



Water-Data Report 2006

011005605 POLICY BROOK AT I93 REST STOP NORTH ENTRANCE RAMP, NEAR SALEM, NH

Merrimack Basin
Merrimack Subbasin

LOCATION.--Lat 42°45'13", long 71°13'15" referenced to North American Datum of 1927, Rockingham County, NH, Hydrologic Unit 01070002, on left bank, just upstream of I93N rest stop entrance, 0.1 mi west of Azarian Road and Barron Road intersection, 0.4 mi east of Cross Road and Brady Avenue intersection, 0.5 mi west of Kelley Road and South Broadway (NH 28) intersection, 2.0 mi south of Broadway (NH 28) and Main Street (NH 97) intersection in Salem Depot, and 2.6 mi southwest of Main Street (NH 97), Bridge Street, and School Street intersection in Salem.

DRAINAGE AREA.--10.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Discharge records: February 2006 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 105.70 ft above National Geodetic vertical datum of 1929.

COOPERATION.--New Hampshire Department of Environmental Services.

REMARKS.--Records good except those above 15 ft³/s, which are fair, and those for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 80 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 05	1315	105	2.75
May 15	0330	*515	*9.65
May 19	1400	120	5.11
Jun 04	1215	166	3.96
Jun 08	0745	133	3.57
Jun 11	0400	157	4.13

Minimum discharge, 0.35 ft³/s, Aug 13.

011005605 POLICY BR AT I93 REST STOP NORTH ENTRANCE RAMP, NEAR SALEM, NH—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	6.4	3.2	4.9	20	9.3	1.3	1.5
2	---	---	---	---	21	6.0	3.1	15	111	7.4	1.2	1.2
3	---	---	---	---	43	5.9	3.9	41	98	6.1	1.4	8.4
4	---	---	---	---	64	5.6	47	30	152	4.5	4.7	9.5
5	---	---	---	---	93	5.8	48	20	85	4.0	2.8	4.1
6	---	---	---	---	70	8.1	30	13	54	3.4	1.7	2.9
7	---	---	---	---	59	7.5	25	10	69	3.0	1.9	2.3
8	---	---	---	---	44	7.4	19	8.6	125	2.7	1.4	1.9
9	---	---	---	---	35	6.9	12	16	87	2.4	0.98	1.5
10	---	---	---	---	30	7.9	9.0	47	123	2.2	0.84	1.4
11	---	---	---	---	25	10	7.4	44	138	e7.3	0.65	1.1
12	---	---	---	---	e23	9.6	6.3	34	88	e16	0.63	0.96
13	---	---	---	---	e22	11	6.3	143	64	e38	0.55	0.88
14	---	---	---	---	21	33	6.1	425	52	16	0.56	0.99
15	---	---	---	---	22	22	5.8	445	48	9.3	2.3	1.6
16	---	---	---	---	24	15	5.2	289	44	5.8	1.2	1.2
17	---	---	---	---	24	10	5.1	216	21	4.2	0.80	1.0
18	---	---	---	---	e22	8.7	7.4	126	16	3.1	0.72	0.92
19	---	---	---	---	e15	8.1	8.8	102	13	2.3	0.65	0.95
20	---	---	---	---	e11	7.8	6.4	97	11	1.9	13	4.1
21	---	---	---	---	9.8	6.7	4.8	76	8.1	2.2	5.8	1.7
22	---	---	---	---	9.1	5.5	4.0	65	5.8	7.8	2.6	1.2
23	---	---	---	---	10	5.7	7.2	31	11	11	1.4	2.1
24	---	---	---	---	11	5.6	31	20	46	6.7	1.1	1.9
25	---	---	---	---	8.7	5.3	20	16	28	3.7	2.3	1.5
26	---	---	---	---	8.0	5.6	13	13	31	2.5	1.7	3.0
27	---	---	---	---	7.4	5.6	9.6	13	21	2.1	1.8	4.3
28	---	---	---	---	6.8	5.1	7.6	11	16	1.8	16	2.1
29	---	---	---	---	---	4.4	6.1	8.7	17	2.0	5.4	3.8
30	---	---	---	---	---	4.1	5.3	7.9	14	1.5	3.5	1.5
31	---	---	---	---	---	3.6	---	9.6	---	1.4	2.2	---
Total	---	---	---	---	---	259.9	373.6	2,397.7	1,616.9	191.6	83.08	71.50
Mean	---	---	---	---	---	8.38	12.5	77.3	53.9	6.18	2.68	2.38
Max	---	---	---	---	---	33	48	445	152	38	16	9.5
Min	---	---	---	---	---	3.6	3.1	4.9	5.8	1.4	0.55	0.88
Cfsm	---	---	---	---	---	0.82	1.22	7.58	5.28	0.61	0.26	0.23
In.	---	---	---	---	---	0.95	1.36	8.74	5.90	0.70	0.30	0.26

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

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	8.38	12.5	77.3	53.9	6.18	2.68	2.38
Max	---	---	---	---	---	8.38	12.5	77.3	53.9	6.18	2.68	2.38
(WY)	(---	(---	(---	(---	(---	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)
Min	---	---	---	---	---	8.38	12.5	77.3	53.9	6.18	2.68	2.38
(WY)	(---	(---	(---	(---	(---	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)

011005605 POLICY BR AT I93 REST STOP NORTH ENTRANCE RAMP, NEAR SALEM, NH—Continued

