

# U. S. Geological Survey Massachusetts - Rhode Island Water Science Center

## PEAK RIVER STAGES, DISCHARGES, AND ESTIMATED RECURRENCE INTERVALS DATA AT SELECTED USGS STREAMFLOW-GAGING STATIONS FOR MAY 14 - 18, 2006 (updated 05/22/2006)

### USGS Gaging Stations Where Peak-Flow Recurrence Intervals Equaled or Exceeded 2 Years

(Data are provisional and are subject to revisions)

Note: A 5-year flood has a one in five chance of occurring in any one year; a 100-year flood has a one in one hundred chance of occurring in any one year

Station Number	Station name	Date of Peak	Time of Peak (hours)	Peak Gage Height (feet)	Peak Discharge (cubic feet per second)	Flood Recurrence Interval (years)	Start Year Of Gaging Station
<b>MERRIMACK RIVER BASIN</b>							
01096000	SQUANNACOOK RIVER NEAR WEST GROTON, MA	5/15/06	4:45	7.07	2,570	7	1949
01097000	ASSABET RIVER AT MAYNARD, MA	5/15/06	17:30	5.38	1,410	3	1941
01099500	CONCORD R BELOW R MEADOW BROOK, AT LOWELL, MA	5/17/06	23:30	8.16	3,270	5	1936
01100000	MERRIMACK RIVER BL CONCORD RIVER AT LOWELL, MA	5/15/06	19:00	58.84	96,400	40	1923
01100600	SHAWSHEEN RIVER NEAR WILMINGTON, MA	5/15/06	2:00	8.96	1,220	10	1963
<b>PARKER RIVER BASIN</b>							
01101000	PARKER RIVER AT BYFIELD, MA	5/15/06	10:30	7.85	812	60	1945
<b>IPSWICH RIVER BASIN</b>							
01101500	IPSWICH RIVER AT SOUTH MIDDLETON, MA	5/15/06	15:00	8.46	1410 <sup>a</sup>	150*	1938
01102000	IPSWICH RIVER NEAR IPSWICH, MA	5/15/06	12:00	10.53	4520 <sup>a</sup>	150*	1930
<b>NORTH COASTAL BASIN</b>							
01102345	SAUGUS RIVER AT SAUGUS IRON WORKS AT SAUGUS, MA	5/15/06	20:00	7.38	1420 <sup>a</sup>	40*	1994
<b>MYSTIC RIVER BASIN</b>							
01102500	ABERJONA RIVER AT WINCHESTER, MA	5/15/06	1:30	16.00	1,270	40	1939
<b>CHARLES RIVER BASIN</b>							
01103500	CHARLES RIVER AT DOVER, MA	5/18/06	0:00	4.78	1,320	2	1937
01104500	CHARLES RIVER AT WALTHAM, MA	5/14/06	22:15	4.44	1,520	2	1931
<b>NEPONSET RIVER BASIN</b>							
01105000	NEPONSET RIVER AT NORWOOD, MA	5/14/06	12:30	8.21	431	2	1939
01105500	EAST BRANCH NEPONSET RIVER AT CANTON, MA	5/14/06	10:45	3.85	464	2	1952
<b>WEYMOUTH BACK RIVER BASIN</b>							
01105600	OLD SWAMP RIVER NEAR SOUTH WEYMOUTH, MA	5/14/06	17:15	5.14	268	4	1966
<sup>a</sup> New peak discharge for period of record for gaging station							
* If this peak discharge (May 2006) is included in the peak flow analysis using Bulletin 17-B guidelines the following changes would occur to the Flood Recurrence Interval (yrs)							
01101500	IPSWICH RIVER AT SOUTH MIDDLETON, MA					100	
01102000	IPSWICH RIVER NEAR IPSWICH, MA					100	
01102345	SAUGUS RIVER AT SAUGUS IRON WORKS AT SAUGUS, MA					20	