

# ATTACHMENT 3

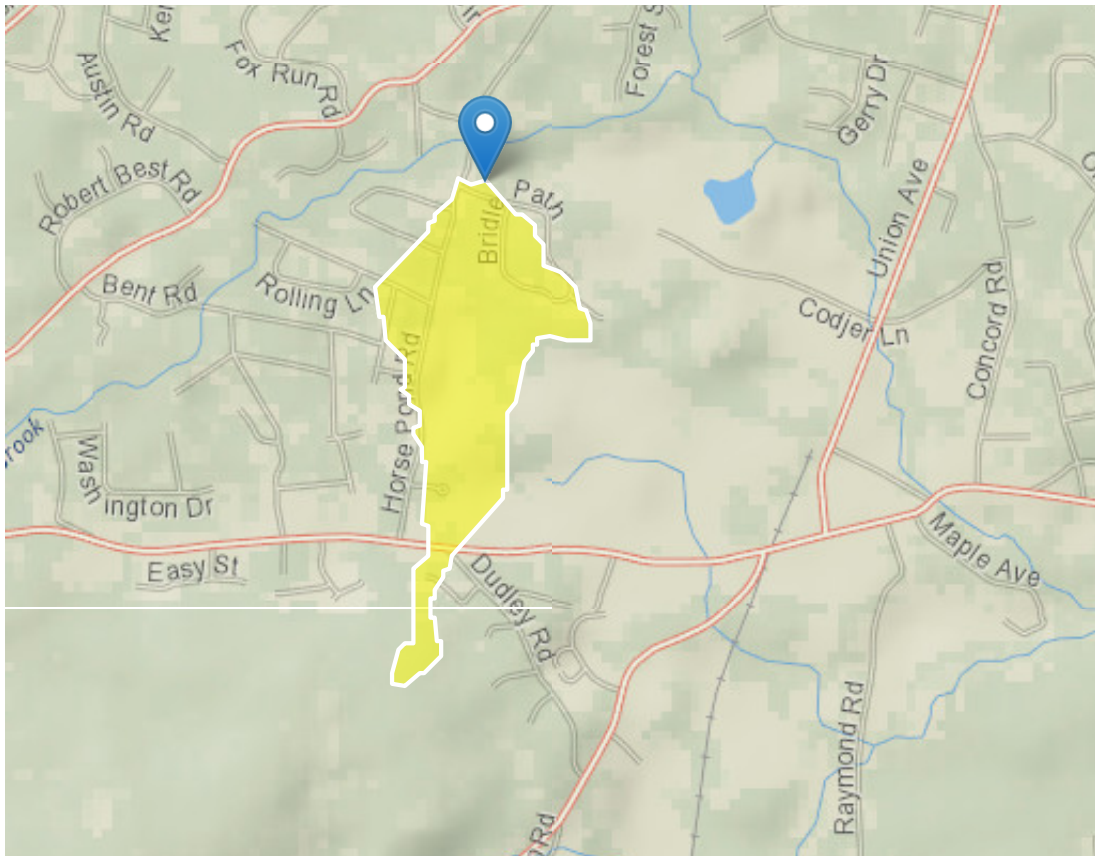
## StreamStats Report for 14 Tall Pine Drive, Sudbury, MA

Region ID: MA

Workspace ID: MA20180602222508385000

Clicked Point (Latitude, Longitude): 42.37129, -71.43581

Time: 2018-06-02 16:25:23 -0600



## Basin Characteristics

<b>Parameter Code</b>	<b>Parameter Description</b>	<b>Value</b>	<b>Unit</b>
DRNAREA	Area that drains to a point on a stream	0.19	square miles
BSLDEM250	Mean basin slope computed from 1:250K DEM	1.445	percent
DRFTPERSTR	Area of stratified drift per unit of stream length	0.43	square mile per mile
MAREGION	Region of Massachusetts 0 for Eastern 1 for Western	0	dimensionless
PCTSNDGRV	Percentage of land surface underlain by sand and gravel deposits	93.58	percent
FOREST	Percentage of area covered by forest	34.1	percent

Low-Flow Statistics Parameters [Statewide Low Flow WRIR00 4135]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.19	square miles	1.61	149
BSLDEM250	Mean Basin Slope from 250K DEM	1.445	percent	0.32	24.6
DRFTPERSTR	Stratified Drift per Stream Length	0.43	square mile per mile	0	1.29
MAREGION	Massachusetts Region	0	dimensionlesstest	0	1

Low-Flow Statistics Disclaimers [Statewide Low Flow WRIR00 4135]

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

Low-Flow Statistics Flow Report [Statewide Low Flow WRIR00 4135]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.017	ft <sup>3</sup> /s
7 Day 10 Year Low Flow	0.00655	ft <sup>3</sup> /s

*Low-Flow Statistics Citations*

**Ries, K.G., III, 2000, Methods for estimating low-flow statistics for Massachusetts streams: U.S. Geological Survey Water Resources Investigations Report 00-4135, 81 p. (<http://pubs.usgs.gov/wri/wri004135/>)**

## Flow-Duration Statistics Parameters [Statewide Low Flow WRIR00 4135]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.19	square miles	1.61	149
DRFTPERSTR	Stratified Drift per Stream Length	0.43	square mile per mile	0	1.29
MAREGION	Massachusetts Region	0	dimensionlesstest	0	1
BSLDEM250	Mean Basin Slope from 250K DEM	1.445	percent	0.32	24.6

## Flow-Duration Statistics Disclaimers [Statewide Low Flow WRIR00 4135]

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

## Flow-Duration Statistics Flow Report [Statewide Low Flow WRIR00 4135]

Statistic	Value	Unit
50 Percent Duration	0.176	ft <sup>3</sup> /s
60 Percent Duration	0.123	ft <sup>3</sup> /s
70 Percent Duration	0.0819	ft <sup>3</sup> /s
75 Percent Duration	0.0644	ft <sup>3</sup> /s
80 Percent Duration	0.0602	ft <sup>3</sup> /s
85 Percent Duration	0.0415	ft <sup>3</sup> /s
90 Percent Duration	0.0339	ft <sup>3</sup> /s
95 Percent Duration	0.0167	ft <sup>3</sup> /s
98 Percent Duration	0.0107	ft <sup>3</sup> /s
99 Percent Duration	0.00718	ft <sup>3</sup> /s

### *Flow-Duration Statistics Citations*

**Ries, K.G., III, 2000, Methods for estimating low-flow statistics for Massachusetts streams: U.S. Geological Survey Water Resources Investigations Report 00-4135, 81 p. (<http://pubs.usgs.gov/wri/wri004135/>)**

Probability Statistics Parameters [Perennial Flow Probability]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.19	square miles	0.01	1.99
PCTSNDGRV	Percent Underlain By Sand And Gravel	93.58	percent	0	100
FOREST	Percent Forest	34.1	percent	0	100
MAREGION	Massachusetts Region	0	dimensionlesstest	0	1

Probability Statistics Flow Report [Perennial Flow Probability]

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

Statistic	Value	Unit	PC
Probability Stream Flowing Perennially	0.804	dim	71

*Probability Statistics Citations*

**Bent, G.C., and Steeves, P.A.,2006, A revised logistic regression equation and an automated procedure for mapping the probability of a stream flowing perennially in Massachusetts: U.S. Geological Survey Scientific Investigations Report 2006–5031, 107 p. ([http://pubs.usgs.gov/sir/2006/5031/pdfs/SIR\\_2006-5031rev.pdf](http://pubs.usgs.gov/sir/2006/5031/pdfs/SIR_2006-5031rev.pdf))**

