

Water-Data Report 2006

01112268 MILL RIVER AT HARRIS PD OUTLET AT WOONSOCKET, RI

MASSACHUSETTS-RHODE ISLAND COASTAL BASIN
BLACKSTONE RIVER SUBBASIN

LOCATION.--Lat 42°00'57", long 71°30'28" referenced to North American Datum of 1927, Providence County, Hydrologic Unit 01090003, on right bank, about 100 ft downstream from Harris Pond, at Woonsocket.

DRAINAGE AREA.--33.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 2004 to November 2005 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 45 ft above National Geodetic Vertical Datum of 1929, from topographic map.

COOPERATION.--Rhode Island Water Resources Board.

REMARKS.--Records fair except those for estimated daily discharge, which are poor. Flow affected by occasional regulation of Harris Pond for Woonsocket municipal water supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,860 ft³/s, Oct. 15, 2005, gage height, 5.69 ft; minimum discharge, 0.50 ft³/s, Aug. 10, 2004.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.6	94	---	---	---	---	---	---	---	---	---	---
2	5.7	88	---	---	---	---	---	---	---	---	---	---
3	7.2	82	---	---	---	---	---	---	---	---	---	---
4	17	74	---	---	---	---	---	---	---	---	---	---
5	18	70	---	---	---	---	---	---	---	---	---	---
6	11	68	---	---	---	---	---	---	---	---	---	---
7	11	68	---	---	---	---	---	---	---	---	---	---
8	18	---	---	---	---	---	---	---	---	---	---	---
9	65	---	---	---	---	---	---	---	---	---	---	---
10	68	---	---	---	---	---	---	---	---	---	---	---
11	46	---	---	---	---	---	---	---	---	---	---	---
12	38	---	---	---	---	---	---	---	---	---	---	---
13	39	---	---	---	---	---	---	---	---	---	---	---
14	53	---	---	---	---	---	---	---	---	---	---	---
15	994	---	---	---	---	---	---	---	---	---	---	---
16	1,000	---	---	---	---	---	---	---	---	---	---	---
17	376	---	---	---	---	---	---	---	---	---	---	---
18	210	---	---	---	---	---	---	---	---	---	---	---
19	144	---	---	---	---	---	---	---	---	---	---	---
20	112	---	---	---	---	---	---	---	---	---	---	---
21	87	---	---	---	---	---	---	---	---	---	---	---
22	85	---	---	---	---	---	---	---	---	---	---	---
23	106	---	---	---	---	---	---	---	---	---	---	---
24	128	---	---	---	---	---	---	---	---	---	---	---
25	183	---	---	---	---	---	---	---	---	---	---	---
26	369	---	---	---	---	---	---	---	---	---	---	---
27	246	---	---	---	---	---	---	---	---	---	---	---
28	179	---	---	---	---	---	---	---	---	---	---	---
29	137	---	---	---	---	---	---	---	---	---	---	---
30	121	---	---	---	---	---	---	---	---	---	---	---
31	107	---	---	---	---	---	---	---	---	---	---	---
Total	4,986.5	---	---	---	---	---	---	---	---	---	---	---
Mean	161	---	---	---	---	---	---	---	---	---	---	---
Max	1,000	---	---	---	---	---	---	---	---	---	---	---
Min	5.6	---	---	---	---	---	---	---	---	---	---	---
Cfsm	4.86	---	---	---	---	---	---	---	---	---	---	---
In.	5.60	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	103	52.0	92.8	111	69.9	84.6	156	70.6	27.5	17.7	8.09	5.80
Max	161	52.0	92.8	111	96.1	107	181	76.8	29.2	22.9	9.89	6.13
(WY)	(2006)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2005)	(2005)	(2004)	(2005)
Min	44.6	52.0	92.8	111	44.7	62.5	131	64.3	25.8	12.4	6.29	5.47
(WY)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)

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SUMMARY STATISTICS

	Water Years 2004 - 2006	
Annual mean	64.5	
Highest annual mean	64.5	2005
Lowest annual mean	64.5	2005
Highest daily mean	1,000	Oct 16, 2005
Lowest daily mean	0.72	Aug 11, 2004
Annual seven-day minimum	2.4	Sep 2, 2004
Maximum peak flow	1,860	Oct 15, 2005
Maximum peak stage	5.69	Oct 15, 2005
Instantaneous low flow	0.50	Aug 10, 2004
Annual runoff (cfsm)	1.95	
Annual runoff (inches)	26.46	
10 percent exceeds	125	
50 percent exceeds	57	
90 percent exceeds	5.8	

