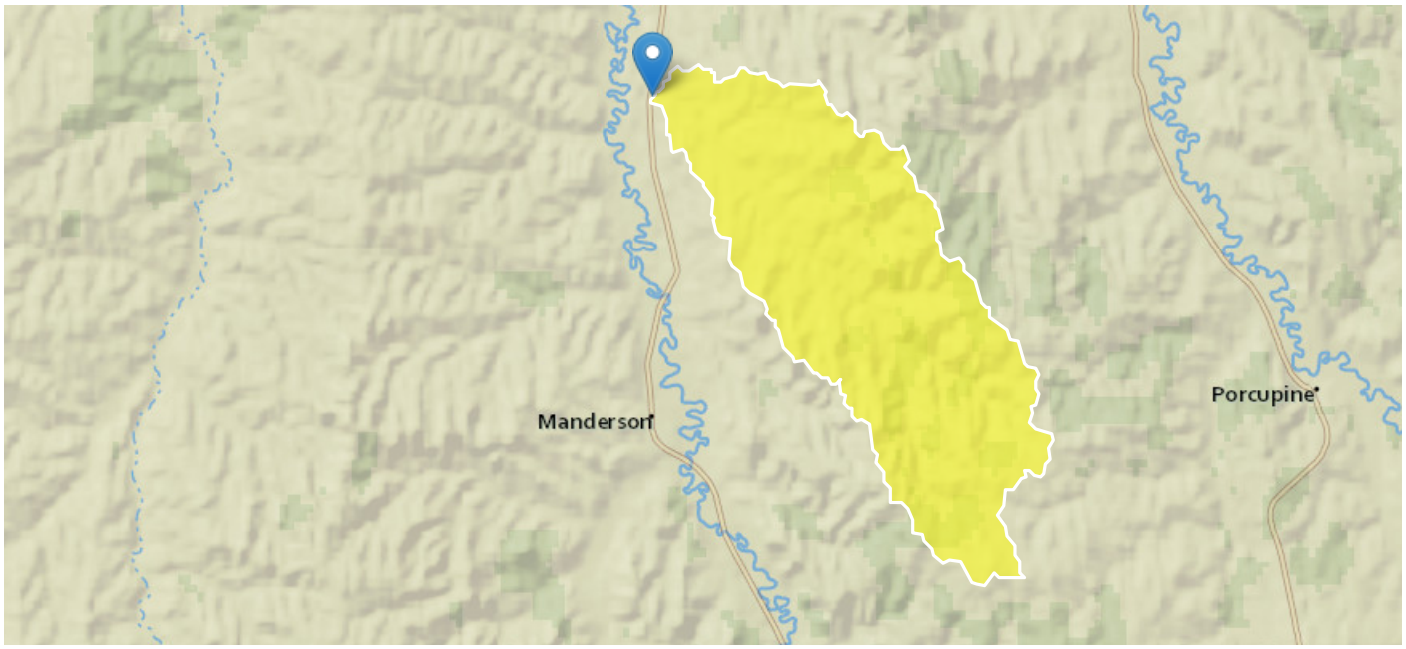
StreamStats Report

Region ID: SD
Workspace ID: SD20230802200933829000
Clicked Point (Latitude, Longitude): 43.28517, -102.47086
Time: 2023-08-02 14:10:01 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	10.71	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [35.0 Percent (3.75 square miles) Subregion C]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	10.71	square miles	0.06	904

Peak-Flow Statistics Parameters [65.0 Percent (6.95 square miles) Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	10.71	square miles	0.11	137

Peak-Flow Statistics Flow Report [35.0 Percent (3.75 square miles) Subregion C]

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	96.4	ft^3/s	22.4	415	108	108	1.8
20-percent AEP flood	285	ft^3/s	104	785	67	67	4.8
10-percent AEP flood	493	ft^3/s	203	1200	58	58	8.3
4-percent AEP flood	805	ft^3/s	354	1830	53	53	12
2-percent AEP flood	1100	ft^3/s	486	2490	53	53	14.9
1-percent AEP flood	1450	ft^3/s	624	3370	55	55	16.5
0.2-percent AEP flood	2480	ft^3/s	929	6620	65	65	16.6

Peak-Flow Statistics Flow Report [65.0 Percent (6.95 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	183	ft^3/s	40.3	832	109	109	2.3
20-percent AEP flood	677	ft^3/s	258	1780	61	61	7.4
10-percent AEP flood	1340	ft^3/s	657	2740	44	44	17.9
4-percent AEP flood	2710	ft^3/s	1540	4760	34	34	39.1
2-percent AEP flood	4170	ft^3/s	2440	7120	33	33	52.5
1-percent AEP flood	6120	ft^3/s	3540	10600	34	34	59.2
0.2-percent AEP flood	13000	ft^3/s	6750	25000	41	41	57.5

Peak-Flow Statistics Flow Report [Area-Averaged]

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	Equiv. Yrs.
50-percent AEP flood	153	ft^3/s	34	686	4.1
20-percent AEP flood	540	ft^3/s	204	1430	12.2
10-percent AEP flood	1040	ft^3/s	498	2200	26.2
4-percent AEP flood	2040	ft^3/s	1120	3730	51.1
2-percent AEP flood	3090	ft^3/s	1760	5500	67.4
1-percent AEP flood	4480	ft^3/s	2520	8070	75.7
0.2-percent AEP flood	9310	ft^3/s	4710	18600	74.1

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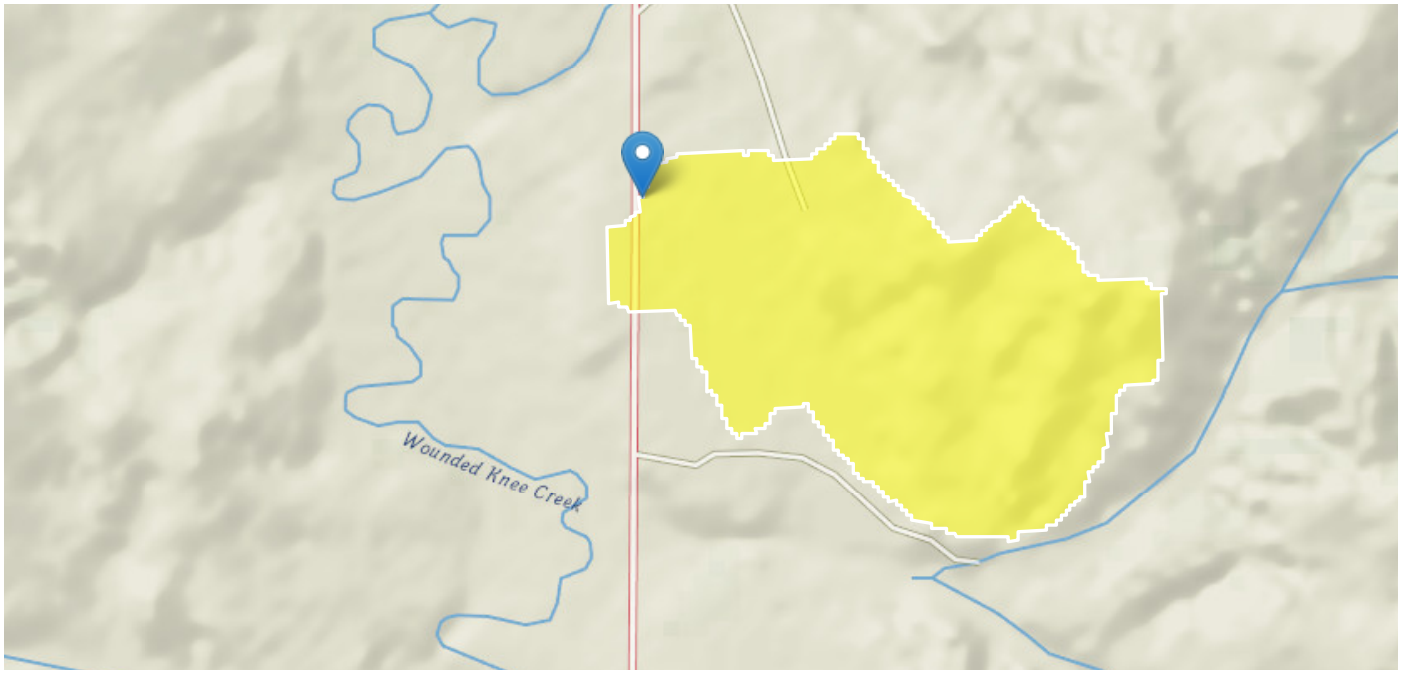
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230803145555030000
Clicked Point (Latitude, Longitude): 43.31470, -102.46764
Time: 2023-08-03 08:56:18 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	0.23	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	0.23	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	46.5	ft^3/s	9.86	219	109	109	2.3

Statistic	Value	Unit	PII	PIu	SE	ASEp	Equiv. Yrs.
20-percent AEP flood	118	ft^3/s	43.5	320	61	61	7.4
10-percent AEP flood	185	ft^3/s	87.8	390	44	44	17.9
4-percent AEP flood	286	ft^3/s	157	521	34	34	39.1
2-percent AEP flood	376	ft^3/s	211	668	33	33	52.5
1-percent AEP flood	479	ft^3/s	265	866	34	34	59.2
0.2-percent AEP flood	784	ft^3/s	387	1590	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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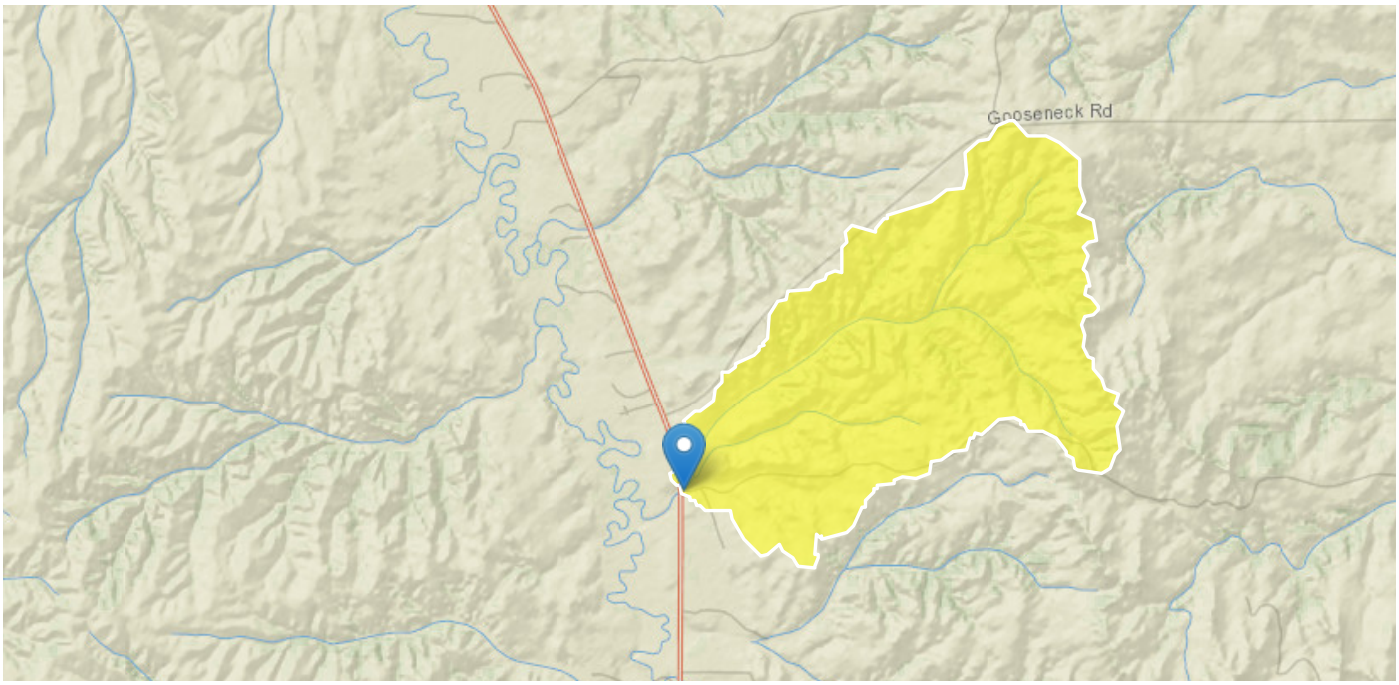
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230803145809653000
Clicked Point (Latitude, Longitude): 43.31865, -102.46764
Time: 2023-08-03 08:58:32 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	2.72	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	2.72	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	112	ft^3/s	25.1	500	109	109	2.3

Statistic	Value	Unit	PII	Plu	SE	ASEp	Equiv. Yrs.
20-percent AEP flood	363	ft^3/s	140	941	61	61	7.4
10-percent AEP flood	661	ft^3/s	328	1330	44	44	17.9
4-percent AEP flood	1210	ft^3/s	698	2100	34	34	39.1
2-percent AEP flood	1770	ft^3/s	1050	2980	33	33	52.5
1-percent AEP flood	2470	ft^3/s	1450	4200	34	34	59.2
0.2-percent AEP flood	4780	ft^3/s	2540	9000	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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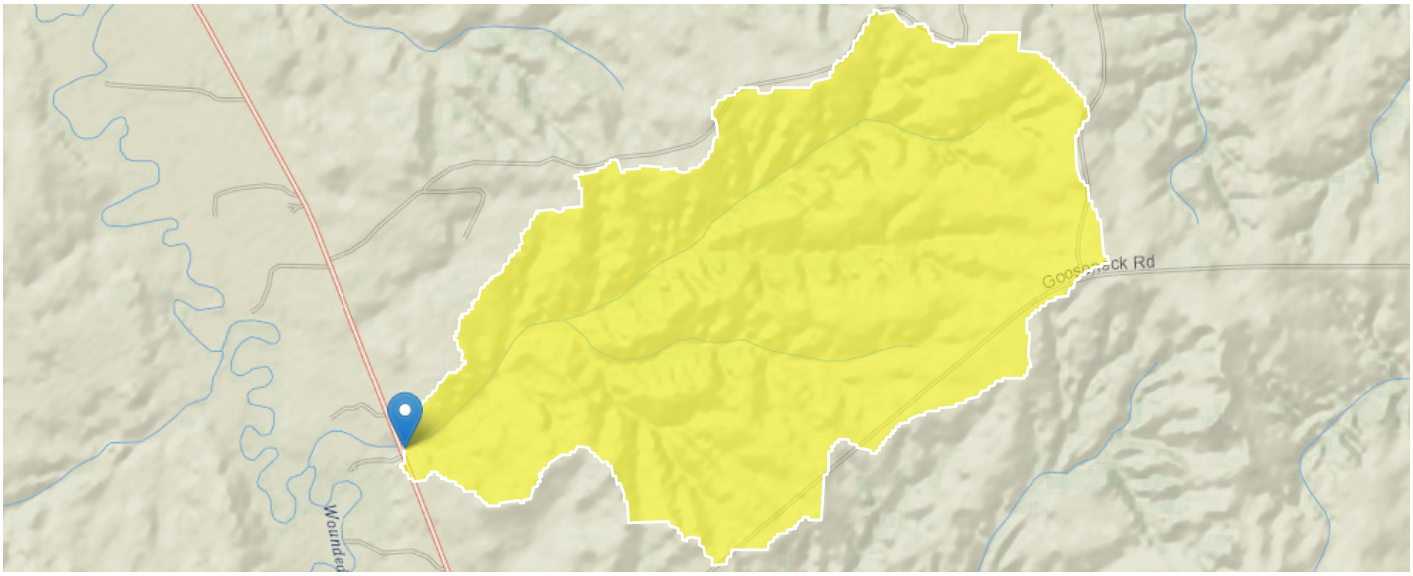
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802202031057000
Clicked Point (Latitude, Longitude): 43.33801, -102.47667
Time: 2023-08-02 14:20:54 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	2.04	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	2.04	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	101	ft^3/s	22.6	451	109	109	2.3
20-percent AEP flood	318	ft^3/s	123	825	61	61	7.4
10-percent AEP flood	570	ft^3/s	282	1150	44	44	17.9
4-percent AEP flood	1030	ft^3/s	594	1790	34	34	39.1
2-percent AEP flood	1480	ft^3/s	879	2490	33	33	52.5
1-percent AEP flood	2040	ft^3/s	1200	3470	34	34	59.2
0.2-percent AEP flood	3880	ft^3/s	2060	7310	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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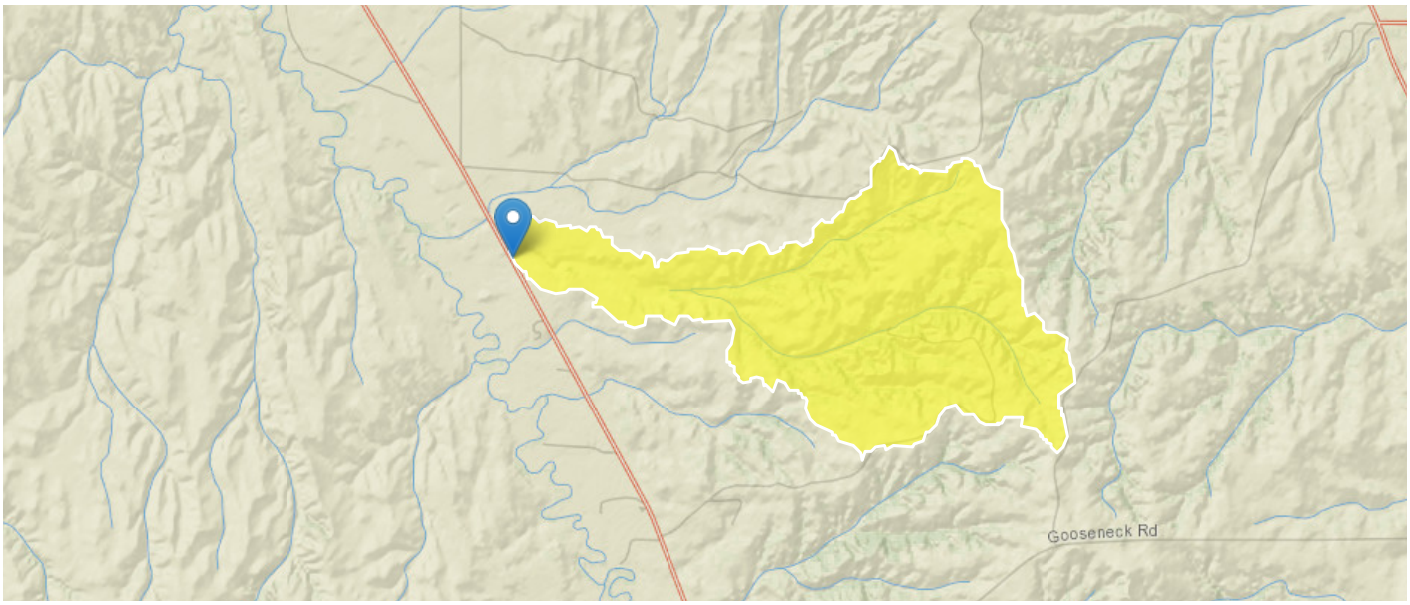
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802202346737000
Clicked Point (Latitude, Longitude): 43.36977, -102.49839
Time: 2023-08-02 14:24:16 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	2.77	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	2.77	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	113	ft^3/s	25.3	505	109	109	2.3
20-percent AEP flood	366	ft^3/s	141	949	61	61	7.4
10-percent AEP flood	668	ft^3/s	331	1350	44	44	17.9
4-percent AEP flood	1230	ft^3/s	710	2130	34	34	39.1
2-percent AEP flood	1790	ft^3/s	1060	3010	33	33	52.5

Statistic	Value	Unit	PII	Plu	SE	ASEp	Equiv. Yrs.
1-percent AEP flood	2500	ft^3/s	1470	4250	34	34	59.2
0.2-percent AEP flood	4850	ft^3/s	2580	9130	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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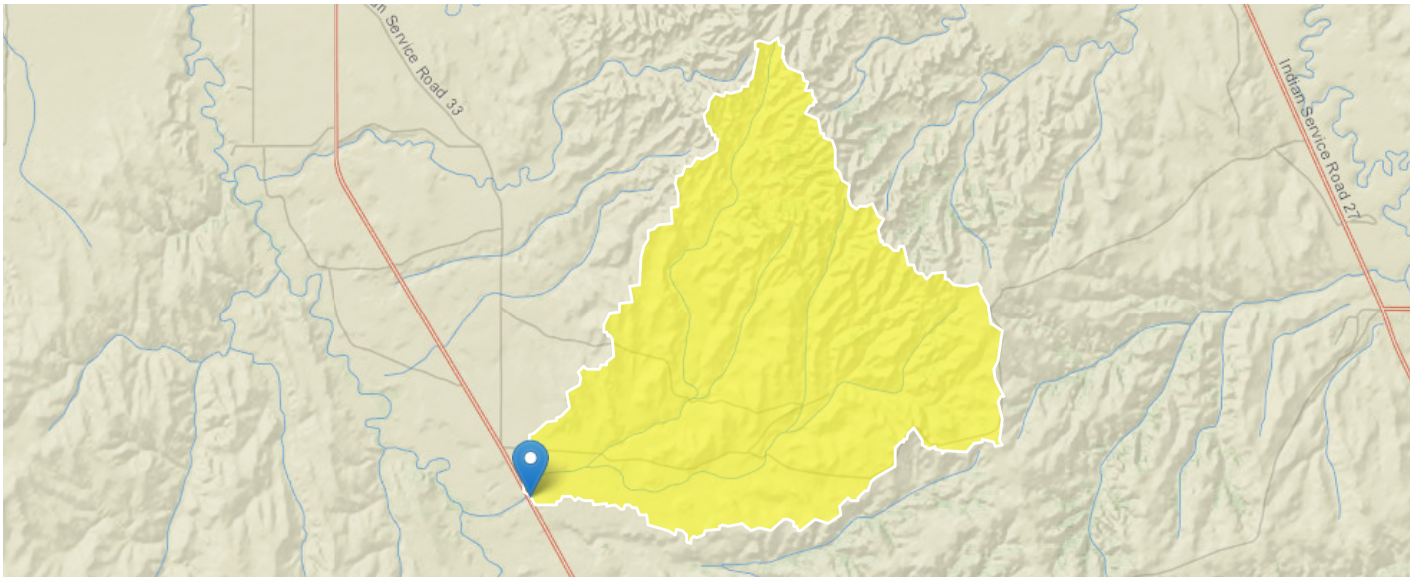
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802202625811000
Clicked Point (Latitude, Longitude): 43.37303, -102.50087
Time: 2023-08-02 14:26:48 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	4.64	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	4.64	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	136	ft^3/s	30.4	609	109	109	2.3
20-percent AEP flood	462	ft^3/s	178	1200	61	61	7.4
10-percent AEP flood	871	ft^3/s	431	1760	44	44	17.9
4-percent AEP flood	1660	ft^3/s	957	2880	34	34	39.1
2-percent AEP flood	2470	ft^3/s	1470	4160	33	33	52.5
1-percent AEP flood	3510	ft^3/s	2060	5980	34	34	59.2
0.2-percent AEP flood	7070	ft^3/s	3740	13400	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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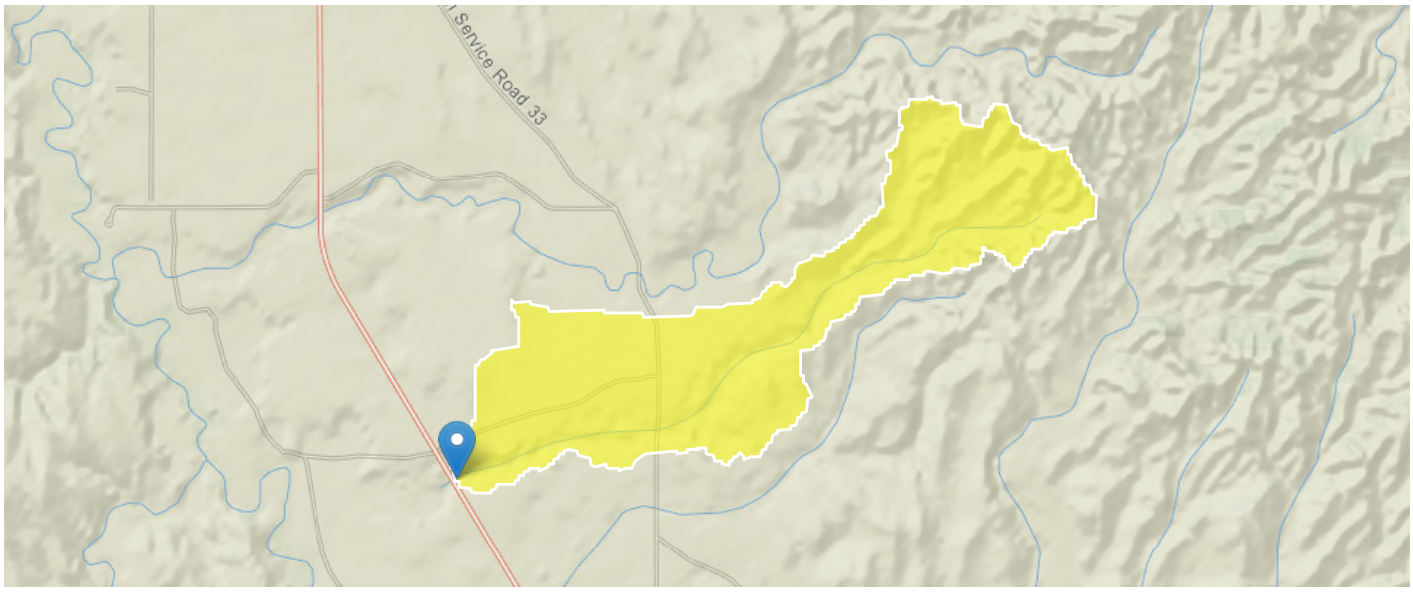
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230803150058663000
Clicked Point (Latitude, Longitude): 43.39200, -102.51605
Time: 2023-08-03 09:01:23 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	0.74	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	0.74	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	70.5	ft^3/s	15.6	320	109	109	2.3
20-percent AEP flood	201	ft^3/s	76.6	528	61	61	7.4
10-percent AEP flood	338	ft^3/s	165	691	44	44	17.9
4-percent AEP flood	567	ft^3/s	322	997	34	34	39.1
2-percent AEP flood	782	ft^3/s	457	1340	33	33	52.5
1-percent AEP flood	1040	ft^3/s	600	1800	34	34	59.2

Statistic	Value	Unit	PII	Plu	SE	ASEp	Equiv. Yrs.
0.2-percent AEP flood	1850	ft^3/s	962	3560	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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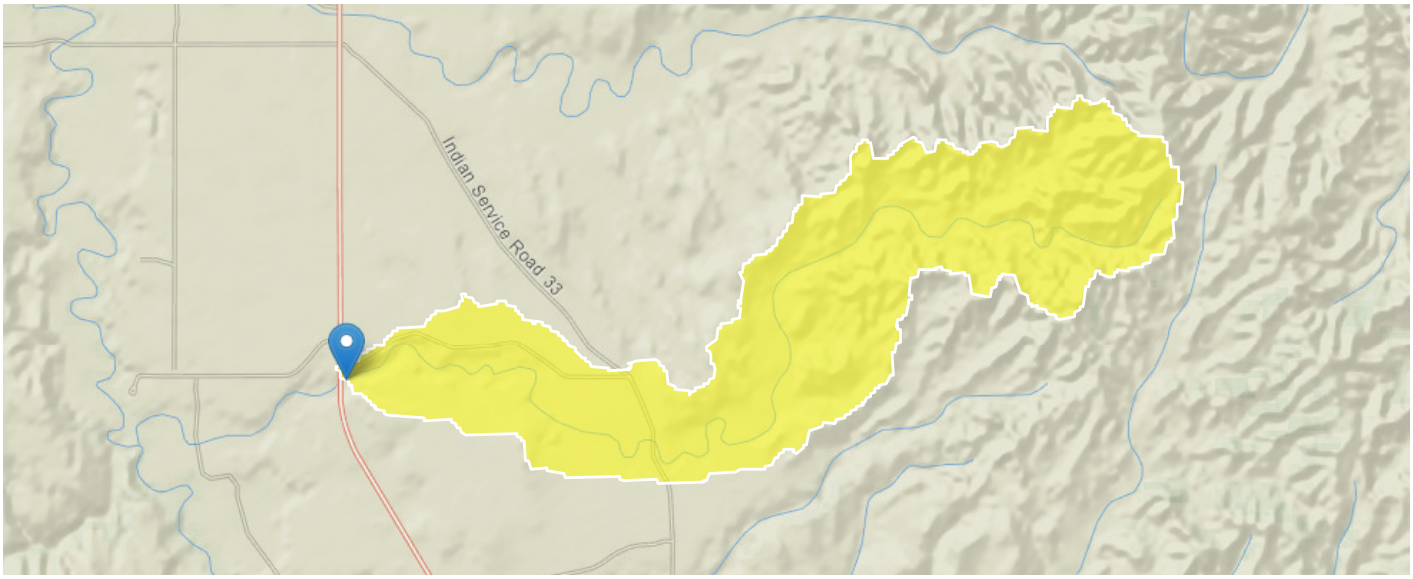
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802203021508000
Clicked Point (Latitude, Longitude): 43.40350, -102.52379
Time: 2023-08-02 14:30:47 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	1.12	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [2.7 Percent (0.03 square miles) Subregion C]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.12	square miles	0.06	904

Peak-Flow Statistics Parameters [97.3 Percent (1.09 square miles) Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.12	square miles	0.11	137

Peak-Flow Statistics Flow Report [2.7 Percent (0.03 square miles) Subregion C]

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	26.7	ft^3/s	6.13	116	108	108	1.8
20-percent AEP flood	77.4	ft^3/s	27.8	216	67	67	4.8
10-percent AEP flood	133	ft^3/s	54.2	327	58	58	8.3

Statistic	Value	Unit	PII	Plu	SE	ASEp	Equiv. Yrs.
4-percent AEP flood	221	ft^3/s	95.7	510	53	53	12
2-percent AEP flood	305	ft^3/s	133	701	53	53	14.9
1-percent AEP flood	404	ft^3/s	171	955	55	55	16.5
0.2-percent AEP flood	707	ft^3/s	259	1930	65	65	16.6

Peak-Flow Statistics Flow Report [97.3 Percent (1.09 square miles) Subregion D]

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	SE	ASEp	Equiv. Yrs.
50-percent AEP flood	81.7	ft^3/s	18.2	367	109	109	2.3
20-percent AEP flood	242	ft^3/s	92.8	631	61	61	7.4
10-percent AEP flood	419	ft^3/s	206	851	44	44	17.9
4-percent AEP flood	722	ft^3/s	414	1260	34	34	39.1
2-percent AEP flood	1010	ft^3/s	596	1710	33	33	52.5
1-percent AEP flood	1370	ft^3/s	798	2350	34	34	59.2
0.2-percent AEP flood	2500	ft^3/s	1310	4750	41	41	57.5

Peak-Flow Statistics Flow Report [Area-Averaged]

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	Equiv. Yrs.
50-percent AEP flood	80.2	ft^3/s	17.9	360	4.1
20-percent AEP flood	238	ft^3/s	91.1	620	12.2
10-percent AEP flood	411	ft^3/s	202	837	26.2
4-percent AEP flood	709	ft^3/s	405	1240	51.1
2-percent AEP flood	991	ft^3/s	584	1680	67.4
1-percent AEP flood	1340	ft^3/s	781	2310	75.7
0.2-percent AEP flood	2450	ft^3/s	1280	4670	74.1

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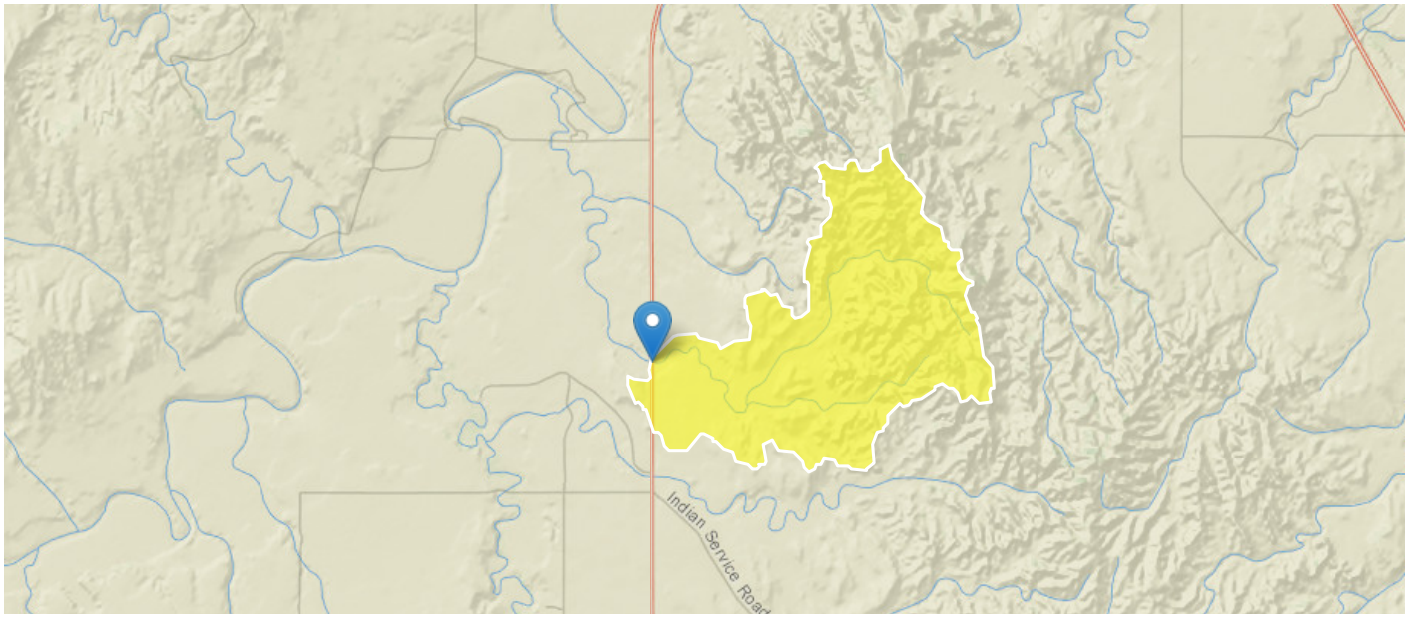
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802203851516000
Clicked Point (Latitude, Longitude): 43.42885, -102.52401
Time: 2023-08-02 14:39:14 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	1.9	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [3.7 Percent (0.0696 square miles) Subregion C]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.9	square miles	0.06	904

Peak-Flow Statistics Parameters [96.3 Percent (1.83 square miles) Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.9	square miles	0.11	137

Peak-Flow Statistics Flow Report [3.7 Percent (0.0696 square miles) Subregion C]

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	36	ft^3/s	8.31	156	108	108	1.8

Statistic	Value	Unit	PII	Plu	SE	ASEp	Equiv. Yrs.
20-percent AEP flood	105	ft^3/s	37.9	291	67	67	4.8
10-percent AEP flood	181	ft^3/s	74.1	442	58	58	8.3
4-percent AEP flood	299	ft^3/s	130	687	53	53	12
2-percent AEP flood	412	ft^3/s	180	942	53	53	14.9
1-percent AEP flood	545	ft^3/s	232	1280	55	55	16.5
0.2-percent AEP flood	949	ft^3/s	351	2570	65	65	16.6

Peak-Flow Statistics Flow Report [96.3 Percent (1.83 square miles) Subregion D]

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	SE	ASEp	Equiv. Yrs.
50-percent AEP flood	98.7	ft^3/s	22.1	441	109	109	2.3
20-percent AEP flood	308	ft^3/s	119	799	61	61	7.4
10-percent AEP flood	550	ft^3/s	272	1110	44	44	17.9
4-percent AEP flood	984	ft^3/s	567	1710	34	34	39.1
2-percent AEP flood	1410	ft^3/s	837	2370	33	33	52.5
1-percent AEP flood	1940	ft^3/s	1140	3310	34	34	59.2
0.2-percent AEP flood	3680	ft^3/s	1950	6940	41	41	57.5

Peak-Flow Statistics Flow Report [Area-Averaged]

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	Equiv. Yrs.
50-percent AEP flood	96.4	ft^3/s	21.6	431	4.1
20-percent AEP flood	301	ft^3/s	116	780	12.2
10-percent AEP flood	536	ft^3/s	265	1090	26.2
4-percent AEP flood	959	ft^3/s	551	1670	51.1
2-percent AEP flood	1370	ft^3/s	813	2320	67.4
1-percent AEP flood	1890	ft^3/s	1110	3240	75.7
0.2-percent AEP flood	3580	ft^3/s	1890	6780	74.1

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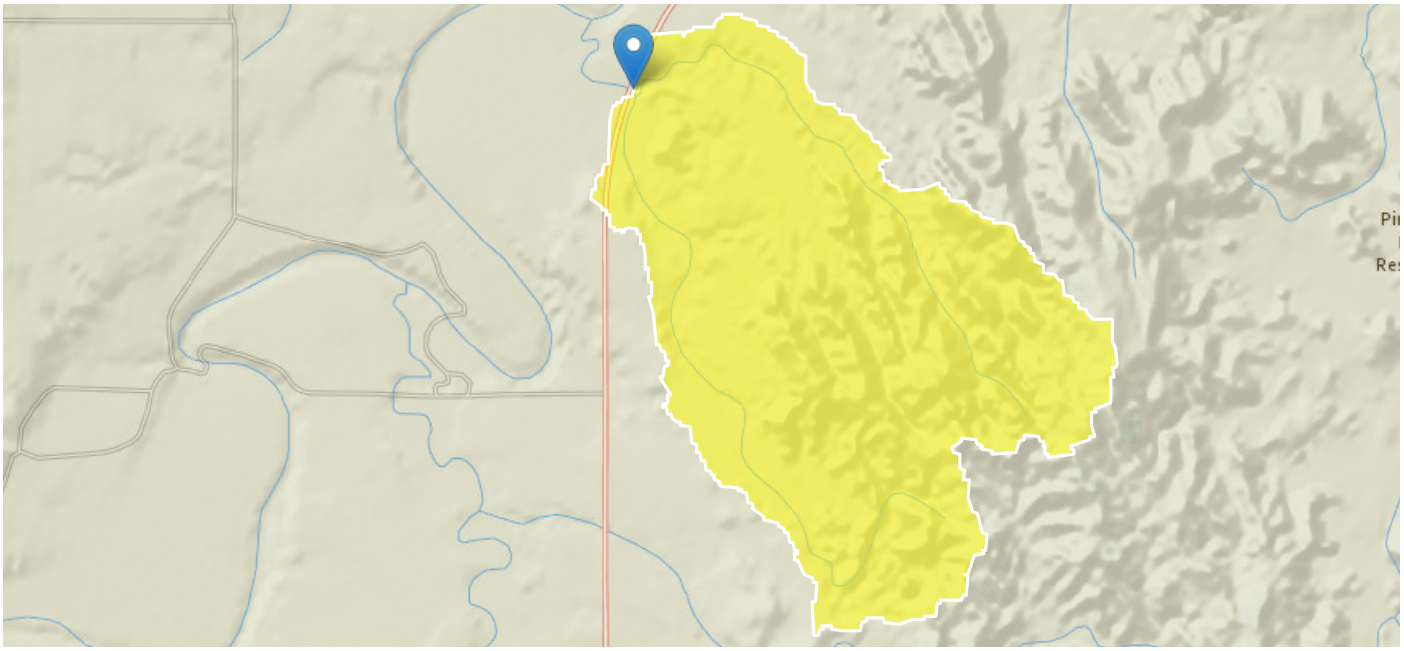
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802204105320000
Clicked Point (Latitude, Longitude): 43.45884, -102.52272
Time: 2023-08-02 14:41:30 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	1.28	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [28.5 Percent (0.364 square miles) Subregion C]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.28	square miles	0.06	904

Peak-Flow Statistics Parameters [71.5 Percent (0.913 square miles) Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.28	square miles	0.11	137

Peak-Flow Statistics Flow Report [28.5 Percent (0.364 square miles) Subregion C]

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	28.8	ft^3/s	6.62	125	108	108	1.8
20-percent AEP flood	83.6	ft^3/s	30.1	233	67	67	4.8
10-percent AEP flood	144	ft^3/s	58.7	353	58	58	8.3
4-percent AEP flood	238	ft^3/s	103	549	53	53	12
2-percent AEP flood	329	ft^3/s	143	755	53	53	14.9
1-percent AEP flood	436	ft^3/s	185	1030	55	55	16.5
0.2-percent AEP flood	762	ft^3/s	280	2070	65	65	16.6

Peak-Flow Statistics Flow Report [71.5 Percent (0.913 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	85.7	ft^3/s	19.1	385	109	109	2.3
20-percent AEP flood	257	ft^3/s	98.7	669	61	61	7.4
10-percent AEP flood	449	ft^3/s	222	910	44	44	17.9
4-percent AEP flood	781	ft^3/s	448	1360	34	34	39.1
2-percent AEP flood	1100	ft^3/s	650	1860	33	33	52.5
1-percent AEP flood	1500	ft^3/s	876	2570	34	34	59.2
0.2-percent AEP flood	2760	ft^3/s	1460	5230	41	41	57.5

Peak-Flow Statistics Flow Report [Area-Averaged]

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	Equiv. Yrs.
50-percent AEP flood	69.5	ft^3/s	15.5	311	4.1
20-percent AEP flood	208	ft^3/s	79.1	545	12.2
10-percent AEP flood	362	ft^3/s	175	751	26.2
4-percent AEP flood	626	ft^3/s	350	1130	51.1
2-percent AEP flood	880	ft^3/s	506	1550	67.4
1-percent AEP flood	1200	ft^3/s	679	2130	75.7
0.2-percent AEP flood	2190	ft^3/s	1120	4330	74.1

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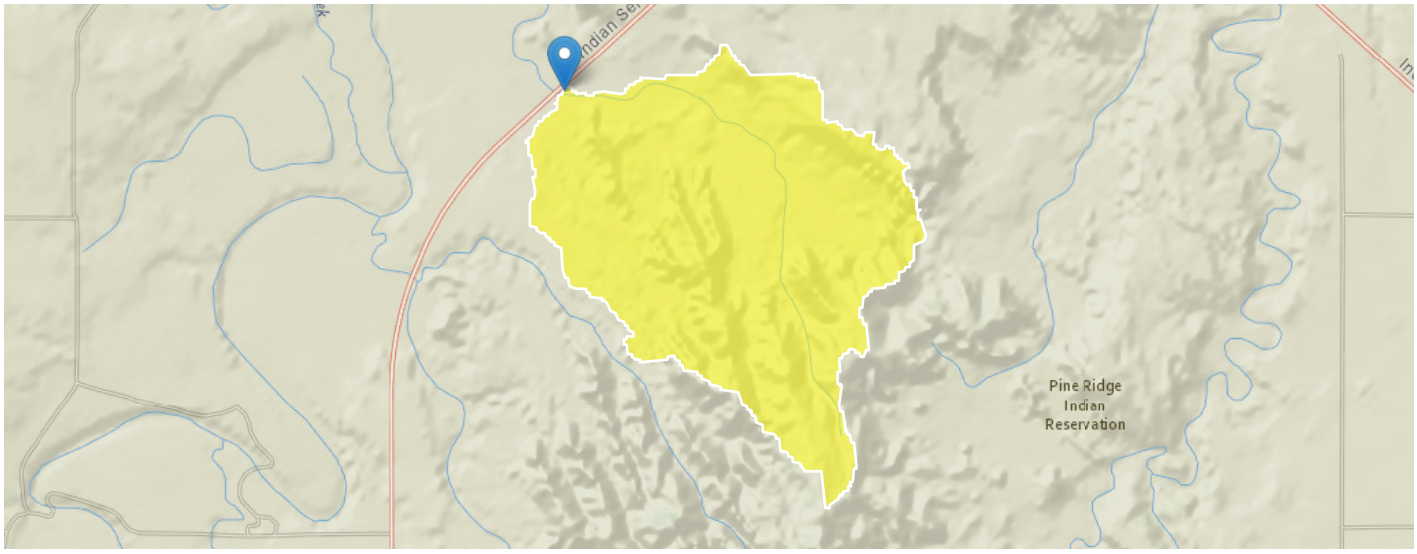
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802204507389000
Clicked Point (Latitude, Longitude): 43.46734, -102.51336
Time: 2023-08-02 14:45:30 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	1.01	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [65.3 Percent (0.661 square miles) Subregion C]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.01	square miles	0.06	904

Peak-Flow Statistics Parameters [34.7 Percent (0.351 square miles) Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.01	square miles	0.11	137

Peak-Flow Statistics Flow Report [65.3 Percent (0.661 square miles) Subregion C]

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	25.1	ft^3/s	5.76	109	108	108	1.8
20-percent AEP flood	72.9	ft^3/s	26.2	203	67	67	4.8
10-percent AEP flood	126	ft^3/s	51.3	310	58	58	8.3
4-percent AEP flood	208	ft^3/s	90	481	53	53	12
2-percent AEP flood	288	ft^3/s	125	663	53	53	14.9

Statistic	Value	Unit	PII	Plu	SE	ASEp	Equiv. Yrs.
1-percent AEP flood	381	ft^3/s	161	902	55	55	16.5
0.2-percent AEP flood	668	ft^3/s	245	1820	65	65	16.6

Peak-Flow Statistics Flow Report [34.7 Percent (0.351 square miles) Subregion D]

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	SE	ASEp	Equiv. Yrs.
50-percent AEP flood	78.8	ft^3/s	17.5	355	109	109	2.3
20-percent AEP flood	231	ft^3/s	88.4	603	61	61	7.4
10-percent AEP flood	397	ft^3/s	195	807	44	44	17.9
4-percent AEP flood	680	ft^3/s	389	1190	34	34	39.1
2-percent AEP flood	950	ft^3/s	559	1610	33	33	52.5
1-percent AEP flood	1280	ft^3/s	744	2200	34	34	59.2
0.2-percent AEP flood	2320	ft^3/s	1220	4420	41	41	57.5

Peak-Flow Statistics Flow Report [Area-Averaged]

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	Equiv. Yrs.
50-percent AEP flood	43.7	ft^3/s	9.84	194	4.1
20-percent AEP flood	128	ft^3/s	47.8	342	12.2
10-percent AEP flood	220	ft^3/s	101	483	26.2
4-percent AEP flood	372	ft^3/s	194	727	51.1
2-percent AEP flood	518	ft^3/s	276	992	67.4
1-percent AEP flood	693	ft^3/s	363	1350	75.7
0.2-percent AEP flood	1240	ft^3/s	584	2720	74.1

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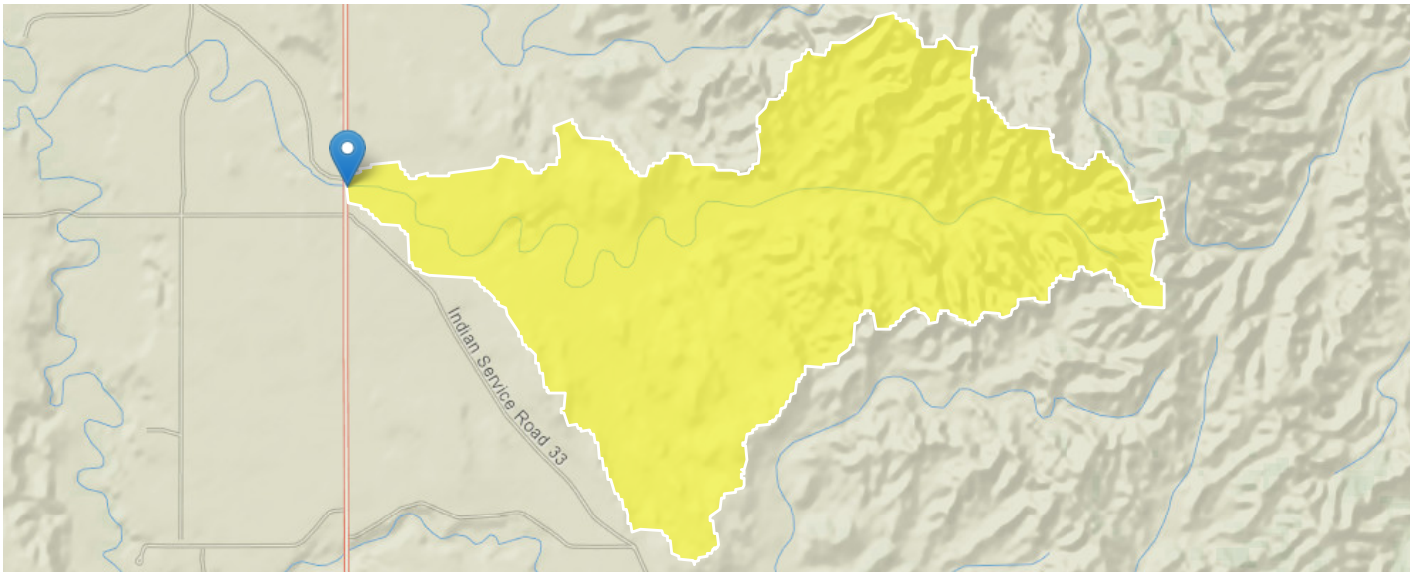
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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

StreamStats Report

Region ID: SD
Workspace ID: SD20230802203451211000
Clicked Point (Latitude, Longitude): 43.41947, -102.52403
Time: 2023-08-02 14:35:15 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	1.7	square miles

Peak-Flow Statistics

Peak-Flow Statistics Parameters [99.0 Percent (1.68 square miles) Subregion D]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	1.7	square miles	0.11	137

Peak-Flow Statistics Disclaimers [99.0 Percent (1.68 square miles) Subregion D]

Weighted flows were not calculated. Users should be careful to evaluate the applicability of the provided estimates. Percentage of area falls outside where region is undefined. Whole estimates have been provided using available regional equations.

Peak-Flow Statistics Flow Report [99.0 Percent (1.68 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	94.9	ft^3/s	21.2	424	109	109	2.3
20-percent AEP flood	293	ft^3/s	113	761	61	61	7.4
10-percent AEP flood	519	ft^3/s	257	1050	44	44	17.9
4-percent AEP flood	922	ft^3/s	531	1600	34	34	39.1

Statistic	Value	Unit	PII	PIu	SE	ASEp	Equiv. Yrs.
2-percent AEP flood	1320	ft^3/s	783	2230	33	33	52.5
1-percent AEP flood	1810	ft^3/s	1060	3090	34	34	59.2
0.2-percent AEP flood	3390	ft^3/s	1800	6400	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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Application Version: 4.16.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1