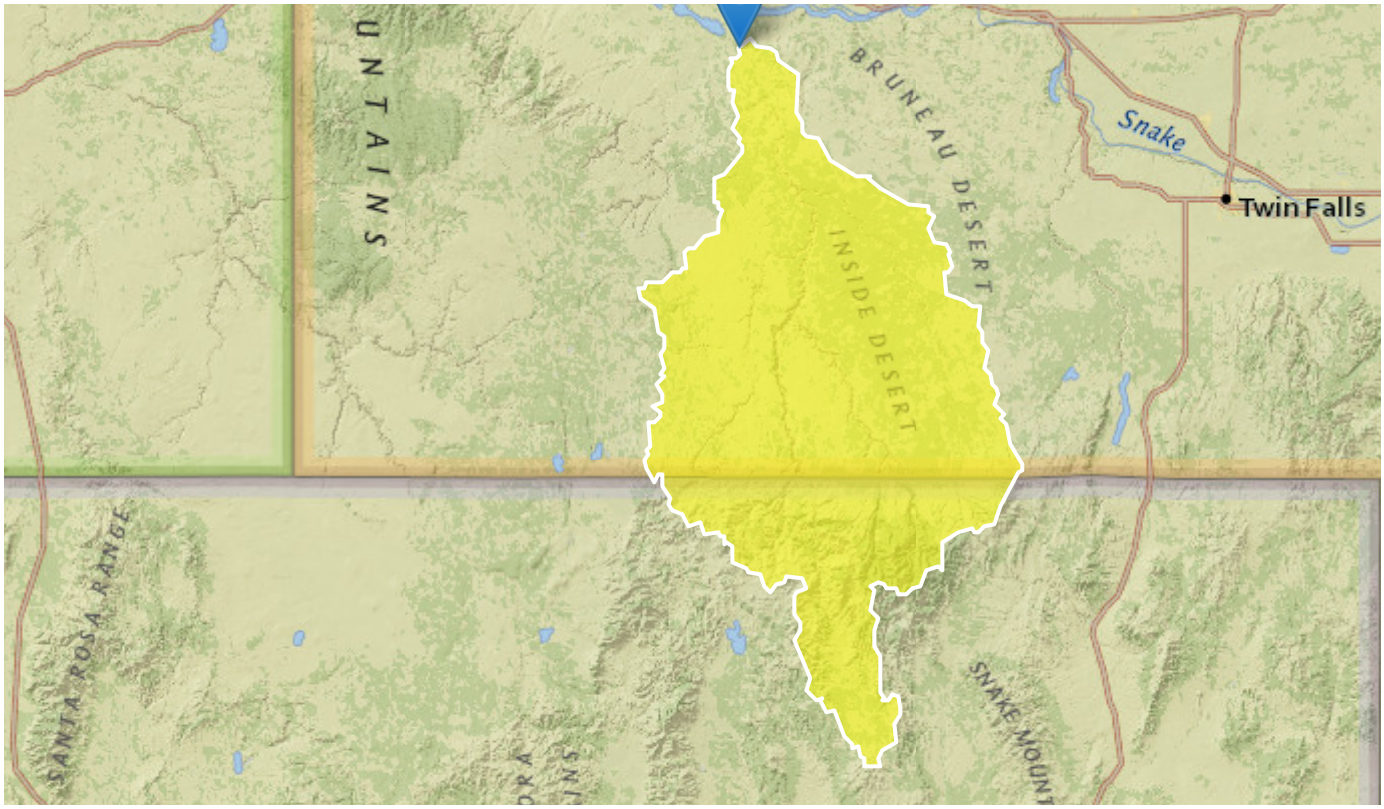
StreamStats Report

Region ID: ID
Workspace ID: ID20210128220543714000
Clicked Point (Latitude, Longitude): 42.86659, -115.79988
Time: 2021-01-28 15:06:13 -0700



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	2750.63	square miles
MINBELEV	Minimum basin elevation	2480	feet
SLOP50	Slopes Greater Than 50 Percent as percent of drainage area	5.04	percent
FOREST	Percentage of area covered by forest	3	percent
SLOP30_30M	Percent area with slopes greater than 30 percent from 30-meter DEM.	11.4	percent

Parameter Code	Parameter Description	Value	Unit
BSLDEM30M	Mean basin slope computed from 30 m DEM	12.7	percent
CSL10_85	Change in elevation divided by length between points 10 and 85 percent of distance along main channel to basin divide - main channel method not known	33.9	feet per mi
ELEV	Mean Basin Elevation	5560	feet
PRECIP	Mean Annual Precipitation	11.6	inches

Peak-Flow Statistics Parameters[100 Percent (2750 square miles) Peak Flow Region 7 2016 5083]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	2750.63	square miles	0.15	1400
MINBELEV	Minimum Basin Elevation	2480	feet	2230	7020

Peak-Flow Statistics Disclaimers[100 Percent (2750 square miles) Peak Flow Region 7 2016 5083]

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

Peak-Flow Statistics Flow Report[100 Percent (2750 square miles) Peak Flow Region 7 2016 5083]

Statistic	Value	Unit
1.25 Year Peak Flood	381	ft^3/s
1.5 Year Peak Flood	684	ft^3/s
50_percent_AEP_flood	1250	ft^3/s
2 33 Year Peak Flood	1610	ft^3/s
20_percent_AEP_flood	3900	ft^3/s
10_percent_AEP_flood	6890	ft^3/s
4_percent_AEP_flood	12700	ft^3/s
2_percent_AEP_flood	18300	ft^3/s
1_percent_AEP_flood	25500	ft^3/s
0_5_percent_AEP_flood	34200	ft^3/s
0_2_percent_AEP_flood	49200	ft^3/s

Peak-Flow Statistics Citations

Wood, M.S., Fosness, R.L., Skinner, K.D., and Veilleux, A.G.,2016, Estimating peak-flow frequency statistics for selected gaged and ungaged sites in naturally flowing streams and rivers in Idaho: U.S. Geological Survey Scientific Investigations Report 2016–5083, 56 p. (http://dx.doi.org/10.3133/sir20165083)

Low-Flow Statistics Parameters[100 Percent (2750 square miles) Low Flow Region 7 2006 5053]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	2750.63	square miles	7.4	535.3
SLOP50	Slopes Greater Than 50 Percent	5.04	percent	0.189	28.5

Low-Flow Statistics Disclaimers[100 Percent (2750 square miles) Low Flow Region 7 2006 5053]

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

Low-Flow Statistics Flow Report[100 Percent (2750 square miles) Low Flow Region 7 2006 5053]

Statistic	Value	Unit
1 Day 10 Year Low Flow	10.5	ft^3/s
7 Day 2 Year Low Flow	29.6	ft^3/s
7 Day 10 Year Low Flow	13.4	ft^3/s
30 Day 5 Year Low Flow	21.3	ft^3/s

Low-Flow Statistics Citations

Hortness, J.E.,2006, Estimating Low-Flow Frequency Statistics for Unregulated Streams in Idaho: U.S. Geological Survey Scientific Investigations Report 2006-5035, 31 p. (http://pubs.usgs.gov/sir/2006/5035/pdf/sir20065035.pdf)

Annual Flow Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	2750.63	square miles	7.4	535.3
FOREST	Percent Forest	3	percent	0	38.9
SLOP30_30M	Slopes gt 30pct from 30m DEM	11.4	percent	0	55.2
BSLDEM30M	Mean Basin Slope from 30m DEM	12.7	percent	1.7	35.3

Annual Flow Statistics Disclaimers[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

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

Annual Flow Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Statistic	Value	Unit
Mean Annual Flow	382	ft^3/s

Annual Flow Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

January Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9
ELEV	Mean Basin Elevation	5560	feet	2984.4	7603
SLOP30_30M	Slopes gt 30pct from 30m DEM	11.4	percent	0	55.2

January Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SE
January 20 Percent Duration	31.3	ft^3/s	68.2

Statistic	Value	Unit	SE
January 50 Percent Duration	19.7	ft^3/s	67.7
January 80 Percent Duration	14.4	ft^3/s	69.3

January Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

February Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9
ELEV	Mean Basin Elevation	5560	feet	2984.4	7603
SLOP30_30M	Slopes gt 30pct from 30m DEM	11.4	percent	0	55.2

February Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SE
February 20 Percent Duration	50.7	ft^3/s	90.5
February 50 Percent Duration	27.7	ft^3/s	74.8
February 80 Percent Duration	18.5	ft^3/s	67.5

February Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

March Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	2750.63	square miles	7.4	535.3
FOREST	Percent Forest	3	percent	0	38.9
ELEV	Mean Basin Elevation	5560	feet	2984.4	7603
SLOP30_30M	Slopes gt 30pct from 30m DEM	11.4	percent	0	55.2

March Flow-Duration Statistics Disclaimers[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

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

March Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Statistic	Value	Unit
March 20 Percent Duration	765	ft^3/s
March 50 Percent Duration	318	ft^3/s
March 80 Percent Duration	155	ft^3/s

March Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

April Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9
SLOP30_30M	Slopes gt 30pct from 30m DEM	11.4	percent	0	55.2
BSLDEM30M	Mean Basin Slope from 30m DEM	12.7	percent	1.7	35.3

April Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

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

Statistic	Value	Unit	SE
April 20 Percent Duration	186	ft^3/s	112
April 50 Percent Duration	84.9	ft^3/s	99
April 80 Percent Duration	39.4	ft^3/s	81.5

April Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

May Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9
PRECIP	Mean Annual Precipitation	11.6	inches	8.2	29.1

May Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

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

Statistic	Value	Unit	SE
May 20 Percent Duration	83.1	ft^3/s	113
May 50 Percent Duration	44.3	ft^3/s	122
May 80 Percent Duration	22.7	ft^3/s	106

May Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

June Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9
PRECIP	Mean Annual Precipitation	11.6	inches	8.2	29.1

June Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SE
June 20 Percent Duration	53.7	ft^3/s	115
June 50 Percent Duration	30.1	ft^3/s	114
June 80 Percent Duration	18.1	ft^3/s	101

June Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

July Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9
PRECIP	Mean Annual Precipitation	11.6	inches	8.2	29.1

July Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SE
July 20 Percent Duration	28.7	ft^3/s	99.2
July 50 Percent Duration	16.5	ft^3/s	108
July 80 Percent Duration	9.83	ft^3/s	125

July Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

August Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9

August Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SE
August 20 Percent Duration	18.1	ft^3/s	113
August 50 Percent Duration	11.7	ft^3/s	131
August 80 Percent Duration	6.78	ft^3/s	142

August Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

September Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9

September Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SE
September 20 Percent Duration	16.8	ft^3/s	118
September 50 Percent Duration	10.5	ft^3/s	129

Statistic	Value	Unit	SE
September 80 Percent Duration	6.39	ft^3/s	136

September Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

October Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9

October Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SE
October 20 Percent Duration	22.2	ft^3/s	77.3
October 50 Percent Duration	13.6	ft^3/s	97.9
October 80 Percent Duration	8.88	ft^3/s	112

October Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

November Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9

November Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

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

Statistic	Value	Unit	SE
November 20 Percent Duration	26.2	ft^3/s	68.6
November 50 Percent Duration	18	ft^3/s	74.5
November 80 Percent Duration	12.5	ft^3/s	84.8

November Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

December Flow-Duration Statistics Parameters[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL10_85	Stream Slope 10 and 85 Method	33.9	feet per mi	18.4	372.8
FOREST	Percent Forest	3	percent	0	38.9

December Flow-Duration Statistics Flow Report[100 Percent (2750 square miles) Monthly Annual Region 7 2001 4093]

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

Statistic	Value	Unit	SE
December 20 Percent Duration	28	ft^3/s	79.4
December 50 Percent Duration	19.2	ft^3/s	69.5
December 80 Percent Duration	14.2	ft^3/s	69.9

December Flow-Duration Statistics Citations

Hortness, J.E., and Berenbrock, Charles,2001, Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Idaho: U.S. Geological Survey Water-Resources Investigations Report 01–4093, 36 p. (https://pubs.er.usgs.gov/publication/wri014093)

Probability Statistics Parameters[100 Percent (2750 square miles) Low Flow Region 7 Prob Zero Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	2750.63	square miles	7.4	535.5
BSLDEM30M	Mean Basin Slope from 30m DEM	12.7	percent	10.1	35.3

Probability Statistics Disclaimers[100 Percent (2750 square miles) Low Flow Region 7 Prob Zero Flow]

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

Probability Statistics Flow Report[100 Percent (2750 square miles) Low Flow Region 7 Prob Zero Flow]

Statistic	Value	Unit
Probability zero flow 30Day	1.53e-16	dim
Probability zero flow 7Day	3.59e-14	dim
Probability zero flow 1Day	9.11e-16	dim

Probability Statistics Citations

Hortness, J.E.,2006, Estimating Low-Flow Frequency Statistics for Unregulated Streams in Idaho: U.S. Geological Survey Scientific Investigations Report 2006-5035, 31 p. (http://pubs.usgs.gov/sir/2006/5035/pdf/sir20065035.pdf)

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Application Version: 4.4.0