4.59	square miles	0.11	137

Peak-Flow Statistics Flow Report [Subregion D]

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

Statistic	Value	Unit	PII	PIu	SE	ASEp	Equiv. Yrs.
50-percent AEP flood	135	ft^3/s	30.2	604	109	109	2.3
20-percent AEP flood	460	ft^3/s	177	1190	61	61	7.4
10-percent AEP flood	866	ft^3/s	429	1750	44	44	17.9
4-percent AEP flood	1650	ft^3/s	951	2860	34	34	39.1
2-percent AEP flood	2450	ft^3/s	1450	4130	33	33	52.5
1-percent AEP flood	3490	ft^3/s	2050	5950	34	34	59.2

Statistic	Value	Unit	PII	PIu	SE	ASEp	Equiv. Yrs.
0.2-percent AEP flood	7020	ft^3/s	3720	13300	41	41	57.5

Peak-Flow Statistics Citations

Sando, Steven K.,1998, A Method for Estimating Magnitude and Frequency of Floods in South Dakota: U.S. Geological Survey Water-Resources Investigations Report 98-4055, 48 p. (http://pubs.water.usgs.gov/wri98-4055/)

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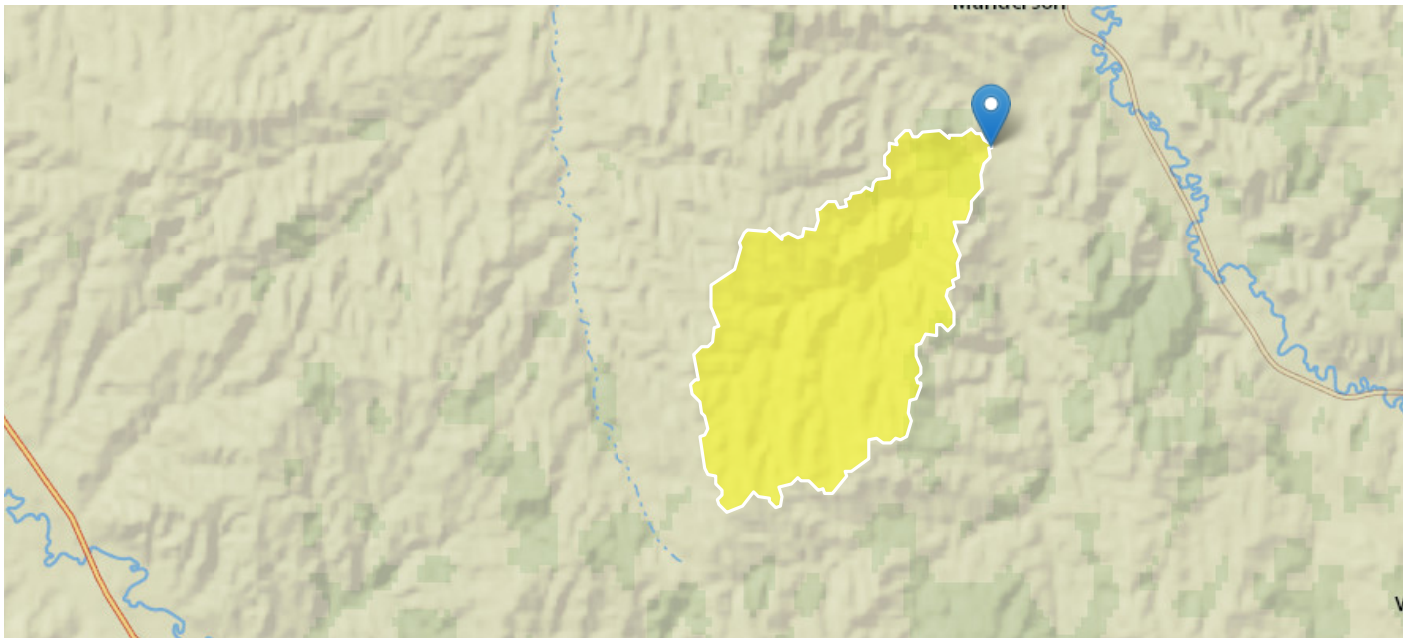
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802195746968000
Clicked Point (Latitude, Longitude): 43.21109, -102.48746
Time: 2023-08-02 13:58:09 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	7.89	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	7.89	square miles	0.11	137

Peak-Flow Statistics Flow Report [Subregion D]

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

Statistic	Value	Unit	PII	PIu	SE	ASEp	Equiv. Yrs.
50-percent AEP flood	164	ft^3/s	36.3	740	109	109	2.3
20-percent AEP flood	589	ft^3/s	226	1540	61	61	7.4
10-percent AEP flood	1140	ft^3/s	561	2320	44	44	17.9

Statistic	Value	Unit	PII	PIu	SE	ASEp	Equiv. Yrs.
4-percent AEP flood	2260	ft^3/s	1290	3950	34	34	39.1
2-percent AEP flood	3450	ft^3/s	2030	5850	33	33	52.5
1-percent AEP flood	5000	ft^3/s	2910	8590	34	34	59.2
0.2-percent AEP flood	10400	ft^3/s	5450	19800	41	41	57.5

Peak-Flow Statistics Citations

Sando, Steven K.,1998, A Method for Estimating Magnitude and Frequency of Floods in South Dakota: U.S. Geological Survey Water-Resources Investigations Report 98-4055, 48 p. (http://pubs.water.usgs.gov/wri98-4055/)

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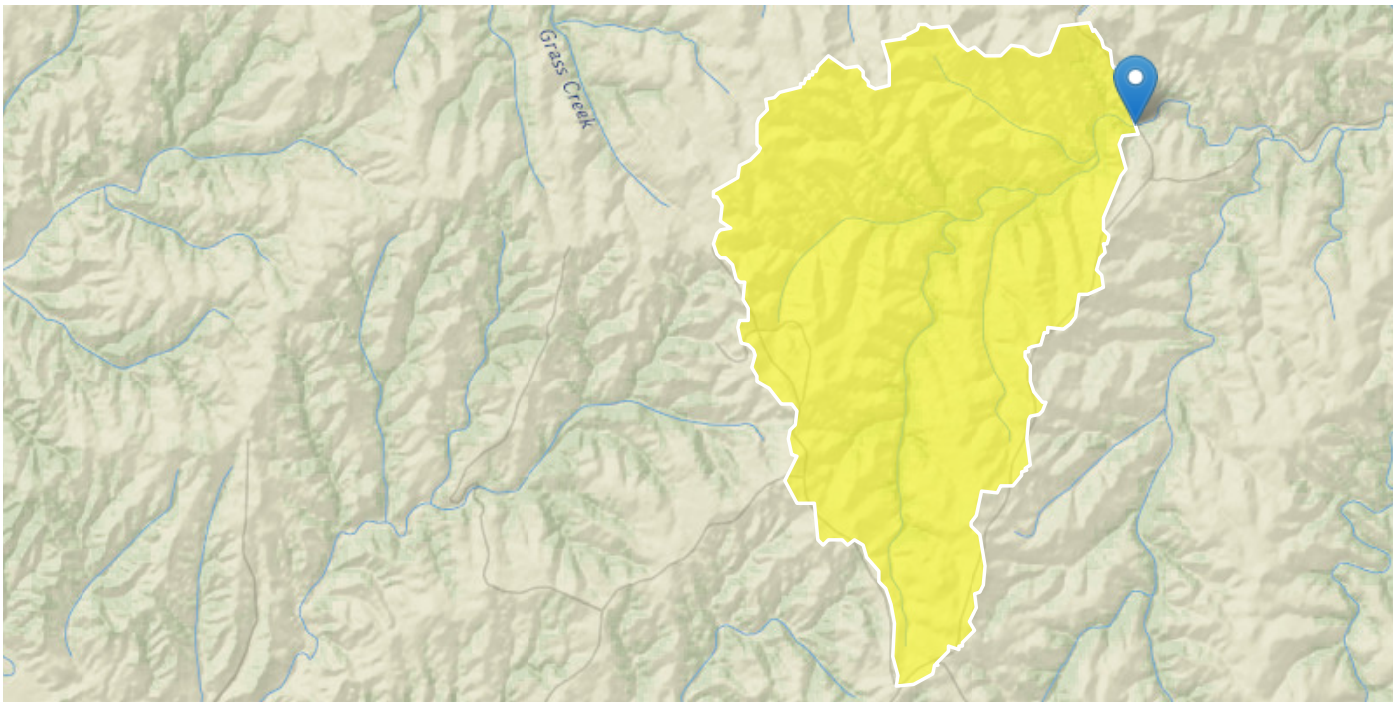
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802200049538000
Clicked Point (Latitude, Longitude): 43.15143, -102.50843
Time: 2023-08-02 14:01:12 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	4.02	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [72.8 Percent (2.93 square miles) Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	4.02	square miles	0.11	137

Peak-Flow Statistics Parameters [27.2 Percent (1.09 square miles) Subregion E]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	4.02	square miles	10	760

Peak-Flow Statistics Flow Report [72.8 Percent (2.93 square miles) Subregion D]

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

Statistic	Value	Unit	PII	PIu	SE	ASEp	Equiv. Yrs.
50-percent AEP flood	129	ft^3/s	28.8	577	109	109	2.3
20-percent AEP flood	433	ft^3/s	167	1120	61	61	7.4
10-percent AEP flood	809	ft^3/s	401	1630	44	44	17.9
4-percent AEP flood	1530	ft^3/s	882	2650	34	34	39.1
2-percent AEP flood	2260	ft^3/s	1340	3800	33	33	52.5
1-percent AEP flood	3190	ft^3/s	1870	5430	34	34	59.2
0.2-percent AEP flood	6370	ft^3/s	3380	12000	41	41	57.5

Peak-Flow Statistics Disclaimers [27.2 Percent (1.09 square miles) Subregion E]

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

Peak-Flow Statistics Flow Report [27.2 Percent (1.09 square miles) Subregion E]

Statistic	Value	Unit
50-percent AEP flood	26.2	ft^3/s
20-percent AEP flood	44.2	ft^3/s
10-percent AEP flood	56.1	ft^3/s
4-percent AEP flood	71.7	ft^3/s
2-percent AEP flood	84.5	ft^3/s
1-percent AEP flood	97.9	ft^3/s
0.2-percent AEP flood	133	ft^3/s

Peak-Flow Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
50-percent AEP flood	101	ft^3/s
20-percent AEP flood	327	ft^3/s
10-percent AEP flood	604	ft^3/s
4-percent AEP flood	1130	ft^3/s
2-percent AEP flood	1670	ft^3/s

Statistic	Value	Unit
1-percent AEP flood	2350	ft^3/s
0.2-percent AEP flood	4670	ft^3/s

Peak-Flow Statistics Citations

Sando, Steven K.,1998, A Method for Estimating Magnitude and Frequency of Floods in South Dakota: U.S. Geological Survey Water-Resources Investigations Report 98-4055, 48 p. (http://pubs.water.usgs.gov/wri98-4055/)

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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1