

Little River DS StreamStats Report

Region ID:

NH

Workspace ID:

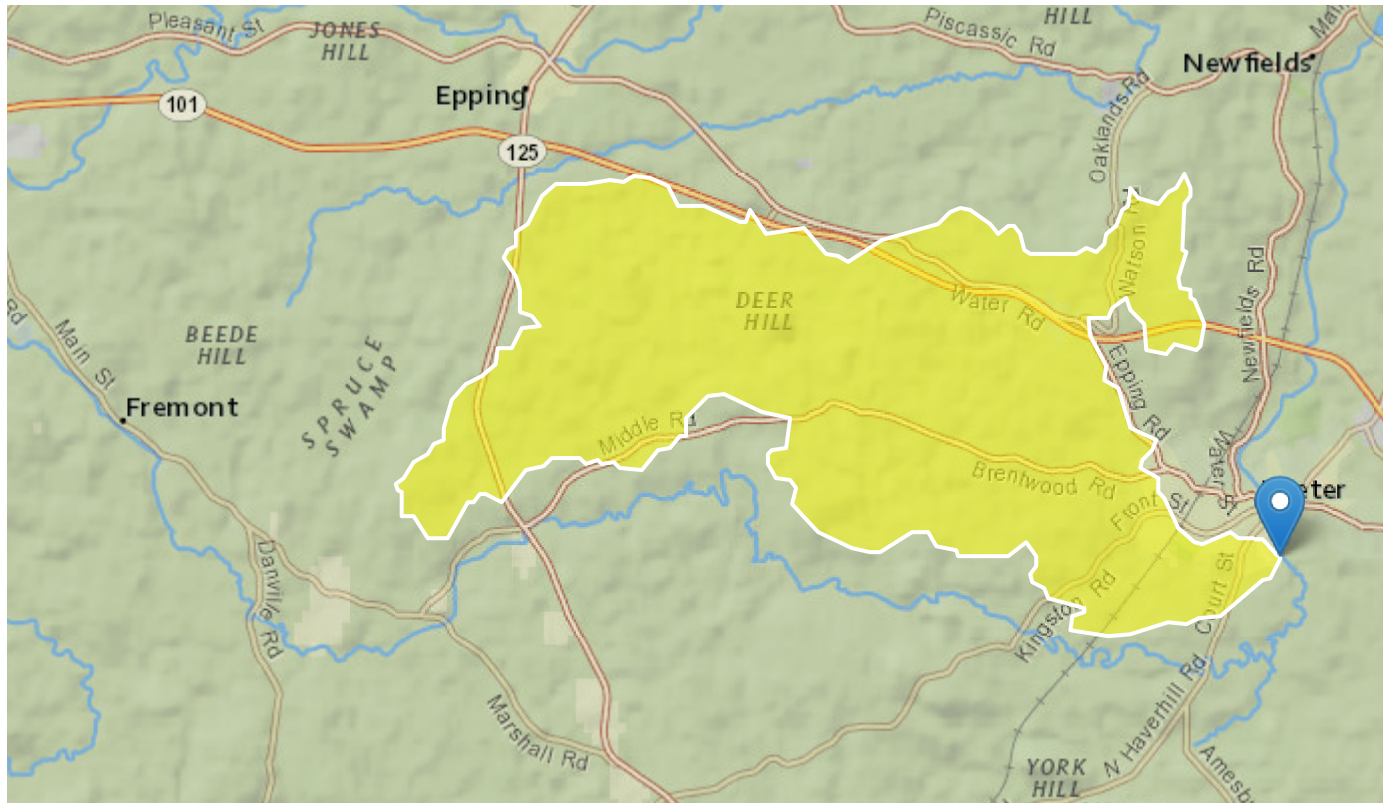
NH20170615160628925000

Clicked Point (Latitude, Longitude):

42.97434, -70.94421

Time:

2017-06-15 16:08:22 -0400



Basin Characteristics

Parameter

Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	15.8	square miles
APRAVPRE	Mean April Precipitation	4.217	inches
WETLAND	Percentage of Wetlands	11.2744	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	10.1	feet per mi

Parameter Code	Parameter Description	Value	Unit
BSLDEM30M	Mean basin slope computed from 30 m DEM	2.976	percent
CENTROIDX	Basin centroid horizontal (x) location in state plane coordinates	1158216.9	
CENTROIDY	Basin centroid vertical (y) location in state plane units	181302.8	
CONIF	Percentage of land surface covered by coniferous forest	19.0191	percent
ELEVMAX	Maximum basin elevation	260.06	feet
LC11DEV	Percentage of developed (urban) land from NLCD 2011 classes 21-24	18	percent
LC11IMP	Average percentage of impervious area determined from NLCD 2011 impervious dataset	5.57	percent
MINTEMP_W	Mean winter minimum air temperature over basin surface area	17.294	degrees F
MIXFOR	Percentage of land area covered by mixed deciduous and coniferous forest	20.3046	percent
OUTLETX	Basin outlet horizontal (x) location in state plane coordinates	1177605	
OUTLETY	Basin outlet vertical (y) location in state plane coordinates	173685	
PREBC0103	Mean annual precipitation of basin centroid for January 1 to March 15 winter period	8.46	inches
PREBC_1112	Mean annual precipitation of basin centroid for November 1 to December 31 period	8.98	inches
PRECIPCENT	Mean Annual Precip at Basin Centroid	44.3	inches
PRECIPOUT	Mean annual precip at the stream outlet (based on annual PRISM precip data in inches from 1971-2000)	45.2	inches
PREG_03_05	Mean precipitation at gaging station location for March 16 to May 31 spring period	9.6	inches
PREG_06_10	Mean precipitation at gaging station location for June to October summer period	17.4	inches
SNOFALL	Mean Annual Snowfall	59.992	inches
TEMP	Mean Annual Temperature	46.987	degrees F
TEMP_06_10	Basinwide average temperature for June to October summer period	62.633	degrees F

Peak-Flow Statistics Parameters [100 Percent (15.8 square miles) Peak Flow Statewide SIR2008 5206]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	15.8	square miles	0.7	1290
APRAVPRE	Mean April Precipitation	4.217	inches	2.79	6.23
WETLAND	Percent Wetlands	11.2744	percent	0	21.8
CSL10_85	Stream Slope 10 and 85 Method	10.1	feet per mi	5.43	543

Peak-Flow Statistics Flow Report [100 Percent (15.8 square miles) Peak Flow Statewide SIR2008 5206]

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

Statistic	Value	Unit	PIl	PIu	SEp	Equiv. Yrs.
2 Year Peak Flood	269	ft ³ /s	165	441	30.1	3.2
5 Year Peak Flood	436	ft ³ /s	263	723	31.1	4.7
10 Year Peak Flood	574	ft ³ /s	340	972	32.3	6.2
25 Year Peak Flood	760	ft ³ /s	434	1330	34.3	8
50 Year Peak Flood	914	ft ³ /s	507	1650	36.4	9
100 Year Peak Flood	1100	ft ³ /s	590	2060	38.6	9.8
500 Year Peak Flood	1560	ft ³ /s	771	3170	44.1	11

Peak-Flow Statistics Citations

Olson, S.A.,2009, Estimation of flood discharges at selected recurrence intervals for streams in New Hampshire: U.S.Geological Survey Scientific Investigations Report 2008-5206, 57 p. (<http://pubs.usgs.gov/sir/2008/5206/>)