

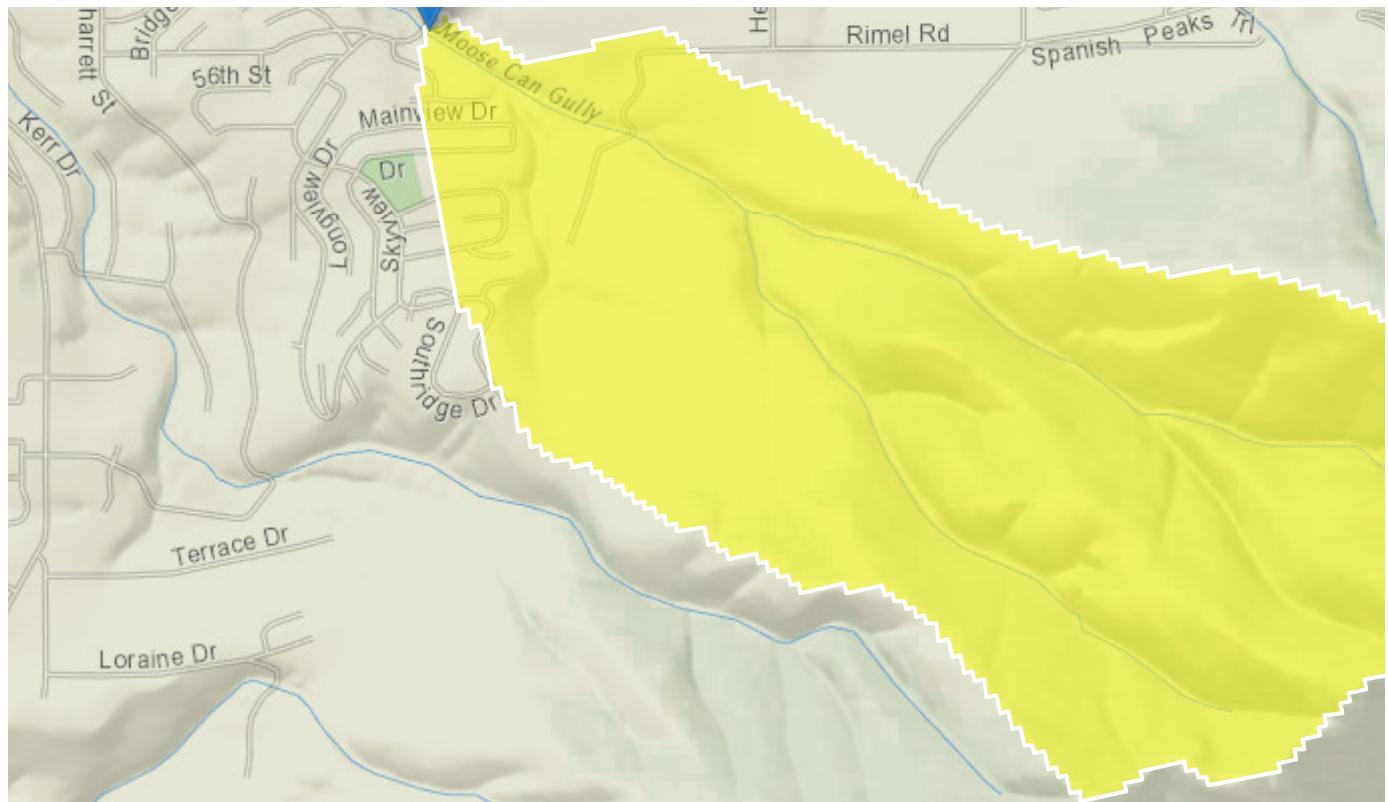
# Moose Can Gully

**Region ID:** MT

**Workspace ID:** MT20220503144724090000

**Clicked Point (Latitude, Longitude):** 46.82053, -114.02907

**Time:** 2022-05-03 08:47:47 -0600



## Basin Characteristics

### Parameter

Code	Parameter Description	Value	Unit
CHANWD_RS	Channel width determined from remotely sensed data sources, including aerial imagery	0	feet
CONTDA	Area that contributes flow to a point on a stream	2.1	square miles
FOREST	Percentage of area covered by forest	54.3	percent
PRECIP	Mean Annual Precipitation	21.57	inches
SLOP50_30M	Percent area with slopes greater than 50 percent from 30-meter DEM.	15	percent

Parameter		Value	Unit
Code	Parameter Description		
WACTCH	Width of active channel	0	feet
WBANKFULL	Width of channel at bankfull	0	feet

### Peak-Flow Statistics Parameters [W Region BasinC 2015 5019F]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	2.1	square miles	0.6	2470
PRECIP	Mean Annual Precipitation	21.57	inches	14.6	62.1
FOREST	Percent Forest	54.3	percent	20.4	99.1

### Peak-Flow Statistics Parameters [W Region Active Channel SIR 2020 5142]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
WACTCH	Width Of Active Channel	0	feet	3	213

### Peak-Flow Statistics Parameters [W Region Bankfull SIR 2020 5142]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
WBANKFULL	Width Of Bankfull Channel	0	feet	5	246

### Peak-Flow Statistics Parameters [W Region Aerial Photo SIR 2020 5142]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CHANWD_RS	Channel_Width_remotely_sensed	0	feet	2.3	203.8

### Peak-Flow Statistics Flow Report [W Region BasinC 2015 5019F]

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
66.7-percent AEP flood	5.84	ft^3/s	2.31	14.8	59.4
50-percent AEP flood	8.49	ft^3/s	3.48	20.7	56.5
42.9-percent AEP flood	9.93	ft^3/s	4.1	24	55.7
20-percent AEP flood	17.4	ft^3/s	7.43	40.7	53.4

Statistic	Value	Unit	PII	Plu	ASEp
10-percent AEP flood	26.2	ft <sup>3</sup> /s	11.3	60.9	52.8
4-percent AEP flood	37.8	ft <sup>3</sup> /s	16.2	88.3	53.2
2-percent AEP flood	48.1	ft <sup>3</sup> /s	20.2	115	54.2
1-percent AEP flood	59.9	ft <sup>3</sup> /s	24.6	146	56
0.5-percent AEP flood	72.7	ft <sup>3</sup> /s	29	182	58
0.2-percent AEP flood	90	ft <sup>3</sup> /s	34.3	236	61.4

### Peak-Flow Statistics Disclaimers [W Region Active Channel SIR 2020 5142]

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

### Peak-Flow Statistics Flow Report [W Region Active Channel SIR 2020 5142]

Statistic	Value	Unit
Active Channel Width 10-percent AEP flood	0	ft <sup>3</sup> /s
Active Channel Width 20-percent AEP flood	0	ft <sup>3</sup> /s
Active chan width 42.9 percent AEP flood	0	ft <sup>3</sup> /s
Active Channel Width 2-percent AEP flood	0	ft <sup>3</sup> /s
Active Channel Width 1-percent AEP flood	0	ft <sup>3</sup> /s
Active Channel Width 4-percent AEP flood	0	ft <sup>3</sup> /s
Active Channel Width 0.2-percent AEP flood	0	ft <sup>3</sup> /s
Active Channel Width 0.5-percent AEP flood	0	ft <sup>3</sup> /s
Active Channel Width 50-percent AEP flood	0	ft <sup>3</sup> /s
Active chan width 66.7 percent AEP flood	0	ft <sup>3</sup> /s

### Peak-Flow Statistics Disclaimers [W Region Bankfull SIR 2020 5142]

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

### Peak-Flow Statistics Flow Report [W Region Bankfull SIR 2020 5142]

Statistic	Value	Unit
Bankfull width 66.7 percent AEP flood	0	ft <sup>3</sup> /s

Statistic	Value	Unit
Bankfull Width 50-percent AEP flood	0	ft <sup>3</sup> /s
Bankfull width 42.9 percent AEP flood	0	ft <sup>3</sup> /s
Bankfull Width 1-percent AEP flood	0	ft <sup>3</sup> /s
Bankfull Width 10-percent AEP flood	0	ft <sup>3</sup> /s
Bankfull Width 0.5-percent AEP flood	0	ft <sup>3</sup> /s
Bankfull Width 2-percent AEP flood	0	ft <sup>3</sup> /s
Bankfull Width 0.2-percent AEP flood	0	ft <sup>3</sup> /s
Bankfull Width 4-percent AEP flood	0	ft <sup>3</sup> /s
Bankfull Width 20-percent AEP flood	0	ft <sup>3</sup> /s

## Peak-Flow Statistics Disclaimers [W Region Aerial Photo SIR 2020 5142]

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

## Peak-Flow Statistics Flow Report [W Region Aerial Photo SIR 2020 5142]

Statistic	Value	Unit
Rem_sens_chan_width_0_2_pct_AEP_flood	0	ft <sup>3</sup> /s
Rem_sens_chan_width_0_5_pct_AEP_flood	0	ft <sup>3</sup> /s
Rem_sens_chan_width_4_percent_AEP_flood	0	ft <sup>3</sup> /s
Rem_sens_chan_width_1_percent_AEP_flood	0	ft <sup>3</sup> /s
Rem sens chan width 66.7 percent AEP fld	0	ft <sup>3</sup> /s
Rem_sens_chan_width_2_percent_AEP_flood	0	ft <sup>3</sup> /s
Rem_sens_chan_width_50_percent_AEP_flood	0	ft <sup>3</sup> /s
Rem_sens_chan_width_10_percent_AEP_flood	0	ft <sup>3</sup> /s
Rem sens chan width 42.9 percent AEP fld	0	ft <sup>3</sup> /s
Rem_sens_chan_width_20_percent_AEP_flood	0	ft <sup>3</sup> /s

## 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	ASEp

Statistic	Value	Unit	PII	Plu	ASEp
66.7-percent AEP flood	5.84	ft <sup>3</sup> /s	2.31	14.8	59.4
50-percent AEP flood	8.49	ft <sup>3</sup> /s	3.48	20.7	56.5
42.9-percent AEP flood	9.93	ft <sup>3</sup> /s	4.1	24	55.7
20-percent AEP flood	17.4	ft <sup>3</sup> /s	7.43	40.7	53.4
10-percent AEP flood	26.2	ft <sup>3</sup> /s	11.3	60.9	52.8
4-percent AEP flood	37.8	ft <sup>3</sup> /s	16.2	88.3	53.2
2-percent AEP flood	48.1	ft <sup>3</sup> /s	20.2	115	54.2
1-percent AEP flood	59.9	ft <sup>3</sup> /s	24.6	146	56
0.5-percent AEP flood	72.7	ft <sup>3</sup> /s	29	182	58
0.2-percent AEP flood	90	ft <sup>3</sup> /s	34.3	236	61.4
Active Channel Width 10-percent AEP flood	0	ft <sup>3</sup> /s			
Active Channel Width 20-percent AEP flood	0	ft <sup>3</sup> /s			
Active chan width 42.9 percent AEP flood	0	ft <sup>3</sup> /s			
Active Channel Width 2-percent AEP flood	0	ft <sup>3</sup> /s			
Active Channel Width 1-percent AEP flood	0	ft <sup>3</sup> /s			
Active Channel Width 4-percent AEP flood	0	ft <sup>3</sup> /s			
Active Channel Width 0.2-percent AEP flood	0	ft <sup>3</sup> /s			
Active Channel Width 0.5-percent AEP flood	0	ft <sup>3</sup> /s			
Active Channel Width 50-percent AEP flood	0	ft <sup>3</sup> /s			
Active chan width 66.7 percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull width 66.7 percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull Width 50-percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull width 42.9 percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull Width 1-percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull Width 10-percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull Width 0.5-percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull Width 2-percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull Width 0.2-percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull Width 4-percent AEP flood	0	ft <sup>3</sup> /s			
Bankfull Width 20-percent AEP flood	0	ft <sup>3</sup> /s			

Statistic	Value	Unit	PII	Plu	ASEp
Rem_sens_chan_width_0_2_pct_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_0_5_pct_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_4_percent_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_1_percent_AEP_flood	0	ft^3/s			
Rem sens chan width 66.7 percent AEP fld	0	ft^3/s			
Rem_sens_chan_width_2_percent_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_50_percent_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_10_percent_AEP_flood	0	ft^3/s			
Rem sens chan width 42.9 percent AEP fld	0	ft^3/s			
Rem_sens_chan_width_20_percent_AEP_flood	0	ft^3/s			

#### *Peak-Flow Statistics Citations*

**Sando, Roy, Sando, S.K., McCarthy, P.M., and Dutton, D.M., 2016, Methods for estimating peak-flow frequencies at ungaged sites in Montana based on data through water year 2011: U.S. Geological Survey Scientific Investigations Report 2015-5019-F, 30 p.**

(<https://doi.org/10.3133/sir20155019>)

**Chase, K.J., Sando, R., Armstrong, D.W., and McCarthy, P., 2021, Regional regression equations based on channel-width characteristics to estimate peak-flow frequencies at ungaged sites in Montana using peak-flow frequency data through water year 2011 (ver. 1.1, September 2021): U.S. Geological Survey Scientific Investigations Report 2020-5142, 49 p. (<https://doi.org/10.3133/sir20205142>)**

#### Annual Flow Statistics Parameters [W Region Annual MeanDur 2015 5019G]

Parameter	Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA		Contributing Drainage Area	2.1	square miles	6.4	2520
SLOP50_30M		Slopes_gt_50pct_from_30m_DEM	15	percent	1.87	67.5

#### Annual Flow Statistics Disclaimers [W Region Annual MeanDur 2015 5019G]

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

#### Annual Flow Statistics Flow Report [W Region Annual MeanDur 2015 5019G]

Statistic	Value	Unit
Median Annual Flow	1.23	ft^3/s
Mean Annual Flow	2.13	ft^3/s

*Annual Flow Statistics Citations*

**McCarthy, P.M., Sando, Roy, Sando, S.K., and Dutton, D.M., 2016, Methods for estimating streamflow characteristics at ungaged sites in western Montana based on data through water year 2009: U.S. Geological Survey Scientific Investigations Report 2015-5019-G, 19 p. (<https://doi.org/10.3133/sir20155019>)**

**Seasonal Flow Statistics Parameters [W Region LowFlow GLS 2015 5019G]**

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	2.1	square miles	6.4	2520
SLOP50_30M	Slopes_gt_50pct_from_30m_DEM	15	percent	1.87	67.5

**Seasonal Flow Statistics Disclaimers [W Region LowFlow GLS 2015 5019G]**

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

**Seasonal Flow Statistics Flow Report [W Region LowFlow GLS 2015 5019G]**

Statistic	Value	Unit
Jul_to_Oct_14_Day_5_Yr_Low_Flow	0.56	ft^3/s

*Seasonal Flow Statistics Citations*

**McCarthy, P.M., Sando, Roy, Sando, S.K., and Dutton, D.M., 2016, Methods for estimating streamflow characteristics at ungaged sites in western Montana based on data through water year 2009: U.S. Geological Survey Scientific Investigations Report 2015-5019-G, 19 p. (<https://doi.org/10.3133/sir20155019>)**

**Monthly Flow Statistics Parameters [W Region Season3 MeanDur 2015 5019G]**

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	2.1	square miles	6.4	2520
SLOP50_30M	Slopes_gt_50pct_from_30m_DEM	15	percent	1.87	67.5

### Monthly Flow Statistics Parameters [W Region Season1 MeanDur 2015 5019G]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	2.1	square miles	6.4	2520
SLOP50_30M	Slopes_gt_50pct_from_30m_DEM	15	percent	1.87	67.5

### Monthly Flow Statistics Parameters [W Region Season2 MeanDur 2015 5019G]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	2.1	square miles	6.4	2520
SLOP50_30M	Slopes_gt_50pct_from_30m_DEM	15	percent	1.87	67.5

### Monthly Flow Statistics Disclaimers [W Region Season3 MeanDur 2015 5019G]

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

### Monthly Flow Statistics Flow Report [W Region Season3 MeanDur 2015 5019G]

Statistic	Value	Unit
November Mean Flow	0.87	ft^3/s
December Mean Flow	0.768	ft^3/s
January Mean Flow	0.646	ft^3/s
February Mean Flow	0.622	ft^3/s

### Monthly Flow Statistics Disclaimers [W Region Season1 MeanDur 2015 5019G]

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

## Monthly Flow Statistics Flow Report [W Region Season1 MeanDur 2015 5019G]

Statistic	Value	Unit
March Mean Flow	0.829	ft <sup>3</sup> /s
April Mean Flow	2.14	ft <sup>3</sup> /s
May Mean Flow	5.46	ft <sup>3</sup> /s
June Mean Flow	5.71	ft <sup>3</sup> /s

## Monthly Flow Statistics Disclaimers [W Region Season2 MeanDur 2015 5019G]

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

## Monthly Flow Statistics Flow Report [W Region Season2 MeanDur 2015 5019G]

Statistic	Value	Unit
July Mean Flow	2.69	ft <sup>3</sup> /s
August Mean Flow	1.33	ft <sup>3</sup> /s
September Mean Flow	0.906	ft <sup>3</sup> /s
October Mean Flow	0.885	ft <sup>3</sup> /s

## Monthly Flow Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
November Mean Flow	0.87	ft <sup>3</sup> /s
December Mean Flow	0.768	ft <sup>3</sup> /s
January Mean Flow	0.646	ft <sup>3</sup> /s
February Mean Flow	0.622	ft <sup>3</sup> /s
March Mean Flow	0.829	ft <sup>3</sup> /s
April Mean Flow	2.14	ft <sup>3</sup> /s
May Mean Flow	5.46	ft <sup>3</sup> /s
June Mean Flow	5.71	ft <sup>3</sup> /s
July Mean Flow	2.69	ft <sup>3</sup> /s
August Mean Flow	1.33	ft <sup>3</sup> /s
September Mean Flow	0.906	ft <sup>3</sup> /s

Statistic	Value	Unit
October Mean Flow	0.885	ft <sup>3</sup> /s

*Monthly Flow Statistics Citations*

**McCarthy, P.M., Sando, Roy, Sando, S.K., and Dutton, D.M., 2016, Methods for estimating streamflow characteristics at ungaged sites in western Montana based on data through water year 2009: U.S. Geological Survey Scientific Investigations Report 2015-5019-G, 19 p. (<https://doi.org/10.3133/sir20155019>)**

### Low-Flow Statistics Parameters [W Region LowFlow GLS 2015 5019G]

Parameter	Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA		Contributing Drainage Area	2.1	square miles	6.4	2520
SLOP50_30M		Slopes_gt_50pct_from_30m_DEM	15	percent	1.87	67.5

### Low-Flow Statistics Disclaimers [W Region LowFlow GLS 2015 5019G]

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

### Low-Flow Statistics Flow Report [W Region LowFlow GLS 2015 5019G]

Statistic	Value	Unit
7 Day 10 Year Low Flow	0.28	ft <sup>3</sup> /s

#### *Low-Flow Statistics Citations*

**McCarthy, P.M., Sando, Roy, Sando, S.K., and Dutton, D.M., 2016, Methods for estimating streamflow characteristics at ungaged sites in western Montana based on data through water year 2009: U.S. Geological Survey Scientific Investigations Report 2015-5019-G, 19 p. (<https://doi.org/10.3133/sir20155019>)**

### Flow-Duration Statistics Parameters [W Region Annual MeanDur 2015 5019G]

Parameter	Code	Parameter Name	Value	Units	Min Limit	Max Limit

Parameter	Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA		Contributing Drainage Area	2.1	square miles	6.4	2520
SLOP50_30M		Slopes_gt_50pct_from_30m_DEM	15	percent	1.87	67.5

## Flow-Duration Statistics Disclaimers [W Region Annual MeanDur 2015 5019G]

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

## Flow-Duration Statistics Flow Report [W Region Annual MeanDur 2015 5019G]

Statistic	Value	Unit
20 Percent Duration	2.86	ft^3/s
80 Percent Duration	0.602	ft^3/s

### Flow-Duration Statistics Citations

**McCarthy, P.M., Sando, Roy, Sando, S.K., and Dutton, D.M., 2016, Methods for estimating streamflow characteristics at ungaged sites in western Montana based on data through water year 2009: U.S. Geological Survey Scientific Investigations Report 2015-5019-G, 19 p. (<https://doi.org/10.3133/sir20155019>)**

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Application Version: 4.8.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.1.2